City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Meeting Agenda

Tuesday, September 2, 2014

6:00 PM

Council Chambers

City Council - Public Hearing

1. 2014-1349 Hold Public Hearing on the proposed budget and proposed tax levies for Fiscal Year 2015 for the City of Hattiesburg at 6:00 p.m. September 2, 2014 in the Council Room of City Hall

Attachments: FY15 Pub.Hearing Presentation

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1349

File ID:	2014-1349	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/28/2014
Brief Title:	Hold Public Hearing on Proposed Budget and Tax Levy for FY 2014			**Final Action:**	
				Minute Book Number:	

Title: Hold Public Hearing on the proposed budget and proposed tax levies for Fiscal Year 2015 for the City of Hattiesburg at 6:00 p.m. September 2, 2014 in the Council Room of City Hall

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	FY15 Pub.Hearing Presentation	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:		**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					
1	City Council - Public Hearing	09/02/2014					

Text of Legislative File 2014-1349

Title

Hold Public Hearing on the proposed budget and proposed tax levies for Fiscal Year 2015 for the City of Hattiesburg at 6:00 p.m. September 2, 2014 in the Council Room of City Hall

Summary

Budget Information

Expenditure Type

Purchasing Item

Publication Information

CITY OF HATTIESBURG

FY 2015 PROPOSED BUDGET
PUBLIC HEARING
SEPTEMBER 2, 2014

BUDGET COMPARISON

FY 2014 (current)	
General	49,003,043
Spec.Rev.	16,494,249
Cap.Proj.	241,000
Debt Svc.	4,475,728
Water/Swr	36,191,794
Total	107,594,842
Transfers	-18,340,442
Total	89,254,400

FY 2015 ESTIMATED	
General	50,688,861
Spec.Rev.	14,734,295
Cap.Proj.	147,711
Debt Svc.	4,484,170
Water/Swr	54,011,171
Total	124,066,208
Transfers	-19,390,492
Total	104,675,716

Special Revenue Funds Include:

Parks & Recreation	3,248,533
Municipal Fire Protection	422,587
Special Street Improvements	65,000
Police Forfeitures	335,000
Airport Improvement	153,927
Municipal Road & Bridge	6,456,867
Mass Transit	1,296,348
Community Centers	1,091,906
CDBG	1,664,127

Capital Projects Funds Include:

Kamper Park Improvements	2,238
AMR Water Meter Project	0
2001 Bond Construction	145,457
MDB Capital Projects	0

Debt Service Funds Include:

Municipal Bonds & Interest	3,216,999
Walmart TIF Bonds	65,150
Southern Pointe TIF Bonds	308,028
Chauvet Square TIF Bonds	194,805
Home Depot TIF Bonds	87,752
Lincoln Center TIF Bonds	57,400
Kohl's TIF Bonds	91,375
Turtle Creek Crossing TIF Bonds	462,661

Water/Sewer Enterprise Funds:

Revenue Fund	16,657,650
Operation & Maintenance	8,985,674
Bonds & Interest	4,549,410
Construction	3,216,911
2010 Bond Construction	1,526
2012 Bond Construction	0
2013 Bond Construction	20,600,000

General Fund Budget Breakdown by Function:

	FY 2014	FY 2015
Administrative	7,532,102	8,450,957
Police & Academy	12,302,389	11,681,925
Fire	7,484,795	7,523,985
Code Enforcement	667,944	708,024
Public Services	11,975,042	14,050,102
Debt Service	1,368,815	1,208,750
Other	4,206,456	3,875,118
Transfers to Other Funds	3,465,500	3,190,000

General Fund Budget Breakdown by Spending Category:

Personnel	28,593,268
Supplies	3,102,875
Other Services & Charges	11,481,508
Capital Outlay	3,112,460
Debt Service	1,208,750
Transfers	3,190,000

Dept. of Administration:

- Backup computer equipment and new servers
- New A/C units for City Hall
- Kronos software and InterAct software
- Launch Medical Clinic for Employees and Dependents

Public Safety Departments:

POLICE:

- 5 patrol cars; 5 detective cars; continue upgrades to digital radio system – this applies city-wide to all departments
- Purchase 30 Tasers

FIRE:

- Replace remaining radios for upgraded system
- Firefighting Equipment

Planning/Urban Development

- Updating land code
- Continuing work on Midtown project
- Work on Stormwater program (this is a city wide effort involving many departments)

Parks & Recreation

- Replacement of mowing equipment
- Dahmer Park pool house renovation
- French drains at Tatum Park soccer fields
- Upgrade Cameron Field & Kamper tennis parking lots
- Milton Barnes Walking Park
- Cameron Field sprinklers
- Purchase defibrillator for maintenance office
- Renovate Jaycee Park fields
- Pavilion at East Side Park
- Field Lights at 9th Street Park
- Replace one truck

Public Works

- Traffic & Construction – replace two pickup trucks.
- Streets – replace one pickup, purchase one asphalt patching truck and one leaf hauling truck
- Sanitation – new sanitation trucks, old trucks to be auctioned
- Health – one new mini excavator
- Airport – one new pickup truck
- Cemetery – replace mowers, trimmers and Gator utility vehicle

Engineering

- Begin 4th Street Phase II and Longleaf Trace Hwy 49 to Main St. projects
- Safe Routes to School sidewalk projects
- Tuscan Avenue Sidewalk Project
- Broadway/Mobile transportation enhancements
- 34th Avenue transportation enhancements
- Gordon Creek Downtown Project
- Continue COMSWIP Phase II
- Airport grants for drainage improvements, runway paving and approach lighting
- Close USA Yeast pretreatment facility project
- Storm water infiltration study
- Sewer/Wastewater treatment plan development
- New bridges at Unetta Street and Broad Street

Federal Programs

MPO:

- Long range transportation plan update
- Bike/pedestrian plan
- GIS Phase II
- Marketing bus routes

Mass Transit:

- New buses

CDBG:

Housing repairs, rehabs, and down payment assistance

Water & Sewer

- Pickup for meter readers/service crew
- Replenish supply of hydrants and meters
- Replace 2 aging service trucks, one pickup
- New building for equipment storage
- Upgrade SCADA monitoring software & equipment

Community Centers

- Roof repairs and foundation stabilization at Jackie Dole Sherrill community center
- Restroom renovations at Sigler Center
- New chairs for Jackie Dole Sherrill

Budget Concerns to be Addressed:

- Maintaining a $4M cash reserve in the General Fund
- Maintaining a capital equipment replacement plan
- Adjustment of pay scales
- Sewer/Wastewater treatment
- Renovation of Police Department facility
- Evaluate health insurance rate and benefit structure
- Paving – city-wide

How do we address these concerns?

- General obligation bond issue for building and other infrastructure improvements
- 2.5 mill increase in millage rate to pay for paving
- Other potential financing avenues to be explored

Comparison of General Fund

	FY 2014(as adopted in September 2013)	FY 2015 (proposed)
Revenues	51,316,067	52,758,048
Expenses	49,003,043	50,688,861
Ending Cash	2,313,024	2,069,187

Current Tax Levy:

General Fund	32.10 mills	
Parks & Recreation	2.00 mills	
Library	1.95 mills	
Municipal Bonds & Int.	7.00 mills	
Police/Fire Retirement	3.87 mills	
Mass Transit	.50 mills	
Total City Mills		47.42 mills
School District Maintenance	56.54 mills	
School Bonds & Int.	8.03 mills	
School Shortfall Note	.32 mills	
Total School Mills		64.89 mills
Total Levy		112.31 mills

Estimated Tax Levy:

General Fund	32.10 mills	
Parks & Recreation	2.00 mills	
Library	1.95 mills	
Municipal Bonds & Int.	7.00 mills	
Police/Fire Retirement	3.87 mills	
Mass Transit	.50 mills	
Total City Mills		49.27 mills
School District Maintenance	56.54 mills	
School Bonds & Interest	8.03 mills	
School Shortfall Note	.32 mills	
Total School Mills		64.89 mills
Total Levy		114.16 mills

City of Hattiesburg, MS

200 Forrest St.
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Meeting Agenda

Tuesday, September 2, 2014

4:00 PM

Council Chambers

City Council

I. Call to Order

II. Call to Prayer and Pledge of Allegiance

III. Agenda Order

IV. Approval of Minutes

for the August 4, 5, 18, 19, 22 and 25, 2014, meetings of the City Council.

V. PRESENTATION AGENDA

VI. POLICY AGENDA

VI.-1 2014-1303

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

Attachments: July PC Minutes (DRAFT)
Staff Summary - 314 Bay St (Rezoning)
Image Sheet - 314 Bay St (Rezoning)
Ordinance - 314 Bay (Arrington)
Warranty Deed

VI.-2 2014-1312

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Faye C. Whiddon, Owner. The Planning Commission voted to APPROVE the petition on July 2, 2014.

Attachments: July PC Minutes (DRAFT)
Image Sheet - 400 Bay St (Rezoning)
Staff Summary - 400 Bay St (Rezoning)
Ordinance - 400 Bay (Whiddon)

VI.-3 2014-1346

Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; increasing applicable fees; and repealing Ordinance number 3055.

Attachments: Mayor memo on code revisions
Ordinance for 2012 Codes
executed Ordinance for 2012 Codes ORD#3143

VI.-4 2014-1338

Adopt a Resolution approving the adoption and implementation of the Hazard Mitigation Plan including the jurisdictions of Forrest County, The City of Hattiesburg, and the City of Petal. Prepared for The Federal Emergency Management Agency (FEMA) & The Mississippi Emergency Management Agency (MEMA) by The Forrest County Planning Department in Association with the Multi-Hazard Mitigation Regional Planning Committee, The University of Southern Mississippi, and The Emergency Management District.

Attachments: Hattiesburg Haz Mit Committment 2012
Hazard Mitigation Plan 2013
Haz Mit Correspondence
RESOLUTION_2014_
executed RESOLUTION_2014_

VI.-5 2014-1341

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to BP Rexam Closures, LLC, for a period not to exceed ten (10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $9,337,025.00. or the amount approved by the Mississippi Department of Revenue.

Attachments: Letter from ADP-BP REXAM-9-2-2014
Application-BP Rexam-9-2-2014
Resolution BP Rexam-9-2-2014
executed Resolution BP Rexam-9-2-2014

VI.-6 2014-1352

Adopt a Resolution approving the request for a tax exemption filed by Hub City Lofts, LLC, for an ad valorem tax exemption, except school district ad valorem taxes, for the Carter Building Project and The American Building Project in the downtown central business district for a period of seven(7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amount as follows: $570,010.00 (Carter Building),116 East Front Street, Parcel 2-029J-10-334.00; $1,572,060.00(Carter Building), 501-509 Main Street, Parcel 2-029J-10-335.00; and $1,472,010.00 (American Building), 207 East Front Street & Short Street, Parcel 2-029J-10-348.00.

Attachments: Memo-Kermas-Hub City Lofts,

Application &Supporting Docs. Hub City Lofts,LLC

Hub City Lofts Resolution

Spread Sheet. Hub City Lofts

executed Hub City Lofts Resolution

VI.-7 2014-1343

Adopt a resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Stokes Distributing Co., Inc, for a period not to exceed ten(10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $800,750.00 or the amount approved by the Mississippi Department of Revenue.

Attachments: ADP Letter Stokes-9-2-2014

Stokes Application-9-2-2014

Stokes Resolution-9-2-2014

executed Stokes Resolution-9-2-2014

VI.-8 2014-1324

Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $8,375.01.

Attachments: Request for Cash No 21

executed Request for Cash No 21

VI.-9 2014-1325

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $2,791.69.

Attachments: Request for Cash No 22

executed Request for Cash No 22

VI.-10 2014-1333

Authorize designation of Sharon Waits as Applicant Agent to execute for and in behalf of the City of Hattiesburg, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974, as amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, in regards to the tornado that hit Hattiesburg on February 10, 2013, and to file applications with Governor's authorized representative.

Attachments: MEMA PA-1.filled

executed MEMA PA-1.filled

VI.-11 2014-1350

Approve Task Order #7 with Neel-Schaffer, Inc. for preliminary engineering services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant; Authorize Mayor to execute in duplicate.

Attachments: NSI Task Order No 7

executed NSI Task Order No 7

VI.-12 2014-1327

Approve and Authorize execution of two copies of a Joint-Funding Agreement for the period of October 1, 2014 - September 30, 2015 to continue the cooperative program between the U.S. Geological Survey (USGS) and the City of Hattiesburg for the operation and maintenance of the Bouie River Flood Monitoring Site at Glendale Avenue, and for hydrologic modeling and development of inundation maps for the Leaf River, with total cost to the city of $5,865.00.

Attachments: USGS Joint Funding Agreement

executed USGS Joint Funding Agreement

VI.-13 2014-1344

Approve change order entitled Supplemental Agreement No.1 with C. B. Developers, Inc. to adjust line item quantities to actual as required by site conditions for the Comprehensive Water Improvements Phase I project, for a net increase to the contract in the amount of $39,876.21; Authorize Mayor to execute in quadruplicate.

Attachments: Cover Letter
Supplemental Agreement No 1 - unsigned
executed Supplemental Agreement No 1 - unsigned

VI.-14 2014-1348

Approve the purchase of the Forms module of the Laserfiche software and 15 additional users from MCCi at $28,777.50 as a sole source purchase as provided for in Section 31-7-13 (viii), of the Mississippi Code of 1972.

Attachments: HattiesburgMSAvanteaddonab2 (2)

VI.-15 2014-1342

Acknowledge receipt of and accept US Department of Transportation Federal Aviation Administration (FAA) Grant Offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $133,217.00; Authorize Mayor to execute offer acceptance in duplicate.

Attachments: Rehabilitate runway 13 31 grant application - FAA
executed Rehabilitate runway 13 31 grant application - FAA
Fully Executed FAA Matching Grant - Runway 13-31 Rehab (Preliminary Desigr

VI.-16 2014-1328

Acknowledge receipt of and accept Mississippi Department of Transportation (MDOT) Grant offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $7,401.00; Authorize Mayor to execute Offer Acceptance in duplicate.

Attachments: Grant Offer MDOT 2014
executed Grant Offer MDOT 2014

VII. ROUTINE AGENDA

VII.-1 2014-1337 Acknowledge receipt of requests filed by Ross & Candice Santell, to appeal the Hattiesburg Historic Conservation Commission's denial to remove a tree from the front yard of a certain property located at 307 S. 23rd Ave. (Hattiesburg Historic Conservation Commission DENIED the application on August 13, 2014); set a public hearing before Council on October 6, 2014 at 4:00 p.m.; and authorize publication of Public Notice setting an Appeal Public Hearing.

Attachments: EXERPT OF MINUTES 8-13-14
Hattiesburg APPEAL FORM 307 S 23rd ave
307 s 23rd ave

VII.-2 2014-1330

Set a Public Hearing at 5:30 p.m. on Monday, September 23, 2014 in the City Council Chamber of City Hall at 200 Forrest Street and a subsequent Public Comment Period ending on October 6, 2014 for the purpose of receiving public input for the creation of the 2015 CDBG/HOME Annual Action Plan, and authorize and approve publication of the same.{Entitlement}

Attachments: NOTICE OF PUBLIC HEARING 2015 Action Plan

VII.-3 2014-1345

Approve and Authorize publication of notice for Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg Service Area.

Attachments: Hub City Transit Marketing Services_RFQ1
executed Hub City Transit Marketing Services_RFQ1

VII.-4 2014-1340

Acknowledge receipt of the unadvertised bid purchase docket for the period of July 29, 2014 through August 25, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Attachments: 09-02-UAB Docket

VII.-5 2014-1347

Approve Plans and Specifications for the Longleaf Trace Phase III - US Hwy 49 to North Main Street project; Authorize advertisement for bids for same.

Attachments: Cover Letter - Advertising
12932001C_US49 to Main Final Plans_2013-10-07
HPP-0210-00(015)LPA105214-801000_Specs with signature
Adv for Bids 9-2-14
executed Adv for Bids 9-2-14

VII.-6 2014-1336

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum.{Entitlement}

Attachments: MEMORANDUM-Manual Checks-HOME
HOME Supporting Docs

VII.-7 2014-1335

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum.{Entitlement}

Attachments: MEMORANDUM-Manual Checks-CDBG
CDBG Supporting Docs

VII.-8 2014-1339

Approve claims docket for the period ending August 31, 2014.

Attachments: Copy of DOCKET 14 08-31

City of Hattiesburg, MS

200 Forrest St.
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Hattiesburg, MS 39401

Master

File Number: 2014-1303

File ID: 2014-1303 **Type:** Regular Agenda Item **Status:** In Committee

Version: 4 **Reference:** **In Control:** Planning Commission

File Created: 08/11/2014

Brief Title: 314 Bay Street - Zoning Change **Final Action:** 09/16/2014

Minute Book Number: MB2014-226-227, rem

Title:

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

Notes:

Sponsors: **Enactment Date:**

Attachments: July PC Minutes (DRAFT), Staff Summary - 314 Bay St (Rezoning), Image Sheet - 314 Bay St (Rezoning), Ordinance - 314 Bay (Arrington), Warranty Deed **Enactment Number:**

Contact: **Meeting Date:**

Drafter: Tamika Paige **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1		08/19/2014	Table				

Action Text: A MOTION was made by Council Member Delgado and seconded by Council Member Carroll to TABLE until next meeting to APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor

Nays: 0

1 City Council 08/19/2014 Table Pass

Action Text: A MOTION was made by Council member Dryden to DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014. The MOTION died for lack of a second.

A MOTION was made by Council Member Delgado and seconded by Council Member Dryden to TABLE until the next meeting to APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014. Council member Carroll requested that Council member Delgado withdraw her MOTION to allow for discussion; Council member Delgado withdrew the MOTION.

Council member Dryden read aloud a prepared statement (attached).

Council member Carroll commented that he agrees with the MOTION to Table. He asked Mr. Arrington to provide a plan that shows in detail how fast the property will be cleaned, what it will look like, and how he will get rid of the gas pumps and the canopy, so as to come up for a use permit upon review. He said he will not support a blanket zoning change because [the Council] lose the controls it needs. He said Ms. Brantley will work with Mr. Arrington and try to help him.

Council member Delgado stated that she is a neighbor of the business and lives in the same [historic] neighborhood association. She said she would like to meet with Mr. Arrington and supports his right to operate a business there; she said it can be done in a way that will benefit his family and the community. Council member Delgado said she welcomes that kind of business to the neighborhood and as a business owner it is Mr. Arrington's right to be able to do that. She said she thinks he needs some help and guidance and is willing to have a conversation with Mr. Arrington and to put him in touch with people who can help him with this project.

A MOTION was made by Council Member Delgado and seconded by Council Member Carroll to TABLE until the next meeting to APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

There being no discussion, the Motion to Table received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Carroll and Dryden

Nays: 0

Absent: 1 - Naylor

Yea: 4 Council Member Bradley
Council Member Delgado
Council Member Carroll
Council Member Dryden

TEL-No Vote: 0

2 City Council 09/02/2014

Action Text: No action was taken on Policy Agenda Item VI.-1 at the request of Ms. Brantley, who said more time is needed. The item remains on the Table.

3 City Council 09/16/2014 Remand Planning Commission Pass

Action Text: A MOTION was made by Council member Delgado and seconded by Council member Naylor to Table to TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

Council President Bradley referred to Ms. Brantley's request (during Agenda Review) for additional time to respond to letters she has received from concerned citizens and neighborhood associations, and asked Ms. Brantley if this item should be returned to the planning department until the item is ready; Ms. Brantley replied that [the Council] has that option. Ms. Brantley said she can respond to the letters in two weeks; she referred to a petition requesting that the matter be remanded to the Planning Commission and said that the rezoning request will go forward but the Planning Commission can entertain to provide stipulations based on language for conditional use permits to be included in the city's [draft] new [Land Code] Ordinance.

Council member Delgado stated that Policy Agenda Items V.-1 and V.-2 bear the same kind of issue; she said her concern is not those conditions, but that an error was made and that if the error is corrected, [both properties] will be fine. She said if the conditions apply to zoning ordinances, that is fine but that anything beyond that is not; she said [the city] needs to clear up the error and apply the rules based on a correction of that error.

Mayor DuPree reminded Council President Bradley of discussion during Agenda Review to have attorney Jim Gladden consider the matter while it is remanded to the Planning Commission. Council President Bradley agreed and said [the Council] cannot make an informed decision.

Ms. Brantley stated that a zoning request does not require site plan review; she said there is a lot of misinformation and [information] taken out of context. Council member Delgado said it will be fine for Mr. Gladden to consider the matter, if he has not already been consulted.

Council member Dryden said it bothers her to hear the statement that a mistake was made 35 years ago and that directed this process; she said a lot happens in 35 years. She said this needs to be looked at and there needs to be a lot more discussion.

Council President Bradley stated that if told that is the story line, he would be inclined not to approve the zoning change, simply because 35 years is a long time and a lot has happened.

Council member Delgado said [the city] still adheres to plenty of ordinances that are older than 35 years. She said some things change, but the zoning map is still effective and that the intent, to her, is clear from the notes.

Council member Naylor asked if tabling would still allow the time necessary [for Mr. Gladden to study the issue]; Council member Dryden said she would like to remove it from the table and remand it to the Planning Commission. Council member Delgado said she would like to table the matter.

Following discussion, the Motion to Table failed, receiving the affirmative vote of the Council as follows:

Yeas: 2 - Delgado and Naylor

Nays: 3 - Bradley, Carroll and Dryden

A MOTION was made by Council member Dryden and seconded by Council member Carroll to TAKE FROM THE TABLE and Remand to the Planning Commission and also send to Attorney Gladden for

study, to APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 3 - Bradley, Carroll and Dryden

Nays: 2 - Delgado and Naylor

Yea:	3	Council Member Bradley
		Council Member Carroll
		Council Member Dryden
Nay:	2	Council Member Delgado
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1303

Title

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 314 Bay Street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Marvin Arrington Sr., Owner. The Planning Commission recommended to APPROVE on July 2, 2014.

Summary

314 Bay Street - Zoning Change

MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION
July 2, 2014

The Hattiesburg Planning Commission did meet in a regular session on July 2, 2014 at 1:00 p.m. at the Jackie Dole Community Center, 220 West Front Street, Hattiesburg, Mississippi. Joseph White, Chairman, presided over the meeting. A quorum was indicated and the attendance was as follows:

Commissioners Present: Joseph White, Chairman
Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners Absent: Annie Pope
Dick Conville
Jessie Wilson

Also Present: Pattie Brantley, AICP, Director of Urban Development
Ginger Maddox, Planner
Michael Maret, Planner
Steve Mitchell, Building Official

Chairman, Joseph White, declared the meeting of the Hattiesburg Planning Commission open and in session at 1:00 P.M.

INVOCATION

Chairman White, gave the invocation.

AGENDA REVIEW

There came the matter of the July 2014 Agenda. Ms. Brantley requested a change in the order of petitions within the public hearing. A request was made by Chairman White for a motion to Approve the amended July 2014 Agenda. A motion was made by Commissioner McMurtrey to Approve the July 2014 Agenda and Seconded by Commissioner McCleskey.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners voting nay: None

Commissioners abstaining: None

MINUTES REVIEW

There came the matter of the June 18, 2014 minutes. A request was made by Chairman White for a motion to Approve the June, 18 2014 Minutes. A motion was made by Commissioner Corts to approve the minutes and seconded by Commissioner Horton.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners voting nay: None

Commissioners abstaining: None

REPORTS

ENGINEERING REPORT

There came the matter of the Engineering Report. No report was submitted. The Commission was informed that Craig Dearman had retired from his position as an Engineer Technician for the City of Hattiesburg

BUILDING INSPECTION REPORT

There came the matter of the Building Inspection Report. No report was submitted.

PLANNING REPORT

There came the matter of the Planning Report. Urban Development Director, Pattie Brantley, informed the Commission that the City Council had not yet made rulings on last month's actions.

CHAIRMAN'S REPORT

There came the matter of the Chairman's Report. There was none.

PUBLIC HEARING

Chairman White declared the Public Hearing open at 1:10 P.M. and explained the rules and procedures of the hearing.

There came the matter of Item A (Rezoning), Marvin Arrington Sr., Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of a certain property located at 314 Bay street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District.

	Name	Address	City/State
Presented by:	Marvin Arrington Sr.	504 Old Richton Rd	Petal, MS
Proponents:	None		
Opponents:	Lloyd Munn	401 Bay St	Hattiesburg, MS
	Jeanette Munn	401 Bay St	Hattiesburg, MS

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McCleskey made a motion to approve the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. He stated the basis for his motion is that there is a mistake in the original zoning. Based

on 1989 zoning map archives a staff error occurred while color coding the map. The motion was seconded by Commissioner Martin.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey

Commissioners voting nay: Judy Corts

Commissioners abstaining: None

There came the matter of Item B (Rezoning), Faye C. Whiddon, Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District.

	Name	Address	City/State
Presented by:	Faye Whiddon	400 Bay Street	Hattiesburg, MS
Proponents:	None		
Opponents:	Lloyd Munn	401 Bay St	Hattiesburg, MS

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McMurtrey made a motion to approve the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. She stated the basis for her motion is that there is a mistake in the original zoning. Based on 1989 zoning map archives a staff error occurred while color coding the map. The motion was seconded by Commissioner Martin.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey

Commissioners voting nay: Judy Corts

Commissioners abstaining: None

There came the matter of Item C (Rezoning), Craig Tynes, Petitioner, on behalf of Pearl River Community College, Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of certain properties located at 5448 US Highway 49 South (Parcels 2-038O-22-005.00, 2-038O-007.00, 2-041B-27-004.00, 2-041B-27-005.00, and 2-041B-27-007.00, PPINs 33388, 33352, 33381, 27662, and 39109, respectively, Ward 5) from A-1 (General Agriculture) District, R-1A (Single-Family Residential) District, and R-3 (Multi-Family Residential) District to B-3 (Community Business) District.

	Name	Address	City/State
Presented by:	Craig Tynes	101 Highway 11 N	Hattiesburg, MS

Proponents: Bennie Sellers, P.E 301 2nd Ave Hattiesburg, MS
(SD&W Engineering)

Opponents: None

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McCleskey made a motion to approve the rezoning of the properties from A-1 (General Agriculture) District, R-1A (Single-Family Residential) District, and R-3 (Multi-Family Residential) District to B-3 (Community Business) District. He stated the basis for his motion is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the Comprehensive Plan. The motion was seconded by Commissioner Horton.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey
Judy Corts

Commissioners voting nay: None

Commissioners abstaining: None

There came the matter of Item D (Alley Closure), Jan Hammond, Petitioner on behalf of York Developments, LLC, and Bennett York, Owners, with the Mayor and Council of the City of Hattiesburg, Mississippi, to change and amend the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to close and vacate the remaining portion of an unnamed alley, running north/south between S. 25th Avenue and S. 26th Avenue as allowed in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi.

Due to the fact that the petitioner was still waiting on further information, after discussion, a motion was made by Commissioner Horton to TABLE Item D until the August Meeting. The motion was seconded by Commissioner McMurtrey.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey
Judy Corts

Commissioners voting nay: None

Commissioners abstaining: None

There being no further business, the meeting was adjourned at 2:25 P.M.

_____
Joe White, Chairman

_____
Pattie Brantley, AICP, Director of Urban Development.

Planning Commission
Case Fact Sheet

Name of Applicant: Marvin Arrington Sr.

Address of Property:	**Tax Parcels/Ward:**	**PPIN:**	**Ward:**
314 Bay Street	029P-10-281.00	18609	4

Requests: **Rezoning**

Purpose of Request: To consider an application for a **Rezoning** from **R-1B (Single-Family Residential) District** to **B-2 (Neighborhood Commercial) District**.

Applicant Summary: There is a mistake in the original zoning. Based on the 1989 Official Zoning Map archives, a staff error was made during the process of color coding the map. The archives reflect a business zoning classification was designated for the parcel instead of residential.

Applicable Regulations:

SECTION 52 **R-1B SINGLE-FAMILY RESIDENTIAL DISTRICT**

52.01 General Description - The principal use is for single-family dwellings and related recreational, religious and educational facilities normally required to provide the basic elements of a balanced and attractive residential area. These areas are intended to be defined and protected from the encroachment of uses not performing a function appropriate to the residential environment. Internal stability, attractiveness, order and efficiency are encouraged by providing for adequate light, air and open space for dwellings and related facilities and through consideration of the proper functional relationships of each element.

SECTION 59 **B-2 NEIGHBORHOOD BUSINESS DISTRICT**

59.01 General Description: The purpose of this business district is to provide retail stores and personal services for the convenience of the people in adjacent residential areas.

Present Zoning: The Parcel is currently zoned R-1B (Single-Family Residential) District.

Present Use: Gas Station / Convenience Store (Currently Vacant)

Surrounding Zoning and Land Use:

North: R-1A Single Family Residential District
South: R-1A & R-1B Single Family Residential District
East: R-1C Single Family Residential District
West: R-1A Single Family Residential District

Future Land Use Plan: The subject parcel is shown in the 2008 Future Land Use Map as Neighborhood Business District.

District Overview: **The Neighborhood Business District** is primarily a residential district located along the city's collector, minor arterial, and certain local streets. In this district, certain residential and low-intensity business uses may be found that exhibit development patterns that complement the residential, pedestrian-oriented character of surrounding neighborhoods.

District Characteristics: The characteristics of this district include the following: moderate-density single-family residences and certain two-family and multi-family uses; mixed-use buildings and developments; smaller, lower-intensity business developments that provide services to the neighborhood and community; and less-intensive commercial uses than are found in the Community Business District. Site development standards should include maximum building sizes, maximum residential densities, minimum and maximum building setbacks, building and site design elements, and provisions for pedestrian comfort and accessibility.

District Land Uses: The following land uses should be found in this district: single-family residential uses; two-family and multi-family residences, subject to use, density, and design guidelines; public and quasi-public uses, such as general indoor retail, specialty retail, service and office land uses that do not require the outdoor storage of goods or equipment.

Most Nearly Bounded By (streets): This parcel is bounded to west by Bay Street, Southern Avenue to the south, and Short Bay Street to the north and east.

Adverse Influences: None

Positive Influences: Consistent with Future Land Use Map in the Comprehensive Plan.

Letters or Concerns stated: The Planning Division Office has not received any letters or other written communications relative to this case, as of June 27, 2014.

Comments: Located in Comprehensive Plan Future Land Use Map - Neighborhood Business Corridor.

Located in the Hattiesburg Historic Neighborhood.

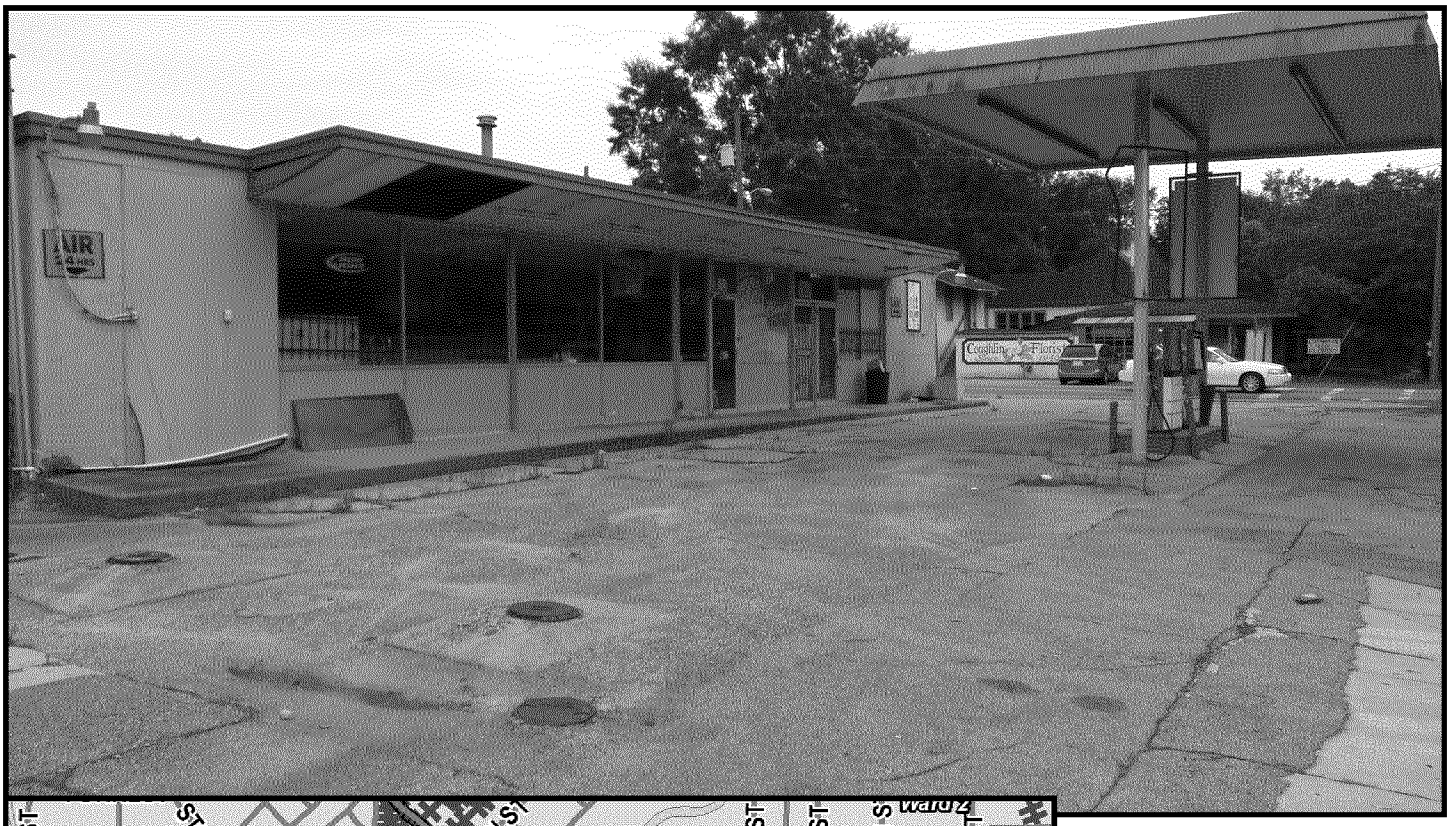
Basis for Approval: There is a mistake in the original zoning. Based on 1989 zoning map archives there was a staff error in coding the map.

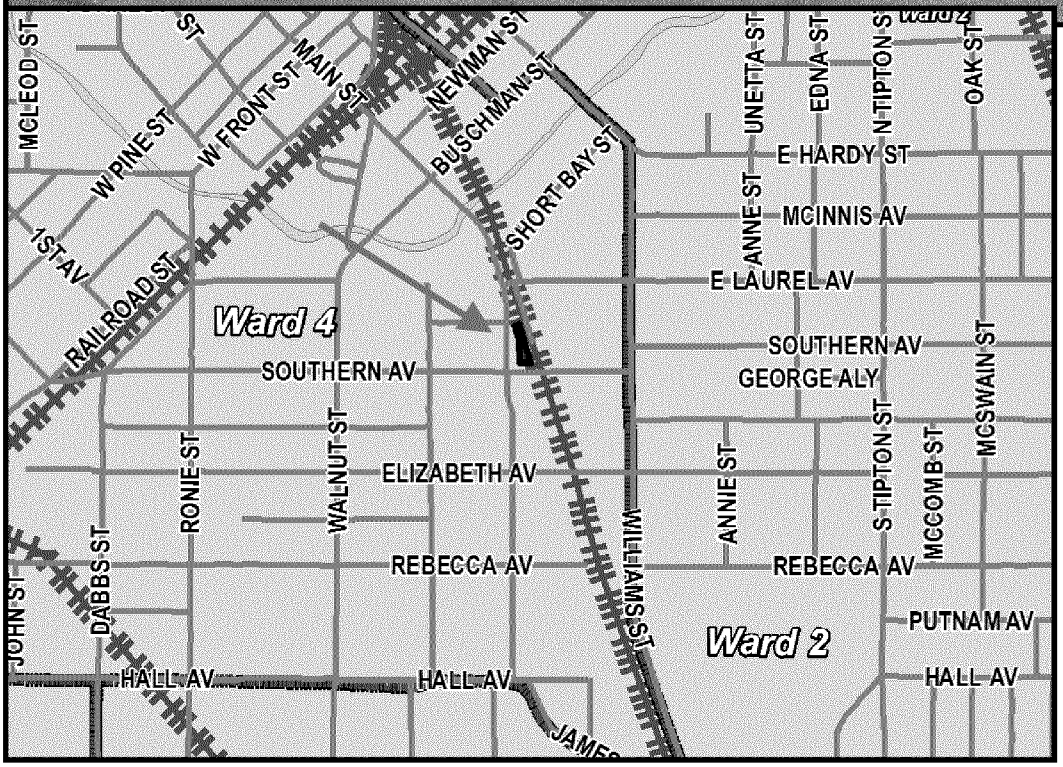
Options: Recommend approval or denial of the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. Said parcel being: 029P-10-281.00 (PPIN #18609).

SUBJECT PARCEL:

314 Bay St, Marvin Arrington Sr.

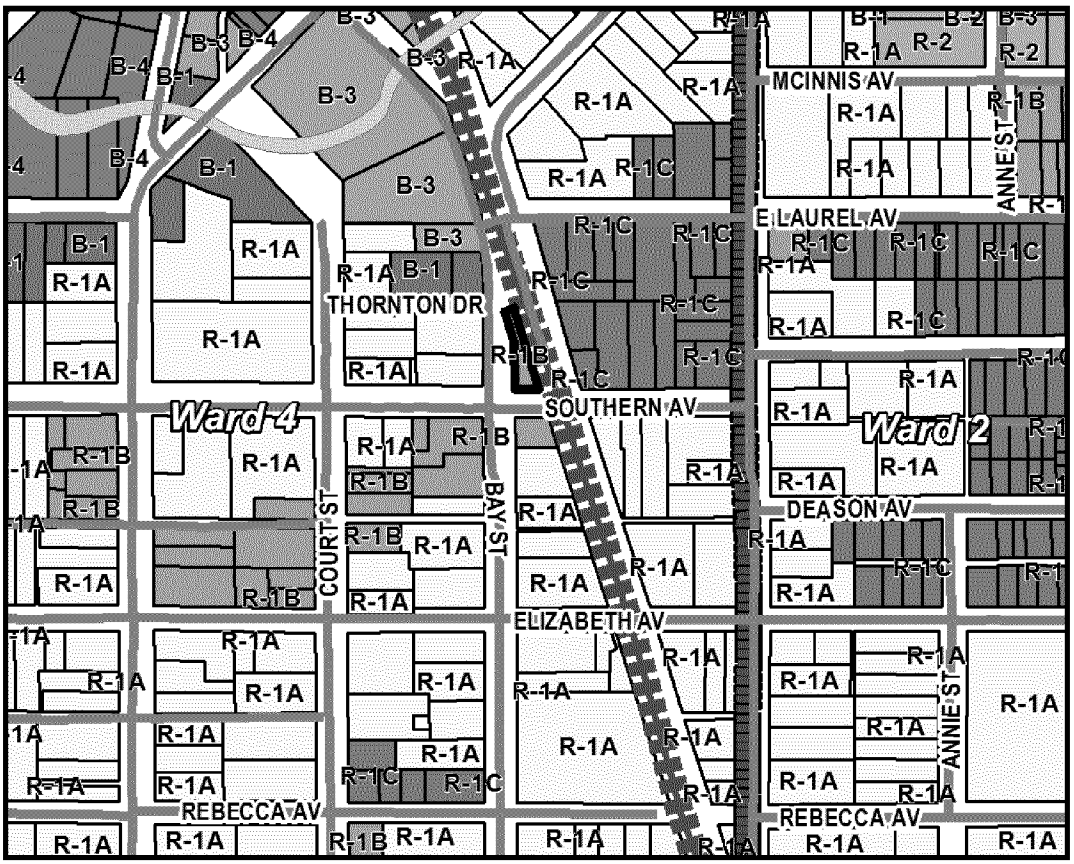
The applicant requests a Rezoning from R-1B (Single-Family Residential) District to B-2 (Neighborhood Commercial) District.



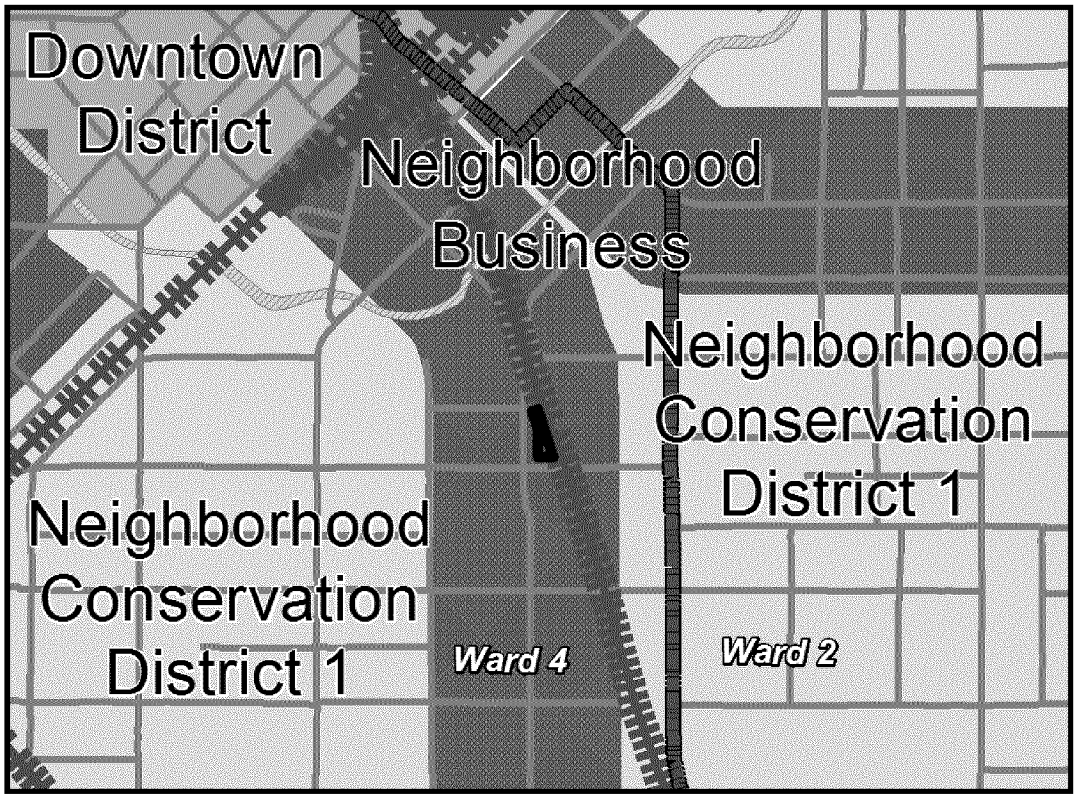


Vicinity Map

Zoning Map

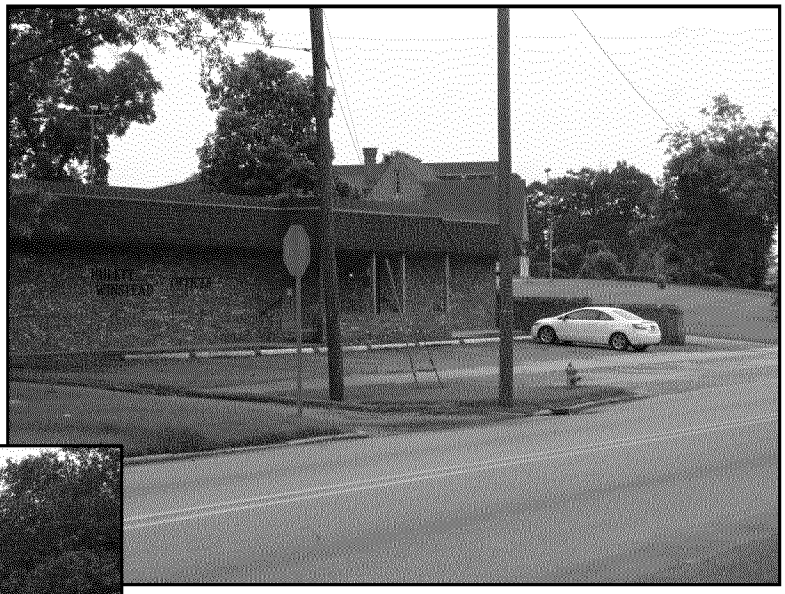


Future Land Use Map



SURROUNDING AREA

Northern Direction: Businesses and residences zoned B-3 (Community Business) District R-1A (Single-Family Residential) District in the direction of Downtown Hattiesburg.





Southern Direction: Florist and garage apartment (Item B-Request to rezone from R-1B to B-2)

Eastern Direction: Residences zoned R-1C (Single-Family Residential) District.





Western Direction: Residences zoned R-1A (Single-Family Residential) District.

Prepared by: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601)545-4550

Return to: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403
(601)545-4550

INDEXING INSTRUCTIONS:

ORDINANCE NUMBER _____

OF THE

CITY OF HATTIESBURG, MISSISSIPPI

AN ORDINANCE CHANGING AND AMENDING THE COMPREHENSIVE ZONING DISTRICT MAP, ADOPTED AS PART OF THE COMPREHENSIVE ZONING ORDINANCE NO. 2330, AS AMENDED, OF THE CITY OF HATTIESBURG, MISSISSIPPI FOR A CERTAIN PROPERTY LOCATED AT 314 BAY STREET (PARCEL 029P-10-281.00, PPIN 18609, WARD 4) FROM R-1B (SINGLE-FAMILY RESIDENTIAL) DISTRICT TO B-2 (NEIGHBORHOOD BUSINESS) DISTRICT.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI:

SECTION 1. That the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, be and the same is hereby changed and amended. The Hattiesburg Planning Commission recommended to APPROVE said change in zoning for the following reasons:

There is a mistake in the original zoning.

Said property is described as follows:

PPIN 18609 (314 Bay Street):
All of Lot 4 West of the Illinois Central Railroad Company right-of-way, being further described as that part of Lot 4 bounded on the East by the said Illinois Central Railroad Company right-of-way, on the South by Southern Avenue in the City of Hattiesburg, and on the West by Bay Street in the City of Hattiesburg, Mississippi, in Bock 66 of and according to the Kamper and Whinnery Subdivision No. 2 of the City of Hattiesburg, Forrest County, Mississippi, the same being a subdivision of a part of Section 10, Township 4 North, Range 13 West, Forrest County, Mississippi, as per the map or plat the4rof on file of record in the office of the Chancery Clerk of Forrest County, Mississippi, in Plat Book 12 at Page 6."

AND ALSO:

Certain Property situation in the Northwest Quarter of the Southeast Quarter of Section 10, Township 4 North, Range 13 West of the St. Stephen's Meridian at Hattiesburg, Forrest County, Mississippi, said property forming a portion of the right-of-way of the Illinois Central Gulf Railroad Company's Gulfport District is described as follows: Begin at a point where a line that lies parallel with and 50 feet normally distant Southwesterly from the centerline of the main tract intersects the North line of the 75 foot wide Southern Avenue, and run Northwesterly along said parallel line, being along Grantor's Western property line, 275 feet to a point; thence Northeasterly at a right angle to the last described course, 25 feet, more or less, to the aforesaid North line of Southern Avenue; thence Westerly along said North line 27 feet, more or less, to return to the point of beginning. Also, all right, title and interest to the North half of Southern Avenue lying along the South line of the premises hereinabove conveyed; together with all improvements thereon and appurtenances thereunto belonging.

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Comprehensive Zoning District Map and the Comprehensive Zoning Ordinance No. 2330, as amended, of said City of Hattiesburg, Mississippi, shall be and remain in full force and form as adopted.

SECTION 3. That this Ordinance take effect and be in force thirty (30) days from and after passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Council member _____ seconded by Council member and was adopted by the following vote to-wit:

YEAS: NAYS:

THE President thereby declared the motion carried and the foregoing Ordinance adopted and approved, this the_____day of_____ A.D., 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

THE above and foregoing Ordinance having been submitted to and approved by the Mayor, this the_____day of_____ A.D., 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

Prepared by and Return to:
Perry W. Phillips, MSB #9424, Jay Rodgers, MSB #100166, Perry W. Phillips, PLLC
P.O. Box 1978, Purvis, MS 39475 Phone: 601-264-3500

INDEXING INSTRUCTIONS: **Part of Lot 4, Block 66, Kamper & Whinnery, 2nd Addition and part of the NW¼ of SE¼ of Section 10, Township 4 North, Range 13 West, Forrest County, Mississippi.**

STATE OF MISSISSIPPI
COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of TEN DOLLARS ($10.00), cash in hand paid and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **AMY NGUYEN LU, 591 s. Frankfurt Avenue, West Covina, CA 91792 (601) 467-3026,** the Grantor herein, does hereby grant, bargain, sell, convey and warrant unto, **MARVIN L. ARRINGTON, SR., 504 Old Richton Rd., Petal, MS 39465 (601) 543-8201,** the Grantee herein, the following described property situated in Forrest County, Mississippi, to-wit:

> **All of Lot 4 West of the Illinois Central Railroad Company right-of-way, being further described as that part of Lot 4 bounded on the East by the said Illinois Central Railroad Company right-of-way, on the South by Southern Avenue in the City of Hattiesburg, and on the West by Bay Street in the City of Hattiesburg, Mississippi, in Block 66 of and according to the Kamper and Whinnery Subdivision No. 2 of the City of Hattiesburg, Forrest County, Mississippi, the same being a subdivision of a part of Section 10, Township 4 North, Range 13 West, Forrest County, Mississippi, as per the map or plat**

thereof on file and of record in the office of the Chancery Clerk of Forrest County, Mississippi, in Plat Book 12 at Page 6.

AND ALSO:

Certain property situated in the Northwest Quarter of the Southeast Quarter of Section 10, Township 4 North, Range 13 West of the St. Stephen's Meridian at Hattiesburg, Forrest County, Mississippi, said property forming a portion of the right-of-way of the Illinois Central Gulf Railroad Company's Gulfport District is described as follows: Begin at the point where a line that lies parallel with and 50 feet normally distant Southwesterly from the centerline of the main tract intersects the North line of 75 foot wide Southern Avenue, and run Northwesterly along said parallel line, being along Grantor's Western property line, 275 feet to a point; thence Northeasterly at a right angle to the last described course, 25 feet to a line that lies parallel with and 25 feet normally distance Southwesterly from said main tract centerline; thence Southeasterly along the last said parallel line, 280 feet, more or less, to the aforesaid North line of Southern Avenue; thence Westerly along said North line 27 feet, more or less, to return to the point of beginning. Also, all right, title and interest to the North half of Southern Avenue lying along the South line of the premises hereinabove conveyed; together with all improvements thereon and appurtenances thereunto belonging.

Subject to any Covenants, Restrictions and easements affecting the subject property which may be of record in the office of the Chancery Clerk of Forrest County, Mississippi.

Taxes for the year 2014 shall be pro-rated as of the date of this instrument and assumed by the Grantees. It is specifically agreed and understood that taxes for the current year are pro-rated based upon the previous years taxes.

Subject to any and all easements for public roads and public utilities as presently laid out, constructed or in use.

Said conveyance is subject to any and all prior reservations and/or conveyances of the oil, gas and other minerals in, on and under the subject property.

Grantor further warrants that the above described real property is no part of her homestead nor is it contiguous thereto.

WITNESS MY signature, on this the 21st day of April, A.D., 2014.

AMY NGUYEN LU

STATE OF CALIFORNIA
COUNTY OF RIVERSIDE

PERSONALLY APPEARED BEFORE ME, the undersigned authority in and for the said county and state, on the 21st day of April, 2014, within my jurisdiction, the within named **AMY NGUYEN LU**, who acknowledged that she executed the above and foregoing instrument on the day and year therein mentioned.

Priti B. Patel
Notary Public

My Commission Expires: APRIL 17, 2017

PRITI B. PATEL
Commission # 2014222
Notary Public - California
Riverside County
My Comm. Expires Apr 17, 2017

I:\wd\Arrington from Lu.wd
05-02788 ds

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1312

File ID: 2014-1312 **Type:** Regular Agenda Item **Status:** In Committee

Version: 3 **Reference:** **In Control:** Planning Commission

File Created: 08/11/2014

Brief Title: 400 Bay Street - Zoning Change **Final Action:** 09/16/2014

Minute Book Number: MB2014-227, remains

Title:

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Faye C. Whiddon, Owner. The Planning Commission voted to APPROVE the petition on July 2, 2014.

Notes:

Sponsors: **Enactment Date:**

Attachments: July PC Minutes (DRAFT), Image Sheet - 400 Bay St (Rezoning), Staff Summary - 400 Bay St (Rezoning), Ordinance - 400 Bay (Whiddon)

Enactment Number:

Contact: **Meeting Date:** 09/02/2014

Drafter: **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1		08/19/2014	Table				
	Action Text:	Table					
1	City Council	08/19/2014					
	Action Text:	No action was taken on Policy Agenda item V.-3; therefore, it remains on the TABLE. Council member Carroll stated that he does not see that this property has enough parking spaces to warrant a B-2 zoning. He said the zoning does not need to be changed but that he will be happy to consider a use permit [upon review].					
2	City Council	09/02/2014					

Action Text: No action was taken on Policy Agenda Item VI.-2 at the request of Ms. Brantley, who said more time is needed. The item remains on the Table.

Council President Bradley said that Policy Agenda Items VI.-1 and VI.-2 will be on the agenda for the second meeting in September.

3	City Council	09/16/2014	Remand	Planning Commission	Pass

Action Text: A MOTION was made by Council member Dryden and seconded by Council member Carroll to TAKE FROM THE TABLE AND remand to the Planning Commission and also send to Attorney Gladden for study, to APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Faye C. Whiddon, Owner. The Planning Commission voted to APPROVE the petition on July 2, 2014.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 3 - Bradley, Carroll and Naylor

Nays: 2 - Delgado and Naylor

Yea:	3	Council Member Bradley
		Council Member Carroll
		Council Member Dryden
Nay:	2	Council Member Delgado
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1312

Title

TAKE FROM THE TABLE AND APPROVE or DENY to adopt an ordinance to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District, filed by Faye C. Whiddon, Owner. The Planning Commission voted to APPROVE the petition on July 2, 2014.

Summary

Zoning Change - 400 Bay Street

MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION
July 2, 2014

The Hattiesburg Planning Commission did meet in a regular session on July 2, 2014 at 1:00 p.m. at the Jackie Dole Community Center, 220 West Front Street, Hattiesburg, Mississippi. Joseph White, Chairman, presided over the meeting. A quorum was indicated and the attendance was as follows:

Commissioners Present: Joseph White, Chairman
Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners Absent: Annie Pope
Dick Conville
Jessie Wilson

Also Present: Pattie Brantley, AICP, Director of Urban Development
Ginger Maddox, Planner
Michael Maret, Planner
Steve Mitchell, Building Official

Chairman, Joseph White, declared the meeting of the Hattiesburg Planning Commission open and in session at 1:00 P.M.

INVOCATION

Chairman White, gave the invocation.

AGENDA REVIEW

There came the matter of the July 2014 Agenda. Ms. Brantley requested a change in the order of petitions within the public hearing. A request was made by Chairman White for a motion to Approve the amended July 2014 Agenda. A motion was made by Commissioner McMurtrey to Approve the July 2014 Agenda and Seconded by Commissioner McCleskey.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners voting nay: None

Commissioners abstaining: None

MINUTES REVIEW

There came the matter of the June 18, 2014 minutes. A request was made by Chairman White for a motion to Approve the June, 18 2014 Minutes. A motion was made by Commissioner Corts to approve the minutes and seconded by Commissioner Horton.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Judy Corts
Don McCleskey

Commissioners voting nay: None

Commissioners abstaining: None

REPORTS

ENGINEERING REPORT

There came the matter of the Engineering Report. No report was submitted. The Commission was informed that Craig Dearman had retired from his position as an Engineer Technician for the City of Hattiesburg

BUILDING INSPECTION REPORT

There came the matter of the Building Inspection Report. No report was submitted.

PLANNING REPORT

There came the matter of the Planning Report. Urban Development Director, Pattie Brantley, informed the Commission that the City Council had not yet made rulings on last month's actions.

CHAIRMAN'S REPORT

There came the matter of the Chairman's Report. There was none.

PUBLIC HEARING

Chairman White declared the Public Hearing open at 1:10 P.M. and explained the rules and procedures of the hearing.

There came the matter of Item A (Rezoning), Marvin Arrington Sr., Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of a certain property located at 314 Bay street (Parcel 029P-10-281.00, PPIN 18609, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District.

	Name	Address	City/State
Presented by:	Marvin Arrington Sr.	504 Old Richton Rd	Petal, MS
Proponents:	None		
Opponents:	Lloyd Munn	401 Bay St	Hattiesburg, MS
	Jeanette Munn	401 Bay St	Hattiesburg, MS

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McCleskey made a motion to approve the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. He stated the basis for his motion is that there is a mistake in the original zoning. Based

on 1989 zoning map archives a staff error occurred while color coding the map. The motion was seconded by Commissioner Martin.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey

Commissioners voting nay: Judy Corts

Commissioners abstaining: None

There came the matter of Item B (Rezoning), Faye C. Whiddon, Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of a certain property located at 400 Bay street (Parcel 029P-10-282.00, PPIN 19200, Ward 4) from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District.

	Name	Address	City/State
Presented by:	Faye Whiddon	400 Bay Street	Hattiesburg, MS
Proponents:	None		
Opponents:	Lloyd Munn	401 Bay St	Hattiesburg, MS

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McMurtrey made a motion to approve the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. She stated the basis for her motion is that there is a mistake in the original zoning. Based on 1989 zoning map archives a staff error occurred while color coding the map. The motion was seconded by Commissioner Martin.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey

Commissioners voting nay: Judy Corts

Commissioners abstaining: None

There came the matter of Item C (Rezoning), Craig Tynes, Petitioner, on behalf of Pearl River Community College, Owner, with the Mayor and Council of the City of Hattiesburg, Mississippi, as required in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to change the zoning classification of certain properties located at 5448 US Highway 49 South (Parcels 2-038O-22-005.00, 2-038O-007.00, 2-041B-27-004.00, 2-041B-27-005.00, and 2-041B-27-007.00, PPINs 33388, 33352, 33381, 27662, and 39109, respectively, Ward 5) from A-1 (General Agriculture) District, R-1A (Single-Family Residential) District, and R-3 (Multi-Family Residential) District to B-3 (Community Business) District.

	Name	Address	City/State
Presented by:	Craig Tynes	101 Highway 11 N	Hattiesburg, MS

Proponents: Bennie Sellers, P.E 301 2nd Ave Hattiesburg, MS
(SD&W Engineering)

Opponents: None

Chairman White declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner McCleskey made a motion to approve the rezoning of the properties from A-1 (General Agriculture) District, R-1A (Single-Family Residential) District, and R-3 (Multi-Family Residential) District to B-3 (Community Business) District. He stated the basis for his motion is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the Comprehensive Plan. The motion was seconded by Commissioner Horton.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey
Judy Corts

Commissioners voting nay: None

Commissioners abstaining: None

There came the matter of Item D (Alley Closure), Jan Hammond, Petitioner on behalf of York Developments, LLC, and Bennett York, Owners, with the Mayor and Council of the City of Hattiesburg, Mississippi, to change and amend the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, to close and vacate the remaining portion of an unnamed alley, running north/south between S. 25th Avenue and S. 26th Avenue as allowed in the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi.

Due to the fact that the petitioner was still waiting on further information, after discussion, a motion was made by Commissioner Horton to TABLE Item D until the August Meeting. The motion was seconded by Commissioner McMurtrey.

Commissioners voting aye: Linda McMurtrey, Vice-Chairman
Peggy Horton, Secretary
Eric Martin
Don McCleskey
Judy Corts

Commissioners voting nay: None

Commissioners abstaining: None

There being no further business, the meeting was adjourned at 2:25 P.M.

_____
Joe White, Chairman

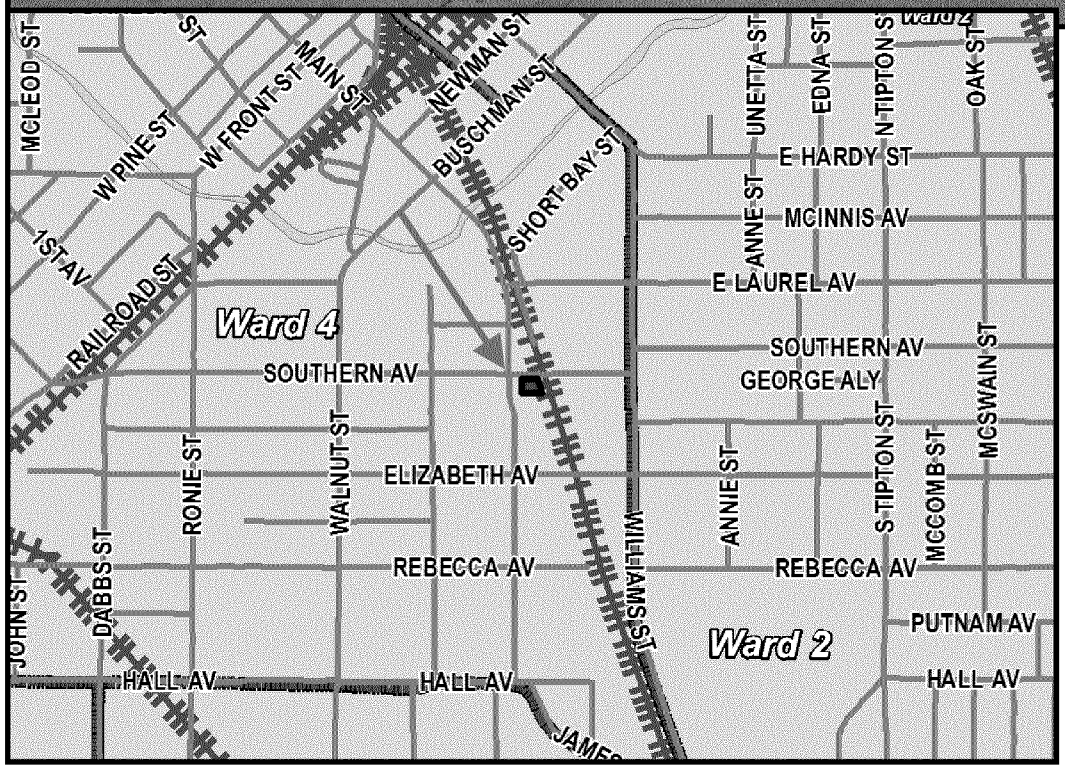
_____
Pattie Brantley, AICP, Director of Urban Development.

SUBJECT PARCEL:

400 Bay St, Faye C. Whiddon

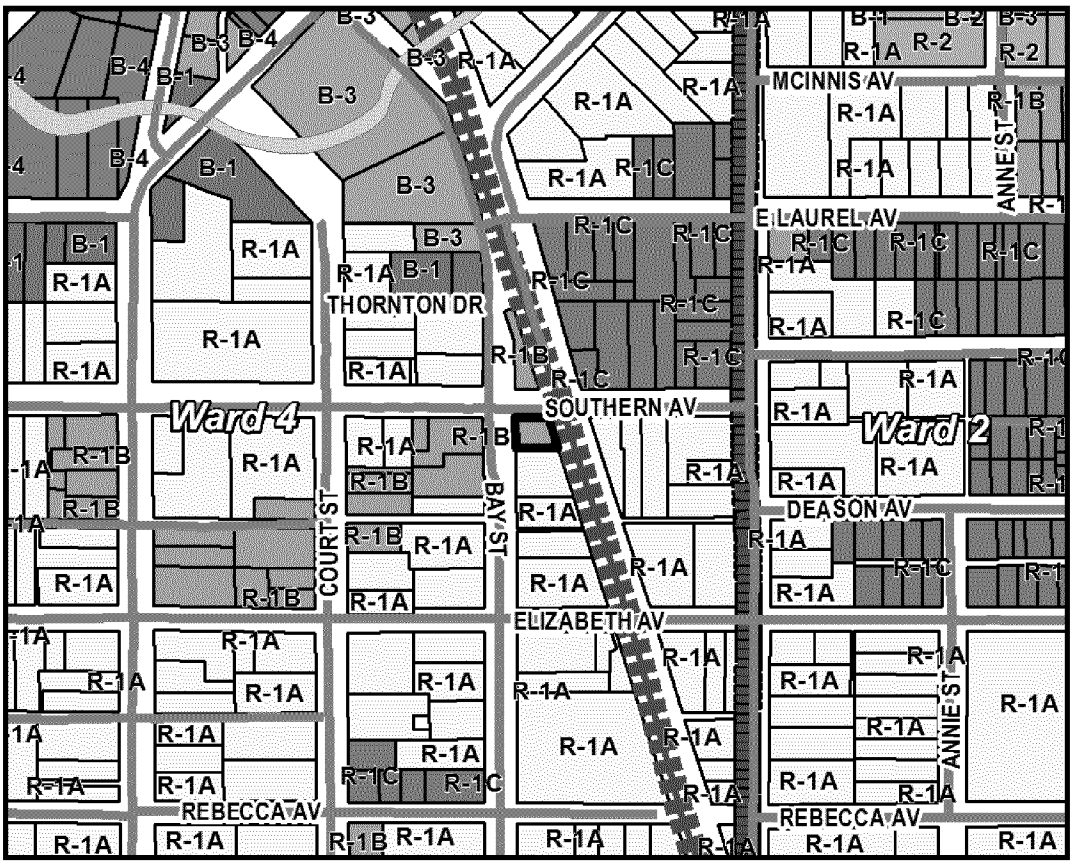
The applicant requests a Rezoning from R-1B (Single-Family Residential) District to B-2 (Neighborhood Commercial) District.



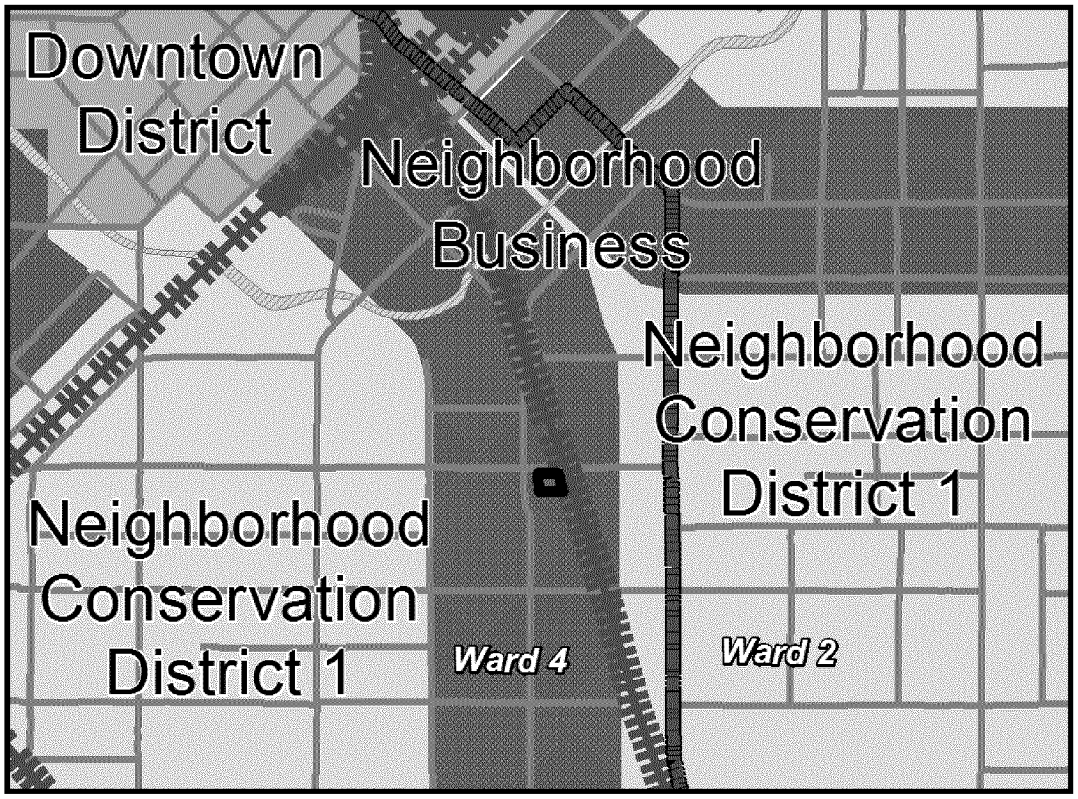


Vicinity Map

Zoning Map

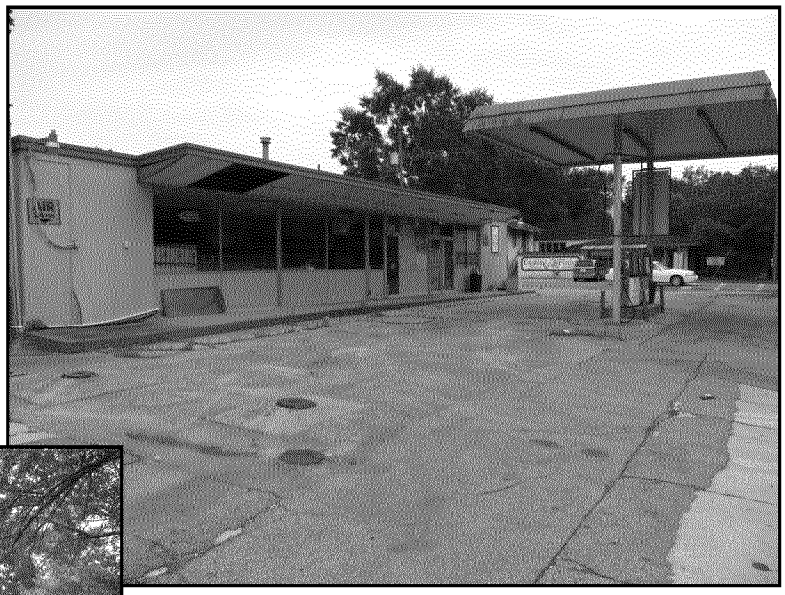


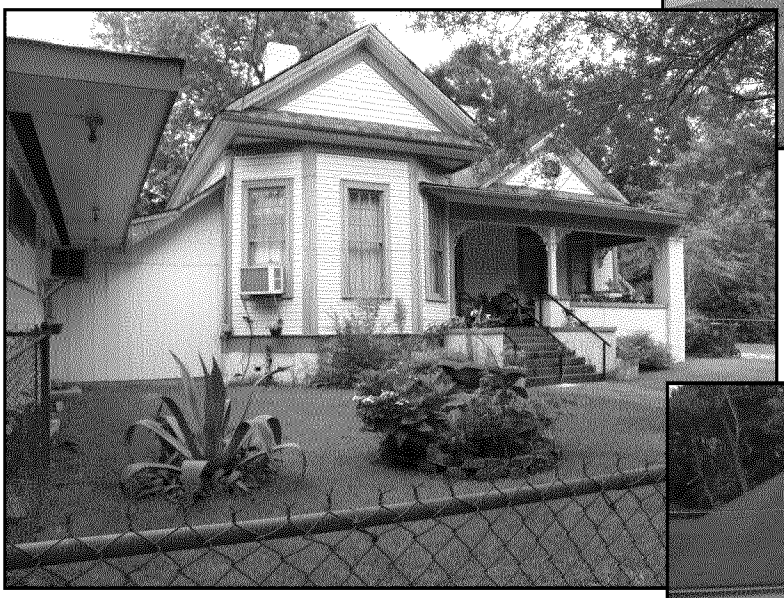
Future Land Use Map



SURROUNDING AREA

Northern Direction: Gas Station / Convenience Store (Item A-Request to rezone from R-1B to B-2).

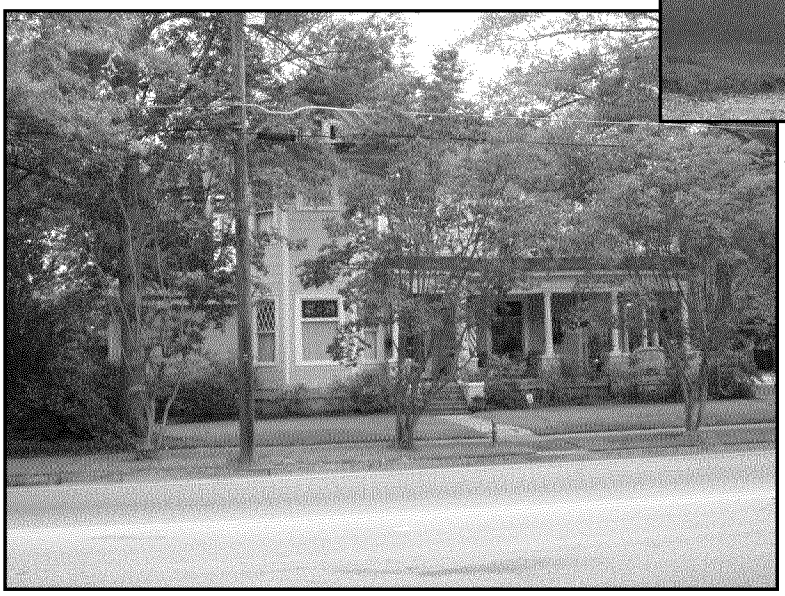




Southern Direction: Residences zoned R-1A and R-1B (Single-Family Residential) District .



Eastern Direction: Residences zoned R-1C (Single-Family Residential) District.



Western Direction: Residences zoned R-1A (Single-Family Residential) District.

Planning Commission
Case Fact Sheet

Name of Applicant: Faye Whiddon, Owner

Address of Property:	**Tax Parcels/Ward:**	**PPIN:**	**Ward:**
400 Bay Street	029P-10-282.00	19200	4

Requests: **Rezoning**

Purpose of Request: To consider an application for a **Rezoning** from **R-1B (Single-Family Residential) District** to **B-2 (Neighborhood Commercial) District**.

Applicant Summary: There is a mistake in the original zoning. Based on the 1989 Official Zoning Map archives, a staff error was made during the process of color coding the map. The archives reflect a business zoning classification was designated for the parcel instead of residential.

Applicable Regulations:

SECTION 52 **R-1B SINGLE-FAMILY RESIDENTIAL DISTRICT**

52.01 General Description - The principal use is for single-family dwellings and related recreational, religious and educational facilities normally required to provide the basic elements of a balanced and attractive residential area. These areas are intended to be defined and protected from the encroachment of uses not performing a function appropriate to the residential environment. Internal stability, attractiveness, order and efficiency are encouraged by providing for adequate light, air and open space for dwellings and related facilities and through consideration of the proper functional relationships of each element.

SECTION 59 **B-2 NEIGHBORHOOD BUSINESS DISTRICT**

59.01 General Description: The purpose of this business district is to provide retail stores and personal services for the convenience of the people in adjacent residential areas.

Present Zoning: The Parcel is currently zoned R-1B (Single-Family Residential) District.

Present Use: Florist / Garage Apt.

Surrounding Zoning and Land Use:

North: R-1A Single Family Residential District
South: R-1A & R-1B Single Family Residential District
East: R-1C Single Family Residential District
West: R-1A Single Family Residential District

Future Land Use Plan: The subject parcel is shown in the 2008 Future Land Use Map as Neighborhood Business District.

District Overview: **The Neighborhood Business District** is primarily a residential district located along the city's collector, minor arterial, and certain local streets. In this district, certain residential and low-intensity business uses may be found that exhibit development patterns that complement the residential, pedestrian-oriented character of surrounding neighborhoods.

District Characteristics: The characteristics of this district include the following: moderate-density single-family residences and certain two-family and multi-family uses; mixed-use buildings and developments; smaller, lower-intensity business developments that provide services to the neighborhood and community; and less-intensive commercial uses than are found in the Community Business District. Site development standards should include maximum building sizes, maximum residential densities, minimum and maximum building setbacks, building and site design elements, and provisions for pedestrian comfort and accessibility.

District Land Uses: The following land uses should be found in this district: single-family residential uses; two-family and multi-family residences, subject to use, density, and design guidelines; public and quasi-public uses, such as general indoor retail, specialty retail, service and office land uses that do not require the outdoor storage of goods or equipment.

Most Nearly Bounded By (streets): This parcel is bounded to west by Bay Street, Southern Avenue to the south, and Short Bay Street to the north and east.

Adverse Influences: None

Positive Influences:	Consistent with Future Land Use Map in the Comprehensive Plan.
Letters or Concerns stated:	The Planning Division Office has not received any letters or other written communications relative to this case, as of June 27, 2014.
Comments:	Located in Comprehensive Plan Future Land Use Map - Neighborhood Business Corridor. Located in the Hattiesburg Historic Neighborhood.
Basis for Approval:	There is a mistake in the original zoning. Based on 1989 zoning map archives there was a staff error in coding the map.
Options:	Recommend approval or denial of the request to rezone the subject parcel from R-1B (Single-Family Residential) District to B-2 (Neighborhood Business) District. Said parcel being: 029P-10-282.00 (PPIN 19200).

Prepared by: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601)545-4550

Return to: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403
(601)545-4550

INDEXING INSTRUCTIONS:

ORDINANCE NUMBER _____

OF THE

CITY OF HATTIESBURG, MISSISSIPPI

AN ORDINANCE CHANGING AND AMENDING THE COMPREHENSIVE ZONING DISTRICT MAP, ADOPTED AS PART OF THE COMPREHENSIVE ZONING ORDINANCE NO. 2330, AS AMENDED, OF THE CITY OF HATTIESBURG, MISSISSIPPI FOR A CERTAIN PROPERTY LOCATED AT 400 BAY STREET (PARCEL 029P-10-282.00, PPIN 19200, WARD 4) FROM R-1B (SINGLE-FAMILY RESIDENTIAL) DISTRICT TO B-2 (NEIGHBORHOOD BUSINESS) DISTRICT.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI:

SECTION 1. That the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 2330, as amended, of the City of Hattiesburg, Mississippi, be and the same is hereby changed and amended. The Hattiesburg Planning Commission recommended to APPROVE said change in zoning for the following reasons:

There is a mistake in the original zoning.

Said property is described as follows:

PPIN 19200 (400 Bay Street):
Lot one (1) in Block One Hundred Twenty Three (123) of the Kamper and Whinnery Subdivision of the City of Hattiesburg, County of Forrest, State of Mississippi, and further described as commencing at the Northwest corner of said Lot at the intersection of the southern boundary line of Southern Avenue with the eastern boundary of Bay Street and running thence South along the eastern boundary of Bay Street seventy-five (75') feet, thence East to the right of way of the G. & S.I. Railroad Company, thence in a northwesterly direction along the said right of way to the southern boundary of Southern Avenue and thence West along southern boundary of Southern Avenue to said point of beginning, together with all improvements and appurtenances thereunto belonging.

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Comprehensive Zoning District Map and the Comprehensive Zoning Ordinance No. 2330, as amended, of said City of Hattiesburg, Mississippi, shall be and remain in full force and form as adopted.

SECTION 3. That this Ordinance take effect and be in force thirty (30) days from and after passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Council member _____ seconded by Council member and was adopted by the following vote to-wit:

YEAS: NAYS:

THE President thereby declared the motion carried and the foregoing Ordinance adopted and approved, this the_____day of_____ A.D., 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

THE above and foregoing Ordinance having been submitted to and approved by the Mayor, this the_____day of_____ A.D., 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1346

File ID:	2014-1346	**Type:**	Ordinance	**Status:**	Passed
Version:	2	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	Ordinance - 2012 International Building Codes			**Final Action:**	11/04/2014
				Minute Book Number:	MB2014-244-247, Tak

Title:

TAKE FROM THE TABLE and Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Mayor memo on code revisions, Ordinance for 2012 Codes, executed Ordinance for 2012 Codes ORD#3143	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:	Stacy Jackson	**Effective Date:**	

History of Legislative File

Ver-sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Table				Pass

Action Text: A MOTION was made by Council Member Naylor and seconded by Council Member Delgado to TABLE to Adopt an Ordinance amending sections 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; increasing applicable fees; and repealing Ordinance number 3055.

Council President Bradley stated that [the Land Code Administrator] was concerned a few years ago when [the council] adopted the previous code [about the requirement for] sprinkler systems in residential [buildings]. He said that it was and is a big deal, as a lot of money is involved. He asked if that requirement is included in [these amendments].

Mr. Mitchell said [the city will adopt] the 2012 edition except for the National Electric Code, of which 2011 is the newest edition. He said [the city's] code will be updated with the exceptions listed in Section 1, and that Section 2 deletes the residential sprinkler requirement. Council President Bradley asked if other states are doing that. Mr. Mitchell replied in the affirmative and said the State of Mississippi has adopted the 2012 code also with the exception of residential sprinklers. Mr. Mitchell said also that [the city] is changing the work that is exempt from permits to include permitting and approval authority for fences; retaining walls; sidewalks, driveways and parking lots; and decks.

Council member Delgado asked Mr. Mitchell if he has identified funding for personnel that will be needed; Mr. Mitchell said that there will not be that big of an added work load, as inspectors will be there anyway. Council member Delgado said she would like to hear from people in the construction business. She said if memory serves correctly, she had complaints about the amount of time it takes to get inspectors [on site] from time to time; she said she is not saying it has been an issue recently but that she wonders whether [the city] is looking at these changes holistically.

Mr. Mitchell said he has a vacancy for an additional building code inspector as necessary but has not filled the position yet.

Ms. Brantley stated that [the city receives requests for] variances from residential property owners who [would not need them] had they gotten permits. She said many property owners put up fences or pour concrete driveways, particularly in the historic district, and it would be helpful to deal with these [issues] on the front end. Council member Delgado asked why these considerations cannot be made a part of requirements for the historic district, rather than the city as a whole. She stated concerns about adding an additional level of regulation for homeowners as to what they can do with their property; she said she understands the need for regulation and safety, but asked whether the city needs to step further into that arena beyond what it already does.

Ms. Brantley said that pouring sidewalks and driveways involves making curb cuts onto the streets, and that doing so [unregulated] can create dangers or make the property out of compliance; she said it has been a problem in the historic district and elsewhere, including the Avenues. She said that the Land Development Code requires that all properties zoned single family must have a minimum of 50 percent green area but that sometimes people do not realize it.

Council President Bradley stated he has [served on the Council] nine years, and [the city] has had and still has issues with getting inspections done in a timely way. He said he knows Mr. Mitchell is working hard at it, but said he is creating more bureaucracy and if [the city] does not have the right people or enough people, [the situation] will become more frustrating.

Mr. Mitchell said since April 1, when he started [working at the city], his department has not caused any delays as far as getting inspectors on site within 24 hours; he said [the city] has 48 hours but completes inspections within 24 hours. He said he does not believe [inspections] will delay any work, as there are two capable inspectors and that he is also a capable inspector; Mr. Mitchell stated there is a budgeted position for a technical inspector that he has not filled yet.

Council member Delgado stated her appreciation and said her concern is that homeowners will have another hoop to jump through in order to manage their own property.

Mr. Mitchell stated that regulating these items [can help] with harmony in the neighborhood. He said that if one homeowner puts up a fence with [unacceptable] material and [causes] an argument with a neighbor, or puts a driveway next to a neighbor's property line, regulations would eliminate a lot of conflict. Council member Dryden said it sounds like [the Land Code Division hopes] to catch things in the process so that the homeowner does not have to undo it; Mr. Mitchell responded in the affirmative. He said if [the city] can advise residents [at the start] and coordinate, it would save money and would prevent code enforcement and property owners from having to work backwards to resolve [errors].

Council President Bradley stated that education will be needed so people understand the new requirements.

Council member Delgado said there could be education without further regulations. She said she has a remedy that will not involve the city if she has a problem with something her neighbor has done that encroaches on her property. She said she would like to see [the city] err on the side of educating people as to how to enjoy their property without interfering with [their neighbors'] enjoyment of their [property].

Council member Naylor asked if [the city] has found anyone to be in violation of concrete pouring and required the concrete to be taken up; Mr. Mitchell said he has seen a lot of violations, and Ms. Brantley spoke of a current case before the historic commission. Council member Naylor repeated the question; Ms. Brantley replied in the negative. Council member Naylor commented that citizens can take action and beg forgiveness. Council member Dryden asked Mr. Mitchell if that is what [the city] is trying to prevent. Mr. Mitchell said [the city] is trying to prevent mistakes and trying to prevent one neighbor infringing on another neighbor; he said if [the city] can see [the work] up front, it can make sure it is done correctly in the first place. Council member Dryden noted that sometimes homeowners do not want to cause friction with neighbors, so if they can come to the city to help protect them, there will be an objective voice; Mr. Mitchell indicated agreement.

Council member Naylor asked about the city's requirement with regard to sprinkler systems for businesses and churches. Mr. Mitchell said that it remains the same, that it is almost identical to the 2006 code and is determined by occupancy and by the size and classification of the building. He said these amendments only except the requirement for homeowners to install sprinkler systems in new single family homes. Subsequent discussion related to specific codes that the city follows.

Mr. Mitchell explained proposed modifications of fees, increasing the cost of a standard copy of an incident report from $5 to $25 and the cost of certification of a fire protection system from $25 to $50. Council member Delgado questioned the rationale for raising the cost of an incident report to $25 and asked about poor property owners. Mr. Mitchell said he assumes the incident report is for city police, for example, for a copy of a traffic ticket or a code violation; he said building permit fees did not change and will remain same as they have been since 2008. Subsequent discussion related to manpower costs of providing reports; Mr. Mitchell said the $5 fee was substandard.

Council President Bradley suggested that the vote on this item be put off for two weeks for further review. He said he still wants to hear from Chief Presley about changes in the fire code. Mr. Mitchell said he will be available for further discussion at the Council's convenience.

Council member Naylor asked what will be done to notify public and businesses that will be affected as to the proposed changes; Mr. Mitchell said it will be published in the newspaper that new 2012 building codes have been adopted and will go into effect. He said most contractors know the 2012 codes are coming. He said the 2006 codes are antiquated. Council member Delgado said she would like to have some input from[contractors] before [the Council] votes on the [proposed amendments].

Following discussion, the Motion to Table received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea: 4 Council Member Bradley
Council Member Delgado
Council Member Dryden
Council Member Naylor

ΓEL-No Vote: 0

2	City Council	11/04/2014	Adopt	Pass

Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to TAKE FROM THE TABLE and Adopt an Ordinance (#3143) amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor

Nays: 0

Yea: 5 Council Member Bradley
Council Member Delgado
Council Member Carroll
Council Member Dryden
Council Member Naylor

ΓEL-No Vote: 0

Text of Legislative File 2014-1346

Title

TAKE FROM THE TABLE and Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

Summary

Ordinance - 2012 International Building Codes

Budget Information

[Enter Budget Information Here Without Parentheses. Example: Cost Center Line Item, Amount]

Expenditure Type

[Enter Expenditure Type Here Without Parentheses. Example: Regular Budget Item, Grant, Lease Purchase, etc.]

Purchasing Item

[Enter Purchasing Item Here Without Parentheses. Example: Sealed Bid, State Contract, Unadvertised Bid, Regular Purchase.]

Publication Information

[Please enter publication sites and dates]

City of Hattiesburg

Memo

To: Hon. Johnny L. Dupree, Mayor
Hattiesburg City Council Members

From: Steve Mitchell, Building Official

cc: Pattie Brantley, Director Urban Planning and Development
Charles Lawrence, City Attorney

Date: August 18, 2014

Re: Pending Ordinance to update the City's Building Codes

The City of Hattiesburg currently participates in the Community Rating System for our insurance and floodplain management assessment. As such, The City is rated as a Class 6 community and saves our residents approximately $86,155 per year in premiums. (Figures from attached Insurance Service Office letter dated March 20, 2014). We have been notified that our rating will increase to the maximum rating of Class 9 if we do not update our current building codes to a more current/stringent standard. This is being required across the State and approximately 60% of the State's major cities are working toward or have qualified for the more stringent codes.

The ISO requirement is that the City be no more than 2 editions behind of the most current International Code Council code update and requirements. The 2015 codes have been issued by the ICC and are currently being adopted. Hattiesburg operates under the 2006 edition and needs to upgrade because these ICC codes are updated every 3 years and we are behind by the 2009 edition and currently by the 2012 edition. Updating to the 2012 edition will bring the City into compliance until the 2021 revisions are issued and adopted. The State of Mississippi legislature has adopted Senate Bill #2378 effective August 1, 2014, adopting the 2012 edition of the ICC code revisions.

The proposed ordinance to adopt the 2012 ICC code revisions is similar to other cities within the State and follows some of the exceptions noted in Bill #2378 especially the requirements for sprinkler systems in new single family homes. Sections 1, 2, and 3 of the attached proposed ordinance modifies our acceptance of the ICC 2012 revisions and brings the new Code more into the norm for past City of Hattiesburg code requirements.

ORDINANCE NO:_____

OF THE
CITY OF HATTIESBURG, MISSISSIPPI

ADOPT AN ORDINANCE AMENDING SECTIONS 9 AND 22 OF THE CODE OF ORDINANCES TO ADOPT THE 2012 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL BUILDJNG CODE, INTERNATIONAL PLUMBJNG CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, INTERNATIONAL FIRE CODE, AND THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE; AND REPEALING ORDINANCE NUMBER 3055.

WHEREAS, it is the desire of the City of Hattiesburg, Mississippi to adopt, in all respects, the various Codes, relating to building, gas, housing, mechanical, plumbing and swimming pools, and

WHEREAS, the City of Hattiesburg is desirous of protecting public life, health and welfare and promoting the health, safety, morals and general welfare of the community by the adoption of these codes in order to facilitate proper inspection activities by the City of Hattiesburg, Mississippi, related to construction and to maintenance of buildings within said City of Hattiesburg and providing for the elimination or repair of unsafe buildings in a legal and timely manner within its corporate limits, by providing minimum housing standards for safe and healthful living, by providing regulatory measures in the swimming pool field, by providing basic code requirements governing the safe installation and maintenance of all mechanical equipment, by providing minimum requirements in the plumbing field, and by providing basic code requirements governing the safe installation of Consumer's piping and gas appliances for fuel gases so as to safeguard life, health, and public welfare and the protection of property, and by providing regulatory measures to control excavation, grading and earthwork construction, and

WHEREAS, the Council of the City of Hattiesburg is now fully authorized to pass an Ordinance for such purpose under the authority of Section 21-19-25 of the Mississippi Code of 1972, and other sections of said Code:

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Hattiesburg, Mississippi, that for the purpose of promoting the health, safety, morals and general welfare of the community within the corporate limits of the City of Hattiesburg, Mississippi, the following Codes, are hereby enacted into law:

SECTION 1: That the 2012 International Residential Code as modified in SECTION 2, and all appendixes except Appendix F -Radon Control Methods and Appendix L- Permit Fees. The 2012 International Building Code and all appendixes except Appendix B- Board of Appeals, Appendix D- Fire Districts, Appendix M- Tsunami- Generated Flood, The 2012 International Plumbing Code and all appendixes except Appendix A- Plumbing Permit Fee Schedule, The 2012 International Mechanical Code and all appendixes except Appendix B- Permit fee Schedule, The 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code and all appendixes, all by International Code Council, and The 2011 National

Electrical Code copies of which have this day been exhibited to and approved by the Council of the City of Hattiesburg, Mississippi, be and the same are hereby adopted and binding within the corporate limits of the City of Hattiesburg, Mississippi and the police jurisdiction thereof.

SECTION 2: That the 2012 International Residential Code be adopted and binding with the exception of: Appendix F- Radon Control Methods, Appendix L- Permit Fees. Modify the 2012 International Residential Code sections as follows:

Section R105.2- Work Exempt from Permit; Delete items 2, 3, 5, and 10. These items will require building permits.

Section R302.5.1 – Opening Protection; Insert: In lieu of self-closing device, a carbon monoxide detector may be installed on the dwelling side of the garage door opening into the living space installed as per Section 315 of this Code.

Section R309.5- Fire Sprinklers; Delete this Section in its entirety.

Section R313 -Automatic Fire Sprinkler System; Delete this Section in its entirety.

SECTION 3: That the 2012 International Building Code be adopted and binding the exception of: Appendix B – Board of Appeals, Appendix D – Fire Districts, and Appendix M – Tsunami – Generated Flood Hazard. Modify the 2012 International Building Code Sections as follows:

Section 105.2- Work Exempt From Permit; Delete Items 2, 4, and 6. These items will require building permits.

SECTION 4: That said; 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, The 2011 National Electrical Code are too voluminous to herein set out in full but copies of the same are on file with the Clerk of the City of Hattiesburg and made a part of this Ordinance as if fully and completely copied and set forth herein.

SECTION 5: The City Clerk of the City of Hattiesburg is hereby authorized, directed and empowered to insert at the appropriate place therein a Certificate to the effect that said International Codes, are official publications of the International Code Council and that the 2011 National Electrical Code is an official publication of the National Fire Protection Association and that said publications in pamphlet form by authority and under direction of the Mayor and the Council of said City of Hattiesburg are to be and become effective as The 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, and The 2011 National Electrical Code

SECTION 6: Fire Protection Systems and Equipment;

The Fire Code Official of the City of Hattiesburg shall have the authority to require certification of a person or persons who design, install or maintain fire protection equipment, such as automatic sprinkler systems, portable fire extinguishers and industrial suppression systems.

SECTION 7: Establishment of Motor Vehicle routes for Transportation of Hazardous or Explosive Materials:

The routes referred to in this Ordinance for transporting hazardous or explosive materials as identified in The International Fire Code, Appendix E or hereby established as follows: U.S. Highway 49, U.S. Highway 11, U.S. Highway 1-59, U.S. Highway 98, and Mississippi State Highway 42 are approved within said City; provided, however, in the event that a vehicle or vehicles carrying hazardous or explosive materials may be allowed to transverse the streets of the City of Hattiesburg, to and from a given destination, notification shall be made to the Hattiesburg Fire Department and to the Traffic Division of the Hattiesburg Police Department through Central Dispatch of said City.

SECTION 8: Establishment of Fire Lanes:

Access to buildings by fire apparatus, as referred to in Chapter 5, of the International Fire Code, shall also include the following:

A. Installation of No Parking Signs or other appropriate notice, or approved Obstruction inhibiting parking may be required and, if installed, shall be maintained. The criteria regarding design and location shall be installed as defined in Appendix D of The International Fire Code. The owner (or his representative) of a building which is adjacent to the fire lane shall be responsible for keeping the fire lane free of obstructions. Written consent may be granted by the owner or his representative to the City of Hattiesburg for enforcement of individual violators.

B. All alleys shall be considered fire lanes and must be kept clear of obstructions at all times. The only exceptions will be vehicles making deliveries to businesses with the maximum parking time being one (1) hour. Proof of such deliveries must be provided by the driver of the delivery vehicle.

SECTION 9: Modifications:

The City Council of the City of Hattiesburg shall have power to modify by subsequent ordinance any of the provisions of the International Fire Code.

SECTION 10: Fees (as established by the governing authorities of the City of Hattiesburg):

A.	Standard copy of Incident Report	-------- $	5.00
B.	Bum Permit	-------- $	100.00
C.	Certification of Fire Protections Systems	-------- $	25.00
D.	Fireworks Permit	-------- $	100.00
E•	Fireworks Permit, if apparatus is Required by Fire Official	-------- $	250.00
F.	Hydrant Flow Test	--------$	100.00

SECTION 11. That Ordinance number 3055 and any and all ordinances in conflict with this ordinance, are hereby repealed.

SECTION 12: That this Ordinance take effect and be in force thirty (30) days from and after its passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Council member_____, seconded by Council member _____ and was adopted by the following vote, to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the ordinance adopted, this the _____day of November, A.D., 2014.

(SEAL)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

The above and foregoing Ordinance, having been submitted to and approved by the Mayor, this the _____day of November, A.D., 2014.

ATTEST: APPROVED:

_____ _____

DEPUTY CITY CLERK MAYOR

ORDINANCE NO: 3143

OF THE
CITY OF HATTIESBURG, MISSISSIPPI

ADOPT AN ORDINANCE AMENDING SECTIONS 9 AND 22 OF THE CODE OF ORDINANCES TO ADOPT THE 2012 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL BUILDJNG CODE, INTERNATIONAL PLUMBJNG CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, INTERNATIONAL FIRE CODE, AND THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE; AND REPEALING ORDINANCE NUMBER 3055.

WHEREAS, it is the desire of the City of Hattiesburg, Mississippi to adopt, in all respects, the various Codes, relating to building, gas, housing, mechanical, plumbing and swimming pools, and

WHEREAS, the City of Hattiesburg is desirous of protecting public life, health and welfare and promoting the health, safety, morals and general welfare of the community by the adoption of these codes in order to facilitate proper inspection activities by the City of Hattiesburg, Mississippi, related to construction and to maintenance of buildings within said City of Hattiesburg and providing for the elimination or repair of unsafe buildings in a legal and timely manner within its corporate limits, by providing minimum housing standards for safe and healthful living, by providing regulatory measures in the swimming pool field, by providing basic code requirements governing the safe installation and maintenance of all mechanical equipment, by providing minimum requirements in the plumbing field, and by providing basic code requirements governing the safe installation of Consumer's piping and gas appliances for fuel gases so as to safeguard life, health, and public welfare and the protection of property, and by providing regulatory measures to control excavation, grading and earthwork construction, and

WHEREAS, the Council of the City of Hattiesburg is now fully authorized to pass an Ordinance for such purpose under the authority of Section 21-19-25 of the Mississippi Code of 1972, and other sections of said Code:

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Hattiesburg, Mississippi, that for the purpose of promoting the health, safety, morals and general welfare of the community within the corporate limits of the City of Hattiesburg, Mississippi, the following Codes, are hereby enacted into law:

SECTION 1: That the 2012 International Residential Code as modified in SECTION 2, and all appendixes except Appendix F -Radon Control Methods and Appendix L- Permit Fees. The 2012 International Building Code and all appendixes except Appendix B- Board of Appeals, Appendix D- Fire Districts, Appendix M- Tsunami- Generated Flood, The 2012 International Plumbing Code and all appendixes except Appendix A- Plumbing Permit Fee Schedule, The 2012 International Mechanical Code and all appendixes except Appendix B- Permit fee Schedule, The 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code and all appendixes, all by International Code Council, and The 2011 National

Electrical Code copies of which have this day been exhibited to and approved by the Council of the City of Hattiesburg, Mississippi, be and the same are hereby adopted and binding within the corporate limits of the City of Hattiesburg, Mississippi and the police jurisdiction thereof.

SECTION 2: That the 2012 International Residential Code be adopted and binding with the exception of: Appendix F- Radon Control Methods, Appendix L- Permit Fees. Modify the 2012 International Residential Code sections as follows:

Section Rl05.2- Work Exempt from Permit; Delete items 2, 3, 5, and 10. These items will require building permits.

Section R302.5.1 – Opening Protection; Insert: In lieu of self-closing device, a carbon monoxide detector may be installed on the dwelling side of the garage door opening into the living space installed as per Section 315 of this Code.

Section R309.5- Fire Sprinklers; Delete this Section in its entirety.

Section R313 -Automatic Fire Sprinkler System; Delete this Section in its entirety.

SECTION 3: That the 2012 International Building Code be adopted and binding the exception of: Appendix B – Board of Appeals, Appendix D – Fire Districts, and Appendix M – Tsunami – Generated Flood Hazard. Modify the 2012 International Building Code Sections as follows:

Section 105.2- Work Exempt From Permit; Delete Items 2, 4, and 6. These items will require building permits.

SECTION 4: That said; 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, The 2011 National Electrical Code are too voluminous to herein set out in full but copies of the same are on file with the Clerk of the City of Hattiesburg and made a part of this Ordinance as if fully and completely copied and set forth herein.

SECTION 5: The City Clerk of the City of Hattiesburg is hereby authorized, directed and empowered to insert at the appropriate place therein a Certificate to the effect that said International Codes, are official publications of the International Code Council and that the 2011 National Electrical Code is an official publication of the National Fire Protection Association and that said publications in pamphlet form by authority and under direction of the Mayor and the Council of said City of Hattiesburg are to be and become effective as The 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, and The 2011 National Electrical Code

SECTION 6: Fire Protection Systems and Equipment;

The Fire Code Official of the City of Hattiesburg shall have the authority to require certification of a person or persons who design, install or maintain fire protection equipment, such as automatic sprinkler systems, portable fire extinguishers and industrial suppression systems.

SECTION 7: Establishment of Motor Vehicle routes for Transportation of Hazardous or Explosive Materials:

The routes referred to in this Ordinance for transporting hazardous or explosive materials as identified in The International Fire Code, Appendix E or hereby established as follows: U.S. Highway 49, U.S. Highway 11, U.S. Highway 1-59, U.S. Highway 98, and Mississippi State Highway 42 are approved within said City; provided, however, in the event that a vehicle or vehicles carrying hazardous or explosive materials may be allowed to transverse the streets of the City of Hattiesburg, to and from a given destination, notification shall be made to the Hattiesburg Fire Department and to the Traffic Division of the Hattiesburg Police Department through Central Dispatch of said City.

SECTION 8: Establishment of Fire Lanes:

Access to buildings by fire apparatus, as referred to in Chapter 5, of the International Fire Code, shall also include the following:

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B. All alleys shall be considered fire lanes and must be kept clear of obstructions at all times. The only exceptions will be vehicles making deliveries to businesses with the maximum parking time being one (1) hour. Proof of such deliveries must be provided by the driver of the delivery vehicle.

SECTION 9: Modifications:

The City Council of the City of Hattiesburg shall have power to modify by subsequent ordinance any of the provisions of the International Fire Code.

SECTION 10: Fees (as established by the governing authorities of the City of Hattiesburg):

A.	Standard copy of Incident Report	-------- $	5.00
B.	Bum Permit	-------- $	100.00
C.	Certification of Fire Protections Systems	-------- $	25.00
D.	Fireworks Permit	-------- $	100.00
E.	Fireworks Permit, if apparatus is Required by Fire Official	-------- $	250.00
F.	Hydrant Flow Test	-------$	100.00

SECTION 11. That Ordinance number 3055 and any and all ordinances in conflict with this ordinance, are hereby repealed.

SECTION 12: That this Ordinance take effect and be in force thirty (30) days from and after its passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor and was adopted by the following vote, to-wit:

YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

The President thereby declared the motion carried and the ordinance adopted, this the 4th day of November, A.D., 2014.

(SEAL)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Ordinance, having been submitted to and approved by the Mayor, this the 4th day of November, A.D., 2014.

ATTEST:

DEPUTY CITY CLERK

APPROVED:

MAYOR

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1338

File ID:	2014-1338	**Type:**	Resolution	**Status:**	Passed
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/25/2014
Brief Title:	Adopt the Hazard Mitigation Plan			**Final Action:**	09/02/2014
				Minute Book Number:	MB2014-247-248

Title: Adopt a Resolution approving the adoption and implementation of the Hazard Mitigation Plan including the jurisdictions of Forrest County, The City of Hattiesburg, and the City of Petal. Prepared for The Federal Emergency Management Agency (FEMA) & The Mississippi Emergency Management Agency (MEMA) by The Forrest County Planning Department in Association with the Multi-Hazard Mitigation Regional Planning Committee, The University of Southern Mississippi, and The Emergency Management District.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Hattiesburg Haz Mit Committment 2012, Hazard Mitigation Plan 2013, Haz Mit Correspondence, RESOLUTION_2014_, executed RESOLUTION_2014_	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:	Ginger Maddox	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Adopt				Pass

Action Text: A MOTION was made by Council Member Naylor and seconded by Council Member Dryden to Adopt a Resolution approving the adoption and implementation of the Hazard Mitigation Plan including the jurisdictions of Forrest County, The City of Hattiesburg, and the City of Petal. Prepared for The Federal Emergency Management Agency (FEMA) & The Mississippi Emergency Management Agency (MEMA) by The Forrest County Planning Department in Association with the Multi-Hazard Mitigation Regional Planning Committee, The University of Southern Mississippi, and The Emergency Management District.

Ginger Maddox, historic planner, said the only major updates are in Chapter 5 and are to programs that receive funding through FEMA and MEMA. She said the updates already have been approved by MEMA and were the subject of public hearings in 2013.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1338

Title

Adopt a Resolution approving the adoption and implementation of the Hazard Mitigation Plan including the jurisdictions of Forrest County, The City of Hattiesburg, and the City of Petal. Prepared for The Federal Emergency Management Agency (FEMA) & The Mississippi Emergency Management Agency (MEMA) by The Forrest County Planning Department in Association with the Multi-Hazard Mitigation Regional Planning Committee, The University of Southern Mississippi, and The Emergency Management District.

RESOLUTION

COMMITTING TO HAZARD MITIGATION

FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES

IN HATTIESBURG, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of the City of Hattiesburg, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens and significantly reduce the loss of life and property from natural hazards, and

WHEREAS, a concerted effort has been made by the City of Hattiesburg to address hazard mitigation in its respective plans, policies and programs; and

WHEREAS, hazard mitigation goals and objectives can be effectively developed through participating in the update of the 2007 Hazard Mitigation Plan approved by the Mississippi Emergency Management Agency:

NOW THEREFORE, LET IT BE RESOLVED, We, the Mayor and City Council of the City of Hattiesburg, do hereby resolve to participate in and contribute to the update of the Hazard Mitigation Plan including the jurisdictions of Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District, and to publicly review, revise and consider adoption of said updated plan.

1. We appoint Lisa J. Reid, CFM, Planning Administrator, to be our primary representatives along with the following citizens:

   Wayne Landers, Public Safety Officer for the Forrest General Hospital;
   Rodney Gresham, Plant Services Manager for Wesley Medical Center; and
   a representative from South Group Insurance Services (Glenn and/or Roman Galey)

   to the Hazard Mitigation Council, with the responsibility of representing the concerns of the City of Hattiesburg, and private entities. Such concerns will be identified through comprehensive coordination with these entities.
2. The appointed representatives will have the authority to represent these entities in developing and implementing necessary plans and policies subject to Council approval.
3. We understand that this planning effort includes:

a. Identifying the natural hazards and analyzing the risks that affect our community;

b. Assessing our vulnerability to these hazards;

c. Reviewing and evaluating the effectiveness of our current local hazard mitigation plans, programs and policies related to the natural hazards;

d. Developing an integrated regional Hazard Mitigation Strategy, with goals and objectives for implementing the strategy;

e. Submitting the plan to all the affected local governments for consideration for approval as a condition of future Federal Disaster Mitigation Assistance; and

f. Requiring our best efforts to implement, evaluate and update the Hazard Mitigation Plan as required, but not less than every five years.

The foregoing Resolution having been reduced to writing, the same was introduced by Councilman, Carroll seconded by Councilman, Naylor and was adopted by the following vote to-wit:

YEAS: Bradley, Delgado, Carroll, Naylor NAYS: None ABSENT: Ware

THE President thereby declared the motion carried and the foregoing Resolution adopted and approved, this the 17th day of April A.D., 2012.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

PRESIDENT

THE above foregoing Resolution having been submitted to and approved by the Mayor, this the 17th day of April A.D., 2012.

ATTEST:

Eddie L. Myers
CITY CLERK

APPROVED:

MAYOR

Table of Contents

1. Introduction
Purpose 1-1
Acknowledgements 1-1
2. Plan Approach
Plan Process and Public Involvement 2-1
Involvement from Participating Jurisdictions 2-1
Multi-Hazard Mitigation Planning Committee 2-4
Data Compilation and Analysis 2-7
3. Hazards and Vulnerability Analysis
Overview 3-1
Planning Area 3-1
Current Conditions 3-1
Existing Land Uses 3-1
Existing Zoning 3-2
Existing Vulnerable Buildings, Infrastructure and Critical Facilities 3-4
Vulnerable Historic/Cultural Features 3-4
Description of Individual Hazards 3-6
Historical Occurrence 3-6
Magnitude/Severity of Impact 3-21
Probability of Future Occurrence 3-27
Summary of Hazard Characteristics 3-28
Vulnerability 3-29
Planned Improvements and Vacant/Underutilized Land 3-29
Areas affected by Identified Hazards 3-29
Analysis of Development Trends 3-30
Summary of Jurisdictional Exposure to Risk by Hazard 3-31
4. Capability Assessment
Policies, Programs and Plans 4-1
Planning Tools 4-2
Implementation Tools 4-3
5. Mitigation Strategies
Mitigation Goals to Reduce/Avoid Existing and Future Vulnerabilities 5-1
Range of Mitigation Actions Considered 5-1
Process and Criteria to Prioritize and Select Actions for Implementation 5-2
Mitigation Implementation 5-3
Policies and Programs 5-12
6. Plan Amendment 6-1

7. Maps
8. Appendices

List of Illustrations

Tables

Table 2 – 1	Public Hearings	2-4
Table 2 – 2	Multi-Hazard Mitigation Planning Committee Meetings	2-5
Table 3 – 1	City of Petal Existing Land Use and Vacant Land Analysis	3-3
Table 3 – 2	Forrest County Properties on the National Register of Historic Places	3-5
Table 3 – 3	Summary of Hazard Historical Occurrence	3-7
Table 3 – 4	High Hazard Dams	3-7
Table 3 – 5	Flood Occurrences	3-10
Table 3 – 6	Hurricanes, Tropical Storms and High Winds Occurrence	3-14
Table 3 – 7	Saffir – Simpson Hurricane Scale	3-16
Table 3 – 8	Tornados and Funnel Cloud Occurrence	3-17
Table 3 – 9	Fujita Tornado Damage Scale	3-18
Table 3-10	Enhanced Fujita Scale	3-19
Table 3 – 11	Risk Assessment by Jurisdiction	3-22
Table 3 – 12	Summary of Probability of Future Occurrence	3-28
Table 4 – 1	Plans and Implementation Measures	4-1

Figures

Figure 3 –1	Critical Facilities Profiles	3- 4
Figure 3 – 2	Hail Occurrence	3-12
Figure 3 – 3	Thunderstorm and Lighting Occurrence	3-16
Figure 3 – 4	City of Petal Building Permit Analysis for New Construction	3-30
Figure 3 – 5	City of Hattiesburg Building Permit Analysis	3-31

Maps

Map 3 – 1	Planning Area
Map 3 – 2	City of Petal Zoning
Map 3 – 3	City of Hattiesburg Zoning
Map 3 – 4	City of Hattiesburg National Register Historic Districts
May 3 – 5	Forrest County Floodplain
Map 3 – 6	City of Petal Floodplain
Map 3 – 7	City of Hattiesburg Floodplain
Map 3 – 8	City of Hattiesburg Repetitive Loss Properties
Map 3 – 9	Hattiesburg Urban Area Population (2008)
Map 3 – 10	Hattiesburg Urban Area Population (2008-2035)
Map 3 – 11	Hattiesburg Urban Area Population Total Dwelling Units (2035)
Map 3 – 12	Hattiesburg Urban Area Population (2035)

Maps Continued

Map 3 – 13 Hattiesburg Urban Area Population Change 2000-2030
Map 3 – 14 Hattiesburg Neighborhood Associations
Map 3 – 15 Residential Developments
Map 3 – 16 Forrest County Communities
Map 3 – 17 Area Earthquake Probability

Appendices

For Public Dissemination

Appendix A Resolutions Forming Multi-Hazard Mitigation Committee
Appendix B Multi-Hazard Mitigation Planning Committee Meeting Sign-in Sheets
Appendix C Public Hearings
Appendix D Survey Instrument and Critical Facility Questionnaire
Appendix E Estimated Population at Risk, by Hazard
Appendix F Thunderstorm and Lightning History, 1996-present
Appendix G Earthquake Occurrence in Mississippi
Appendix H Hail History 1996 – Present
Appendix I Flood Safety Checklist
Appendix J Family Disaster Plan
Appendix K Safe Generator Use
Appendix L Weather Safety: Lightning
Appendix M Fire Prevention and Safety Checklist

Confidential – Not for Public Dissemination/Disclosure

Appendix N Critical Facilities with Vulnerability Assessment
Appendix O All Identified Repetitive Loss Properties
Appendix P Generator Data Spreadsheet/City of Hattiesburg Generators
Appendix Q Critical Facilities Map

1. Introduction

Purpose

The purpose of the Hazard Mitigation Plan is to protect the residents of Forrest County by lowering the risks and reducing the effects of disasters on critical facilities by identifying and implementing mitigation strategies that will reduce or prevent catastrophic damages, casualties, physical and/or financial losses.

Acknowledgements

Kara W. Drane, AICP, Forrest County Planning Director; Corey Proctor, Forrest County Senior Planner and Kyle Hopkins, Emergency Management District prepared this plan with assistance from Emergency Management District, City of Hattiesburg and the City of Petal. We wish to acknowledge the valuable contributions of these committees and individuals:

Forrest County
Board of Supervisors
David Hogan, President - District 1
Charles Marshall - District 2
Burkett Ross - District 3
Roderick Woullard, Vice President - District 4
Chris Bowen - District 5

Designated Members on the Hazard Mitigation Council:
Kara W. Drane, AICP, Planning Director
Corey Proctor, Senior Planner
Raylawni Branch, District 2 Representative
Hardy Thorne, District 4 Representative
Don Harvey, District 5 Representative

City of Hattiesburg
Mayor and City Council
Johnny L. DuPree, Mayor
Kim Bradley, President - Ward 1
Deborah Denard Delgado, Ward 2
Carter Carroll, Ward 3
Dave Ware, Vice President - Ward 4
Henry E. Naylor, Ward 5

Designated Members on the Hazard Mitigation Council:
Lisa Reid, CFM, Hattiesburg Urban Development Department
Justin Heskew, Historic Preservation Planner
Wayne Landers, Forrest General Hospital
Rodney Gresham, Wesley Medical Center
Glenn and/or Roman Galey, South Group Insurance Services

City of Petal
Mayor and Board of Aldermen
Hal Marx, Mayor
David Clayton, Ward 1
Steve Stringer, Ward 2
James Runnels, Ward 3
Tony Ducker, Ward 4
Craig Bullock, Aldermen-at-Large

Designated Member(s) on the Hazard Mitigation Council
Joe Hendry, Fire Chief
Brad Amacker, Petal School District
Steve Hampton, Petal School District
Beth Johnson, Retired, Emergency Management District

The Emergency Management District
Emergency Management Council
Billy Magee, Forrest County Sheriff – Council President
Wayne Landers, Forrest General Hospital Public Safety Chief – Vice-President
Frazier Bolton, Hattiesburg Police Department – Secretary/Treasurer
David Webster, Hattiesburg Fire Department
Rodger Jackson, University of Southern Mississippi
Wade Spruill, AAA Ambulance Service Director
John Freeman, Representative At Large
Terry Steed, Emergency Management District Director
Sandie Ethridge, Administrative Officer
Jerry Evans, Council Attorney

Designated Member(s) on the Hazard Mitigation Council:
Kyle Hopkins, Operations Officer

2. Plan Approach

Plan Process and Public Involvement

The 2013 Multi-Jurisdictional Hazard Mitigation Plan was developed in an effort to address multiple hazard threats that could affect Forrest County and all cities and communities within the County. The process to develop this plan was done over a 1 ½ year period beginning in 2011 that included the update of a Hazard Mitigation Council. This Council was formed by resolution of each participating jurisdiction in 2012 and public hearings were held in 2012 and 2013. Copies of the resolutions from Forrest County, the City of Hattiesburg and the City of Petal are attached as Appendix A. The Emergency Management District does not have boards that would enact such actions; therefore, their participation was not done by resolution.

Involvement from Participating Jurisdictions

The Committee determined early in the process that the most expedient way to proceed was to divide the responsibilities of the planning elements among the participating jurisdictions. The City of Hattiesburg, City of Petal and Forrest County representatives gathered updated development information and statistics and met with various stakeholders. The Emergency Management District gathered history of past events, and Forrest County started the data entry, maintenance and mapping of all gathered information.

The Forrest County Planning Department did additional data collection and developed the plan with assistance from the City of Hattiesburg and with input from members of the Hazard Mitigation Council. The process of completing the plan was recommended through guidelines set forth through 44 CFR Parts 201 and 206.

Local Agencies

- Agriculture Dept Forrest/Perry County
- American Red Cross
- Area Development Partnership
- Army National Guard
- AAA Ambulance Service
- American Disability Act
- Bell South
- Comcast Cable
- Forrest County Extension Service
- Forrest County Board of Supervisors
- Forrest County School District
- Forrest County Road Manager
- Forrest County Tax Assessor
- Forrest County Sheriff's Office
- Forrest County DHS
- Forrest General Hospital
- Forrest Co Maintenance
- Forrest County Planner
- Forrest County Supervisor Dist 4
- Forrest County Business Leader
- Forrest County Health Dept
- Forrest County VFD
- Greater Hattiesburg Home Association
- Hattiesburg School District
- Hattiesburg Urban Development
- Hattiesburg Mass Transit
- Hattiesburg City Attorney
- Hattiesburg City Forester
- Hattiesburg Councilwoman
- Hattiesburg Fire Department
- Hattiesburg Neighborhood Programs
- Hattiesburg Recreation
- Hattiesburg Water
- Hattiesburg CRS
- Hattiesburg Bldg/Maintenance
- Hattiesburg Police Department
- Hattiesburg Engineering
- Hattiesburg Citizen
- Hattiesburg MPO
- Hattiesburg GIS
- Hercules Corp
- MEMA
- Mississippi Power Company
- Mississippi Fisheries and Parks
- Mississippi Tank Co
- MDOT
- Media
- Neel – Schaffer, Inc.
- Pat Harrison Waterway District
- Pearl River Community College
- Pearl River Valley EPA
- Petal Police Department
- Petal School District
- Petal Fire Department
- Petal, City of
- Petal Dome Storages
- Railroad
- Resinall Corp
- Salvation Army
- Shows, Dearman & Waits
- South MS Electric PA
- Sunbeam-Oster
- The Emergency Management District
- United Way of SE MS
- USM
- Water Association
- Wesley Medical
- Willmut Gas
- William Carey College
- Zeon Chemicals

Neighborhood Associations

- Arcadia-Sunset
- Arledge Subdivision
- Avenues
- Audubon-Kirkwood Park
- Audubon-Westwood
- Baywood Cove Homeowners
- Briarfield Apts.
- City Park Circle
- Concerned Citizens of Palmer's Crossing
- Classic Drive/Country Club Lane
- Country Club Lake Estates Homeowners
- Duane-Myrtle
- Dixie Community
- East Jerusalem Enhancement
- Grace Avenue-Northhills Dr.
- Historic Hattiesburg Downtown Association
- Hattiesburg Historic Neighborhood
- Hope Drive
- The Highlands
- Innswood Homeowners
- Irene Chapel
- Jamestown-Lincoln
- Kamper Avenues
- Katie-John-Dabbs
- Lilac Estates
- Lincoln Road-South 28th Ave.
- Longstreet
- Midway Subdivision
- Mobile-Bouie Neighborhood
- Mt. Olive-Tatum-Lillie Burney
- Newman-Buschman Neighborhood
- North Main Historic District
- Oaks Historic District
- Parkhaven Neighborhood
- Pinehills Neighborhood Assn
- Pinehurst Neighborhood
- Robertson Place
- Southern Heights
- The Cottages at Turtle Creek
- The Height-Avenues
- Timberton Property Owners Association
- Timberton Park Neighborhood
- Unified Neighborhood Assn.
- University Heights
- Westgate Neighborhood
- Woodhaven Lake Estates

Hazard Mitigation Council

Hazard Mitigation Council gained input from different segments of the community that included citizens, public officials, stakeholders and other interested groups. Appendix B, Hazard Mitigation Council Meeting Sign-in Sheets; Appendix C, Public Hearings; and Appendix D, Survey Instrument and Critical Facility Questionnaire further demonstrate the process used in developing this plan. Table 2 –1 Public Hearing Data shows dates, locations and purposes of public hearings. The committee meeting dates and purposes are listed in Table 2 – 2, Hazard Mitigation Council Meetings.

All meetings held during the planning process focused on but were not limited to the following: assessing hazards, completing hazard profiles, distributing and collecting questionnaires, and completing neighborhood/critical facility profiles. A preliminary draft document was then presented to Boards, Mayors, Aldermen and Council in October 2012. Revisions to the preliminary draft document were made later in October, 2012. A draft of the plan was submitted for FEMA approval in August 2013.

Public notices were placed in the local newspaper on August 15, 2012 in the legal section and on September 12, 2012 in a block ad in the non-legal section. Proofs of publication and public hearing data are located in Appendix C. A public hearing was held on September 25, 2012.

Table 2 –1, Public Hearings, Hazard Mitigation Plan 2012 – 2018

Date	Time	Organizations	Location	Purpose of Public Hearings
8/28/2012 Cancelled	6:00 PM	All Three Jurisdictions	Hattiesburg Intermodal Facility	Draft Plan
9/25/2012	6:00 PM	All Three Jurisdictions	Hattiesburg Intermodal Facility	Draft Plan
September 2013	6:00 PM	Forrest County	Board Room	Final Plan
September 2013	4:00 PM	City of Hattiesburg	City Council Room	Final Plan
September 2013	10:00 AM	Forrest County	Board Room	Final Plan

Table 2 –2, Multi-Hazard Mitigation Planning Committee Meetings – Updated Plan

Date	Time	Purpose
6/27/2008	1:00 PM	Bi-Annual Review Meeting at Chancery Building
1/3/2012	2:00 PM	Work Session to Discuss Updating Plan
2/28/2012	10:00 AM	First Mitigation Strategy Meeting - Review Goals and Review Possible Activities
7/26/2012	10:00 AM	Second Mitigation Strategy Meeting - Characterize and Evaluate Initiatives and Analyze Strategies.
8/28/2012	2:00PM	Public Hearing – Postponed due to Hurricane Isaac
9/25/2012	3:30 PM	Public Hearing on Draft Plan/Discussion with Plan with Hazard Mitigation Council Members
2/1/2013	9:00 AM & 10:30 AM	Third Mitigation Strategy Meeting with Cities and County to Review Chapter 5 of Draft Plan
3/28/2013	4:00 PM	Final Mitigation Strategy Meeting with Hazard Mitigation Council
4/9/2013	4:00 PM	Final Hazard Mitigation Council Review of Draft Plan
October 2013	TBD	Public Hearing to receive public input and comments on Draft Plan.

Data Compilation and Analysis

This plan is a combined effort of Forrest County, the City of Hattiesburg, the City of Petal and the Emergency Management District. Each participating jurisdiction has plans and reports that were reviewed by the Hazard Mitigation Council during the drafting of the plan. These documents specifically include the following:

- City of Hattiesburg – Comprehensive Plan, Zoning Ordinance, Subdivision Ordinance, Floodplain Ordinance, Stormwater Ordinance, Disaster Preparedness Plan, MPO Transportation Plan, Building Codes.

- City of Petal – Comprehensive Plan, Zoning Ordinance, Subdivision Ordinance, Floodplain Ordinance, Stormwater Ordinance, Disaster Preparedness Plan, MPO Transportation Plan, Building Codes.

- Forrest County – Subdivision Ordinance, Floodplain Ordinance, Stormwater Ordinance, Disaster Preparedness Plan, MPO Transportation Plan.

- Emergency Management District – CEMP, Disaster Preparedness Plan, MPO Transportation Plan.

A number of different sources were used to compile the table and charts included in this plan. Data was obtained from the National Oceanic and Atmospheric Organization (NOAA), the National Hurricane Center, United States Geologic and Soil Service (USGS), Central United States Earthquake Consortium (CUSEC) and other public agencies. Forrest County was responsible for data entry research and map creation, while the City of Hattiesburg distributed hazard mitigation materials, coordinated the meetings and compiled survey results. These surveys consisted of critical facilities profiles, organization information and vulnerability assessments. A copy of these forms is behind Appendix D: Survey Instrument and Critical Facility Questionnaire. Emergency Management played a key role in providing research and previous storm data, with correspondence to business and agencies.

3. Hazards and Vulnerability Analysis

Overview

Planning Area

Forrest County is located in the southeast Mississippi approximately sixty (60) miles from the Mississippi Gulf Coast and approximately ninety (90) miles from the state capital of Jackson. Forrest County encompasses 467 square miles and extends approximately 36 miles north to south and 18 miles east to west at the widest points. Forrest County's 2010 population was 74,934 that equates to approximately 160 people per square mile. The 2012 Census estimate shows an increase of population to 76,894. This marks an increase of 0.6%. Forrest County is bounded by Lamar and Pearl River counties to the west, to the north by Jones and Covington counties, to the east by Perry County, and to the south by Stone County. See Map 3 – 1.

Forrest County is located near the center of the southeast portion of Mississippi. The City of Hattiesburg is the county seat and is known as the "Hub City" because of its strategic location between New Orleans, Louisiana; Mobile, Alabama; Gulfport, Mississippi; and Jackson, Mississippi. The County is well served with a transportation network that includes one interstate highway and three U.S. highways. Interstate 59 is a north-south route that enters the County from Pearl River County to the southwest and runs in a northeasterly direction through Forrest County into Jones County to the north. U.S. Highway 49 bisects Forrest County from the southeast corner of the County to the northwest corner. U.S. Highway 11 is also a north-south route, while U.S. 98 is an east-west route. State Highways 42 and 13 are both east-west routes. Highway 42 is in the northern most portion of the County while Highway 13 is in the southern most portion of the County.

Current Conditions

Existing Land Uses

According to the Forrest County Soil and Water Conservation District, Forrest County is comprised of several major soil types that include: McLaurin, Prentiss, and Heidel. These soils support 200,000 acres of forestry, 22,500 acres of cropland, 40,000 acres of pastureland, and 37,500 acres of urban areas.

The land use in Forrest County includes high density areas in the northern portion of the county in the urbanized areas of the City of Hattiesburg and the City of Petal. Other urban land use areas of Forrest County include the Rawl Springs and Glendale neighborhoods in the northern area of the county. Other areas of Forrest County are very rural in nature and have very low density residential and agricultural land uses. In the central area of Forrest County is the Dixie community and in the southern area are

the Brooklyn and Maxie communities. The Emergency Management District's responsibilities cover all of these urban and rural areas.

The majority of residential developments in the unincorporated areas of Forrest County are located in the urbanized area around the City of Hattiesburg and the City of Petal. Map 3 – 15, Residential Developments reflects these new subdivisions in the northern part of the county.

The City of Hattiesburg has low, medium and high density residential and commercial land uses. The higher density developments are generally along major arterials and the lower density residential and commercial land uses are along local and collector arterials. Neighborhood associations located throughout Hattiesburg are shown in Map 3 –14. Agricultural land use is located along the floodplain properties on the east part of the City. Industrial land use is mostly located in the Industrial Park in the southern area of the City and in some portions adjacent to the agricultural land along the east side of Hattiesburg.

The City of Petal is mostly comprised of a mixture of single family residential, commercial and educational institutions. A 2004 study done by Neel-Schaffer, Inc. yielded the following land use classifications:

- Agricultural
- Single-Family Residential
- Multi-Family Residential
- Mobile Homes
- Commercial
- Industrial
- Public Facilities
- Educational
- Recreational
- Cemetery
- Religious
- Emergency Services
- Utilities
- Undeveloped

A majority of new commercial land use is heavily concentrated along the Evelyn Gandy Parkway. These developments range from large commercial centers to medical offices and local banks. Table 3 - 1, City of Petal Existing Land Use and Vacant Land Analysis shows each classification, the acreage, and the percentage of the total acreage.

Existing Zoning

Map 3 – 3, City of Hattiesburg Zoning shows the zoning classifications and distribution of the classifications. The majority of the regional commercial zoning is along major transportation corridors. The zoning map also reflects neighborhood commercial zoning adjacent to residential areas. Map 3 – 14, City of Hattiesburg Neighborhood Associations has 27 neighborhoods and their location in the City.

Map 3-2 depicts the City of Petal has zoning. Similar to the City of Hattiesburg, the City of Petal has commercial zoning in areas along major transportation routes with lighter commercial areas adjacent to residential areas. The unincorporated areas of Forrest County do not have zoning.

Table 3 –1, City of Petal Existing Land Use and Vacant Land Analysis

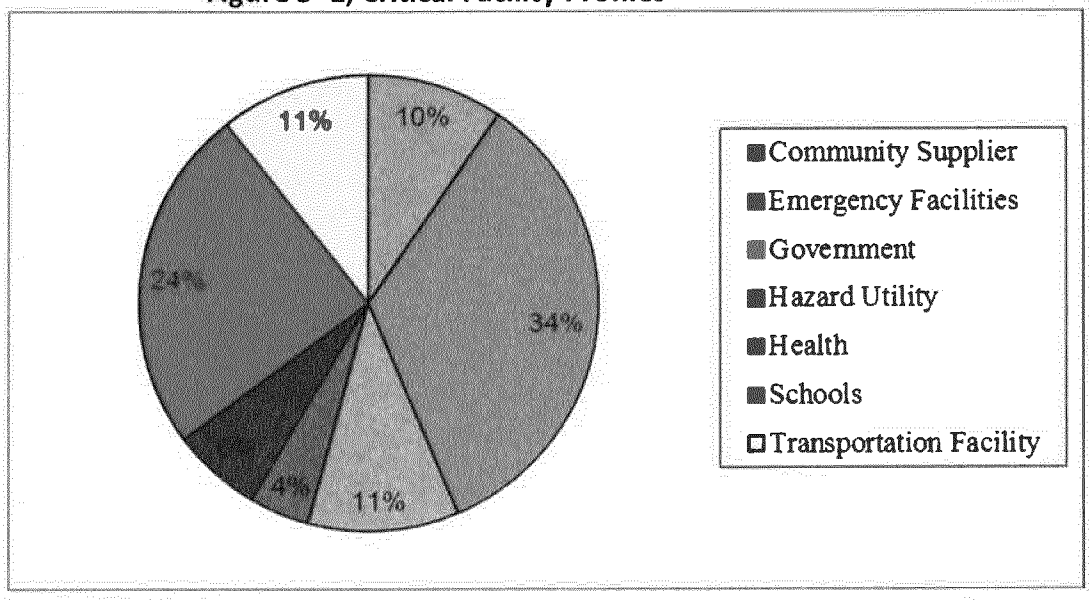
Land Use	Acreage	% Of the Total Acreage
Agricultural	308.15	2.95%
Single-Family Residential	3,748.64	35.91%
Multi-Family Residential	34.25	0.33%
Mobile Homes	241.67	2.31%
Commercial	565.19	5.41%
Industrial	150.12	1.44%
Public Facilities	21.72	0.21%
Educational	52.62	0.50%
Recreational	42.63	0.41%
Cemetery	24.29	0.23%
Religious	98.66	0.95%
Emergency Services	3.96	0.04%
Utilities	11.58	0.11%
Undeveloped	5,135.98	49.20%
Total	10,439.46	100.00%

Source: Neel-Schaffer, Inc., 2004

Existing Vulnerable Buildings, Infrastructure and Critical Facilities

Critical Facilities are defined for the purpose of this document as those facilities essential to the preservation of life and property during a disaster and or those facilities critical to the continuity of government as well as those necessary to ensure timely recovery. Figure 3 –1, Critical Facility Profiles reflect seven categories that critical facilities are classified. The two largest percentages are Emergency Facilities at 34% and Schools at 24%. Refer to Appendix N for Critical Facilities Vulnerability Assessments.

Figure 3 -1, Critical Facility Profiles



Source: Critical Facility Profile Survey, 2003. Updated: August 2013.

Vulnerable Historic and Cultural Features

Historic properties provide aesthetic as well as economic benefits to communities. The act of preserving these properties is referred to as historic preservation. Historic preservation brings people in a community together in an effort to restore and/or maintain community heritage. Historic Preservation is not only limited to buildings and monuments, but also cultural resources. These resources are items such as artwork or artifacts. According to 36 CFR Part 800.16[1] [1], a historic property is defined as a any prehistoric or historic district, site, building, structure or object included or eligible for inclusion in the National Register of Historic Places. The Secretary of the Interior maintains the National Register.

There are fifteen locations in Forrest County that are on the National Register of Historic Places. Approximately ten of the fifteen are located in the City of Hattiesburg with six of them in historic districts. Refer to Map 3-4, City of Hattiesburg National Register Historic

Districts for a spatial representation of these properties. The remaining five properties are in Forrest County, two of which are at Camp Shelby. The Table 3 –2, Forrest County Properties on the National Register of Historic Places lists all the properties in the County with the date of designation to the National Register.

Table 3- 2, Forrest County Properties on the National Register of Historic Places

Location	Date of Designation
Beverly Drive-In Theatre	30-Jul-08
Building 1071, Camp Shelby Hattiesburg Vic.	2-Sep-97
Building 6981, Camp Shelby Hattiesburg Vic.	11-Jun-92
Burkett's Creek Archaeological Site Hattiesburg	14-Apr-00
East 6th Street U.S.O. Club	6-Apr-04
Eaton School	16-Jul-08
Hattiesburg Historic Neighborhood District Hattiesburg	17-Sep-80, Boundary Increase 8-Sep-02
Hub City Historic District	29-Aug-80
Hub City Historic District (Boundary Increase)	9-Aug-02
Hub City Historic District (Boundary Increase II)	09-Nov-12
Meador Homestead	5-Nov-10
New York Hotel Fruitland Park	8-Apr-99
North Main Street Historic District Hattiesburg	16-Apr-93
Oaks Historic District Hattiesburg	4-Mar-93
Old Hattiesburg High School Hattiesburg	29-May-87
Parkhaven Historic District Hattiesburg	9-Aug-02
Saenger Theater Hattiesburg	29-May-79
Tall Pines Hattiesburg	16-Oct-80

U.S. District Courthouse Hattiesburg	18-Sep-73
U.S. Post Office (MS Post Offices 1931-31 TR) (F) Hattiesburg	21-Apr-83
University of Southern Mississippi District	10-Mar-2010

Source: MS Department of Archives and History, 2008. Updated August 2013.

Description of Individual Hazards

The following are hazards that were evaluated by the Hazard Mitigation Plan:

- Dams
- Drought and Extreme Heat
- Earthquakes
- Floods and Flash Flooding
- Hail
- Hazardous Material Accidents
- Hurricanes, Tropical Storms and High Winds
- Power Failure
- Terrorism
- Thunderstorms and Lightning
- Tornados and Funnel Clouds
- Transportation Incident/Accidents
- Urban and Wildfires
- Winter Storms

Due to the geographical location and the history of Forrest County, the following hazards were not included in the Hazard Mitigation Plan:

- Coastal Erosion
- Expansive Soils
- Land Slides and Land Subsidence
- Snow Avalanches
- Tsunami Events
- Volcanoes

Historical Occurrence

Since 1957, Forrest County has experienced 323 hazardous events from floods and flash flooding; hail; hurricanes, tropical storms and high winds; thunderstorms and lightning; tornados and funnel clouds with a total of $6.3 billion in damages. Table 3 –3, Summary of Hazard Historical Occurrence Since 1957 shows these major hazards that have affected Forrest County.

Table 3 –3, Summary of Hazard Historical Occurrence Since 1957

Hazard	Number of Occurrences	Amount of Damage
Floods and Flash Flooding	97	40,318,000
Hail	146	5,808,000
Hurricanes, Tropical Storms and High Winds	18	5,908,000,000
Thunderstorms and Lighting	298	4,090,000
Tornados and Funnel Clouds	33	33,140,000

Source: NOAA, 2012. Updated August 2013.

Dams

Dam failure is the uncontrolled release of impounded water resulting in downstream flooding. There have been no records that indicate a dam failure in the Forrest County area in recent years. In 1983 Forrest County, and particularly the City of Hattiesburg, experienced a 500-year (flash) flood that resulted in the failure of a dam just outside the city limits in Lamar County that impacted Hattiesburg. No deaths resulted in this failure but the loss of property was major. Refer to Table 3-4 shows high hazard dams that are located in our planning area.

Table 3-4, High Hazard Dams (Source: Emergency Management District, 2006.)

Jurisdiction	Name	Area	Contact
Hattiesburg	Lake Sehoy	Off Classic Drive	University of Southern Mississippi
Hattiesburg	Larid's Lake	Oak Grove Road	Lakeshore Homeowners Association
Petal	Trailwood Lake	Trailwood Subdivision	Truman Roberts
Forrest County	Lynn Cartlidge Lake	Longleaf Subdivision	Lynn Cartlidge
Petal	C.E.R. Investments, Inc. Dam	Tropical Gardens	C.E.R. Investments, Inc.
Hattiesburg	40th Place Lake	South 40th Ave.	David Bomboy
Hattiesburg	Priest's Lake	Off of Veterans Memorial Drive	Timberton Subdivision
Forrest County	Geiger Lake	Johnson State Park	State of Mississippi
Forrest County	Ed Turner Lake	Off of Richburg Road	Ed Turner
Forrest County	Girl Scout Lake	Camp Itta Kana Road	Gulf Pines Girls Scouts
Hattiesburg	Hattiesburg Lagoon	Off of East Hardy	City of Hattiesburg
Forrest County	Elks Lake	Off of Elks Lake Road	Elks Club
Forrest County	Sportsman Club Lake	Sportsman Lake Road	Not available

Drought and Extreme Heat

Drought is a prolonged period with no rain, particularly during the planting and growing season in agricultural areas. Droughts can also affect urban areas particularly those that depend on reservoirs for their water. Over the last 25 years Forrest County has experienced several droughts that have resulted in crop damage and low water tables.

Extreme heat is unusually persistent dry weather that continues enough to cause serious problems such as crop damage and/ or water supply shortages. Droughts are normally accompanied by heat waves, which are periods of excessive heat often combined with excessive humidity. This hazard can result in human illnesses and even death as a result of the heat. Mississippi has experienced eight major droughts over the last 60 years. These drought events, which have affected Forrest County and the entire state include:

1940 - 1944

- Affected the entire state
- Resulted in stream flow deficits ranging from 15 to 25 years in the southern portion of the state
- Stream flow deficits were determined to have recurrence intervals exceeding 50 years in the northern portion of the state

1951 - 1957

- Affected all except the extreme southern portion of the state
- Resulted in minimum stream flows and the beginning of substantial irrigation projects throughout the state.
- Resulted in increase in the state's production of wells to a peak of around 450 per year in 1955.

1962 - 1971

- Affected the entire state
- Resulted in severe drought conditions in a large portion of the state
- Stream flows receded to minimum discharge levels

1980 - 1982

- Record high temperatures were blamed for approximately 135 deaths across the state
- Rainfall deficiencies had a devastating effect on crop production

1983

- Covered the entire state
- Resulted in eleven heat related deaths

- Fifty-two counties were declared disaster areas

1995

- Affected the entire state
- Fifty counties declared disaster areas

1999

- From March 1, 1999 through November 18, 1999, the state experienced extreme drought conditions and excessive heat
- 81 of Mississippi's 82 counties received some form of disaster designation. Hancock county was the only county ineligible for assistance

2010

- Excessive heat from August 1, 2010 until August 4, 2010.
- 47 of Mississippi's 82 counties were affected by this event.
- Resulted in three fatalities in the affected counties.

Earthquakes

An earthquake is the sudden motion or trembling of the ground produced by abrupt displacement of rock masses, usually within the upper 10 to 20 miles of the earth. An earthquake in Forrest County is a rare occurrence. Most activity has been from aftershocks from distant quakes with no record of epicenters within the county. The most severe earthquake in the U.S. history was on the New Madrid Fault in mid-December 1811, which leveled every building within a 50,000-sq. mi. area from its epicenter of New Madrid, Missouri. The Mississippi River tossed from its banks and onto the hillsides, which swept away entire forests. The quake, actually a series of 2,000 tremors lasting more than three months, was felt throughout the lower half of the continent including south Mississippi. The four shocks that occurred were strong enough to move northern Mississippi at damaging intensities and were felt throughout the state. The Mississippi River ran backwards for three days filling what is known as Reel Foot Lake in Tennessee. Map 3 – 17, Area Earthquake Probability is attached for review. The information in the map was computed from the source model of the 2008 USGS-National Seismic Hazard Mapping Project (NSHMP) update.

Appendix G, Earthquake Occurrence in Mississippi shows earthquakes that have occurred in Mississippi since 1853. The majority of these earthquakes have occurred in Clarke County, in the delta region, and along the coastal area.

Floods and Flash Flooding

Floods and flash flooding is a general and temporary condition of partial or complete inundation of normally dry land from the following: (a) overflow of inland waterways; (b) unusual or rapid accumulation of runoff of surface waters; (c) mudslides/mudflows

caused by accumulation of water; and (d) a situation in which rainfall is so intense and severe and runoff so rapid that it precludes recording and relating it to stream stages and other information in time to forecast a flood condition.

Flood producing storms may occur any month of the year; however, they are more prevalent during the winter and spring months. Past records show that floods have occurred in the Forrest County area during the months of December, January, February, March, April, and May. Hurricane related flooding would most likely occur from June 1 through November 30, the recognized hurricane season. Table 3 – 5, Flood Occurrence shows different floods that occurred in the jurisdictions by year, feet, deaths, injuries, and total cost of property damage.

Table 3 – 5, Flood Occurrence

Jurisdiction	Year	Number of Feet	Number of Deaths	Amount of Property Damage
Forrest	1961	31.53	0	n/a
Hattiesburg	1974	34.03	0	2,600,000
Hattiesburg	1980	29.53	0	1,300,000
Hattiesburg	1983	29.19	3	32,000,000
Hattiesburg	1987	24.85	0	n/a
Hattiesburg	1991	22.44	0	n/a
Hattiesburg	1993	n/a	0	n/a
Hattiesburg	1993	21.17	0	500,000
Hattiesburg	1994	22.37	0	n/a
Hattiesburg	1995	n/a	0	20,000
Forrest	1997*	21.84	0	n/a
Hattiesburg	1998*	n/a	0	500,000
Hattiesburg	1998	21.34	0	50,000
Forrest	1999*	n/a	1	500,000
Forrest	1999*	n/a	0	n/a
Hattiesburg	2001	n/a	0	n/a
Forrest	2001	n/a	0	n/a
Hattiesburg	2001	n/a	0	n/a
Forrest	2001	25.13	0	n/a
Forrest	2001	n/a	0	n/a
Forrest	2001	n/a	0	6,000
Petal	2001	n/a	0	25,000
Hattiesburg	2001	n/a	0	100,000
Forrest	2001	n/a	0	n/a
Hattiesburg	2001	n/a	0	n/a
Petal	2002	n/a	0	1,000
Hattiesburg	2003	n/a	0	30,000
Hattiesburg	2003	n/a	0	1,000
Forrest	2003*	21.3	0	n/a

Forrest	2003	n/a	0	10,000
Hattiesburg	2003	n/a	0	20,000
Hattiesburg	2004	n/a	0	45,000
Hattiesburg	2004	n/a	0	300,000
Hattiesburg	2004	n/a	0	2,000
Hattiesburg	2004	n/a	0	n/a
Forrest	2005*	n/a	0	40,000
Forrest	2005*	n/a	0	100,000
Forrest	2005*	n/a	0	300,000
Hattiesburg	2008	n/a	0	600,000
Forrest	2009	n/a	0	200,000
Forrest	2009	n/a	0	50,000
Forrest	2009	n/a	0	400,000
Forrest	2009	n/a	0	200,000
Forrest	2009	n/a	0	15,000
Hattiesburg	2009	n/a	0	2,000
Forrest	2009	n/a	0	5,000
Forrest	2009	n/a	0	10,000
Hattiesburg	2010	n/a	0	25,000
Petal	2010	n/a	0	25,000
Hattiesburg	2011	n/a	0	1,000
Forrest	2011	n/a	0	250,000
Forrest	2011	n/a	0	20,000
Forrest	2011	n/a	0	5,000
Forrest	2011	n/a	0	10,000
Forrest	2011	n/a	0	50,000
Forrest	2012	n/a	0	5,000
Hattiesburg	2012	n/a	0	n/a
Hattiesburg	2012	n/a	0	50,000
Forrest	2012	n/a	0	50,000
Hattiesburg	2012	n/a	0	6,000
Hattiesburg	2012	n/a	0	20,000
Forrest	2013	n/a	0	100,000
Forrest	2013	n/a	0	n/a
Total				**40,549,000**

Source: NOAA and the Emergency Management District, 2012 and 2013.
Notes: N/a - not available
* - flash flooding

Hail

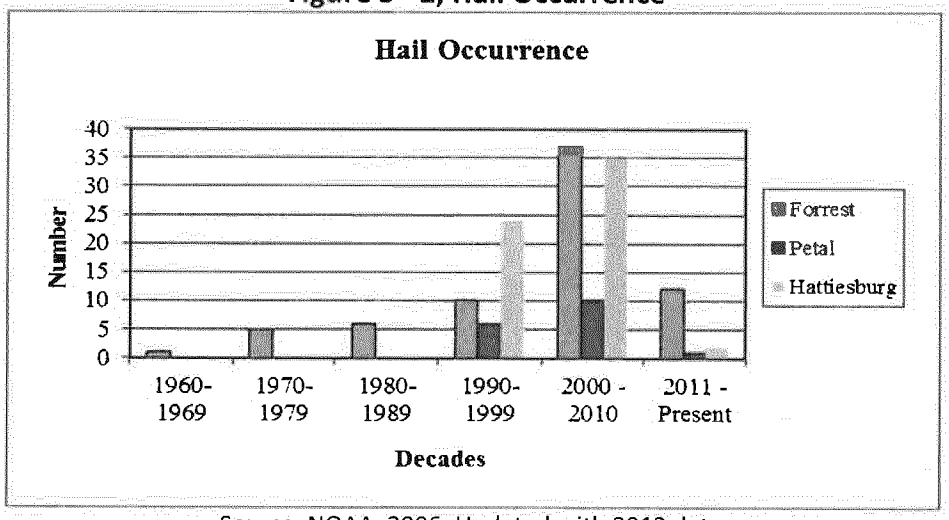
Hailstorms develop from thunderstorms. Hailstorms occur in most cities and towns across the United States. This form of severe weather is more prevalent in the Midwestern states. Hailstorms cause almost $1 billion dollars of property and crop damage each year. Hailstorms are formed in the inside of a thunderstorm that contains strong updrafts of warm air and downdrafts of cold air. These droplets are then carried back and forth between warm and cold air adding another layer of ice each time. After

the addition of many layers of ice, it falls to the ground as hail. The size of hail is difficult to estimate. NOAA provides the following chart to give an estimate of size:

- Pea = 1/4 inch diameter
- Marble/mothball = 1/2 inch diameter
- Dime/Penny = 3/4 inch diameter - hail penny size or larger is considered severe
- Nickel = 7/8 inch
- Quarter = 1 inch
- Ping-Pong Ball = 1 1/2 inch
- Golf Ball = 1 3/4 inches
- Tennis Ball = 2 1/2 inches
- Baseball = 2 3/4 inches
- Tea cup = 3 inches
- Grapefruit = 4 inches
- Softball = 4 1/2 inches

Figure 3-2, Hail Occurrence, shows the amount of hail damage for participating jurisdictions. There have been 105 occurrences since 1960 with estimated amount of damage at 5.95 million dollars. There is no method to accurately determine if an upcoming thunderstorm has the probability of producing hail. Weather experts use radar to determine hail in storms based off its reflection. Forrest County and other participating jurisdictions will address future hail occurrences by utilizing the local media, NOAA radios, SKYWARN Weather Spotters and information from local emergency officials. Appendix H: Hail History 1965 – Present shows the detail history of this hazard.

Figure 3 - 2, Hail Occurrence



Source: NOAA, 2006. Updated with 2013 data.

Hazardous Material Accidents

Hazardous materials (fixed facility) are the uncontrolled release of materials from a fixed site. Hazardous materials transportation is the uncontrolled release of hazardous materials during transport. Hazardous materials incidents in Forrest County, the City of Hattiesburg and the City of Petal areas have increased considerably in the last 10 years with the population growth. Incidents of varying severity have occurred in all participating jurisdictions, involving both fixed facility and transportation. Most of the incidents have been restricted to small areas and did not affect large segments of the public or property, however, some incidents have occurred which affected several thousand residents and were responsible for moderate property damage. Radiological transportation incident is any incident that involves a transportation vehicle or shipment, containing radioactive materials. There have been no reports of radiological transportation incidents in Forrest County or participating jurisdictions.

Hurricanes, Tropical Storms and High Winds

Hurricanes are tropical cyclones, formed in the atmosphere over warm ocean areas, in which wind speeds reach 74 miles per hour or more and blow in a large spiral around a relatively calm center or "eye." Circulation is counterclockwise in the Northern Hemisphere and clockwise in the Southern Hemisphere.

In the last 100 years some 21 Hurricanes have either hit or affected the Mississippi Gulf Coast and adjacent inland counties. The worst and most recent hurricane to strike Mississippi was Katrina in 2005. A total of 238 people from Mississippi were killed from the effects of the storm with 1,844 total dead from Katrina. Forrest County and the cities of Hattiesburg and Petal experienced major timber and property damage from weather conditions as a result of hurricanes in the Gulf. These effects have included wind damage, tornado activity, lightening and flooding. In the hurricane of 1915, Forrest County experienced extensive flooding. Hurricane Camille in 1969 created great land damage, while Hurricane Frederic in 1979 spawned hundreds of tornadoes. Hurricane Andrew produced tornadic weather, while Hurricane Erin caused flash flooding from feeder bands coming on shore the day after the hurricane made landfall. Tables 3 - 6 and 3 - 7 show the category of the hurricanes, the magnitude by jurisdictions, dates, death, and total cost of property damages.

Table 3 – 6, Hurricanes, Tropical Storms and High Winds Occurrence

Forrest	Camille	8/17/1969	5	n/a	n/a	n/a	n/a
Forrest	Frederic	9/13/1979	3	n/a	n/a	n/a	n/a
Forrest	Elena	9/2/1985	3	n/a	n/a	n/a	n/a
Forrest	Georges	8/27/1998	2	0	0	2,800,000	n/a
Forrest	High Winds	12/16/2000	0 kts.	0	0	38,000	n/a
Forrest	T.S. Isidore	9/26/2002	50 mph.	0	0	500,000	n/a
Forrest	T.S. Bill	6/30/2003	n/a	0	0	100,000	n/a
Forrest	T.S. Bill	7/1/2003	n/a	0	0	100,000	n/a
Forrest	Ivan	9/16/2004	n/a	1	0	1,500,000	n/a
Forrest	T.S. Cindy	7/6/2005	n/a	0	0	150,000	n/a
Forrest	Dennis	7/10/2005	n/a	0	0	2,600,000	2,200,000
Forrest	Katrina	8/29/2005	4	8	104	5,900,000,000	1,500,000,000
Hattiesburg	High Winds	3/9/2006	n/a	0	0	1,000	n/a
Forrest	T.S. Fay	8/24/2008	n/a	0	0	n/a	n/a
Forrest	Gustav	9/2/2008	2	0	0	n/a	n/a
Forrest	T.S. Ida	11/10/2009	n/a	0	0	1,000	n/a
Forrest	T.S. Bonnie	7/23/2010	n/a	0	0	n/a	n/a
Forrest	T.S. Lee	9/5/2011	n/a	0	0	n/a	n/a
Forrest	High Winds	9/4/2011	35 kts.	0	0	3,000	n/a
Forrest	High Winds	9/5/2011	39 kts.	0	0	4,000	n/a
Forrest	Isaac	8/29/12	1	0	0	200,000	n/a
TOTAL				**9**	**104**	**5,907,996,000**	**1,502,200,000**

Source: NOAA, 2012. Updated 2013. Note: n/a - not available

Power Failure

Power failure is any interruption or loss of electrical service due to disruption of power generation or transmission caused by accident, sabotage, natural hazards, equipment failure, or fuel shortage. Such interruptions typically last for periods of a few seconds to several days. A "significant" power failure is defined as any incident that would require the involvement of the local Emergency Management organization to coordinate the distribution for the provision of food, water, ice, heating, etc. All of the participating jurisdictions have experienced power failures to some degree in past years. Tornadoes, winter storms, severe thunderstorms and hurricanes have all produced conditions that resulted in massive power failures. Hurricanes Camille, Frederic and Katrina all produced property and tree damage that caused extended periods of electrical outages.

Thunderstorms and Lightning

Thunderstorms can occur anywhere in the world and at any time of the day. All thunderstorms produce lightning and thunder. Some have the potential to produce damaging straight-line winds, large hail, heavy rain, flooding, and tornadoes. A thunderstorm is classified as **severe** when it contains one or more of the following phenomena: Hail 3/4" or greater; Winds gusting in excess of 50 knots (57.5 mph); Tornado(s).

Three basic ingredients are needed to make a thunderstorm. The basic fuel is moisture (water vapor) in the lowest levels of the atmosphere. The air above the lowest level has to cool off rapidly with height, so that 2-3 miles above the ground, it is very cold. Finally, something in the atmosphere must push that moist air from near the ground up to where the air around it is cold. This "something" could be a cold front or the boundary between where the cold air from one thunderstorm meets the air outside of the storm (called an outflow boundary) or anything else that forces the air at the ground together. When that happens the moist air is pushed up. It cools off and after a while, some of the water vapor turns into liquid drops (that are seen as clouds). That warms up the rest of the air in the blob so that it doesn't cool off as fast as it would if the air were dry. When that blob of air gets to the part of the atmosphere where it is very cold, it will be warmer and less dense than the air around it. Since it is less dense, it will start to rise faster without being pushed, just like a balloon filled with helium does. Then more water vapor turns into liquid in the blob, and the blob warms up more and rises even faster until all of water vapor is gone and the blob eventually reaches a part of the atmosphere where it isn't warmer than the environment (typically 5-10 miles).

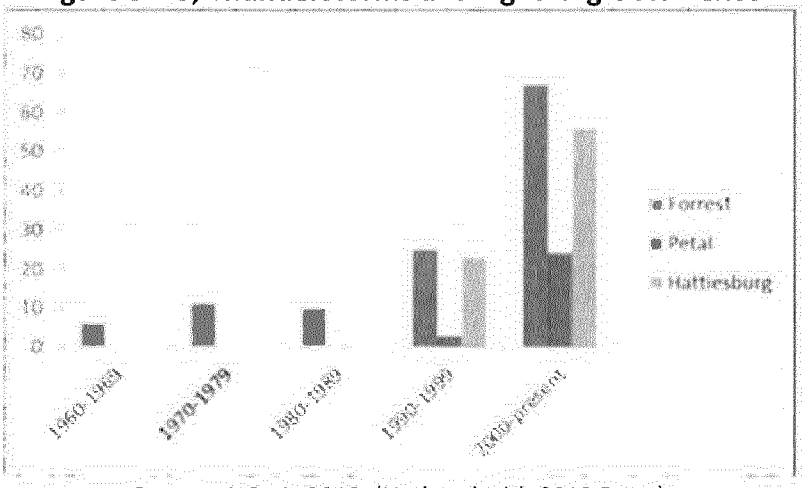
Table 3 – 7, Saffir – Simpson Hurricane Scale

Category	Winds MPH	Effects
1	74-95	Very dangerous winds will produce some damage. Well-constructed frame homes could have damage to roof, shingles, vinyl siding and gutters. Large branches of trees will snap and shallowly rooted trees may be toppled. Damage to Power lines and poles likely which result in outages.
2	96-110	Well-constructed frame homes could sustain major roof and siding damage. Other damage includes but not limited to: trees uprooted which will cause road blockage and near total power loss
3	111-129	Devastating damage will occur and includes the following: well-built framed homes may incur damage or removal of roof decking and gable ends; trees will be snapped or uprooted; blocking numerous roads; electricity and water will be unavailable for several days to weeks after the storm passes.
4	130-156	Catastrophic damage will occur. Effects include: severe damage to homes; trees will be snapped and uprooted and power outages that can last up to a month.
5	>157	Catastrophic damage will occur. Effects include: destroyed homes; fallen trees and power poles and uninhabitable areas for weeks to months.

Source: NOAA, 2012.

Figure 3 – 3, Thunderstorm and Lightning Occurrence shows the number of thunderstorms and lightning in Forrest County since the 1960's. Annually, lightning strikes 400 people in the United States killing approximately 70 people and leaving many with permanent neurological disabilities. The last two decades have seen a significant rise in the number of these storms in Forrest County. Appendix F: Thunderstorm and Lightning History 1963 – Present shows the detail history of this hazard.

Figure 3 – 3, Thunderstorms and Lightning Occurrence



Source: NOAA, 2012. (Updated with 2013 Data.)

Tornados and Funnel Clouds

A tornado is an atmospheric storm, generally of short duration, formed by winds rotating at very high speeds, usually in a counterclockwise direction. The vortex, up to several hundred yards wide, is visible to the observer as a whirlpool-like column of winds rotating about a hollow cavity or funnel. Winds have been estimated in excess of 300 miles per hour. Tornado occurrence in South Mississippi is recorded for virtually every month of the year since record keeping began. Many sightings are reported every year. Confirmations are sometime difficult; however, enough sightings have been documented to know that tornadoes are a frequent occurrence in the Forrest County area. Refer to Tables 3-8 , 3-9 and 3-10 for the magnitude based on the Fujita scale and the frequency and amount of damage since 1957.

Table 3 – 8, Tornados and Funnel Cloud Occurrence

Forrest	5/2/1957	F1	0	0	n/a	n/a
Forrest	2/20/1961	F1	0	0	25,000	n/a
Forrest	12/12/1965	F1	0	0	n/a	n/a
Forrest	7/20/1966	F1	0	0	250,000	n/a
Forrest	5/24/1973	F1	0	0	3,000	n/a
Forrest	5/7/1975	F1	0	0	3,000	n/a
Forrest	5/7/1975	F2	0	0	250,000	n/a
Forrest*	3/28/1977	F2	0	0	250,000	n/a
Forrest*	3/28/1977	F2	0	0	25,000	n/a
Forrest	5/7/1982	F3	0	1	250,000	n/a
Forrest	12/11/1983	F1	0	0	250,000	n/a
Forrest	5/24/1992	F0	0	0	25,000	n/a
Forrest	3/9/1994	F1	0	0	50,000	n/a
Forrest/Hattiesburg	3/7/1995	F0	0	0	5,000	n/a
Forrest/Lumberton	3/7/1995	F0	0	0	2,000	n/a
Forrest/Carnes	2/19/1996	F1	0	0	100,000	n/a
Forrest/Carnes	4/17/1998	F0	0	0	5,000	n/a
Forrest/Hattiesburg	6/5/1998	F1	0	0	20,000	n/a
Forrest/Hattiesburg	4/14/1999	F0	0	0	n/a	n/a
Forrest/Hattiesburg	3/12/2001	F1	0	5	6,000,000	n/a

Forrest/Hattiesburg	1/7/2005	F1	0	0	125,000	n/a
Hattiesburg **	4/6/2005	n/a	0	0	n/a	n/a
Petal **	4/6/2005	n/a	0	0	n/a	n/a
Forrest/Hattiesburg	8/29/2005	F1	0	0	2,000	15,000
Hattiesburg **	3/20/2006	n/a	0	0	n/a	n/a
Forrest**	11/21/2007	n/a	0	0	0	n/a
Forrest	3/3/2008	F1	0	14	1,500,000	0
Forrest	5/15/2008	F1	0	0	700,000	500,000
Forrest	5/15/2008	F1	0	0	80,000	0
Forrest	9/4/2011	F0	0	0	1,000	0
Forrest	3/2/2012	F1	0	0	15,000	0
Forrest	3/21/2012	F0	0	0	20,000	0
Forrest	12/25/2012	F2	0	4	200,000	0
Forrest	2/10/2013	F3	0	63	25,000	0
TOTAL			**0**	**87**	**10,181,000**	**515,000**

Source: NOAA, 2006. Updated, 2013.

Notes: N/a - not available

* Storm occurring on same day but at different times and varying paths.

** Funnel cloud only.

Table 3 – 9, Fujita Tornado Damage Scale

F0	<73	**Light Damage.** Some damage to chimneys; branches broken off trees; shallow-rooted trees pushed over; signboards damaged.
F1	73-112	**Moderate Damage.** Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads.
F2	113-157	**Considerable damage.** Roofs torn off frame houses; mobile homes demolished; boxcars overturned; large trees snapped or uprooted; light-object missiles generated; cars lifted off ground.
F3	158-206	**Severe damage**. Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

F4	207-260	**Devastating damage**. Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated.
F5	261-318	**Incredible damage.** Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yds); trees debarked; incredible phenomena will occur.

Source: NOAA, 2006

Table 3 –10, Enhanced Fujita (EF) Tornado Damage Scale

EF0	65-85
EF1	86-110
EF2	111-135
EF3	136-165
EF4	166-200
EF5	Over 200

Source: NOAA, 2013

Transportation Incident/Accidents

Transportation Incident is an incident involving passenger air, ground or rail travel resulting in death or injury. Incidents involving transportation accidents in the participating jurisdictions have been enough in the past to warrant more than casual concern on the part of the emergency planner. The accidents that have occurred range anywhere from train derailments to auto accidents. Some of these did involve a release of a hazardous substance and required special response. Many of these incidents occurred outside cities and away from population concentrations, however, as the urbanized areas grow, the probability for transportation incidents increases. Numerous accidents involving transport trucks have been reported inside the city limits of Hattiesburg as well in the county areas, especially on I-59 and U.S. 49.

Urban and Wildfires

Urban fire is uncontrolled burnings in residential, commercial, industrial, institutional, or other properties in developed areas. Each participating jurisdiction has had their share of fire incidents. Residential and commercial fires have been the major areas of fire suppression. However industrial fires have occurred in both areas and through mutual aid these incidents have been controlled to the best of the capabilities of the fire departments.

Wildfire is any instance of uncontrolled burning in grasslands, brush or woodlands. The Forrest County area has experienced wildfire in the past. Due to the mass of forestland throughout south Mississippi, wildfire is not a stranger to this area. Forrest County has

experienced wildfire due to neglect and through the work of arson. Volunteer fire departments in the county have responded to wooded fires for numerous years.

Before Hurricane Katrina, wildfires would typically damage ten to fifty acres of land. Today, due to the tremendous amount of added fuel on the ground, the amount of land damaged could easily be fifty to two hundred acres. The Mississippi Forestry Commission, Emergency Management and the volunteer fire departments are working with the U. S. Forest Service to maintain control of this problem by implementing burn bans when necessary.

Winter Storms

Winter Storm includes ice storm, blizzards, and extreme cold. The National Weather Service characterizes blizzards as being combinations of winds in excess of 35 miles per hour with considerable falling or blowing snow which frequently reduces visibility to 0.25 miles or less.

The frequency of winter storms, in the Forrest County area, which result in problems to the community, is about once every 4 to 5 years. These storms have ranged in type and severity, from frozen rain and sleet, to snow and sub-freezing temperatures. The months of December, January, February, and March have in the past proved to be the most likely times of concern, however, an early April winter storm affected all participating jurisdictions in 1987. These storms are generally about 2 to 4 days in duration.

Magnitude and Severity of Impact

The magnitude and severity of the impact of the hazards affecting Forrest County and each participating jurisdiction were calculated using a ranking system. This assessment utilized information provided by each jurisdiction, data gathered by NOAA and associated agencies along with historical information collected from various sources. A description of the vulnerability assessment along with the scale for each is as follows:

Four Factors:

1. **Percent of geographic area affected by hazard.**
   N/A=O; 0-49 percent of area affected=2; 50-74 percent of affected area=4 and 75 percent and greater=6
2. **Amount of Property Damage.**
   No damage=0; Few properties damaged=2; Moderate amount of damage=4 and Many Properties damaged=6
3. **Environmental and Health Related Damage**
   No damage=0; Little damage with few injuries=2; Moderate damage that will require short term recovery efforts=4; Major damage that will require long term recovery and numerous fatalities and injuries=6
4. **Economic Impact**
   No cost=0; Little Cost=2; Moderate Cost=4; Major Cost=6

Based upon the scores of each factor listed above, the total was then multiplied by a probability of future occurrence. The probability of future occurrence scale is as follows:

Unknown or rare=0; Little or small chance of occurrence=2; Moderate amount of occurrences=4; Large amount of probable occurrences=6.

The formula used to determine level of risk used was:

VULNERABILITY X PROBABILITY OF FUTURE OCCUREENCE=LEVEL OR RISK

The level of risk for the jurisdiction fell within one of three categories. The categories per area can be found in Appendix E and in Table 3-10. The overall rating of risk can be found below:

- **0-20: Low Risk**
  There is minimal risk to the jurisdiction.
- **21-49: Moderate Risk**
  There is a moderate risk to the jurisdiction and some damage to property will occur along with few injuries.
- **50 and above: Major Risk**
  There is a high risk to the jurisdiction and a high probability of severe damage to property and high number of loss lives.

Table 3 – 11, Risk Assessment by Jurisdiction

Hazard	City of Hattiesburg	City of Petal	Forrest County
Dams	Major	Low	Low
Drought and Extreme Heat	Major	Moderate	Major
Earthquakes	Low	Low	Low
Floods and Flash Flooding	Major	Major	Major
Hail	Major	Major	Major
Hazardous Material Accidents	Major	Major	Major
Hurricanes, Tropical Storms, and High Winds	Major	Major	Major
Power Failure	Major	Moderate	Major
Terrorism	Major	Major	Major
Thunderstorms and Lightning	Major	Major	Major
Tornados and Funnel Clouds	Major	Major	Major
Transportation Incident/Accidents	Major	Major	Major
Urban and Wildfires	Major	Moderate	Major
Winter Storms	Low	Low	Low
Expansive Soils	Low	Low	Low
Land Slides and land substance	Low	Low	Low
Snow Avalanches	Low	Low	Low
Tsunami Events	Low	Low	Low
Volcanoes	Low	Low	Low

Source: Vulnerability Assessments of Hazard Mitigation Council, 2013.

Dams

While most dam owners have assumed responsibility for the safety of their structures with appropriate design, construction and maintenance, some have failed to provide and maintain for safe dams. A safe dam can become very susceptible during an earthquake or heavy rains that may exceed its design specifications resulting in the failure of the dam.

There are no recorded incidents of dam failure or breech of dams in Forrest County. In 1983 however, a dam in neighboring Lamar County failed causing a significant amount of damages in the City of Hattiesburg. Beginning in 2006, owners of lakes are required to have an Emergency Action Plan on file with the State of Mississippi and local emergency management office.

The high hazard designation means that in the event of a dam failure, there is possibility of loss of life and/or major property damage downstream as a result of the failure. In 1994, according to the State of Mississippi Inventory of High Hazard Dams, published by the Mississippi Department of Environmental Quality, Office of Land and Water Resources, Forrest County including the City of Hattiesburg within Lamar County had only one high hazard dam. Due to the population growth in Forrest County, as of 2006 Forrest County has thirteen high hazard dams as reflected in Table 3 - 4, High Hazard Dams.

Drought and Extreme Heat

Due to the agricultural and forestry industry in both Forrest County, even a minor drought could affect the products of those industries. Since droughts are often widespread the severity of a major drought could have a devastating economic impact on the citizens in the participating jurisdictions. The likelihood of a drought in south Mississippi is a possibility, but due to the proximity of Forrest County to the Gulf of Mexico and the moisture that exists, drought in not a frequent occurrence.

Earthquakes

An earthquake in Forrest County, City of Hattiesburg and the City of Petal would be limited to an estimated intensity of V on the Modified Mercalli Scale (4.0 - 4.9 on the Richter Scale).

Forrest County, the City of Hattiesburg and the City of Petal could be affected by earth tremors from the Arkansas River Fault Zone to the North and the New Madrid Fault zone to the West.

Floods and Flash Flooding

Flooding to some extent occurs in the Forrest County area virtually every year. Major floods have occurred approximately 14 times in less than 100 years. Floods are rated in severity by the rate of occurrence. A 20-year flood would be very minor and produce no appreciable damage. A 100-year flood produces major damage with evacuation needed. A 500-year flood produces major damage and evacuation is widespread.

Flooding related to river overflow is expected along major river drainage systems. Flash flooding of lesser drainage systems is also common as a result of heavy rains. Both types of flooding have typically occurred yearly and are expected to continue. Table 3 – 5, Flood Occurrence also shows the magnitude of flooding in Forrest County with the amount of property damage and number of deaths.

Hazardous Material Accidents

The impact of a hazardous material accident in this area is usually limited, but the potential exists for widespread life, property, and economic destruction. Interstate 59 and U.S. 49 and Highway 98 are major highways through Forrest County and the City of Hattiesburg for shipments of radioactive and other hazardous materials. Major areas for concern in an incident would be urban areas such as the City of Hattiesburg, or any other city along heavily traveled I-59 or U.S. 49.

Shipments of radioactive and other hazardous materials through the Forrest County area have become an everyday occurrence. With the growth of Hattiesburg and Petal, more and more shipments will be transported through our county.

Most occurrences will result in damage restricted to the incident site, but can involve widespread concern including evacuation, mass care, loss of life, and considerable property damage. Although hazardous materials incidents have occurred, the awareness of business and industry is good.

Hurricanes, Tropical Storms and High Winds

The impact of a hurricane on the community may be nothing more than to create public apprehension or may result in major property damage, injury, or death. Table 3 – 6, Hurricane, Tropical Storms and High Winds Occurrence shows the amount of property damage, number of person injured and number of fatalities.

The scope of damage will vary as to the size and intensity of the hurricane. The Safir/Simpson Scale defines hurricane intensity by categories 1 – 5. A detailed description of the scale is located in Table 3 – 7, Saffir – Simpson Hurricane Scale.

The hurricane season for Mississippi lasts from June 1 to November 30, with the most vulnerable months being August and September. The National Hurricane Center can and does release projected landfall points of hurricanes and issue hurricane watches and warning for areas that are threatened by these storms.

Power Failure

Power failure in the Forrest County area would hit the hardest in urban areas such as the City of Hattiesburg. Hospitals and emergency response agencies should have back up power for times of power failures. Power failure for any extended time could cause emergency situations throughout the County and the cities. Every severe weather system that affects Forrest County has a potential for extensive power outages. Transportation and fire incidents can also affect area electrical power.

Tornados and Funnel Clouds

Vulnerability to a tornado is nothing but high in any area prone to their occurrence. The impact may be as light as a few trees uprooted to widespread devastation of a catastrophic nature. This variability does affect the vulnerability. Table 3 – 8, Tornados and Funnel Cloud Occurrence shows the amount of crop and property damage and injured.

Tornado strength and the time a tornado stays in contact with the ground are both variables. Even the smaller magnitude tornados are damaging. In 1983, 21 tornadoes were confirmed with damage in Mississippi. Of these 21, nine were within 100 miles of the Forrest County area and many were sighted. According to national figures, south Mississippi has confirmed over 100 tornadoes in the last 50 years. Tornado probabilities change from month to month. The peak months in South Mississippi are from February through June, however tornadoes can and do occur in any month of the year. The last major tornado hit Forrest County on February 10, 2013. This storm event caused 25 million dollars in damage to properties within the County, City of Hattiesburg and the City of Petal. Also, this storm attributed to 63 injuries and rated as an EF3 storm. Information related to this storm and previous ones can be found in Table 3-8.

Transportation Incident/Accidents

The intensity of impact will generally be limited in nature to the incident zone but can involve re-routing of traffic, mobilization of the emergency services, the activation of emergency medical plans, the activation of Emergency Operations Center, evacuation, mass care and temporary shelter. Life, property, and the economy could be at risk.

The scope of damage will generally be limited to the incident site, but can include widespread concern including evacuation, mass care, and considerable property damage. A plane crash may create the need for fire fighting, law enforcement, and

medical services. A highway accident involving busses or carriers of hazardous cargo can involve substantial rescue, fire fighting, extraction and evacuation operations. A railway accident is usually limited in fatalities but can produce considerable population hazards where the cargo is flammable, toxic, or explosive when it occurs in or near business or residential area. If any of these accidents were to occur within a heavily populated area, the threat potential would rise to an alarming level.

As the participating jurisdictions continue to experience growth, transportation corridors will be enhanced and constructed to accommodate the growth of the region. This will result in an increased probability of transportation accidents. Not only will highways/roads and air-related modes be analyzed for future incidents—rail will also be incorporated. There are four main rail lines that run through Forrest County and are as follows: Illinois Central Railroad, Mississippi Central Railroad, Southern Railway and New Orleans/Northeastern Railroad. All of the aforementioned rails are utilized to carry items that range from coal to hazardous materials. Along with the materials being transported through communities of large amount of populations—there are switchyards that are in close proximity to major employment centers. Therefore, the risks of transportation incidents are high which makes the study area very vulnerable.

Urban and Wildfires

Urban fire can be devastating on a community or city both economically and environmentally. Residential fires are always a number one killer when looking from a life and death perspective. Industrial fire is a cause of loss of life and loss of income for workers and suppliers. The participating jurisdictions have a high vulnerability rate of urban fire damage. Urban fire can become uncontrolled if not properly and promptly addressed. Shelter for families must be set up in some cases and evacuation could be required. Industrial fires often produce hazardous gases and residential areas must be evacuated. Both areas have the potential to experience urban fire at its worst.

Wildfire in Forrest County could cause considerable property damage to timber and to residential areas that are established all over the rural areas of the county. Timber and brush are always good conductors of fire and at certain times of the year, dry conditions warrant close observance for possible wildfires. Lighting strikes, arson, uncontrolled burns by citizens, and carelessness account for many of the wildfires that occur in south Mississippi. Prior to Hurricane Katrina, a wildfire would generally destroy between 20 and 50 acres before the fire could be contained. However, the massive amount of fallen trees from Hurricane Katrina are a fuel for potential wildfire incidents that today would result in between 50 and 200 acres of land lost. This increased hazard threat would also result in the destruction of numerous structures.

Forrest County, the City of Hattiesburg and the City of Petal could experience major property damage and loss of life due to urban and wildfires. Regional agreements are in place to safeguard all communities within the county to ensure the protection of life. These agreements are between municipal fire departments and county volunteer departments.

Winter Storms

Ice storms or a hard freeze following rainfall or snow and/or ice can make bridges and overpasses, streets and roads hazardous. These conditions can cause extensive damage to power lines, heating systems, water systems, sanitation systems, business, industry, schools, people, animals and livestock. The community can be virtually paralyzed in its normal day-to-day activities. Past response to these events has been good. The greatest danger to this area is longevity. The longer an extremely cold system stays over the area, the greater the damage. In the past when ice and/or snow move into this area it has typically been limited to 2 to 4 days of cold at or below freezing temperatures. If an ice/snow storm were to occur with single digit temperatures following and remaining for a week or more, the hardships would severely tax the capability of the community. Severe property damage, interruption of services, interruption of heat sources and possible loss of water supplies could result. The occurrence of severe winter storms is not a regular event. For this reason little preparation is made for them. The South in general is not equipped to handle major winter storms because of their infrequency. The National Weather Service can usually predict the approach of winter storms to within 24 hours. This prediction allows for some preparation.

Probability of Future Occurrence

Based on the history of hazards in Forrest County, it is probable that the following hazards will continue to affect the County or be a possible threat to the County:

- Dams
- Drought and Extreme Heat
- Earthquakes
- Floods and Flash Flooding
- Hail
- Hazardous Material Accidents
- Hurricanes, Tropical Storms and High Winds
- Power Failure
- Terrorism
- Thunderstorms and Lightning
- Tornados and Funnel Clouds
- Transportation Incident/Accidents
- Urban and Wildfires
- Winter Storms

It is not probable that the following hazards will affect Forrest County due the geographical location and the history of the County:

- Expansive Soils
- Land slides and land subsidence
- Snow Avalanches
- Tsunami Events
- Volcanoes

Table 3 – 11, Summary of Probability of Future Occurrence, shows the total amount of damage by the five major risk hazards within Forrest County. The time frame for these hazards ranges from the submittal of the last plan until currently (May 2007-August 2013). Totals related to damage were obtained from NOAA and major hazard (natural) identification was done by the Hazard Mitigation Council. The numbers below reveal that Forrest County received over $32 million dollars in damaged due to flash flooding, hail, hurricanes, thunderstorms and tornados. If the same total were to remain constant along with taking into consideration of possibility identified by each jurisdiction---the total amount of damage over a ten year period would be $324,035,000. The aforementioned total assumes there will continue to be at least three major flood events a year; at least ten hail events a year; one major tropical storm a year; two major lighting events a year and six major thunderstorm events a year. There have been no major hurricanes to cause damage within the study area since Katrina. However, the worst case scenario would be one similar to it within the next ten years which would increase the aforementioned total to approximately **$6,224,035,000**. The amount of damage caused by Katrina was estimated at $5,900,000,000.

Table 3 - 12, Summary of Probability of Future Occurrence

Floods and Flash Flooding	$ 2,654,000
Hail	$ 273,000
Hurricanes, Tropical Storms and High Winds	$ 360,000
Thunderstorms and Lighting	$ 1,499,000
Tornados and Funnel Clouds	$ 27,617,500
TOTAL	**$32,403,500**

Source: Forrest County Planning Department, May 2013

Summary of Hazard Characteristics

Refer to Appendix E: Vulnerability assessment by Jurisdiction that summarizes the hazard characteristics by locale. This appendix shows the total population of the jurisdiction, factors related to the hazard and overall probability of future occurrence.

Vulnerability

Refer to Appendix E: Vulnerability assessment by Jurisdiction, by Hazard that shows the vulnerability of each respective jurisdiction along with the overall risk factor. Some of the hazards that have the highest risk are floods and flash flooding, tornados, hail, high winds, urban fire and transportation incident/accidents.

Planned Improvements and Vacant/Underutilized Land

According to Table 3 – 1, City of Petal Existing Land Use and Vacant Land Analysis, the total land in urban use is 5,303.48 acres. An additional 5,135.98 acres are currently vacant and available for residential, commercial, or industrial use. Currently, the City of Petal's total acreage is 10,439.46. The City of Petal has 4,024.56 acres in developed residential uses that represents approximately 75.89% of the developed land in the municipal area. Dividing the population of Petal by the total residential acreage yields a population density of 2.44 persons per net acre.

It should be noted for planning purposes that Neel-Schaffer, Inc, placed the land use data into a geographical information system (GIS) ArcView database that linked land use to each parcel. In some areas there may be a house located on a small portion of a lot and the remaining parcel is undeveloped. In these instances, the entire parcel would be coded residential and this acreage is reflected in Table 3 – 1, City of Petal Existing Land Use and Vacant Land Analysis.

Areas Affected by Identified Hazards

Forrest County, the City of Hattiesburg and the City of Petal are all affected by hazards identified in their vulnerability assessments. Overall, there are 32, 209 structures within the County. Of this total, 15,586 are in the City of Hattiesburg and 4,563 in Petal. The remaining 11,960 are within Forrest County. The type of structure within each jurisdiction ranges from residential, commercial and critical facilities. A list of the critical facilities can be found in Appendix D. The land area and person per square mile for the jurisdictions are as follows: City of Hattiesburg—53.38 and 861.5 persons; City of Petal—16.87 and 619.8 persons and Forrest County—466.31 and 160.7 persons. If those totals are taken into consideration with the one of the four factors (Percent of geographic area affected by hazard) identified by the jurisdiction—one can determine the perceived portions affected. For example, according to data found in Appendix E; the following were identified as major hazards affecting large portions of a particular jurisdiction:

- Forrest County: Drought/Extreme Heat, Hail, Hurricanes, Power Failure, Terrorism, Thunderstorms, Tornados and Transportation.

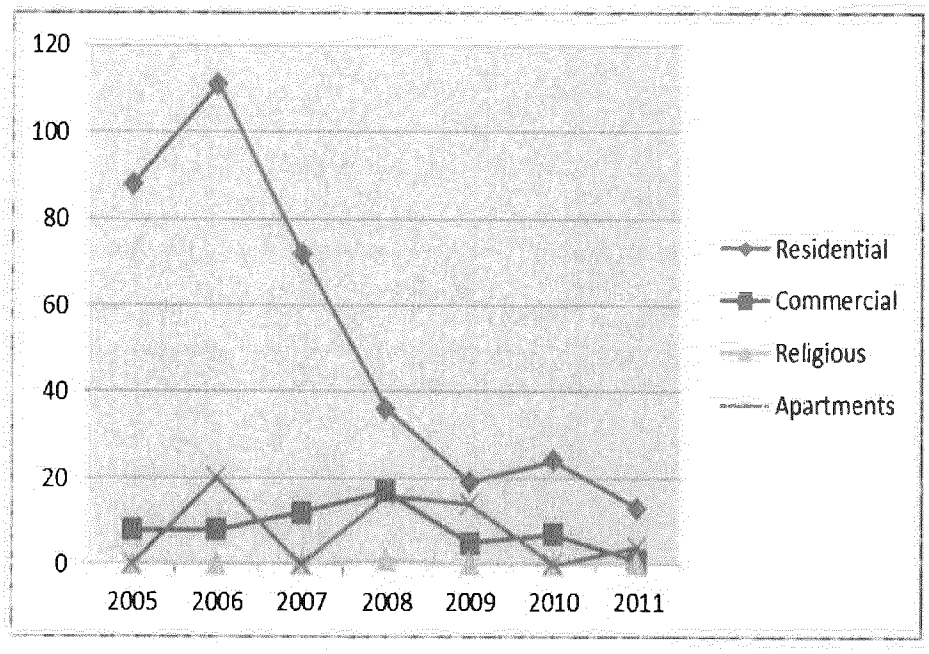
- City of Petal: Drought/Extreme Heat, Hail, Hurricanes, Tropical Storms, Terrorism, Thunderstorms and Tornados.
- City of Hattiesburg: Drought/Extreme Heat, Hail, Hurricanes, Power Failure, Terrorism, Thunderstorms, Tornados and Transportation.

All of the aforementioned identified threats were given a score of 6 by the respective jurisdiction. According to the survey instrument, this score would indicate a 75 percent or greater affected area. In other words, respondents from Petal believe that 12.66 percent of their 16.87 square miles would be affected by the hazard; 41.53 percent of the 53.38 for Hattiesburg and 349.73 of 466.31 for Forrest County.

Analysis of Development Trends

As shown in Figure 3 – 4, City of Petal Building Permit Analysis for New Construction, of the building permits issued for new construction in the last seven years (2005 - 2011), almost 76.26% of the 476 permits issued were for residential structures. Also, of the total development, 12.1 % or 58 were for commercial. Apartment and multi-family development accounted for 11.34% of new development during the period of 2005-2011. An additional 68 permits were issued for the demolition of structures within the City of Petal.

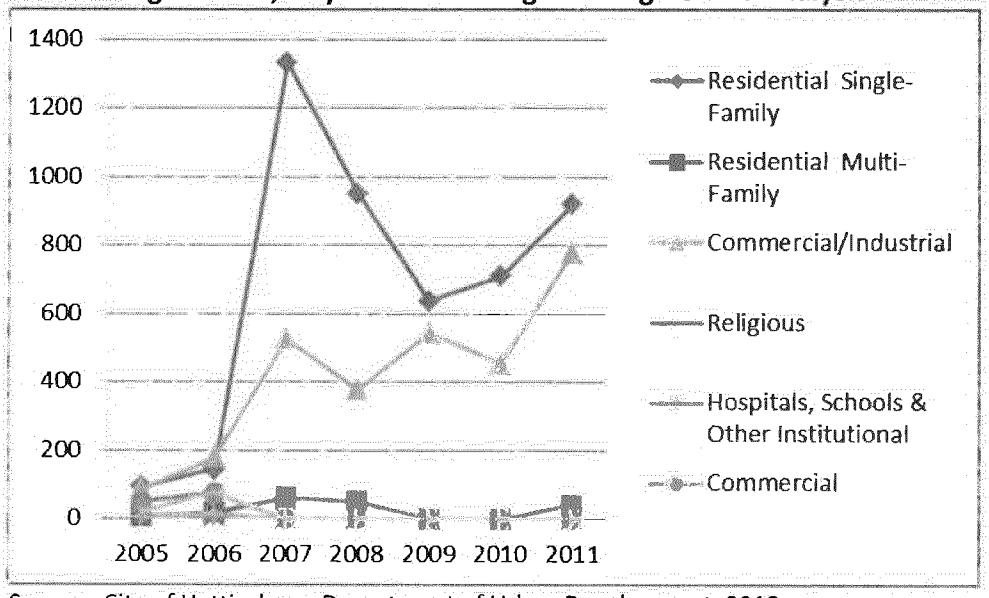
Figure 3 –4, City of Petal Building Permit Analysis for New Construction



Source: City of Petal Building Department, 2013.

As shown in Figure 3 –5, City of Hattiesburg 7-Year Building Permit Analysis, of the building permits issues in the last seven years (2005 – 2011), 58.44% of the 8,193 permits issued during the time frame were for residential purposes. Commercial permits accounted for 35.99% of the permits.

Figure 3 –5, City of Hattiesburg Building Permit Analysis



Source: City of Hattiesburg, Department of Urban Development, 2012

Forrest County does not issue building permits, but does issue floodplain permits and certifications, Stormwater permits and track subdivision developments. Over the past several years, approximately 1,869 permits have been issued in the unincorporated area of Forrest County. These development trends are shown in Map 3 – 15, Residential Developments of the different developments within the urbanized area. No new subdivision developments have occurred within the county due to the current economic climate and various other factors.

Summary of Jurisdictional Exposure to Risk by Hazard

Of the fourteen hazards that can affect each participating jurisdiction, the most damaging to date have been Floods/Flash Flooding, Hail, Hazardous Materials Accidents, Hurricanes, Terrorism, Thunderstorms/Lightning and Transportation Incident/Accidents. Table 3 – 11, Risk Assessment by Jurisdiction the risk of hazards by each area using various factors and a probability of occurrence scale. More detailed information for each jurisdiction can be found in Appendix E.

4. Capability Assessment

Policies, Programs and Plans

Forrest County, the City of Hattiesburg, the City of Petal, and the Emergency Management District have numerous policies, programs and plans in place that affect hazard mitigation. The most important asset of each participating jurisdiction is the employees. These employees respond to events, implement programs and administer policies that ensure Forrest County is a safe place to live.

First responders, such as police and fire personnel from the cities of Hattiesburg and Petal, sheriff and volunteer fire personnel from Forrest County and the Emergency Management staff are trained to recognize and react to hazardous events and mitigate damage.

City and County governing officials use legislative authority to protect the public by adopting ordinances and programs that mitigate hazards. The governing authorities of the City of Hattiesburg, the City of Petal and Forrest County adopt polices that are enforced by planning staff and building inspectors. This process makes safe communities and mitigates potential hazards in the participating jurisdictions. The following is a list of plans and ordinances that each jurisdiction and organization has that mitigates hazards within Forrest County.

Table 4 –1, Plans and Implementation Measures

Hattiesburg	X	X	X	X	X	X	X	X
Petal	X	X	X	X	X	X	X	X
Forrest County			X	X	X	X	X	
Emergency Management District	X (CEMP)					X	X	

Source: Forrest County Planning Department, 2006 and 2013.

The three planning documents - Comprehensive Plan, Disaster Preparedness Plan and the Metropolitan Planning Organization (MPO) Transportation Plan - provide goals and objectives for the corresponding entity and the other ordinances - Zoning Ordinance, Subdivision Ordinance, Floodplain Ordinance, Stormwater Ordinance and Building Codes – are the implementation tools for the plans and hazard mitigation.

As these plans and policies are updated, each jurisdiction, using a traditional planning approach, will continue to incorporate mitigation practices into the documents through the ordinance implementation and administrative process. Each participating jurisdiction incorporates some type of hazard mitigation daily through ordinance implementation and administration. This includes the use of building permits, site plan review, flood permits and other land development tools.

Planning Tools

Comprehensive Plan

The City of Hattiesburg's 2028 Comprehensive Plan was adopted on December 16, 2008 and Hattiesburg is in the process of updating the Land Development Code. The "Getting on Track for Hattiesburg's Future" Comprehensive Plan has the following components:

- Introduction
- Executive Summary
- The Comprehensive Planning Process
- Goals and Strategies
- The Character of Hattiesburg: Physical, Social and Economic
- The Natural Environment
- Land Use and Development
- Infrastructure
- Community Facilities and Services
- Action Plan

The City of Petal's Comprehensive Plan was adopted May 3, 2005 and the comprehensive plan has the following components:

- Goals and Objectives
- Land Use Plan
- Transportation Plan
- Community Facility Plan

The Emergency Management District has a Comprehensive Emergency Management (CEMP) Plan that includes the following areas for all types of emergencies in Forrest County:

- Prevention
- Preparedness
- Response
- Recovery
- Mitigation

Prevention

Prevention is any action that avoids an incident, reduces the effect of, or so intervenes as to stop an incident from occurring. Prevention involves actions to protect lives and property. It involves applying intelligence and other information to a range of activities that may include countermeasures such as deterrence operations; heightened inspections; improved surveillance and security operations; investigations to determine the full nature and source of threat; public health and agricultural surveillance and testing processes; immunizations, isolation, or quarantine; and appropriate specific law enforcement operations aimed at deterring, preempting, interdicting, or disrupting illegal activity and apprehending potential perpetrators and bringing them to justice.

Preparedness

Preparedness includes deliberate tasks and activities necessary to build, sustain, and improve the operational capability to prevent, protect against, respond to, and recover from domestic incidents. Preparedness is a continuous process that involves efforts at all levels of the public and private sectors to identify threats, determine vulnerabilities, and identify requested resources. Preparedness is also defined as actions taken in advance of an emergency or disaster to develop operational capability and facilitate response operations. Such measures include the development of plans, procedures, warning and communication systems, training and exercises, mutual aid agreements, and emergency public information packages.

Some examples include:

- Developing, revising, and exercising the Forrest County's *Emergency Operations Plan* (EOP) to determine possible weaknesses and corrective actions needed.
- Training and exercising personnel in assigned responsibilities.
- Coordinating with other local agencies, volunteers, and the private sector in the Forrest County Emergency Operations Center (EOC) and maintaining an adequate reserve of resources.

- Preparing, in coordination with lead county officials, public information for emergency release in different languages if necessary.

Response

Responses are activities that address the short-term, direct effects of an incident. Response includes immediate actions to save lives, protect property, and meet basic human needs constitute the response phase. Response also includes the execution of EOPs and of mitigation activities designed to limit the loss of life, personal injury, property damage, and other unfavorable outcomes. Response also includes efforts to begin the process of returning to pre-emergency conditions. As indicated by the situation, response activities include:

- Applying intelligence and other information to lessen the effects or consequences of an incident
- Increased security operations
- Continuing investigations into the nature and source of the threat
- Ongoing public health and agricultural surveillance and testing processes
- Immunizations, isolation, or quarantine
- Specific law enforcement operations aimed at preempting, interdicting, or disrupting illegal activity, and apprehending actual perpetrators and bringing them to justice
- Notifying officials and assigned personnel.
- Activating the EOC according to need.
- Coordinating emergency operations.
- Establishing priorities and allocating resources.
- Mobilizing personnel and equipment.
- Implementing evacuation and sheltering plans for senior citizen centers, hospitals, and livestock, special needs and prison populations.
- Other emergency operations such as searching and rescuing, clearing debris, providing emergency medical services, firefighting, etc.

Recovery

Recovery is a process involving the restoring and rebuilding of communities, lives, property, and economy and includes short-term and long-term phases. Recovery must begin as soon as possible, sometimes during the response phase. The Forrest County Emergency Manager initiates procedures to assess needs and resources, establish priorities, reviews state and federal aid criteria and coordinates with representatives from both levels of government. Once the extent of the recovery effort is determined, the appointed recovery team members determine how best to manage the specific activities, what resources and personnel will be required and what other actions are

needed to return the impacted areas to normal operations as quickly as possible. (Additional long-term recovery is available in Emergency Support Function # 14)

Recovery includes:

- The development, coordination, and execution of service and site-restoration plans
- The reconstitution of county/local government operations and services
- Individual, private-sector, non-governmental, and public-assistance programs to provide housing and to promote restoration
- Long-term treatment of affected persons
- Additional measures for social, political, environmental, and economic restoration
- Evaluation of the incident to identify lessons learned
- Post-incident reporting
- Development of initiatives to mitigate the effects of future incidents

The CEMP includes 15 Emergency Support Functions (ESF) that each provides a purpose, scope of work, coordinator, primary agencies, support agencies and response. The ESF are as follows:

- ESF-1 Forrest Co. Transportation Response
- ESF-2 Forrest Co. Communications
- ESF-3 Forrest Co. Public Works and Engineering
- ESF-4 Forrest Co. Fire Services
- ESF-5 Forrest Co. Emergency Management
- ESF-6 Forrest Co. Mass Care, Housing, and Human Services
- ESF-7 Forrest Co. Resource Support
- ESF-8 Forrest Co. Public Health and Medical Services
- ESF-9 Forrest Co. Search and Rescue
- ESF-10 Forrest Co. Oil and Hazardous Materials
- ESF-11 Forrest Co. Animals, Agriculture & Natural Resources Response
- ESF-12 Forrest Co. Energy
- ESF-13 Forrest Co. Public Safety and Security
- ESF-14 Forrest Co. Long Term Recovery
- ESF-15 Forrest Co. External Affairs

Disaster Preparedness Plan

Each participating jurisdiction has a Disaster Preparedness Plan that provides standard operating procedures during disasters. The disaster preparedness plan ensures that

each participating jurisdiction has measures in place to effectively govern to protect public health and safety during a disaster.

Metropolitan Planning Organization Transportation Plan

The Hattiesburg-Petal-Forrest-Lamar Metropolitan Transportation Plan 2035, which includes the City of Hattiesburg, the City of Petal, Forrest County and Lamar County, is the current plan for the Metropolitan Planning Organization (MPO). The Metropolitan Transportation Plan 2035 has the following elements:

- Introduction and Transportation Planning Process
- Public Outreach
- Demographic Data Trends and Projections
- Financial Analysis and Fiscal Constraint
- Streets and Highways
- Public Transit
- Bike and Pedestrian
- Regional Safety
- Regional Security
- Environmental Mitigation Analysis
- Staged Improvement Program

Implementation Tools

Zoning Ordinance

The City of Hattiesburg and the City of Petal have Land Development Codes (LDC) that in addition to regulating zoning and uses allowed in each zone, also regulates open space, parking, buffers, green space, tree plantings and impervious surface requirements for each zone and/or use. These items help with drainage and storm water issues, as do other sections of the LDC such as: requirements for streets, land subdivision, planned unit or planned residential developments, sewers, utilities, water supply, environmental design and storm drainage systems. The City of Hattiesburg has a Site Plan Review Committee that at a minimum looks at the following items for each proposed new development or addition:

- Exact location of all buildings and structures
- All means of ingress and egress
- All screens and buffers
- Off-street parking and loading areas
- Refuse collection areas
- Access to utilities and points of utilities hookup
- Natural features such as streams, lakes or other topographic features

- Grading plan
- Storm drainage and sanitary sewer plans
- Architectural definitions for buildings in the development; location, size and types
- Plans for recreation facilities, if any, including buildings for such use
- Such additional data, maps, plans, or statements as may be required for the particular use or activity involved or that the applicant may believe is pertinent to the site development plan.

Additionally the site plan shall be approved only after a consideration of the following factors:

- Ingress and egress to the property
- Drainage on the property that does not adversely affect neighboring properties or public storm drainage systems and will, so far as practical, conserve the water resources of the area and avoid flooding, erosion, and detrimental depositing of sediments of any kind
- All utility connections
- Off-street parking and loading areas
- Recreation and open spaces
- Density and/or purpose of the development
- General site arrangement, amenities, and convenience, including disposal of waste and noise
- All setbacks, parking areas and accessory structures that are landscaped, located and constructed so as not to interfere with the use of the surrounding property or cause any adverse effect upon the environment or nearby property.

Subdivision Ordinance

The City of Hattiesburg subdivision regulations are included in the Land Development Code, Ordinance No. 2330, adopted December 05, 1989, and declare that the subdivision of land is an important part of the community development process because the welfare of the entire community is affected in many important respects by the subdivision and subsequent development of its lands. The regulation of the subdivision of property is intended to and should be administered in a manner that will implement the Comprehensive Plan; harmoniously relate development of various tracts of land with overall community needs; establish minimum criteria and standards to which improvements shall be installed and/or constructed; and provide a means for the orderly recordation of the subdivided parcels as well as the location and salient features of improvements thereto. The following outlines those requirements:

- The title under which the proposed subdivision is to be recorded
- Date of preliminary plat, location, north arrow, scale of plat in graphic form
- Vicinity map
- Location and size of existing streets, water, sewer, and other utilities to which the proposed development is to be connected or otherwise abutting the property.
- Present zoning classifications of the land to be subdivided and the zoning classifications of adjacent land and/or subdivisions
- Total acreage of the land to be subdivided and the number of lots proposed
- Maximum of two (2) foot Contour lines of ground elevations, based on Mean Sea Level
- Special Flood Hazard Areas delineated
- Location, name and dimensions of proposed streets, street improvements and right-of-ways, alleys, easements, lot and block numbers and lot lines
- Sites, if any, to be reserved or intended to be dedicated for parks, playgrounds, open spaces, lakes, ponds and other public uses.

The City of Petal's Subdivision Ordinance was adopted March 19, 1991 and includes the following:

- Definitions and Procedures
- Road Plat
- Surveys, Minimum Standards, and Design
- Improvements Required in Subdivisions
- Specifications and Minimum Design Standards and Roads and Streets
- Procedure to Secure Approval of Plans for Construction of Roads and Streets in Newly Dedicated Subdivisions
- Repeal of Conflicting Orders
- Penalty

Forrest County amended its subdivision ordinance on March 5, 2011. This update was the first revision since April 9, 1987. The primary changes with this update were related to density and strengthen the roadway dedication requirements. All development that has more than four units per acre is considered a subdivision and requires Board of Supervisors approval. Road improvements include a minimum right of way of at least 50 feet and three onsite visits by County Engineer to ensure conformity with the specifications and standards. Another element is the incorporation of a variance procedure. The applicant must prove to the Board that the requested variance will not

adversely impact the health, safety, and/or general welfare of prospective residents of the proposed development, adjoining property owners, emergency personnel and/or general public. The following elements are included in the ordinance:

- Definition and Procedure
- Plat
- Surveys, Minimum Standards, and Design
- Improvements Required in Subdivisions
- Specifications and Minimum Design Standards and Roads and Streets
- Procedure to Secure Approval of Plans for Construction of Roads and Streets in Newly Dedicated Subdivisions
- Variances
- Repeal of Conflicting Orders
- Penalty

Floodplain Ordinance

The City of Hattiesburg's Flood Ordinance Number 2345, adopted May 8, 1990, codified in the Code of Ordinance as Chapter 10. Section 10-7 of this ordinance defines Substantial Improvement and Section 10-42 regulates elevation requirements, flood proofing, elevated buildings and the non-conversion of the areas below the elevated building, Manufactured (Mobile) Homes, and other developments in all flood zones and the floodway. Section 10-43 outlines the requirements and standards for streams without established base flood elevations and/or floodways. The City of Hattiesburg currently maintains a Class 7 under FEMA's Community Rating System. This Class 7 rating provides for an automatic 15% discount off the National Flood Insurance Rate for our citizens. Hattiesburg expects to file a modification application within the next few months, and if successful will become at least a Class 6, which would offer citizens a 20% discount (possibly Class 5 – 25% discount as discounts are provided at 5% per class).

In the City of Hattiesburg, for the elevation of those properties outside a flood zone, Ordinance Number 1858, adopted April 4, 1976, codified as Section 22-6 of the Code of Ordinances, would apply, which states:

A. The first floor of all buildings erected from the date of the passage of this section shall be elevated at least twelve (12) inches above the crown or center of the highest adjoining street.
B. A variance to paragraph A of this section may be granted by the governing authorities upon a proper showing that the grounds upon which said building is being erected are high enough in elevation to make the building safe from flooding by surface water and sewer backup.

The City of Petal's Floodplain Ordinance No. 93 was adopted May 5, 1998. Forrest County's Floodplain Damage Prevention Ordinance was amended and on September 1, 2011, and includes the following contents:

- Statutory Authorization, Findings of Fact, Purpose and Objectives
- Definitions
- General Provisions
- Administration
- Provisions for Flood Hazard Reduction
- Variance Procedures
- Severability
- Effective Date, Publication, and Repeal of Prior Flood Damage Prevention Ordinance

Stormwater Ordinance

Forrest County adopted a Stormwater Ordinance that regulates Stormwater Runoff, Illicit Discharge and Illegal Connections on January 6, 2005. The City of Petal adopted a Stormwater Ordinance No. 106 on November 16, 2004.

The City of Hattiesburg Ordinance Number 2947, adopted on February 20, 2007, formally put in place the policies and procedures for erosion and sediment controls that the City has been following since 2003 for compliance with Storm Water Phase II of the Mississippi Department of Environmental Quality.

These documents have the following sections:

- Introduction
- Definitions
- Applicability
- Responsibility for Administration
- Severablity
- Policy
- Construction and/or Industrial Activity
- Access and Monitoring of Properties, Facilities, and Discharge Points
- Best Management Practices
- Watercourse or Easement Protection
- Notification of Spills
- Violations
- Penalties and Prosecution
- Appeals

Building Codes

The City of Hattiesburg and the City of Petal have building codes that mitigate the loss of buildings due to high winds. The City of Hattiesburg has required building permits since the adoption of Ordinance Number 226 on April 12, 1905, and the City of Petal since Ordinance No. 18 from April 1, 1975. Ordinance Number 439, adopted on September 2, 1915, created the office of Building Inspector and outlined his duties. Several ordinances were created regulating various aspects of building between 1897 and the adoption of the first building codes, which were adopted by Ordinance Number 1444 on December 12, 1962. Hattiesburg has maintained building codes since that time, first under the Southern Building Codes, and currently under the 2003 International Codes.

As part of the adopted codes, Hattiesburg has also followed said Codes guidelines for wind loads, compaction and other safety measures. Per Section R403.1.4 of the International Residential Building Code, Hattiesburg requires "all exterior footings to be placed at least 12 inches below the undisturbed ground surface." The University of Southern also has building codes that fall under the State of Mississippi for all state buildings.

Other Mitigation Programs

Overall

The Emergency Management District provides effective emergency management services in accordance with the State of Mississippi Emergency Management laws and plan. The Emergency Management District implements and maintains an exemplary telecommunications program, including an emergency communications system, 911 emergency telephone system and local government communications support. The District provides an efficient organizational structure that supports these services and protects and benefits of the citizens of Forrest County and the cities of Hattiesburg and Petal.

Dams

Owners of dams are required by the State of Mississippi to have an Emergency Action Plan on file with the Emergency Management Agency. The owners are also required to monitor their lakes on a daily and/or weekly basis to inspect the property for problem areas.

Drought and Extreme Heat

To assist Forrest County mitigate against drought and extreme heat, the Forrest County Soil and Water Conservation District (SWCD) is charged with the responsibility of implementing a program of soil and water conservation in the county. The Forrest County SWCD is a governmental subdivision of the State of Mississippi formed on April

4, 1938, through House Bill 454. The citizens of Forrest County organized the Forrest County SWCD in 1945.

Five commissioners govern the Forrest County SWCD. Three are elected in a district-wide (county) election by landowners. The Mississippi Soil and Water Conservation Commission, upon recommendations of the SWCD board of commissioners, appoint two. Each District is authorized to appoint five deputy commissioners. These commissioners serve without pay to carry out a cooperative program that addresses the natural resource concerns of the District.

The goals of the District are to preserve natural resources, improve water quality, control floods, prevent impairment of dams, preserve wildlife, protect public lands and protect wetlands and include the following:

- Control and prevention of soil erosion
- Improve water quality
- Flood control
- Prevent impairment of dams and reservoirs
- Preserve wildlife
- Protect public lands
- Protect wetlands
- Develop private lands and waters for recreational purposes
- Promote economic welfare
- Provide leadership in the promotion of the conservation

Staff and Commissioners have the responsibility to recognize and determine conservation and achieve goals. Staff of the SWCD includes a District Conservationist, a Soil Conservationist, a Soil Conservation Technician, and an Urban Conservationist.

Earthquakes

Forrest County is located in Region V of the New Madrid Fault. A resource for earthquake mitigation is the Central U.S. Earthquake Consortium (CUSEC) that was established in 1983 with funding from the Federal Emergency Management Agency.

CUSEC is a partnership of the federal government and the eight states most affected by earthquakes in the central United States. Those states are: Alabama, Arkansas, Illinois, Indiana, Kentucky, Mississippi, Missouri, and Tennessee. CUSEC's primary mission is, "... the reduction of deaths, injuries, property damage and economic losses resulting from earthquakes in the Central United States."

CUSEC coordinates the multi-state earthquake mitigation efforts of the central region. This critical role is mainly to facilitate activities, not to implement emergency management functions that are the responsibility of each individual state.

The CUSEC Board of Directors has identified six major goals within the Strategic Plan that include the following: Outreach Goals of multi-state planning, public awareness and education, mitigation; research and the Foundation Goals are resource development and constituency building. The four-outreach goals address the planning, preparation and knowledge processes. The two foundation goals, resource development and constituency building, provide the organization with the structure and influence to accomplish the four outreach goals.

CUSEC provides many educational resources and public awareness brochures. Examples of these include but are not limited to Earthquake Mitigation, Family Safety, Home Survival Pack, and Personal Disaster Kit. CUSEC is a resource for transportation issues related to earthquakes, donations management issues, housing recovery initiatives and earthquake exercises.

Floods and Flash Flooding

There are five reporting stations located in Forrest County that monitor rainfall amounts. One is located in the Brooklyn community, one in Petal and three in the City of Hattiesburg. There are also four river gauges in Forrest County. These are along Black Creek, Gordon's Creek and the Leaf and Bouie rivers. These instruments are used to monitor flash flooding and flooding for Forrest County.

To mitigate flash flooding and flooding, the City of Hattiesburg has an ongoing drainage enhancement program. Over the last 12-13 years, the City of Hattiesburg, in conjunction with state and federal agencies, has completed over 19.5 million dollars in drainage enhancement projects, resulting in tremendous drainage improvements in Hattiesburg, which may have reduced the flood hazard area.

Over the past two years, the City of Petal with other agencies has spent approximately $400,000 on drainage enhancement projects. Petal has also recently entered into a contract to produce aerial photography with 2-foot contours for the entire city. This will assist the city with a drainage plan and will mitigate flash flooding and flooding. Forrest County and the City of Petal have had Stormwater Ordinances since 2005 and the City of Hattiesburg adopted a Stormwater Ordinances in 2007.

In 2010, members of the Multi-jurisdictional taskforce embarked on a flood inundation project. The purpose of this project was to will allow residents to estimate the potential

for flooding based on the flood level of the Leaf River. The information is placed on each participating jurisdiction's website and allows users to access the appropriate information. The Council anticipates this form of information will further educate the residents of the dangers of flooding and give a historical overview of the hazard and its effect on local development. All the participating jurisdictions participate in the National Flood Insurance Program (NFIP) and make every effort to ensure adherence to the program guidelines. As outlined in the Table 4-1, various planning tools have been implemented to provide a nexus between development and education. Properties that continually receive flood damage that meet the substantial improvement threshold are identified as repetitive loss properties. Once a property receives that designation—effort is made to relocate the individual(s).

The local chapter of the American Red Cross provides a brochure in the form of a flood safety checklist. This brochure is attached as Appendix I. The brochure has important information on what to expect and what a person should do during a flood watch and flood warning as well as a household preparedness checklist.

Hail

As a part of the National Oceanic and Atmospheric Administration (NOAA) the National National Severe Storms Laboratory (NSSL) provides educational information about questions and answers on hail, detecting hail, forecasting hail, and so forth. The NSSL has refined technology of Doppler radar that indicates whether a storm is producing hail. This technology today is called Enhanced Hail Diagnosis Algorithm (EHDA) that uses multiple radars to indicate whether a storm is producing hail. NSSL engineers are currently enhancing polarimetric technology that will use polarimetric radar, horizontal and vertical pulses, to identify the specific hail location, not the probability of hail.

Hazardous Material Accidents

The Hattiesburg Fire Department's Hazardous Materials (HazMat) Division is made up of 36 members of the department, all trained to the Hazmat Tech level. This team provides support to the City of Petal and Forrest County via inter-local agreements.

The team is the HazMat section of the South East One Regional Response (SE1RRT) team and therefore all members also have training in response to terrorist incidents of chemical, biological, radiological or nuclear attacks. Since Hurricane Katrina, the SE1RRT has also started receiving training in urban search and rescue and 12 members have attended Structural Collapse Tech classes in College Station, Texas.

As a response team HazMat is equipped to confine and contain leaking chemicals, analyze the hazard, make appropriate evacuations and provide decontamination services for any citizens that may have come in contact with the hazard. The HazMat

team has a Mass Causality Decon System that is designed to handle up to 200 patients per hour. The team is also equipped with air monitoring systems; biological weapons detection systems, chemical identity systems, radiological monitoring systems and chemical weapons detection systems.

The Hazmat/RRT team also provides services for the counties of Forrest, Lamar, Perry, Marion, Covington, Jones, Jeff Davis, Wayne and Green. Any response with this team as HAZMAT or RRT would be in conjunction with the local EOC in a unified command system for maximum efficiency. The state system of RRT has 9 teams across the state and should any incident overwhelm these capabilities, the Forrest County EOC would then contact MEMA or the Mississippi Department of Homeland Security to request activation of one of the other teams to assist.

Hurricanes, Tropical Storms and High Winds

Public education is a major mitigation activity for hurricanes, tropical storms and high winds. The local chapter of the American Red Cross provides various public education reports and publications that include: "Your Family Disaster Plan" and "Using a Generator When Disaster Strikes."

The City of Hattiesburg and the City of Petal have building codes that mitigate the loss of buildings due to high winds. The City of Hattiesburg has required building permits since the adoption of Ordinance Number 226 on April 12, 1905. Ordinance Number 439, adopted on September 2, 1915, created the office of Building Inspector and outlined his duties. Several ordinances were created regulating various aspects of building between 1897 and the adoption of the first building codes, which were adopted by Ordinance Number 1444 on December 12, 1962. Hattiesburg has maintained building codes since that time, first under the Southern Building Codes, and currently under the 2003 International Codes.

As part of the adopted codes, Hattiesburg has also followed said Code guidelines for wind loads, compaction and other safety measures. Per Section R403.1.4 of the International Residential Building Code Hattiesburg requires "all exterior footings to be placed at least 12 inches below the undisturbed ground surface."

Power Failure

In an effort to provide power to critical facilities after hazards, all participating jurisdictions need generators. Since 2007, a list of 73 critical facilities has been created which includes shelters, public buildings, an airport, zoo, water tanks/plants, sewer lift stations, and police and fire stations. Of these 73 facilities, a total of eleven generators have been purchased by the City of Hattiesburg, Forrest County and the City of Petal. See Appendix P, Generator Data Spreadsheet/City of Hattiesburg Generators that details

the 73 facilities and locations of the critical facilities. Those locations that were next in order behind those receiving generators—will be moved higher on the priority scale. Information contained in the sheet along with priority placement was done by interviewing emergency personnel, maintenance supervisors and other agency representatives from each jurisdiction.

The local chapter of the American Red Cross provides a fact sheet on generator safety – "Safe Generator Use." This fact sheet is attached as Appendix K.

Terrorism

The team is the HazMat section of the Southeast One Regional Response (SE1RRT) team and therefore all members also have training in response to terrorist incidents of chemical, biological, radiological or nuclear attacks. Since Hurricane Katrina the SE1RRT has also started receiving training in urban search and rescue and 12 members have attended Structural Collapse Tech classes in College Station, Texas.

Thunderstorms and Lightning

For thunderstorms and lightning, public education efforts by National Oceanic and Atmospheric Administration (NOAA) provide safety tips during thunderstorms and lightning. A copy of "Weather Safety: Lightning" is attached as Appendix L.

Tornados and Funnel Clouds

The National Weather Service has designated Forrest County, the City of Hattiesburg, and the University of Southern Mississippi as Storm Ready jurisdictions. This designation recognizes those entities for their effectiveness in issuing National Weather Service watches and warnings. The University of Southern Miss is currently only the third university ever to receive the award and the first in Mississippi. Having three entities in Forrest County having this designation is also unique in Mississippi.

The City of Hattiesburg has an Early Warning Emergency Alert Program that provides NOAA Weather Radios to low-moderate income households of elderly or disabled Hattiesburg residents. The program was initiated in May 2003 and is totally funded through the City's Community Development Block Grant (CDBG) Entitlement Program. The weather radios provide immediate notice of storm alerts, watches or warnings. The radios also provide continuous monitoring of weather conditions, shelter locations and other valuable information during inclement weather.

The radios are distributed through several methods: public distribution, elderly and disabled residential communities or group homes; senior groups/organizational meetings; and homebound delivery.

The program consists of education, training, and installation of the radios and includes the following partners:

- U.S. Department of Urban Development - funding
- Emergency Management – training, programming of radios, distribution, store and maintain inventory
- National Weather Service - training
- The American Red Cross - training
- Housing Authority of Hattiesburg – recipients/training/maintenance

Transportation Incidents/Accidents

The participating jurisdictions can respond to transportation incidents and accidents that would include rail, air or ground. The substance of the incident dictates the type response and the agency responding. Mutual aid agreements exist between Forrest County and the City of Petal with the City of Hattiesburg and the Haz Mat Team for response anywhere in Forrest County. Mutual aid agreements also exist between the eight volunteer fire departments and with the City of Hattiesburg to supply water.

Urban and Wildfires

The City of Hattiesburg and the City of Petal's Fire Departments and Forrest County Volunteer Fire Departments provide fire safety education to the public and specifically school children. These organizations have programs for smoke alarm installation. The Mississippi Forestry Commission also provides public education on fire safety. Burn bans are issued as needed to prevent urban and wildfires through coordination of the Forrest County Board of Supervisors and the Mississippi Forestry Commission.

The local chapter of the American Red Cross provides "Fire Prevention and Safety Checklist" publication that details how households can be fire-safe, planning escape routes, and escaping safely. The brochure also includes a fire safety checklist. The brochure is attached as Appendix M.

Winter Storms

Since winter storms are not a frequent occurrence in south Mississippi, the participating jurisdictions do not have the proper equipment to respond to such a hazard. The necessary equipment can be brought in to assist the participating jurisdictions in responding to winter storms. As with any hazard that residents are provided a warning, the Emergency Management District requests residents have supplies at home to sustain their household for up to 72 hours.

5. Mitigation Strategies

Mitigation Goals to Reduce and Avoid Existing and Future Vulnerabilities

The following are goals that will reduce and potentially avoid long-term vulnerabilities to the identified hazards for Forrest County.

Goal 1: Encourage the development and maintenance of facilities and infrastructure that will mitigate hazards.

Goal 2: Foster an on-going community education program on hazard mitigation safety and preparation.

Goal 3: Enhance response procedures and capabilities.

Goal 4: Utilize technology to protect and develop records and data.

Range of Mitigation Actions Considered

The range of mitigation actions *considered* includes:

- County critical facilities mitigation located in Special Flood Hazard Areas
- Mitigate critical facilities with generators
- Provide railroad grade separation
- Long range planning in Forrest County
- Reestablish corridors along river and streambeds
- Pursue and buy those repetitive loss properties
- Adoption of building codes in Forrest County
- Discourage development within the Special Flood Hazard Area and in the floodway
- All hazard public education
- Floodplain residents education
- Alerting citizens to hazards using weather radios
- Alerting citizens using siren system
- Debris removal
- Equipment and training for gas plant disasters
- Police terrorism unit
- Accessible parcel data
- Mapping groundwater flooding
- Preserving critical government documents
- Main Shelter Facilities

Process and Criteria to Prioritize and Select Actions for Implementation

After the multi-hazard mitigation committee completed the hazards and vulnerability analysis and the capability assessment, the committee developed projects and programs that if implemented will reduce the each participating jurisdictions threats to hazards. For each of the actions identified, a priority was based on five factors that include 1) effect on overall risk to life and property; 2) ease of implementation; 3) community support; 4) general economic cost/benefit review; and 5) funding availability. The mitigation actions included in the implementation of the plan are as follows.

Goal 1: **Encourage the development and maintenance of facilities and infrastructure that will mitigate hazards.**

Actions:

- Mitigate County critical facilities located in Special Flood Hazard Areas.
- Mitigate critical facilities with generators.
- Create a plan that addresses current and future issues in Forrest County.
- Reestablish corridors along river and streambeds in Forrest County.
- Actively pursue and buy those properties that are considered repetitive loss properties.
- Adoption of building codes in Forrest County.
- Discourage development within the Special Flood Hazard Area and in the floodway.
- Address the threat of unhealthy trees that are near critical facilities.
- Enhance shelter capabilities.

Goal 2: **Foster an on-going community education program on hazard mitigation safety and preparation.**

Actions:

- Educate property owners residing in flood zones on the flood risks and the benefits of acquiring flood insurance.
- Educate the citizens of Forrest County regarding stormwater, natural hazards and all related items.
- Alert citizens of approaching life-threatening weather events.

Goal 3: **Enhance response procedures and capabilities.**

Actions:

- Address the local need of debris removal and related items after a storm.
- Provide first responders in Petal with necessary equipment and training to respond to gas plant disasters.
- Develop a police response unit in Petal designed to deter acts of terrorism.

Goal 4: **Utilize technology to protect and develop records and data.**

Actions:

- Convert existing parcel data to a format accessible by other governmental offices and the general public.
- Map groundwater flooding areas.
- Preserve classified, confidential and/or important governmental documents.

Mitigation Implementation

Each mitigation action for implementation identifies the following:

- Project Name
- Mitigation Action
- Mitigation Strategy
- Jurisdiction
- Priority
- Estimated Cost
- Potential Funding Sources
- Lead Agency or Agencies
- Implementation Schedule

Project Name:	Residential Property Elevation
Goal:	Elevate flood-prone properties.
Mitigation Strategy:	Flooding
Jurisdiction:	All Participating
Priority:	High

Description: All participating jurisdictions seek to elevate existing properties that are within flood zones. Specifically, those flood-prone structures located in zones AE, A and the Floodway. The properties are identified for elevation will be classified as repetitive loss properties as defined by the Federal Emergency Management Agency (FEMA). In the absence of elevation; the alternative would be either acquisition or demolition.

Responsible Department(s): Forrest County Planning Department, City of Petal and the City of Hattiesburg.

Cost Estimate: Unknown

Funding Source: Federal and/or state grants.

Schedule: Within the next 5 years.

Project Name:	Citizen Outreach
Goal:	Educate the general public on potential hazards.
Mitigation Strategy:	Education and/or Outreach
Jurisdiction:	All Participating
Priority:	Medium

Description: The members of the Hazard Mitigation Council seek to educate the citizens of Forrest County on storm preparedness through various outreach efforts. The outreach efforts will include, but not limited to the following: presentations at civic clubs and neighborhood associations, storm preparedness on each participating jurisdiction's website and update the All Hazards brochure that was originally done in 2008.

Responsible Department(s): Forrest County Planning Department, City of Petal and the City of Hattiesburg.

Cost Estimate: $8,000.00
Funding Source: General budgets from participating jurisdictions.

Schedule: Within the next 5 years

Project Name:	Evacuation Planning
Goal:	Review and update evacuation routes within County.
Mitigation Strategy:	Education, Outreach and Emergency Services
Jurisdiction:	All Participating
Priority:	High

Description: Members from each jurisdiction will work in conjunction with the Emergency Management District and the Mississippi Department of Transportation to update evacuation routes throughout the county. Special emphasis will be given to streets and railroad crossings that have been closed.

Responsible Department(s): Forrest County Emergency Management

Cost Estimate: Unknown
Funding Source: General budgets from participating jurisdictions.

Schedule: Within the next 5 years.

Project Name:	Enhancement of Governmental Websites
Goal:	Enhance participating jurisdictions websites to notify citizens of disasters.
Mitigation Strategy:	Education, Outreach and Emergency Services
Jurisdiction:	All Participating
Priority:	Medium

Description: Members from each jurisdiction will work in conjunction with their respective information technology departments or through contract labor to update and enhance websites. The purpose of the update is to provide a medium where citizens can receive updates regarding hazards, information on safety tips/procedures and other related information.

Responsible Department(s): Forrest County, City of Petal and the City of Hattiesburg.

Cost Estimate: Unknown
Funding Source: General budgets from participating jurisdictions.

Schedule: Ongoing.

Project Name:	Flood Insurance Education Program
Goal:	Develop a plan of action to educate the citizens of Forrest County and banking/real estate professionals.
Mitigation Strategy:	Education and Outreach
Jurisdiction:	All Participating
Priority:	Medium

Description: Members from each jurisdiction will work to educate the general public and members of financial and real estate professionals on the benefits of flood insurance. The incorporation of such education programs will be done in an effort to protect all citizens from unnecessary losses that would be avoided with obtaining flood insurance.

Responsible Department(s): Forrest County, City of Petal and the City of Hattiesburg.

Cost Estimate: Unknown
Funding Source: Unknown

Schedule: Within the next 5 years.

Project Name:	Educational Facilities Building Retrofits
Goal:	Retrofit and/or construct saferooms at area schools.
Mitigation Strategy:	Hurricanes
Jurisdiction:	All Participating
Priority:	High

Description: Participating jurisdictions seek to protect youth attending local schools from hurricanes, tornadoes and severe storms through the construction of safe rooms and building retrofits. Shelters and saferoom will be incorporated at all public schools in Forrest County.

Responsible Department(s): Forrest County, City of Petal and the City of Hattiesburg.

Cost Estimate: $4,000,000.00
Funding Source: HMGP

Schedule: Within the next 5 years.

Project Name:	Portable Cell Tower Implementation
Goal:	Placement of portable cell towers for emergency workers.
Mitigation Strategy:	Emergency Services
Jurisdiction:	All Participating
Priority:	Medium

Description: Members from each jurisdiction seek to incorporate portable cell towers for use by emergency based workers during storm relief efforts. The placement of such technology would be valuable for workers to communicate to employees and other workers during times of disaster.

Responsible Department(s): Forrest County, City of Petal and the City of Hattiesburg.

Cost Estimate: $100,000.00
Funding Source: HMGP

Schedule: Within the next 5 years

Project Name:	Generator Purchase
Mitigation Action:	Mitigate critical facilities with generators.
Mitigation Strategy:	All Hazards
Jurisdiction:	All Participating
Priority:	High

Description: In an effort to provide power to critical facilities after hazards, all participating jurisdictions need generators for a total of 62 facilities that include shelters, public buildings, an airport, zoo, water tanks/plants, sewer lift stations, and police and fire stations. See Appendix P, Generator Data Spreadsheet/City of Hattiesburg Generators that details the 96 facilities and locations of the critical facilities. Generators will be used at the highest priority critical facilities as applicable.

Responsible Department(s): Forrest County Planning Department, Emergency Management, City of Petal Building Department and City of Hattiesburg Public Works

Cost Estimate: $4,000,000.00

Funding Source: HMGP

Schedule: Within the next five years.

Project Name:	Weather or Disaster Alert System
Goal:	Alert citizens of approaching life-threatening weather events.
Mitigation Strategy:	Sirens and NOAA Weather Radios
Jurisdiction:	All Participating
Priority:	High

Description: Forrest County seeks to purchase sirens and NOAA weather radios for the safety of its citizens. There will be one siren per area/quad. This will include the areas of Brooklyn, Carnes, Dixie, Glendale, Rawls Springs, Petal and Hattiesburg. Also, the objective is for each household to have at least one weather radio.

Responsible Department(s): City of Hattiesburg Planning Department, Forrest County Planning Department, City of Petal Fire Department and Emergency Management.

Cost Estimate: $3,000,000.00

Funding Source: HMGP

Schedule: Within the next five years.

Project Name:	Railroad Grade Separation
Mitigation Action:	Provide four railroad overpasses
Mitigation Strategy:	All Hazards
Jurisdiction:	All Participating
Priority:	High

Description: The City of Hattiesburg with Forrest County and the City of Petal seeks to construct four railroad grade separations along the east side of the City of Hattiesburg. The proposed project includes the Railroad Grade Separation project east of Marshall Durbin, east of downtown Hattiesburg to 4th Street. The objective of the Railroad Grade Separation project is to provide safe transportation routes for residents on the east side of Hattiesburg, in the City of Petal and Forrest County to have access free of rail traffic. Twenty-seven trains travel through this area daily and stall travel through this portion of Forrest County. This project mitigates all hazards that affect transportation and evacuation. For example, the proposed project will reduce the potential hazards of vehicles and train accidents and provide faster response time by first responders in the events of calls and hazardous events. This project will alleviate local traffic that cannot cross evacuation routes in the event of evacuations and contra flow transportation plans being implemented. Forrest County not only has hurricanes as a high hazard, but also receives residents evacuating from Florida, Alabama, Louisiana and coastal Mississippi traveling to and through Forrest County. The project area is also located in and around a floodplain area. Map 3 –7, City of Hattiesburg Floodplain, shows the location of the flood hazards in the area around the Railroad Grade Separation Phase I project. In the event of a flood or flash flood, the railroad grade separations will assist with evacuation of residents in these areas of Hattiesburg and Petal.

Responsible Department(s): City of Hattiesburg Public Services and Emergency Management.

Cost Estimate: $37,800,000.00

Funding Source: HMGP and other grant sources.

Schedule: Within the next five years.

Project Name:	Equipment Purchase
Mitigation Action:	Address the local need of debris removal and related items after a storm.
Mitigation Strategy:	High Winds, Flooding, Landslides, Winter Storms, and Hail
Jurisdiction:	All Participating Jurisdictions
Priority:	High

Description: In an effort to improve the capabilities of removing debris caused by flooding and wind events, Forrest County seeks to purchase additional chipper/shredders and chip truck, purchase of knuckle boom equipment and other types of equipment for debris removal and disposal. Also, each participating jurisdiction needs skid steers for debris removal and disposal.

Responsible Departments(s): Forrest County Road Department, Forrest County Planning Department and Emergency Management

Cost Estimate: $500,000.00

Funding Source: HMGP and other grant sources.

Schedule: Within the next five years.

Project Name:	Hazard Related Public Information
Mitigation Action:	Educate the citizens of Forrest County regarding stormwater, natural hazards and all related items.
Mitigation Strategy:	All Natural Hazards
Jurisdiction:	Forrest County, City of Hattiesburg and City of Petal
Priority:	High

Description: Members from each participating jurisdiction will participate in programs to inform the public about SFHA, stormwater management, NFIP and storm preparedness. This form of public education will include public service announcements (PSAs), flyers, brochures, and public meetings.

Responsible Department(s): Forrest County Planning Department, City of Hattiesburg Planning Department and City of Petal Building Department

Cost Estimate: $ 15,000.00

Funding Source: HMGP, local budgets and or state/federal sources.

Schedule: On-going.

Project Name:	Hot Zone Mitigation Gas Plants
Mitigation Action:	Provide first responders in Petal with necessary equipment and training to respond to gas plant disasters.
Mitigation Strategy:	Hazardous Inventory and Risk, Chemical Spills and/or releases, fire and acts of terrorism
Jurisdiction:	City of Petal
Priority:	High

Description: The City of Petal seeks to incorporate the necessary equipment to adequately respond to disasters related to area gas plants. A majority of the necessary equipment will be firefighting apparatus along with a possible ladder truck. There is a large gas plant within the boundaries of the city and any major disaster would related to it would cause a severe strain on the local agency.

Responsible Department(s): City of Petal Fire Department

Cost Estimate: $850,000.00

Funding Source: HMGP.

Schedule: Within the next five years.

Project Name:	Hazard Traffic Flow Digital Signs
Mitigation Action:	Provide portable digital signs for public communication
Mitigation Strategy:	All Hazards
Jurisdiction:	All Participating Jurisdictions
Priority:	High

Description: Members from each jurisdiction seek to purchase fifteen portable digital signs for communication with the motoring public during hazardous events.

Responsible Department(s): Forrest County Planning Department, City of Hattiesburg Public Services and City of Petal Building Department.

Cost Estimate: $400,000.00

Funding Source: Federal and state grants.

Schedule: Within the next five years.

Project Name:	Critical Facility Relocation
Mitigation Action:	Mitigate County critical facilities located in Special Flood Hazard Areas
Mitigation Strategy:	Flooding
Jurisdiction:	Forrest County, City of Hattiesburg and City of Petal
Priority:	Low

Description: Members from each jurisdiction will actively pursue funding to relocate, retrofit or raise county owned critical facilities located within the Special Flood Hazard Area.

Responsible Department(s): City of Hattiesburg Urban Development, Forrest County Planning Department and City of Petal Building Department.

Cost Estimate: $600,000.00

Funding Source: Federal and state grants.

Schedule: Within the next five years.

Project Name:	Stream Corridor Reforestation
Mitigation Action:	To reestablish corridors along river and streambeds in Forrest County.
Mitigation Strategy:	Flooding, Land slide, and Erosion Control
Jurisdiction:	Forrest County, City of Hattiesburg and City of Petal
Priority:	Low

Description: Each participating jurisdiction will work with the local Soil and Water Conservation District, Natural Resources Conservation Service and the Forest Service to establish reforested corridors along river and stream beds.

Responsible Department(s): City of Hattiesburg Urban Development, Forrest County Planning Department and City of Petal Building Department.

Cost Estimate: $550,000.00

Funding Source: Emergency Watershed Protection (EWP) and other environmentally based programs.

Schedule: Within the next five years.

Project Name:	Acquisition/Relocation
Mitigation Action:	Actively pursue and buy those properties that are considered repetitive loss properties.
Mitigation Strategy:	Flooding
Jurisdiction:	Forrest County, City of Hattiesburg and City of Petal
Priority:	Low

Description: Representatives from each jurisdiction will develop a prioritized list of properties that are within the Special Flood Hazard Area (SFHA). The county will then acquire (buyout) these properties if state or federal monies are available. The primary emphasis will be on existing repetitive loss properties.

Responsible Department(s): City of Hattiesburg Public Services, Forrest County Planning Department, City of Petal Building Department and Emergency Management.

Cost Estimate: $2,200,000.00

Funding Source: Federal and state grants.

Schedule: Within the next five years.

Policies and Programs

As discussed in Chapter 4, Capability Assessment, Table 4 – 1, Plans and Implementation Measures, each participating jurisdiction has policies and implementation tools in place to mitigate hazards. Also, the participating jurisdictions have capital improvement programs that can include mitigation strategies projects, either to totally fund, to partially fund, and/or to use as match with federal funds.

6. Plan Amendment

Evaluations and Updates

In accordance with 44 CFR 201.6(c)(4)(i), this plan will be periodically revised and updated to ensure that the goals outlined in this document along with mitigation actions continue to address the participating jurisdiction's specific vulnerabilities, and are in full compliance with State and Federal Regulations. All participating jurisdictions will be involved in the Hazard Mitigation Council and each jurisdiction will annually rotate the responsibility for the coordination of the planning committee. The Hazard Mitigation Council will be responsible for evaluations and updates to the Hazard Mitigation Plan.

The Hazard Mitigation Council will meet at least quarterly to discuss and coordinate mitigation projects and review the Hazard Mitigation Plan. The results of the annual review will be summarized in a report and included with the plan as an appendix. Every three to five years, the plan will be reviewed to determine if significant changes have occurred that necessitate a plan update.

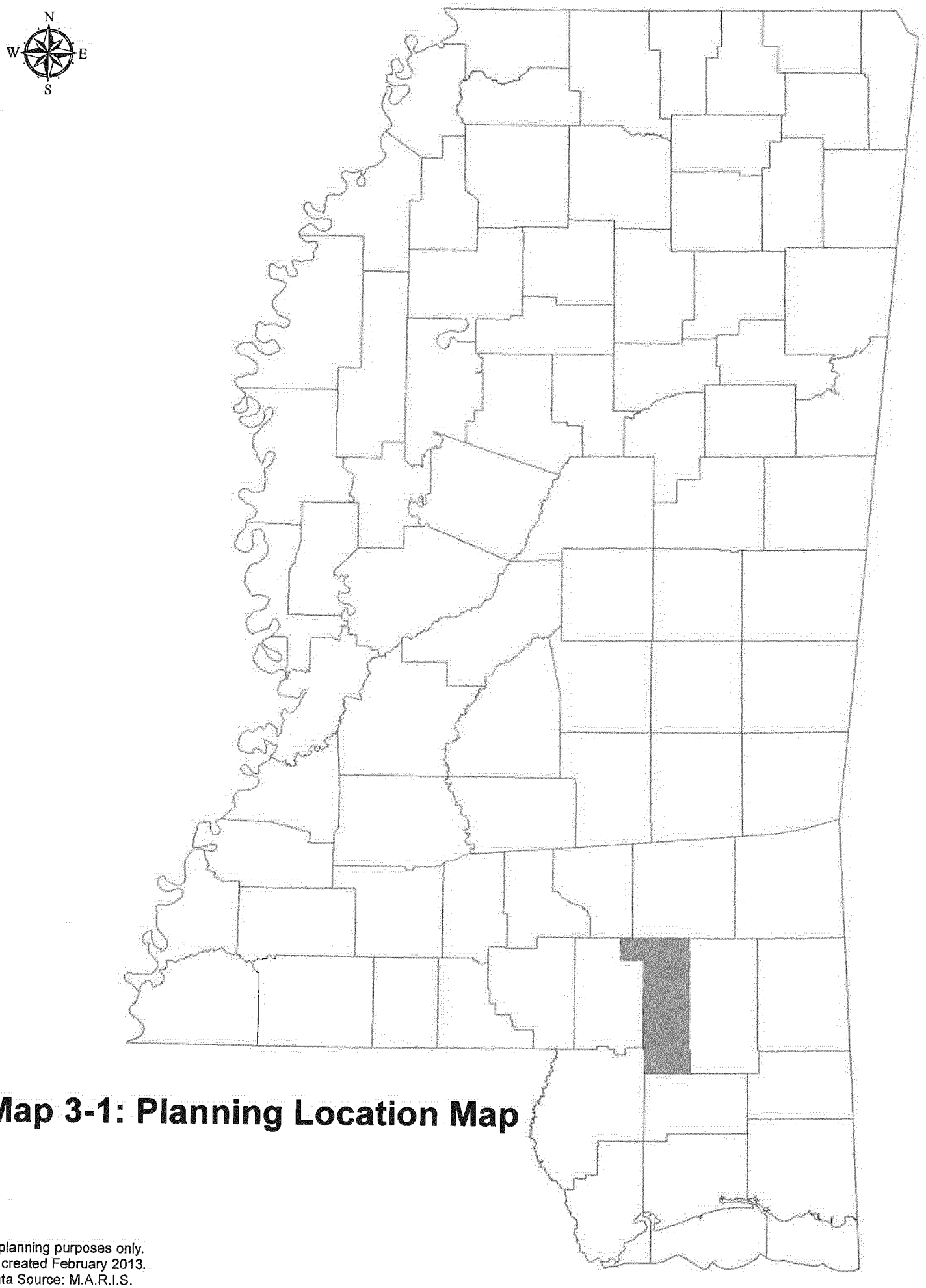
Continued Public Involvement

The Hazard Mitigation Council will ensure public involvement through the implementation of this plan and the review of the plan. This council will continue to be comprised of different segments of the community that include citizens, public officials, stakeholders and other interested groups.

In addition, each participating jurisdiction will have websites that provide information on the Hazard Mitigation Plan and ways for on-going public input on hazard mitigation and mitigation projects. Any public input will be a part of the Hazard Mitigation Council quarterly meetings and included in the annual review. When the Hazard Mitigation Plan is updated with significant changes, the amended plan will be adopted and additional public hearings and reviews will be conducted.

Other Planning Mechanisms

As mentioned in Section 5, each participating jurisdiction has a number of regulatory policies in place that guide development. Examples of these planning mechanisms include the Comprehensive Plan, Zoning Ordinances, Building Codes, Flood Ordinances, and Stormwater Protection Ordinance. As revisions are made to these documents, each participating jurisdiction will ensure that hazard mitigation planning and elements of the Hazard Mitigation Plan are reviewed and where applicable, incorporated into the updated documents.



Map 3-1: Planning Location Map

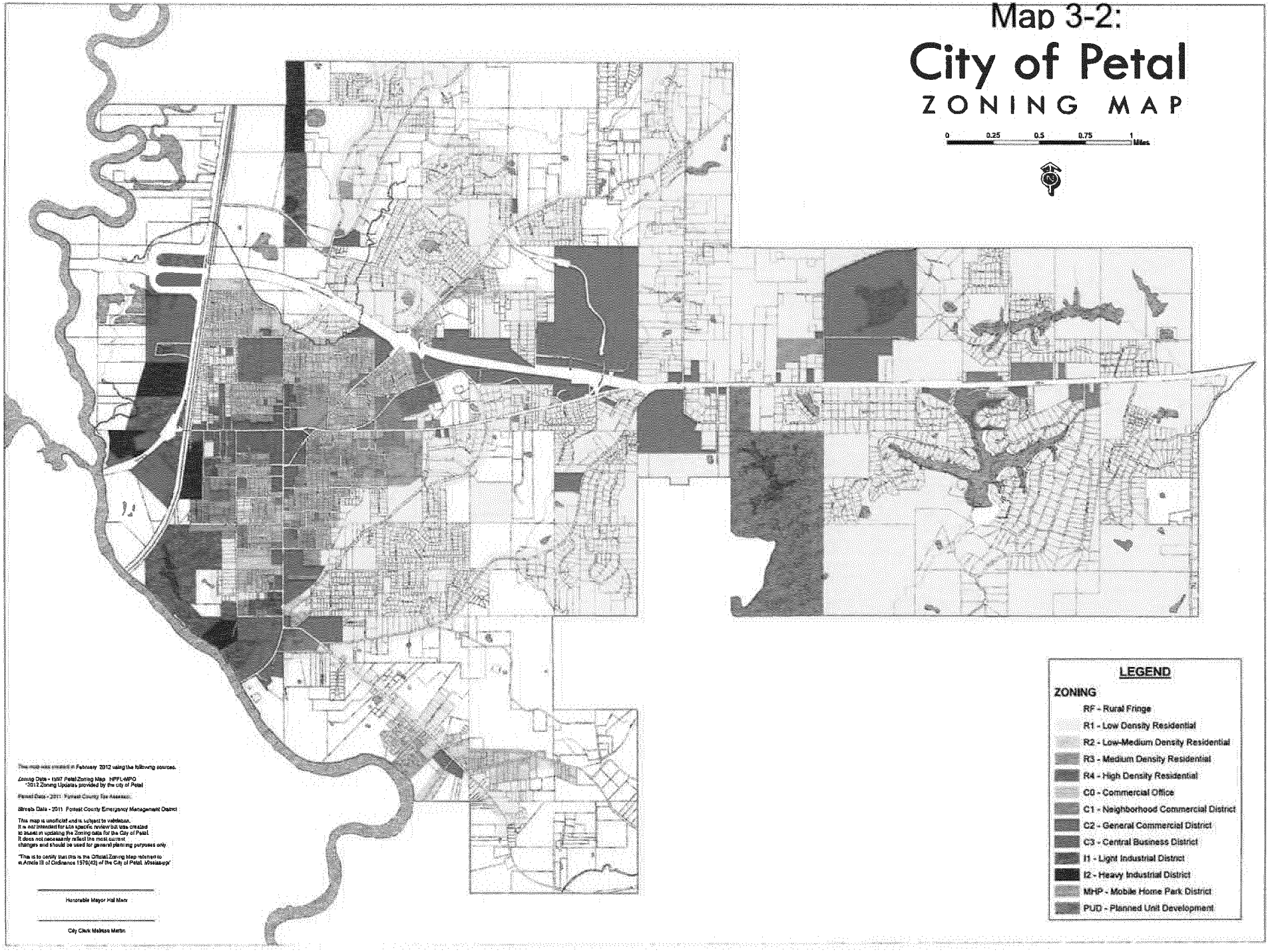
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.

Map 3-2:

City of Petal

ZONING MAP

0 0.25 0.5 0.75 1 Miles



LEGEND

ZONING

- RF - Rural Fringe
- R1 - Low Density Residential
- R2 - Low-Medium Density Residential
- R3 - Medium Density Residential
- R4 - High Density Residential
- C0 - Commercial Office
- C1 - Neighborhood Commercial District
- C2 - General Commercial District
- C3 - Central Business District
- I1 - Light Industrial District
- I2 - Heavy Industrial District
- MHP - Mobile Home Park District
- PUD - Planned Unit Development

This map was created in February 2012 using the following sources.

Zoning Data - 1997 Petal Zoning Map HPFL-MPO
*2012 Zoning Updates provided by the city of Petal

Parcel Data - 2011 Forrest County Tax Assessor

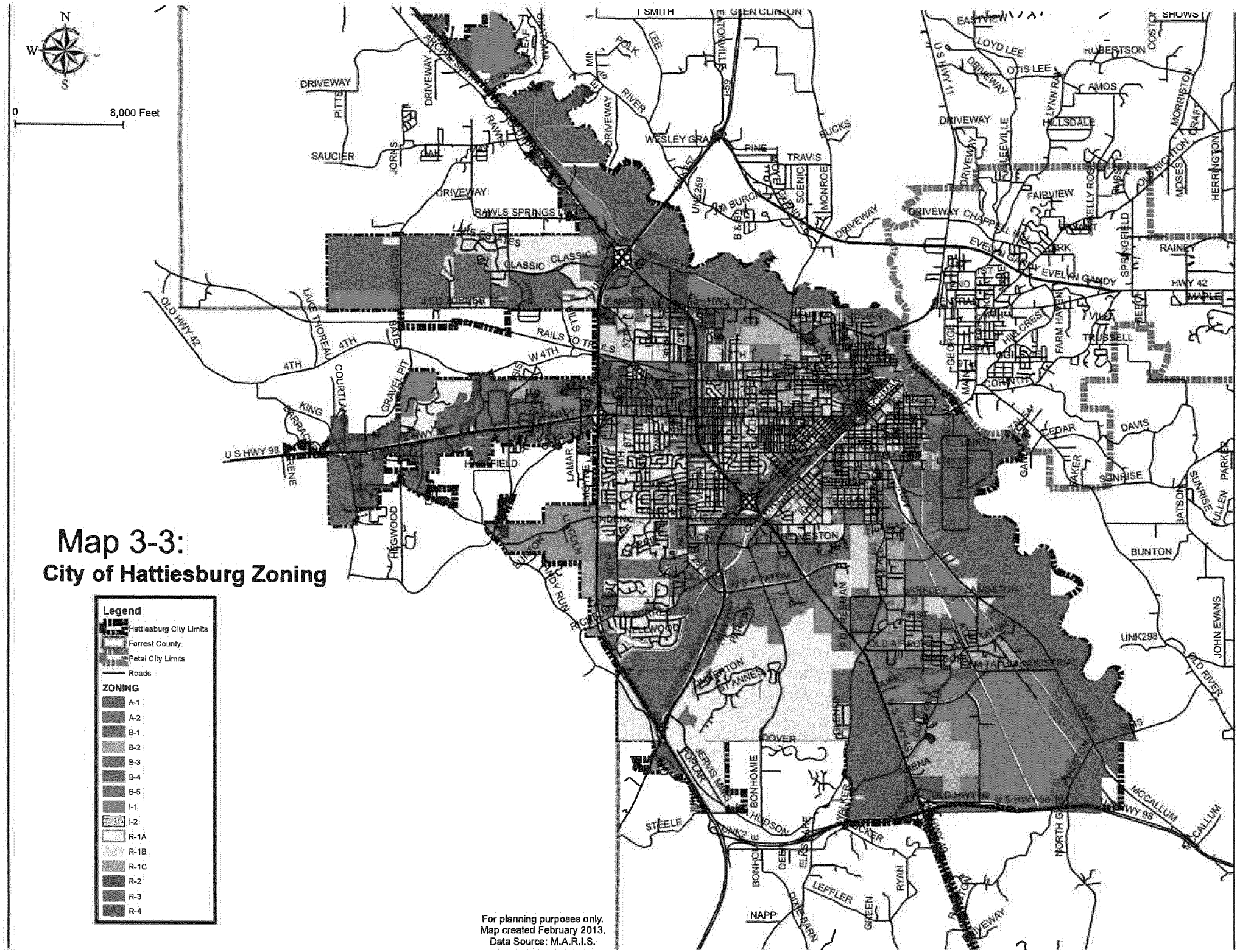
Streets Data - 2011 Forrest County Emergency Management District

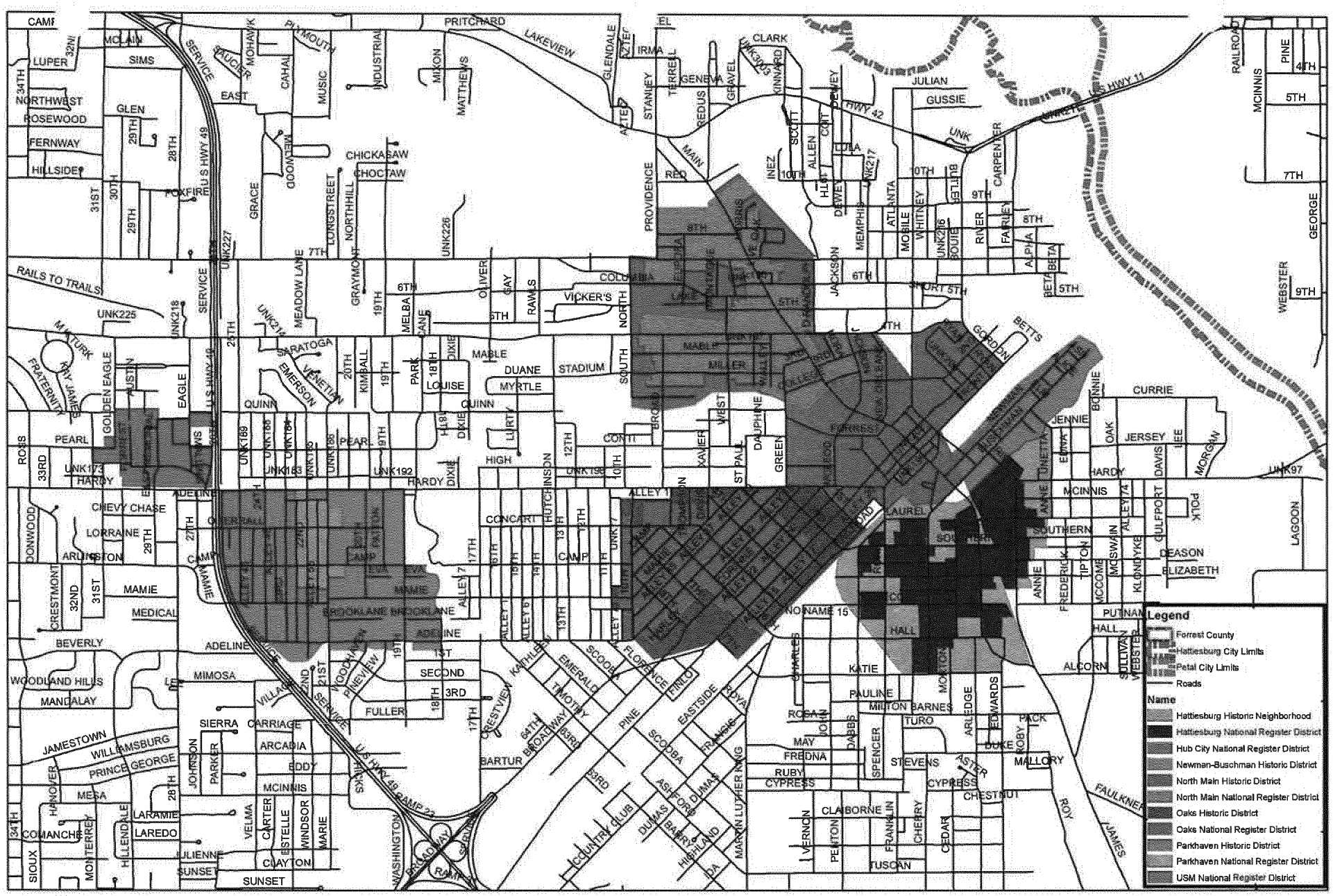
This map is unofficial and is subject to validation.
It is not intended for site specific review but was created
to assist in updating the Zoning data for the City of Petal.
It does not necessarily reflect the most current
changes and should be used for general planning purposes only.

"This is to certify that this is the Official Zoning Map referred to
in Article III of Ordinance 1978(40) of the City of Petal, Mississippi"

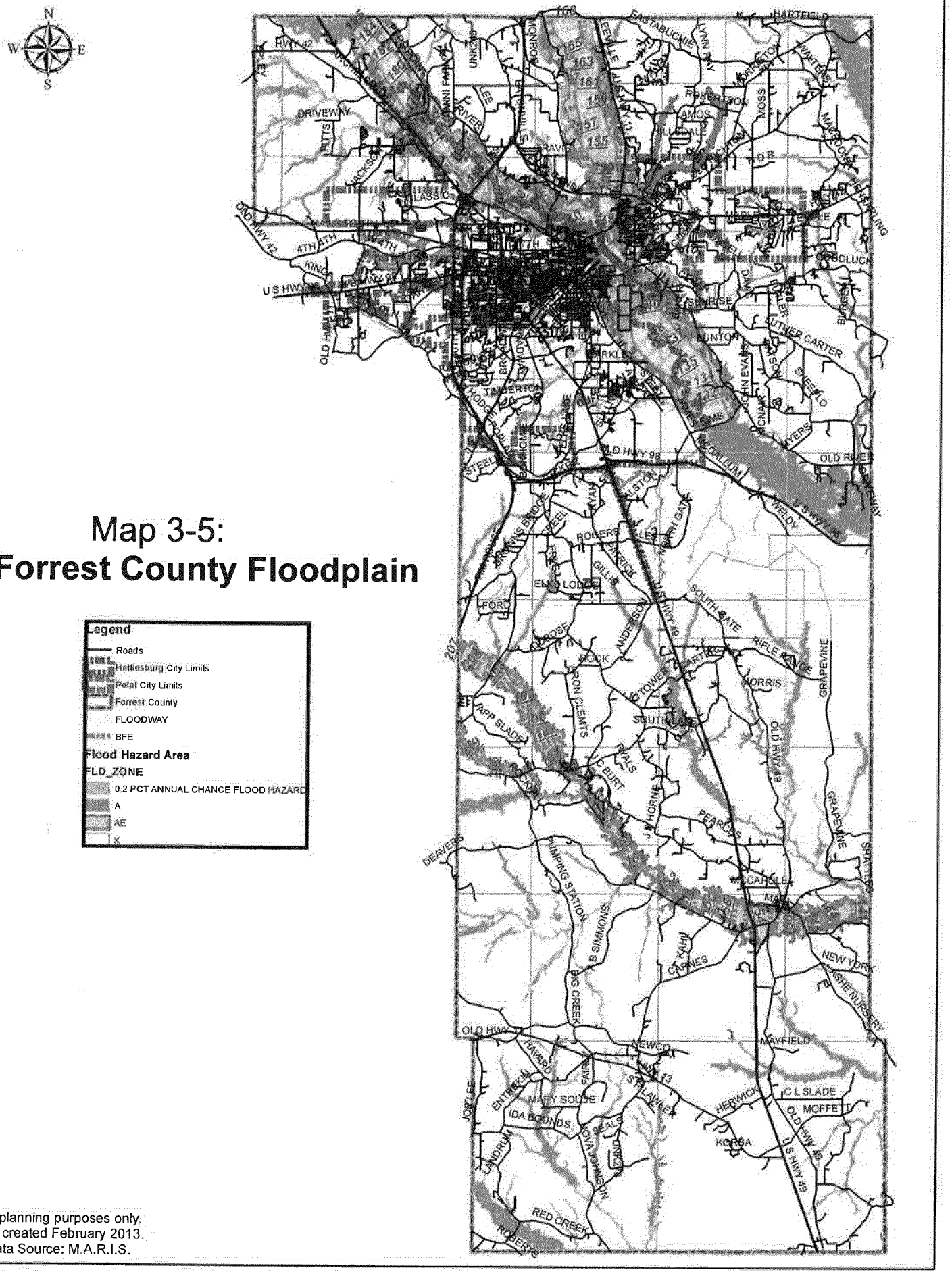
Honorable Mayor Hal Marx

City Clerk Melissa Martin


N
W
S
0
8,000 Feet
Map 3-3:
City of Hattiesburg Zoning
Legend
Hattiesburg City Limits
Forrest County
Petal City Limits
Roads
ZONING
A-1
A-2
B-1
B-2
B-3
B-4
B-5
I-1
I-2
R-1A
R-1B
R-1C
R-2
R-3
R-4
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.

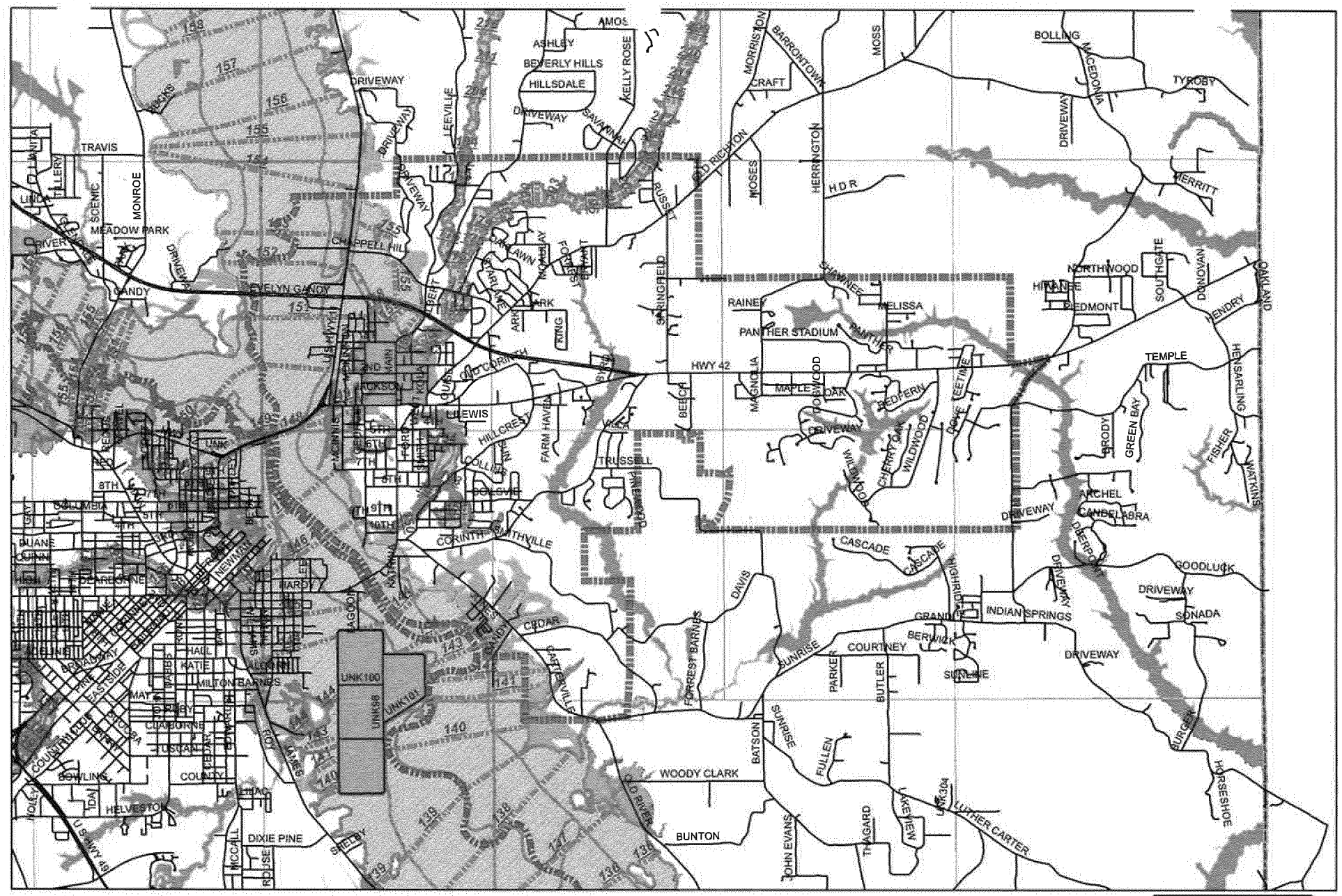


Map 3-4: **City of Hattiesburg Historic Districts**

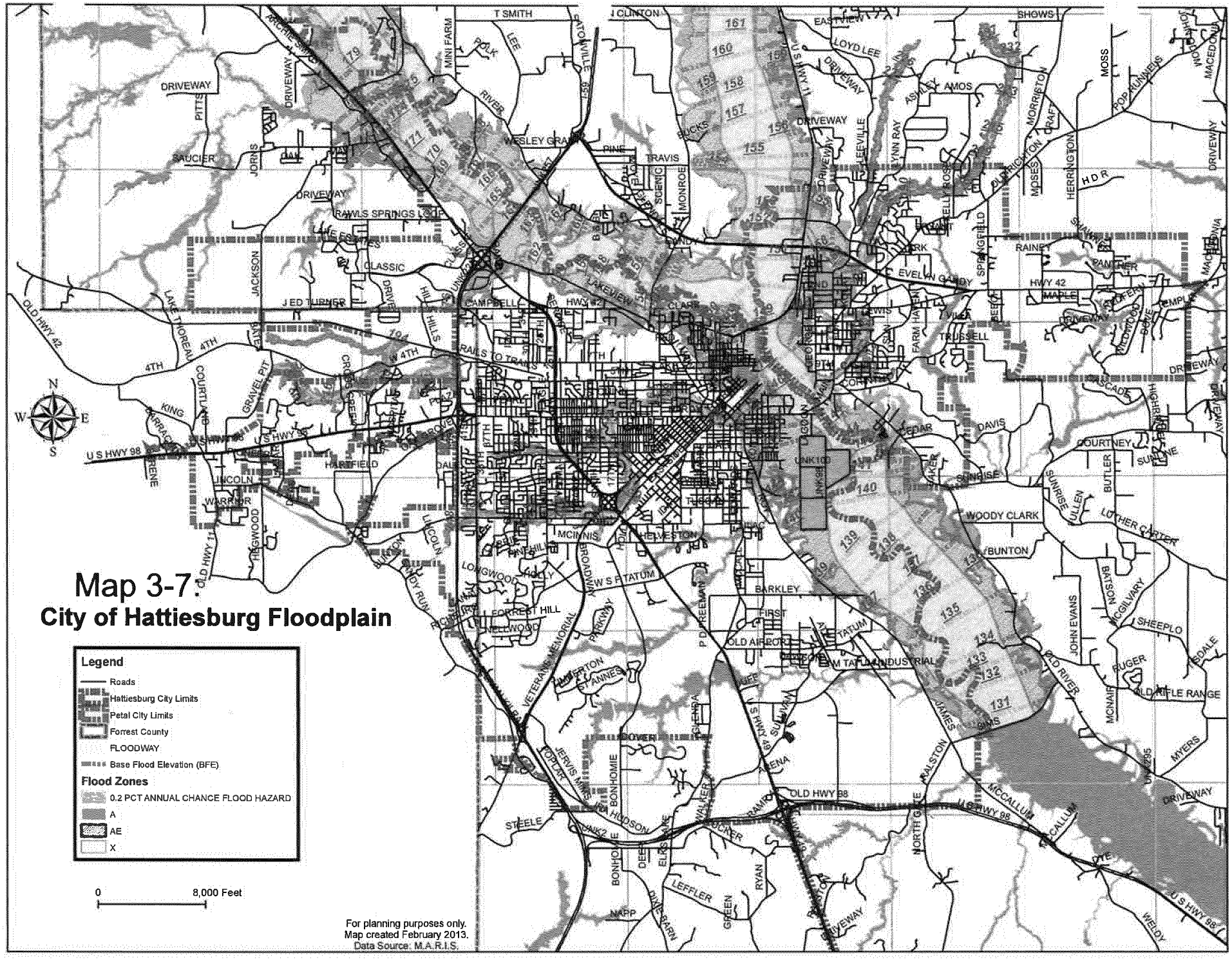


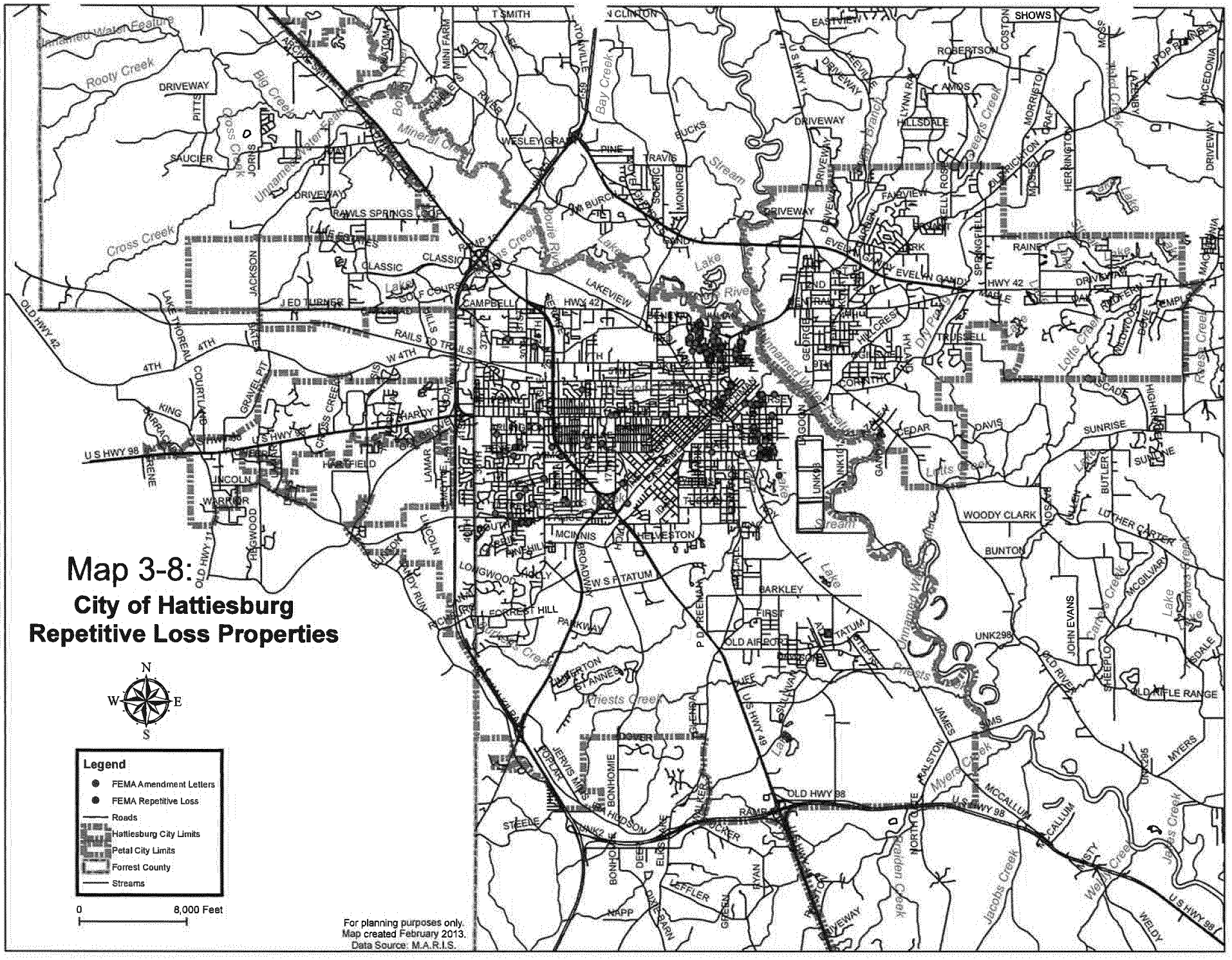
Map 3-5:
Forrest County Floodplain

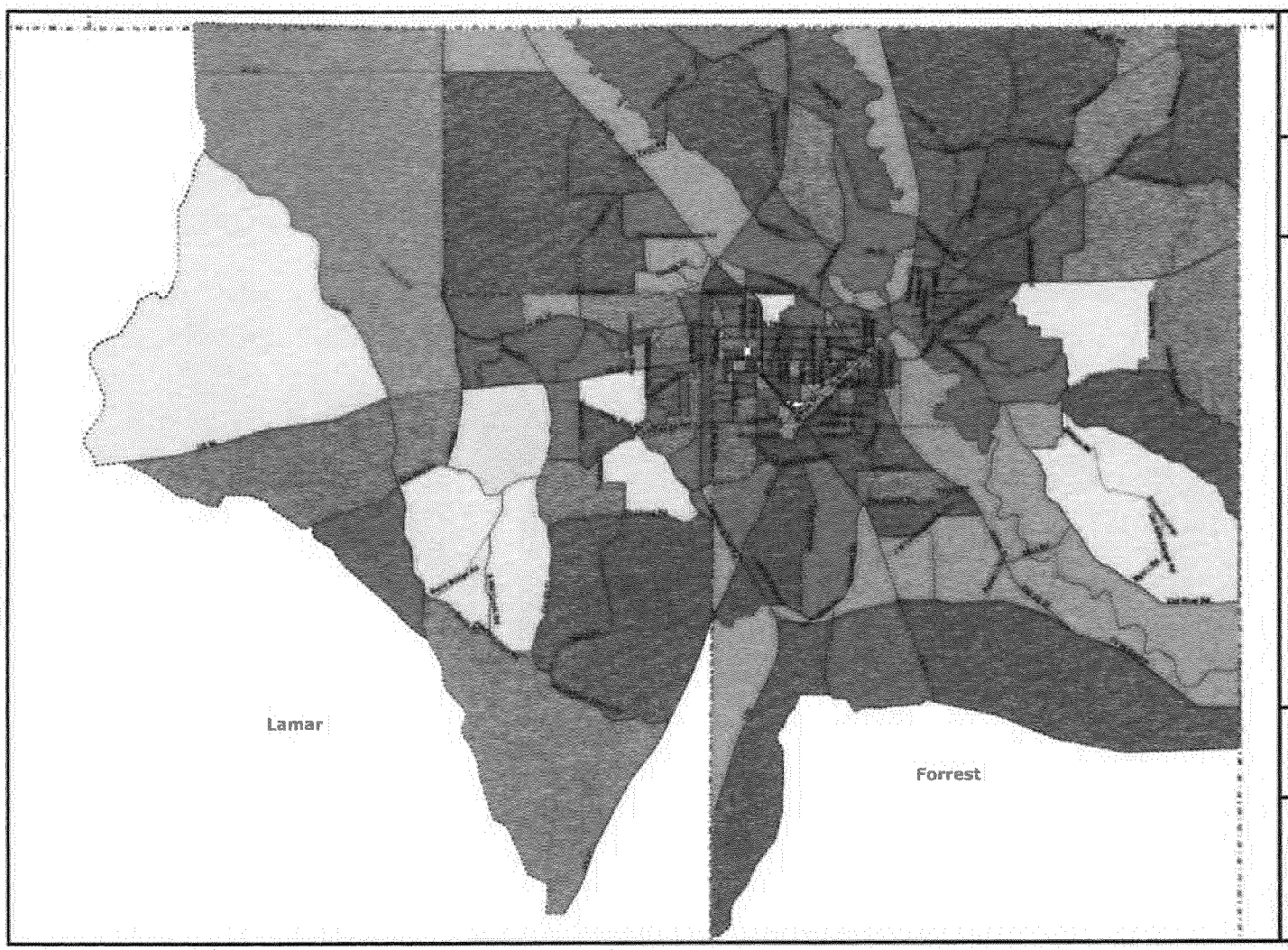
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.



Map 3-6: **City of Petal Floodplain**


Map 3-7:
City of Hattiesburg Floodplain
Legend
Roads
Hattiesburg City Limits
Petal City Limits
Forrest County
FLOODWAY
Base Flood Elevation (BFE)
Flood Zones
0.2 PCT ANNUAL CHANCE FLOOD HAZARD
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8,000 Feet
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.
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US HWY 98
OLD HWY 42
4TH
DRIVEWAY
JACKSON
LAKE TERRACE
CLASSIC
J ED TURNER
CAMPBELL
HWY 42
LAKEVIEW
RAILS TO TRAILS
W 4TH
GRAVEL PIT
COURTLAND
KING
HARRIFIELD
LINCOLN
WARRIOR
HIGHWOOD
OLD HWY 11
BLUFF
BROADWAY
W S F TATUM
LONGWOOD
HOLLY
FORREST HILL
HILLCREST
MCINNIS
HOWZE
HELVESTON
BARKLEY
FIRST
OLD AIRPORT
INDUSTRIAL
VETERANS MEMORIAL
PARKWAY
HOUSTON
ST ANNES
JERVIS
BONHOMIE
HUDSON
STEELE
WALKER
ELKS LAKE
DEER
LEFFLER
GREEN
RYAN
NAPP
DIXIE BARN
OLD HWY 98
MCCALLUM
RALSTON
NORTH GATE
JAMES
MYERS
WIELDY
SUNRISE
CULLEN
BUTLER
LUTHER CARTER
WOODY CLARK
BUNTON
COURTNEY
SUNLINE
DAVIS
CEDAR
SHEEPLO
RUGER
OLD RIFLE RANGE
MCNAIR
OLD RIVER
JOHN EVANS
BATSON
MCGILVARY
EDALE
SPRINGFIELD
RAINEY
PANTHER
MAPLE
EVELYN GANDY
TRUSSELL
FARM HAVEN
LEWIS
CLARK
PARK
LOYD LEE
EASTVIEW
SHOWS
AMOS
ASHLEY
LYNN RAY
MOSES
MORRISTON
HERRINGTON
DRAFT
POP RUNNELS
MOSS
MACEDONIA
HDR
PINE
TRAVIS
WESLEY GRAY
SUENIC
MONROE
BUCKS
LEEVILLE
PATONVILLE
MINI FARM
POLK
LEE
RIVER
SAUCIER
JORNS
PITTS
RAWLS SPRINGS LOOP
CROSS CREEK
HILLS
SUNNYSIDE
CASCADE
HIGHRIDGE
UNK100
UNK95
UNK2
UNK3
UNK4
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Map 3-8:
City of Hattiesburg
Repetitive Loss Properties
N
W
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Legend
FEMA Amendment Letters
FEMA Repetitive Loss
Roads
Hattiesburg City Limits
Petal City Limits
Forrest County
Streams
0
8,000 Feet
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.



HPFL MPO
METROPOLITAN
TRANSPORTATION PLAN
2035

Map 3-9:
2008 Population

Legend

Map layers:
Model TAZ
County
Roadway Network

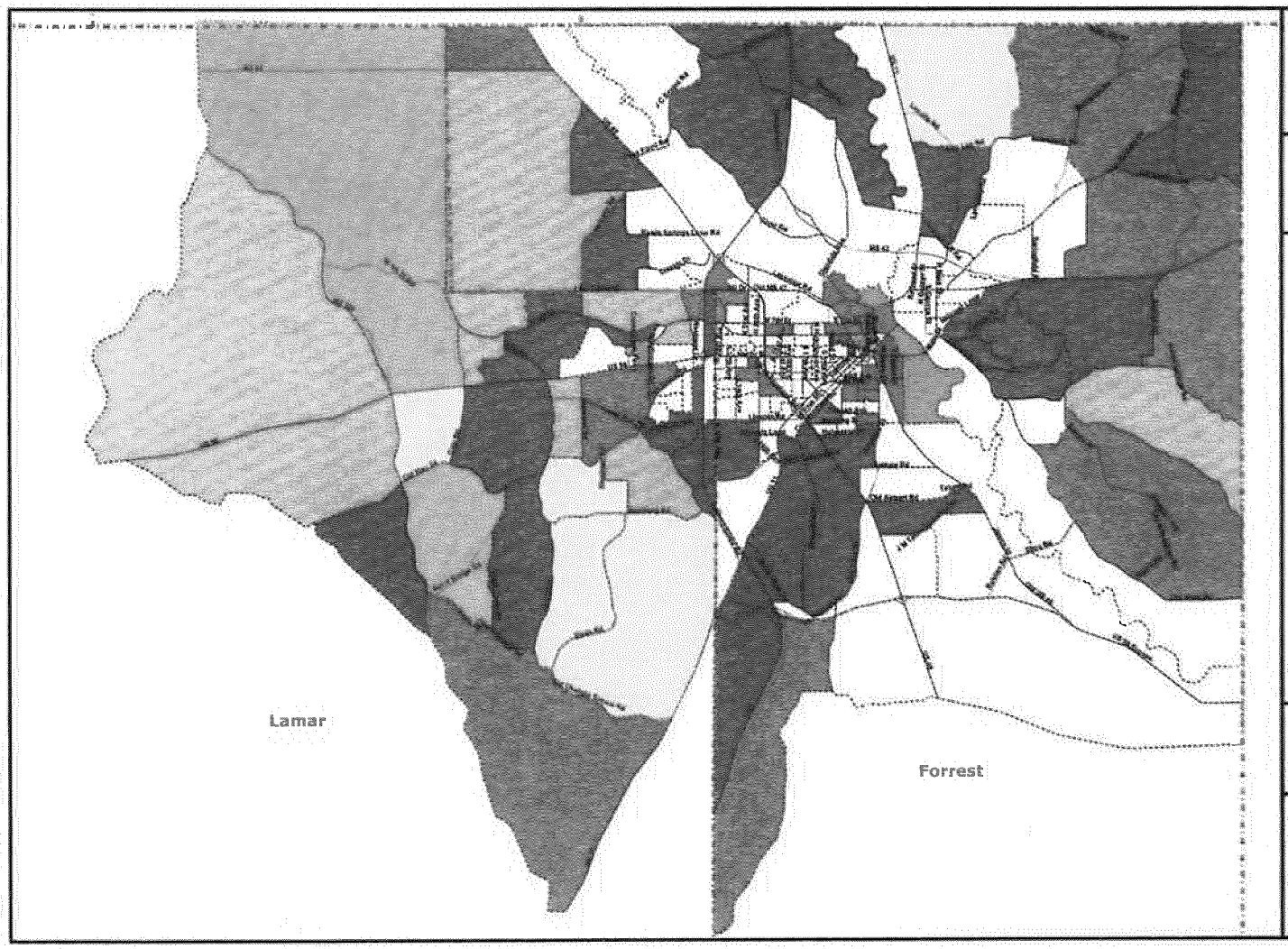
Persons
0
1 to 150
151 to 300
301 to 500
501 to 1000
1001 to 1500
1501 to 2000
2001 to 3000
3001 to 4000
>4000

Source: NSI, Census Bureau

Prepared For:
MDOT

Prepared By:
NEEL-SCHAFFER

In Association With:



HPFL MPO
METROPOLITAN TRANSPORTATION PLAN
2035

Map 3-10:
2008-2035 Population Change

Legend

Map layers
Model TAZ
County
Roadway Network

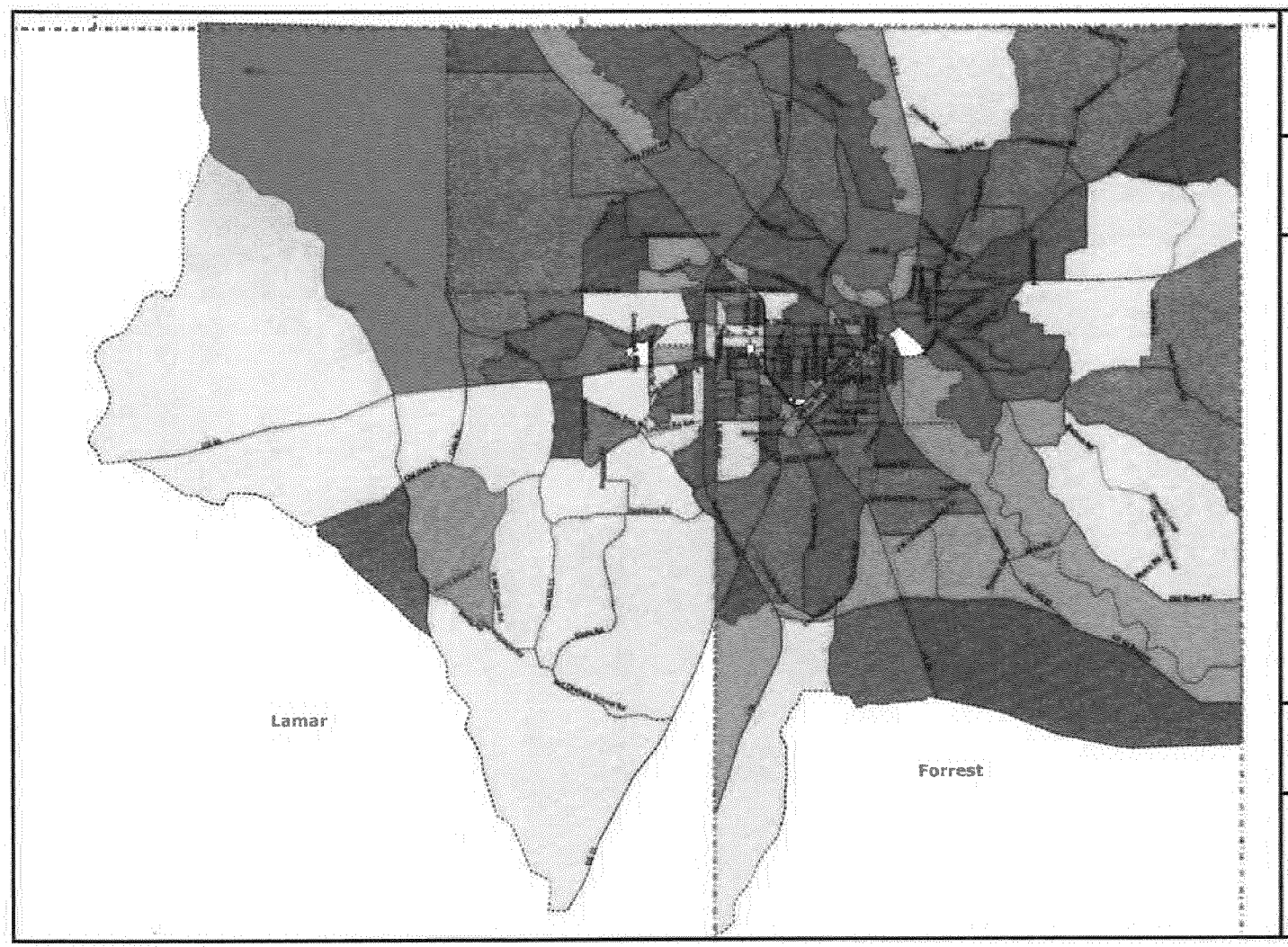
Population Change
-50 or more
-26 to -50
-11 to -25
-1 to -10
0
1 to 250
251 to 500
501 to 750
751 to 1000
1001 to 2000
2001 to 3000
>3000

Source: HPFL MPO, NSI

Prepared For:
MDOT

Prepared By:
NEEL-SCHAFFER

In Association With:



HPFL MPO
METROPOLITAN
TRANSPORTATION PLAN
2035

Map 3-11:
2035 Total Dwelling Units

Legend

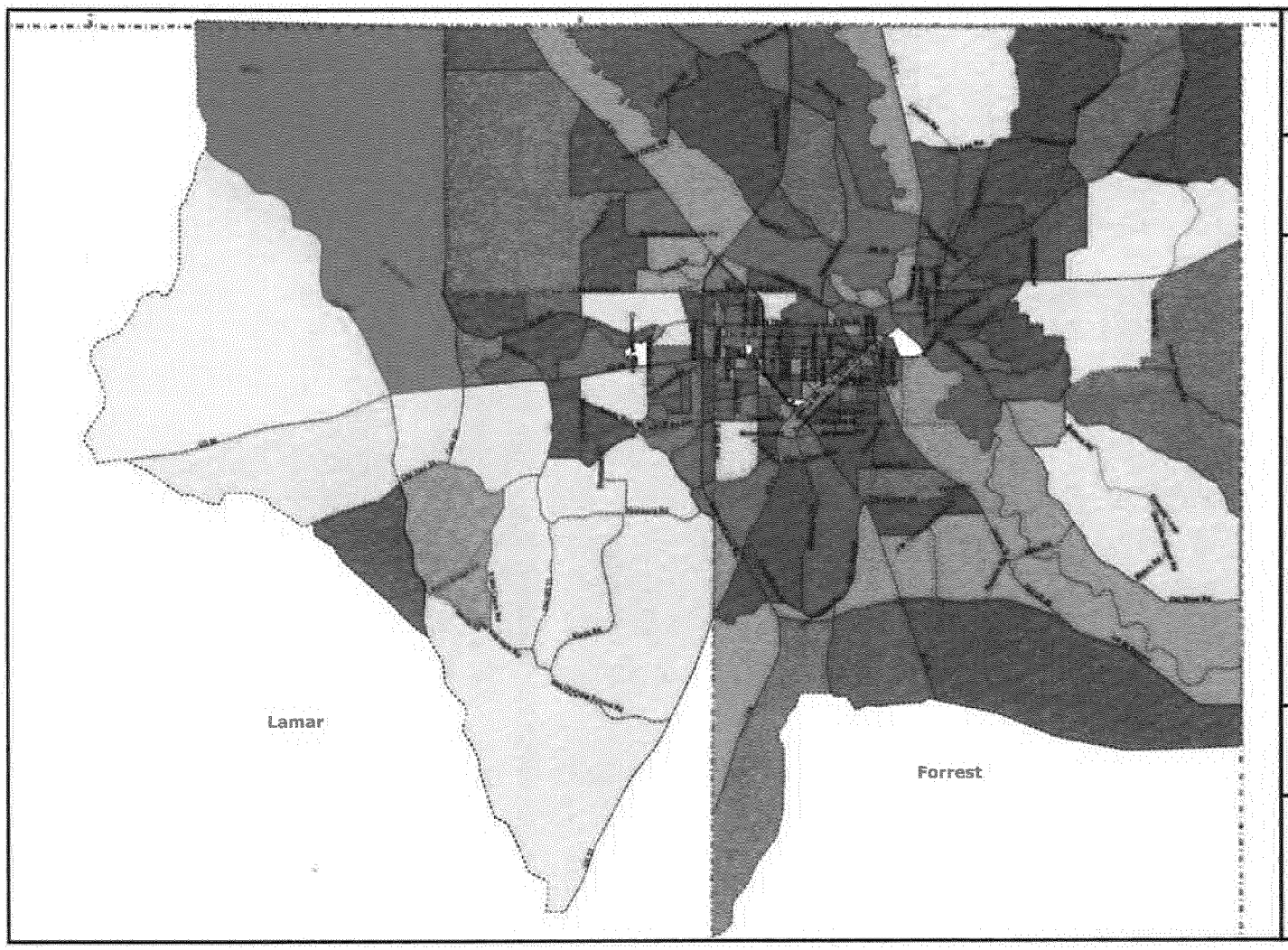
Map layers
Model TAZ
County
Roadway Network
Total Dwelling Units
0
1 to 50
51 to 100
101 to 200
201 to 300
301 to 500
501 to 750
751 to 1000
1001 to 1300
>1300

Source: HPFL MPO, NSI

Prepared For:
MDOT

Prepared By:
NEEL-SCHAFFER

In Association With:
WilburSmith



HPFL MPO
METROPOLITAN
TRANSPORTATION PLAN
2035

Map 3-12:

2035 Population

Legend

Map layers
Model TAZ
County
Roadway Network
Persons
1 to 150
151 to 300
301 to 500
501 to 1000
1001 to 1500
1501 to 2000
2001 to 3000
3001 to 4000
>4000

Source: HPFL MPO, NSI

Prepared For:

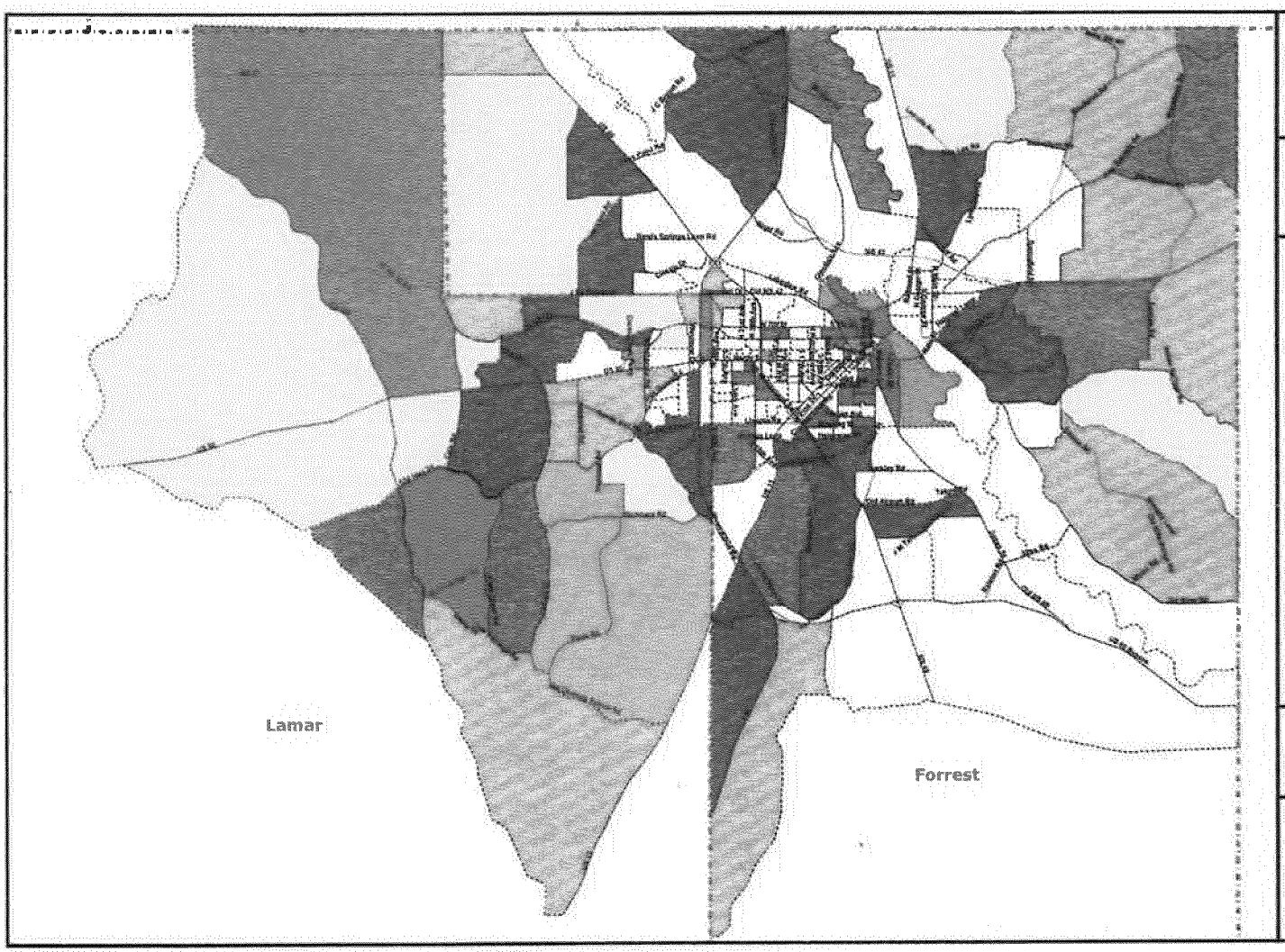
MDOT

Prepared By:

NEEL-SCHAFFER

In Association With:

DRAFT 3-15



HPFL MPO
METROPOLITAN
TRANSPORTATION PLAN
2035

Map 3-13:
2008-2035
Dwelling Unit Change

Legend

Map layers
Model TAZ
County
Roadway Network

Dwelling Unit Change
-25 or more
-11 to -25
-6 to -10
-1 to -5
0
1 to 50
51 to 100
101 to 200
201 to 300
301 to 400
401 to 500
>500

Source: HPFL MPO, NSI

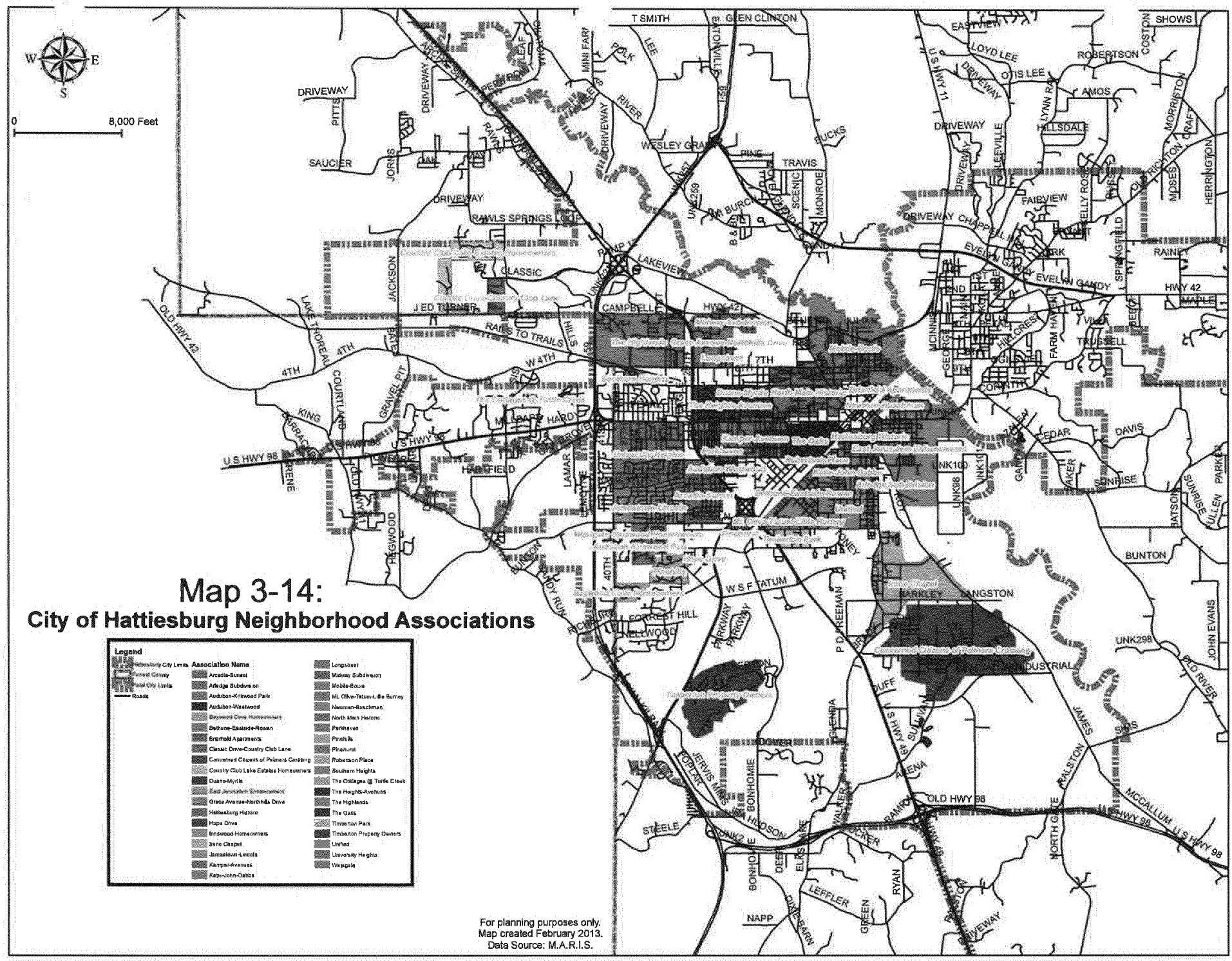
Prepared For:

MDOT

Prepared By:

NEEL-SCHAFFER

In Association With:


W
E
S
0
8,000 Feet
Map 3-14:
City of Hattiesburg Neighborhood Associations
Legend
Association Name
Arcadia-Sunset
Arledge Subdivision
Audubon-Kirkwood Park
Audubon-Westwood
Bayswood Cove Homeowners
Bethune-Eastside-Rowan
Brarfield Apartments
Classic Drive-Country Club Lane
Concerned Citizens of Palmers Crossing
Country Club Lake Estates Homeowners
Duans-Myrtle
East Jerusalem Encampment
Grace Avenue-Northhills Drive
Hattiesburg Historic
Hope Drive
Innswood Homeowners
Irene Chapel
Jamestown-Lincoln
Kampar-Avenues
Katie-John-Dabbs
Longstreet
Midway Subdivision
Mobile-Bouie
Mt. Olive-Tatum-Lillie Burney
Newman-Buschman
North Main Historic
Penhaven
Pinehills
Pinehurst
Robertson Place
Southern Heights
The Cottages @ Turtle Creek
The Heights-Avenues
The Highlands
The Oaks
Timberton Park
Timberton Property Owners
Unified
University Heights
Westgate
For planning purposes only.
Map created February 2013.
Data Source: M.A.R.I.S.



Map 3-15:
Residential Developments

Roads

Municipalities

Residential

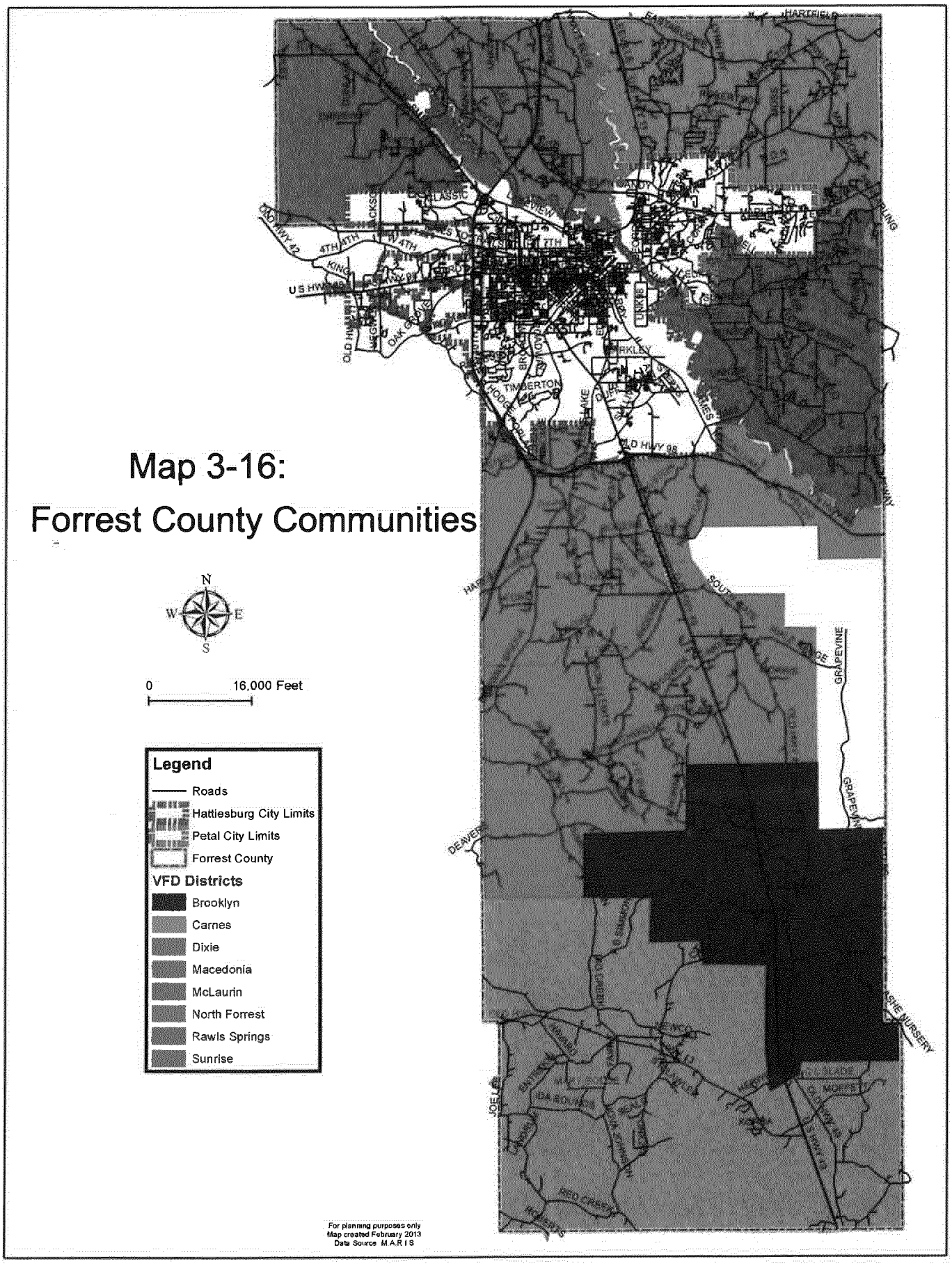
N

W E

S

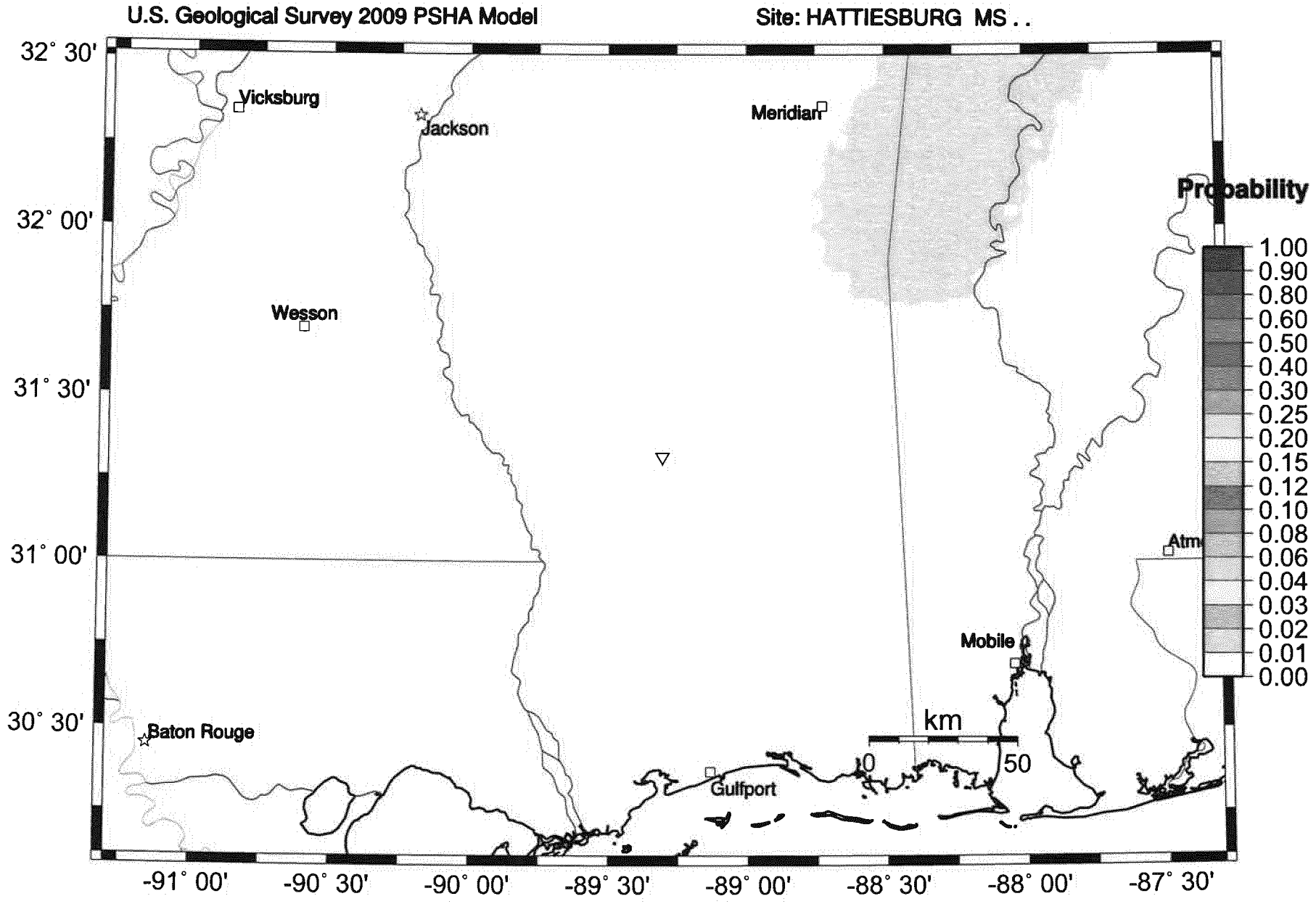
0 7,000 14,000 28,000 Feet

FOR PLANNING PURPOSES ONLY
DATA SOURCES: Neel-Schaffer, Inc., City of Hattiesburg and Forrest County


Map 3-16:
Forrest County Communities
N
W
E
S
0
16,000 Feet
Legend
Roads
Hattiesburg City Limits
Petal City Limits
Forrest County
VFD Districts
Brooklyn
Carnes
Dixie
Macedonia
McLaurin
North Forrest
Rawls Springs
Sunrise
For planning purposes only
Map created February 2013
Data Source M.A.R.I.S

Map 3-1.7:

Probability of earthquake with M > 5.0 within 50 years & 50 km



GMT 2013 Aug 12 21:53:32 Earthquake probabilities from USGS OFR 08-1128 PSHA. 50 km maximum horizontal distance. Site of interest: triangle. Epicenters mb>5 black circles; rivers blue.

FOR PUBLIC DISSEMINATION

Appendix A
Resolutions Forming Multi-Hazard Mitigation Committee

FORREST COUNTY, MISSISSIPPI
FACT SHEET AND BOARD ORDER

AGENDA ITEM NO. 25 **DATE** January 19, 2012

INTRODUCED BY Betty Carlisle, County Administrator

BRIEF TITLE Resolution for Commitment to Hazard Mitigation

EXHIBITS FOR REVIEW Resolution

RECOMMENDATION (exact wording for Agenda)

Approve and authorize the Board President to execute, the Resolution for Commitment to Hazard Mitigation for the purpose of reducing future disaster losses in Forrest County in conjunction with the update of the 2007 hazard Mitigation Plan including the jurisdictions of Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District.

BOARD ACTION

☒ Approved ☐ Rejected

☐ Information only ☐ No Action

Amended to read as follows:

MOTION MADE BY Charles Marshall **SECONDED BY** Roderick Woullard

MEMBERS VOTED:

DAVID HOGAN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHARLES MARSHALL	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
BURKETT ROSS	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
RODERICK WOULLARD	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHRIS BOWEN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT

SO ORDERED AND APPROVED On this the 19th **day of** January **,** 2012

BOOK 542 PAGE 0238

RESOLUTION

COMMITTING TO HAZARD MITIGATION

FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES

IN FORREST COUNTY, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of Forrest County, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens and significantly reduce the loss of life and property from natural hazards, and

WHEREAS, a concerted effort has been made by Forrest County to address hazard mitigation in its respective plans, policies and programs; and

WHEREAS, hazard mitigation goals and objectives can be effectively developed through participating in the update of the 2007 Hazard Mitigation Plan approved by the Mississippi Emergency Management Agency:

NOW THEREFORE, LET IT BE RESOLVED, We, the Board of Supervisors of Forrest County, do hereby resolve to participate in and contribute to the update of the Hazard Mitigation Plan including the jurisdictions of Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District, and to publicly review, revise and consider adoption of said updated plan.

1. We appoint Kara W. Drane, AICP, Planning Director and J. Corey Proctor, Senior Planner, to be our primary representatives along with three citizens as determined by the Board of Supervisors, to the Hazard Mitigation Council, with the responsibility of representing the concerns of Forrest County, municipalities, and private entities. Such concerns will be identified through comprehensive coordination with these entities.
2. The appointed representatives will have the authority to represent these entities in developing and implementing necessary plans and policies subject to Board approval.
3. We understand that this planning effort includes:
    a. Identifying the natural hazards and analyzing the risks that affect our community;
    b. Assessing our vulnerability to these hazards;
    c. Reviewing and evaluating the effectiveness of our current local hazard mitigation plans, programs and policies related to the natural hazards;
    d. Developing an integrated regional Hazard Mitigation Strategy, with goals and objectives for implementing the strategy;

e. Submitting the plan to all the affected local governments for consideration for approval as a condition of future Federal Disaster Mitigation Assistance; and

f. Requiring our best efforts to implement, evaluate and update the Hazard Mitigation Plan as required, but not less than every five years.

WHEREUPON, Supervisor MARSHALL moved the adoption of the foregoing Resolution, Supervisor WOULLARD seconded said motion and the following vote was had:

David Hogan, President, District 1	AYE
Charles Marshall, District 2	AYE
Burkett Ross, District 3	AYE
Roderick Woullard, Vice President, District 4	AYE
Chris Bowen, District 5	AYE

The Resolution having received the affirmative vote of a majority of all the members of the Board of Supervisors, the same was declared passed and adopted at a regular meeting of the Board of Supervisors of Forrest County, Mississippi, on this the 19th day of January, 2012.

SIGNED: _____
David Hogan, President, District 1

ATTESTED BY: _____
Jimmy C. Havard, Chancery Clerk

BOOK 542 PAGE 0240

RESOLUTION

COMMITTING TO HAZARD MITIGATION

FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES

IN HATTIESBURG, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of the City of Hattiesburg, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens and significantly reduce the loss of life and property from natural hazards, and

WHEREAS, a concerted effort has been made by the City of Hattiesburg to address hazard mitigation in its respective plans, policies and programs; and

WHEREAS, hazard mitigation goals and objectives can be effectively developed through participating in the update of the 2007 Hazard Mitigation Plan approved by the Mississippi Emergency Management Agency:

NOW THEREFORE, LET IT BE RESOLVED, We, the Mayor and City Council of the City of Hattiesburg, do hereby resolve to participate in and contribute to the update of the Hazard Mitigation Plan including the jurisdictions of Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District, and to publicly review, revise and consider adoption of said updated plan.

1. We appoint Lisa J. Reid, CFM, Planning Administrator, to be our primary representatives along with the following citizens:

   Wayne Landers, Public Safety Officer for the Forrest General Hospital;
   Rodney Gresham, Plant Services Manager for Wesley Medical Center; and
   a representative from South Group Insurance Services (Glenn and/or Roman Galey)

   to the Hazard Mitigation Council, with the responsibility of representing the concerns of the City of Hattiesburg, and private entities. Such concerns will be identified through comprehensive coordination with these entities.
2. The appointed representatives will have the authority to represent these entities in developing and implementing necessary plans and policies subject to Council approval.
3. We understand that this planning effort includes:

a. Identifying the natural hazards and analyzing the risks that affect our community;

b. Assessing our vulnerability to these hazards;

c. Reviewing and evaluating the effectiveness of our current local hazard mitigation plans, programs and policies related to the natural hazards;

d. Developing an integrated regional Hazard Mitigation Strategy, with goals and objectives for implementing the strategy;

e. Submitting the plan to all the affected local governments for consideration for approval as a condition of future Federal Disaster Mitigation Assistance; and

f. Requiring our best efforts to implement, evaluate and update the Hazard Mitigation Plan as required, but not less than every five years.

The foregoing Resolution having been reduced to writing, the same was introduced by Councilman, Carroll seconded by Councilman, Naylor and was adopted by the following vote to-wit:

YEAS: Bradley, Delgado, Carroll, Naylor NAYS: None ABSENT: Ware

THE President thereby declared the motion carried and the foregoing Resolution adopted and approved, this the 17th day of April A.D., 2012.

(S E A L)

ATTEST:

Debra K Bernardo
CLERK OF COUNCIL

ADOPTED:

Jim Bradley
PRESIDENT

THE above foregoing Resolution having been submitted to and approved by the Mayor, this the 17th day of April A.D., 2012.

ATTEST:

Eddie L Myers
CITY CLERK

APPROVED:

Henry L Ellis
MAYOR

RESOLUTION

COMMITTING TO HAZARD MITIGATION

FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES

IN THE CITY OF PETAL, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of the City of Petal, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens and significantly reduce the loss of life and property from natural hazards, and

WHEREAS, a concerted effort has been made by the City of Petal to address hazard mitigation in its respective plans, policies and programs; and

WHEREAS, hazard mitigation goals and objectives can be effectively developed through participating in the update of the 2007 Hazard Mitigation Plan approved by the Mississippi Emergency Management Agency:

NOW THEREFORE, LET IT BE RESOLVED, We, the Mayor and Board of Aldermen of the City of Petal, do hereby resolve to participate in and contribute to the update of the Hazard Mitigation Plan including the jurisdictions of Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District, and to publicly review, revise and consider adoption of said updated plan.

1. We appoint Joe Hendry, Chief of the Petal Fire Department, to be our primary representative along with three citizens as determined by the Mayor and Board of Aldermen, to the Hazard Mitigation Council, with the responsibility of representing the concerns of the City of Petal, Forrest County, the City of Hattiesburg, and private entities. Such concerns will be identified through comprehensive coordination with these entities.
2. The appointed representatives will have the authority to represent these entities in developing and implementing necessary plans and policies subject to approval by the Mayor and Board of Aldermen.
3. We understand that this planning effort includes:
    a. Identifying the natural hazards and analyzing the risks that affect our community;
    b. Assessing our vulnerability to these hazards;
    c. Reviewing and evaluating the effectiveness of our current local hazard mitigation plans, programs and policies related to the natural hazards;

d. Developing an integrated regional Hazard Mitigation Strategy, with goals and objectives for implementing the strategy;

e. Submitting the plan to all the affected local governments for consideration for approval as a condition of future Federal Disaster Mitigation Assistance; and

f. Requiring our best efforts to implement, evaluate and update the Hazard Mitigation Plan as required, but not less than every five years.

WHEREUPON, Alderman Stringer moved the adoption of the foregoing Resolution, Alderman Runnels seconded said motion and the following vote was had:

Alderman Craig Bullock	Aye
Alderman David Clayton	Aye
Alderman Tony Ducker	Aye
Alderman James Runnels	Aye
Alderman Steve Stringer	Aye

The Resolution having received the affirmative vote of a majority of all the members of the Board of Aldermen, the same was declared passed and adopted at a regular meeting of the Mayor and Board of Aldermen of the City of Petal, Mississippi, on this the 7th day of February, 2012.

SIGNED: _____
Hal Marx, Mayor

ATTESTED BY: _____
Melissa Martin, City Clerk

Appendix B
Multi-Hazard Mitigation Planning Committee Sign-In Sheets

MULTI JURISDICTIONAL HAZARD MITIGATION PLAN

MITIGATION COUNCIL

MEETING SIGN IN SHEET – FEBRUARY 28, 2012

Printed Name	Representative Agency
Lisa Reid	City of Hattiesburg
	City of Hattiesburg
Joe Hendry	City of Petal
	City of Petal
Kara Drane	Forrest County
Corey Pricter	Forrest County
Larry [illegible]	Emergency Management District
[illegible]	Emergency Management District
Beth Johnson	Emergency Management District

Multi-Jurisdictional Hazard Mitigation Meeting- Forrest County, City of Hattiesburg, City of Petal and The Emergency Management District

July 24, 2012

Sign In Sheet

Joe Mayday - Petal Fire

Kyle Hopkins - TEMD

Beth Johnson - TEMD.

Justin Heskew - City of Hattiesburg

Cy B Forrest Co.

Kara Drane Forrest Co.

Appendix C
Public Hearings

FORREST COUNTY, MISSISSIPPI
FACT SHEET AND BOARD ORDER

AGENDA ITEM NO. 10 **DATE** September 4, 2012

INTRODUCED BY Betty Carlisle, County Administrator

BRIEF TITLE Public Meeting - Hazard Mitigation Council

EXHIBITS FOR REVIEW Proof-of-Publication

RECOMMENDATION (exact wording for Agenda)

Acknowledge for recording in the Board Minutes the Proof-of-Publication of the Public Meeting Notice which was to be held by the Hazard Mitigation Council on Tuesday, August 28, 2012, at 4:00 p.m. at the Hattiesburg Intermodal Transportation Facility (Train Depot, 308 Newman Street), Community Room, to receive comments on the development of the updated Multi-Jurisdictional Hazard Mitigation Plan for Forrest County, the City of Hattiesburg, the City of Petal and the Emergency Management District, said Public Meeting was cancelled.

BOARD ACTION ☒ Approved ☐ Rejected ☐ Information only ☐ No Action

Amended to read as follows:

Authority to re-advertise.

MOTION MADE BY Charles Marshall **SECONDED BY** Chris Bowen

MEMBERS VOTED:

DAVID HOGAN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHARLES MARSHALL	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
BURKETT ROSS	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
RODERICK WOULLARD	☐ YES	☐ NO	☐ ABSTAIN	☒ ABSENT
CHRIS BOWEN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT

SO ORDERED AND APPROVED On this the 4th **day of** September **,** **2012**

PROOF OF PUBLICATION
THE STATE OF MISSISSIPPI
FORREST COUNTY

PERSONALLY appeared before me, the undersigned notary public in and for Forrest County, Mississippi,

KATHY BULLOCK

an authorized clerk of the HATTIESBURG AMERICAN, a daily newspaper published in the City of Hattiesburg, Forrest County, Mississippi who, being duly sworn, states that the notice, a true copy of which is hereto attached, appeared in the issues of said newspaper as follows:

8/15/2012
8/15/2012

Size: 269 words / 1.00 col. x 78.00 lines
Published: 1 time(s)
Total: $42.28

Signed Kathy Bullock
Authorized Clerk of
The Hattiesburg American

SWORN to and subscribed before me on 8/15/2012.

Jennifer J. Brogdon
Notary Public

Aug. 15, 2012
Date

(SEAL) STATE OF MISSISSIPPI * JENNIFER J. BROGDON * NOTARY PUBLIC ID# 90311 Commission Expires September 6, 2012 FORREST COUNTY

FILED AUG 16 2012 JIMMY C. HAVARD CHANCERY CLERK Forrest County, Miss.

PASTE PROOF HERE

H14569
FORREST COUNTY BOARD OF SUPERV,
0200413542
HAZARD MITIGATION COUNCIL

PUBLIC MEETING NOTICE

The The Hazard Mitigation Council will hold a public meeting on Tuesday, August 28, 2012, at 4:00 p.m at the Hattiesburg Intermodal Transportation Facility (Train Depot), Community Room, 308 Newman Street, Hattiesburg, MS 39401.

The purpose of the meeting is to receive comments on the development of the updated Multi-Jurisdictional Hazard Mitigation Plan that includes Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District.

Items proposed for discussion and public comment include, but are not limited to the following: Plan Approach, Hazards and Vulnerability Analysis, Capability Assessment, Mitigation Strategies and Plan Maintenance.

Comments and questions should be submitted to Kara W. Drane, AICP, Forrest County Planning Director at 601.583.7507 (kdrane@co.forrest.ms.us), Hal Marx, City of Petal Mayor 601.545.1776 (hmarx@cityofpetal.com), Justin Heskew, City of Hattiesburg, Historic Preservation Planner, at 601.545.4594 (jheskew@hattiesburgms.com), or Kyle Hopkins Emergency Management District, Operations Officer at 601.544.5911 (kyle@forresteoc.com). Copies of the current plan are available at Forrest County Paul B. Johnson Chancery Building, Hattiesburg City Hall, Petal City Hall and the Emergency Management District office.

Published by Order of the Forrest County Board of Supervisors adopted on the 9th day of August, 2012.

/s/David Hogan
David Hogan, President

ATTEST
/s/Jimmy C. Havard
Jimmy Havard, Chancery Clerk

Publish: August 15, 2012
0200413542-01

PUBLIC MEETING NOTICE

The Hazard Mitigation Council will hold a public meeting on September 25, 2012, at 5:00 p.m. at the Hattiesburg Intermodal Transportation Facility (Train Depot), Community Room, 308 Newman Street, Hattiesburg, MS 39401.

The purpose of the meeting is to review comments on the development of the updated Multi-Jurisdictional Hazard Mitigation Plan that includes Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District.

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Published by Order of the Forrest County Board of Supervisors adopted on the 4th day of September, 2012.

CHANCERY COURT FORREST COUNTY MS

David Hogan, President

ATTEST

Jimmy Havard, Chancery Clerk

TO THE HATTIESBURG AMERICAN: Publish one time on August 15, 2012 in the **LEGAL SECTION** and furnish Forrest County Board of Supervisors with two (2) Proofs of Publication.

FORREST COUNTY, CITY OF HATTIESBURG, CITY OF PETAL, AND THE EMERGENCY MANAGEMENT DISTRICT

HAZARD MITIGATION PLAN - PUBLIC HEARING
SEPTEMBER 25, 2012 – 5:00 P.M.

SIGN-IN SHEET

NAME	ADDRESS
Justin Heskew	200 Forrest Street
Glenn Gilley	P.O. Drawer 791 Hattiesburg, MS 39403
Kyle Hopkins	4040 U.S. Hwy 11 Hburg MS 39402
Craig Procter	641 MAIN ST, HATTIESBURG, MS 39401
Kara W. Drane	641 Main St, Hattiesburg MS

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Published by Order of the Forrest County Board of Supervisors adopted on the 4th day of September, 2012.

CHANCERY COURT FORREST COUNTY MS

David Hogan, President

ATTEST

Jimmy Havard, Chancery Clerk

TO THE HATTIESBURG AMERICAN: Publish one time on August 15, 2012 in the **LEGAL SECTION** and furnish Forrest County Board of Supervisors with two (2) Proofs of Publication.

PROOF OF PUBLICATION
THE STATE OF MISSISSIPPI
FORREST COUNTY

PERSONALLY appeared before me, the undersigned notary public in and for Forrest County, Mississippi,

KATHY BULLOCK

an authorized clerk of the HATTIESBURG AMERICAN, a daily newspaper published in the City of Hattiesburg, Forrest County, Mississippi who, being duly sworn, states that the notice, a true copy of which is hereto attached, appeared in the issues of said newspaper as follows:

9/12/2012
9/12/2012

Size: 268 words / 1.00 col. x 76.00 lines
Published: 1 time(s)
Total: $42.88

Signed Kathy Bullock
Authorized Clerk of
The Hattiesburg American

SWORN to and subscribed before me on 9/12/2012.

Jennifer J. Brogdon
Notary Public

Sept. 12, 2012
Date

(SEAL)
STATE OF MISSISSIPPI
NOTARY PUBLIC
ID # 90911
JENNIFER J. BROGDON
Commission Expires
Sept. 4, 2016
FORREST COUNTY

FILED
SEP 17 2012
JIMMY C. HAVARD
CHANCERY CLERK
Forrest County, Miss.

PASTE PROOF HERE

H14569
FORREST COUNTY BOARD OF SUPERV,
0200416366

PUBLIC MEETING NOTICE

The Hazard Mitigation Council will hold a public meeting on September 25, 2012, at 5:00 p.m. at the Hattiesburg Intermodal Transportation Facility (Train Depot), Community Room, 308 Newman Street, Hattiesburg, MS 39401.

The purpose of the meeting is to review comments on the development of the updated Multi-Jurisdictional Hazard Mitigation Plan that includes Forrest County, City of Hattiesburg, City of Petal and the Emergency Management District.

Items proposed for discussion and public comment include, but are not limited to the following: Plan Approach, Hazards and Vulnerability Analysis, Capability Assessment, Mitigation Strategies and Plan Maintenance.

Comments and questions should be submitted to Kara W. Drane, AICP, Forrest County Planning Director at 601.583.7507 (kdrane@co.forrest.ms.us), Hal Marx, City of Petal Mayor 601.545.1776 (hmarx@cityofpetal.com), Justin Heskew, City of Hattiesburg, Historic Preservation Planner, at 601.545.4594 (jheskew@hattiesburgms.com), or Kyle Hopkins, Emergency Management District, Operations Officer at 601.544.5911 (kyle@forresteoc.com). Copies of the current plan are available at Forrest County Paul B. Johnson Chancery Building, Hattiesburg City Hall, Petal City Hall and the Emergency Management District office.

Published by Order of the Forrest County Board of Supervisors adopted on the 4th day of September, 2012.

David Hogan, President

ATTEST

Jimmy Havard, Chancery Clerk

Publish: September 12, 2012

0200416366-01

Appendix D
Critical Facility Questionnaire

CRITICAL FACILITY PROFILE

PLEASE PRINT CLEARLY

Name of Organization: _____ Date _____

Emergency Contact Person: _____

Contact Person's Title: _____

Contact Person's Department : _____

Facility Street Address: _____

Full Mailing Address: _____

_____

Day Phone Number: _____ Fax Number: _____

Night Phone Number: _____ Cell/Mobile Phone: _____

Pager: _____ E-Mail Address: _____

Facility Category:

General Government _____ Public Health _____

Health Care _____ Public Safety _____

Industrial _____ Transportation

Private/Commercial _____ Utility _____

Other: _____

Facility Function:

Emergency Services Center _____ Assisted Living Facility _____

Emergency Operations Center _____ Medical/Health Care Offices _____

Public Works Facility _____ Government Offices _____

Water System Facility _____ Wastewater Control Facility _____

Library _____ School _____

Museum Cultural Center _____ Transportation Facility _____

Religious Facility _____ Energy Facility or system _____

Hazardous Materials Facility _____ Critical Community Employer _____

Key Transportation/evacuation route _____ Critical Community Supplier _____

Hospital _____ Historical Site _____

Rehabilitation Center _____ Communications Center _____

Nursing Home _____ Other: _____

Page 2 - Critical Facility Profile

Should this organization be considered a confidential facility, and information regarding it restricted from public distribution? Yes _____ No _____

Is there a previously assigned "critical facility" identification number ? Yes _____ # _____ No _____

Is this "critical facility" owned Publicly _____ or Privately _____

Are maps, floor plans, photographs or other information available? Yes _____ No _____

Does this facility have adequate standby power? Yes _____ No _____

Operational Category:

Can be more than 72 hours before regaining operational capability _____

Must be operationally capable within 24 to 72 hours _____

Must be operationally capable within 24 hours or less _____

Must not lose operational capability _____

What is the maximum number of persons in building at any given time _____

Are maps, floor plans, photographs or other information available? Yes _____ No _____

Primary Access Limitations:

Damage to bridge, culvert or overpass _____

Snow and Ice _____

Blockage to the single access/egress route _____

Wildfire _____

Heavy rainfall/ localized flooding _____

Avalanche, landslide or erosion _____

Tree Fall _____

Other: _____

None

Other: _____

Is there a mitigation initiative proposed which will affect this facility? Yes _____ No _____

Do you know what building code this facility was built under? _____

Do you know what year this facility was constructed? _____

Do you know GIS coordinates of this facility? Latitude: _____ Longitude: _____

Is the owner/operator same as contact person above? Yes _____ No _____

Appendix E
Multi-Hazard Risk by Jurisdiction
--Vulnerability Assessments--

City of Petal, Mississippi
TOTAL POPULATION: 10,454 (2010) 10, 795 (2012 Estimate)

Factors	Dams	Drought and Exteme Heat	Earthquakes	Floods and Flash Flooding	Hail	Hazardous Material Accidents	Hurricanes, Tropical Storms and High Winds	Power Failure	Terrorism	Thunderst orms and Lighing	Tornados and Funnel Clouds	Transport ation Incident/ Accidents	Urban and Wildfires	Winter Storms	Expansive Soils	Land Slides and land subsidence	Snow Avalanches	Tsunami Events	Volcanoes
Percent of geographic area affected by hazard.	0	6	0	4	6	4	6	4	6	6	6	4	2	2	2	0	0	0	0
Amount of Property Damage.	0	2	0	6	4	6	6	4	6	6	6	4	2	2	0	0	0	0	0
Environmental and Health Related Damage	0	0	0	4	4	4	6	2	6	6	6	6	2	2	0	0	0	0	0
Economic Impact	0	2	0	4	4	6	6	4	6	6	6	4	4	2	2	0	0	0	0
TOTAL RISK	0	10	0	18	18	20	24	14	24	24	24	18	10	8	4	0	0	0	0
Probability of Future Occurrence	0	4	0	4	6	4	6	4	6	6	6	6	6	2	2	0	0	0	0
SUM	0	40	0	72	108	80	144	56	144	144	144	108	60	16	8	0	0	0	0

City of Hattiesburg, Mississippi
TOTAL POPULATION: 45,989 (2010) 47,169 (2012 Estimate)

Factors	Dams	Drought and Exteme Heat	Earthquakes	Floods and Flash Flooding	Hail	Hazardous Material Accidents	Hurricanes, Tropical Storms and High Winds	Power Failure	Terrorism	Thunderstorms and Lighing	Tornados and Funnel Clouds	Transportation Incident/ Accidents	Urban and Wildfires	Winter Storms	Expansive Soils	Land Slides and land subsidence	Snow Avalanches	Tsunami Events	Volcanoes
Percent of geographic area affected by hazard.	4	6	0	4	6	4	6	6	6	6	6	6	4	2	2	0	0	0	0
Amount of Property Damage.	6	2	0	6	4	6	6	4	6	6	6	4	2	2	0	0	0	0	0
Environmental and Health Related Damage	4	0	0	6	4	4	6	2	6	6	6	6	2	2	0	0	0	0	0
Economic Impact	2	2	0	6	4	6	6	4	6	6	6	4	4	2	2	0	0	0	0
TOTAL RISK	16	10	0	22	18	20	24	16	24	24	24	20	12	8	4	0	0	0	0
Probability of Future Occurrence	4	4	0	4	6	4	6	4	6	6	6	6	6	2	2	0	0	0	0
SUM	64	40	0	88	108	80	144	64	144	144	144	120	72	16	8	0	0	0	0

Forrest County, Mississippi
TOTAL POPULATION: 74,934 (2010) 76,894 (2012 Estimate)

Factors	Dams	Drought and Exteme Heat	Earthquakes	Floods and Flash Flooding	Hail	Hazardous Material Accidents	Hurricanes, Tropical Storms and High Winds	Power Failure	Terrorism	Thunderstorms and Lighing	Tornados and Funnel Clouds	Transportation Incident/ Accidents	Urban and Wildfires	Winter Storms	Expansive Soils	Land Slides and land subsidence	Snow Avalanches	Tsunami Events	Volcanoes
Percent of geographic area affected by hazard.	2	6	0	4	6	4	6	6	6	6	6	6	4	2	2	0	0	0	0
Amount of Property Damage.	2	4	0	6	6	6	6	4	6	6	6	6	4	2	0	0	0	0	0
Environmental and Health Related Damage	2	2	0	6	4	4	6	2	6	6	6	6	2	2	0	0	0	0	0
Economic Impact	2	4	0	6	4	6	6	4	6	6	6	4	4	2	2	0	0	0	0
TOTAL RISK	8	16	0	22	20	20	24	16	24	24	24	22	14	8	4	0	0	0	0
Probability of Future Occurrence	4	4	0	4	6	4	6	4	6	6	6	6	6	2	2	0	0	0	0
SUM	32	64	0	88	120	80	144	64	144	144	144	132	84	16	8	0	0	0	0

Appendix F
Thunderstorm and Lightning History
--1996-Present--

UPDATE: LIGHTNING HISTORY (1996-PRESENT)

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
HATTIESBURG	FORREST CO.	MS	6/13/1996	14:30	CST	Lightning		1	0	0.00K	0.00K
PETAL	FORREST CO.	MS	7/20/2000	17:15	CST	Lightning		1	0	0.00K	0.00K
CARNES	FORREST CO.	MS	4/1/2005	2:02	CST	Lightning		0	0	150.00K	0.00K
PETAL	FORREST CO.	MS	7/21/2005	14:50	CST	Lightning		0	0	50.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/21/2005	15:20	CST	Lightning		0	0	200.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/19/2007	14:30	CST-6	Lightning		0	0	10.00K	0.00K
EATONVILLE	FORREST CO.	MS	5/26/2008	16:12	CST-6	Lightning		0	0	10.00K	0.00K
PALMERS CROSSING	FORREST CO.	MS	6/9/2008	16:00	CST-6	Lightning		0	0	250.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/9/2008	16:05	CST-6	Lightning		0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/16/2009	15:50	CST-6	Lightning		0	0	2.00K	0.00K
CARNES	FORREST CO.	MS	7/16/2009	15:47	CST-6	Lightning		0	1	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/14/2009	13:15	CST-6	Lightning		0	0	10.00K	0.00K
PETAL	FORREST CO.	MS	8/3/2010	18:45	CST-6	Lightning		0	0	25.00K	0.00K
BONHOMIE	FORREST CO.	MS	8/4/2010	14:35	CST-6	Lightning		0	0	10.00K	0.00K
PETAL	FORREST CO.	MS	3/8/2011	18:15	CST-6	Lightning		0	0	15.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/8/2011	12:30	CST-6	Lightning		0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/25/2011	13:15	CST-6	Lightning		0	0	30.00K	0.00K
Totals:								2	1	780.00K	0.00K

UPDATE: THUNDERSTORM HISTORY (1996-PRESENT)

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
HATTIESBURG	FORREST CO.	MS	3/18/1996	15:15	CST	Thunderstorm Wind		0	0	100.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/28/1996	20:55	CST	Thunderstorm Wind		0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/19/1996	16:30	CST	Thunderstorm Wind		0	0	100.00K	0.00K
HATTIESBURG	FORREST CO.	MS	10/26/1996	3:15	CST	Thunderstorm Wind		0	1	50.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/22/1997	17:00	CST	Thunderstorm Wind		0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/27/1997	6:15	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/3/1997	4:35	CST	Thunderstorm Wind		0	0	1.00K	0.00K
BROOKLYN	FORREST CO.	MS	7/13/1997	16:18	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/7/1998	4:15	CST	Thunderstorm Wind		0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/5/1998	22:00	CST	Thunderstorm Wind		2	45	1.000M	0.00K
GLENDALE	FORREST CO.	MS	6/20/1998	21:00	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/20/1998	21:45	CST	Thunderstorm Wind		0	0	4.00K	0.00K
FRUITLAND PARK	FORREST CO.	MS	7/10/1998	17:07	CST	Thunderstorm Wind		0	0	10.00K	0.00K
PETAL	FORREST CO.	MS	7/10/1998	17:07	CST	Thunderstorm Wind		0	0	2.00K	0.00K
DIXIE PINE	FORREST CO.	MS	1/2/1999	8:20	CST	Thunderstorm Wind		0	0	10.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	1/22/1999	20:30	CST	Thunderstorm Wind		0	0	25.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	2/27/1999	18:45	CST	Thunderstorm Wind		0	0	2.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	3/9/1999	0:00	CST	Thunderstorm Wind		0	0	40.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/9/1999	0:35	CST	Thunderstorm Wind		0	0	8.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/9/1999	0:35	CST	Thunderstorm Wind		0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/23/1999	11:20	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/2/1999	14:00	CST	Thunderstorm Wind		0	0	10.00K	0.00K
BROOKLYN	FORREST CO.	MS	8/25/1999	21:15	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/27/2000	4:28	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/27/2000	4:46	CST	Thunderstorm Wind		0	0	5.00K	0.00K
PETAL	FORREST CO.	MS	4/3/2000	10:15	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/2/2000	13:25	CST	Thunderstorm Wind		0	0	2.00K	0.00K
BROOKLYN	FORREST CO.	MS	6/25/2000	15:15	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/25/2000	16:15	CST	Thunderstorm Wind		0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/26/2000	13:36	CST	Thunderstorm Wind		0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/16/2000	16:55	CST	Thunderstorm Wind		0	0	20.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	7/22/2000	17:45	CST	Thunderstorm Wind		0	0	10.00K	0.00K
MC LAURIN	FORREST CO.	MS	8/10/2000	16:30	CST	Thunderstorm Wind		0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	8/10/2000	17:00	CST	Thunderstorm Wind		0	0	2.00K	0.00K

HATTIESBURG	FORREST CO.	MS	8/25/2000	14:40	CST	Thunderstorm Wind	0	0	2.00K	0.00K
MACEDONIA	FORREST CO.	MS	8/25/2000	15:02	CST	Thunderstorm Wind	0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	10/6/2000	9:30	CST	Thunderstorm Wind	0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	11/9/2000	2:00	CST	Thunderstorm Wind	0	0	2.00K	0.00K
CARNES	FORREST CO.	MS	12/13/2000	18:50	CST	Thunderstorm Wind	0	0	1.00K	0.00K
BROOKLYN	FORREST CO.	MS	1/19/2001	6:00	CST	Thunderstorm Wind	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/29/2001	13:13	CST	Thunderstorm Wind	0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/12/2001	9:00	CST	Thunderstorm Wind	0	0	25.00K	0.00K
CARNES	FORREST CO.	MS	3/12/2001	10:15	CST	Thunderstorm Wind	0	0	10.00K	0.00K
ROCK HILL	FORREST CO.	MS	3/12/2001	10:35	CST	Thunderstorm Wind	0	0	1.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	6/11/2001	4:55	CST	Thunderstorm Wind	0	0	18.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/13/2001	15:30	CST	Thunderstorm Wind	0	0	20.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/17/2001	17:00	CST	Thunderstorm Wind	0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	10/13/2001	12:50	CST	Thunderstorm Wind	0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/13/2001	21:00	CST	Thunderstorm Wind	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/13/2001	21:20	CST	Thunderstorm Wind	0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	1/19/2002	11:05	CST	Thunderstorm Wind	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/8/2002	14:15	CST	Thunderstorm Wind	0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	5/17/2002	15:45	CST	Thunderstorm Wind	0	0	1.00K	0.00K
CARNES	FORREST CO.	MS	7/7/2002	15:45	CST	Thunderst	52 kts. ES	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/28/2002	15:30	CST	Thunderstorm Wind		0	0	1.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	9/26/2002	5:30	CST	Thunderstorm Wind		0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/24/2002	2:40	CST	Thunderst	60 kts. EG	0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/24/2002	3:55	CST	Thunderst	60 kts. MG	0	0	7.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/31/2002	4:55	CST	Thunderst	65 kts. EG	0	0	6.00K	0.00K
COUNTYWIDE	FORREST CO.	MS	4/7/2003	10:15	CST	Thunderst	50 kts. ES	0	0	10.00K	0.00K
PETAL	FORREST CO.	MS	5/17/2003	17:38	CST	Thunderst	50 kts. ES	0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/3/2003	16:33	CST	Thunderst	50 kts. ES	0	0	5.00K	0.00K
CENTRAL PORTION	FORREST CO.	MS	6/14/2003	13:40	CST	Thunderst	50 kts. ES	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/22/2003	16:35	CST	Thunderst	53 kts. ES	0	0	20.00K	0.00K
CARNES	FORREST CO.	MS	8/20/2003	16:40	CST	Thunderst	52 kts. ES	0	0	3.00K	0.00K
BROOKLYN	FORREST CO.	MS	10/26/2003	2:50	CST	Thunderst	50 kts. ES	0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	6/21/2004	16:15	CST	Thunderst	53 kts. EG	0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	6/22/2004	14:00	CST	Thunderst	35 kts. EG	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/27/2004	10:00	CST	Thunderst	43 kts. EG	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/27/2004	10:05	CST	Thunderst	43 kts. EG	0	0	1.00K	0.00K

HATTIESBURG	FORREST CO.	MS	7/2/2004	18:00	CST	Thunderst	53 kts. EG	0	0	3.00K	0.00K
BROOKLYN	FORREST CO.	MS	11/24/2004	3:33	CST	Thunderst	53 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	11/27/2004	9:03	CST	Thunderst	61 kts. MG	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/7/2005	21:55	CST	Thunderst	57 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/22/2005	8:38	CST	Thunderst	56 kts. EG	0	0	5.00K	0.00K
PETAL	FORREST CO.	MS	4/22/2005	20:10	CST	Thunderst	50 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/30/2005	3:40	CST	Thunderst	52 kts. EG	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/29/2005	12:12	CST	Thunderst	55 kts. EG	0	0	30.00K	0.00K
BROOKLYN	FORREST CO.	MS	7/2/2005	19:00	CST	Thunderst	55 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/9/2005	14:28	CST	Thunderst	50 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/20/2006	15:55	CST	Thunderst	50 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	5/8/2006	19:30	CST	Thunderst	60 kts. EG	0	0	50.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/8/2006	20:02	CST	Thunderst	50 kts. EG	0	0	50.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/24/2006	17:09	CST	Thunderst	50 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/23/2006	15:35	CST	Thunderst	53 kts. EG	0	0	20.00K	0.00K
HATTIESBURG ARPT	FORREST CO.	MS	7/19/2006	14:37	CST	Thunderst	52 kts. MG	0	0	1.00K	0.00K
PETAL	FORREST CO.	MS	7/19/2006	15:36	CST	Thunderst	60 kts. EG	0	0	25.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/15/2006	19:30	CST	Thunderst	60 kts. EG	0	0	100.00K	0.00K
MC LAURIN	FORREST CO.	MS	8/15/2006	20:05	CST	Thunderst	53 kts. EG	0	0	30.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/5/2007	0:20	CST-6	Thunderst	53 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/5/2007	0:25	CST-6	Thunderst	55 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/14/2007	9:45	CST-6	Thunderst	50 kts. EG	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/14/2007	9:45	CST-6	Thunderst	50 kts. EG	0	0	14.00K	0.00K
PETAL	FORREST CO.	MS	4/14/2007	9:50	CST-6	Thunderst	61 kts. EG	0	0	60.00K	0.00K
PETAL	FORREST CO.	MS	6/19/2007	14:25	CST-6	Thunderst	55 kts. EG	0	0	80.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/13/2007	17:12	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	8/31/2007	15:30	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
(HBG)HATTIESBURG ARP	FORREST CO.	MS	10/18/2007	18:28	CST-6	Thunderst	50 kts. EG	0	0	12.00K	0.00K
DIXIE PINE	FORREST CO.	MS	1/10/2008	14:15	CST-6	Thunderst	70 kts. EG	0	0	0.00K	0.00K
RIVERSIDE	FORREST CO.	MS	1/31/2008	16:02	CST-6	Thunderst	53 kts. EG	0	0	60.00K	0.00K
CARNES	FORREST CO.	MS	2/12/2008	15:06	CST-6	Thunderst	60 kts. EG	0	0	0.00K	3.00K
MC LAURIN	FORREST CO.	MS	3/3/2008	23:07	CST-6	Thunderst	66 kts. EG	0	0	5.00K	0.00K
CARNES	FORREST CO.	MS	3/3/2008	23:40	CST-6	Thunderst	58 kts. EG	0	0	10.00K	0.00K
MC CALLUM	FORREST CO.	MS	4/18/2008	17:36	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
RAGLAND	FORREST CO.	MS	4/18/2008	17:40	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
BONHOMIE	FORREST CO.	MS	5/3/2008	5:17	CST-6	Thunderst	68 kts. EG	0	0	30.00K	0.00K

PETAL	FORREST CO.	MS	5/15/2008	9:19	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	5/26/2008	15:55	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/20/2008	16:12	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/21/2008	15:48	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	6/25/2008	12:55	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	6/27/2008	17:33	CST-6	Thunderst	50 kts. EG	0	0	10.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/28/2008	15:16	CST-6	Thunderst	55 kts. EG	0	0	2.00K	0.00K
DIXIE PINE	FORREST CO.	MS	7/29/2008	14:30	CST-6	Thunderst	61 kts. EG	0	0	75.00K	0.00K
GLENDALE	FORREST CO.	MS	8/2/2008	23:02	CST-6	Thunderst	53 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/7/2008	17:47	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	8/12/2008	15:10	CST-6	Thunderst	50 kts. EG	0	0	12.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/10/2008	1:15	CST-6	Thunderst	55 kts. EG	0	0	60.00K	0.00K
MACEDONIA	FORREST CO.	MS	3/27/2009	21:47	CST-6	Thunderst	61 kts. EG	0	0	0.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	4/2/2009	12:50	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/2/2009	12:55	CST-6	Thunderst	58 kts. EG	0	0	2.50K	0.00K
GLENDALE	FORREST CO.	MS	4/12/2009	22:03	CST-6	Thunderst	60 kts. EG	0	0	10.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	5/3/2009	11:10	CST-6	Thunderst	53 kts. MG	0	0	3.00K	0.00K
MACEDONIA	FORREST CO.	MS	5/4/2009	0:34	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	5/5/2009	17:02	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
MC CALLUM	FORREST CO.	MS	7/4/2009	16:00	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
(HBG)HATTIESBURG ARP	FORREST CO.	MS	7/4/2009	16:40	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	8/1/2009	13:55	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	10/9/2009	14:30	CST-6	Thunderst	55 kts. EG	0	0	3.00K	0.00K
GLENDALE	FORREST CO.	MS	1/29/2010	15:32	CST-6	Thunderst	55 kts. EG	0	0	35.00K	0.00K
CARNES	FORREST CO.	MS	4/24/2010	9:20	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	6/5/2010	15:10	CST-6	Thunderst	58 kts. EG	0	0	5.00K	0.00K
BROOKLYN	FORREST CO.	MS	6/15/2010	13:10	CST-6	Thunderst	43 kts. EG	0	0	8.00K	0.00K
DIXIE PINE	FORREST CO.	MS	6/15/2010	13:59	CST-6	Thunderst	55 kts. EG	0	0	3.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/16/2010	13:00	CST-6	Thunderst	52 kts. EG	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	8/3/2010	18:45	CST-6	Thunderst	52 kts. EG	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/4/2010	14:20	CST-6	Thunderst	45 kts. EG	0	0	4.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/4/2010	14:35	CST-6	Thunderst	50 kts. EG	0	0	15.00K	0.00K
BROOKLYN	FORREST CO.	MS	8/15/2010	15:58	CST-6	Thunderst	53 kts. EG	0	0	10.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	8/15/2010	16:25	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
EATONVILLE	FORREST CO.	MS	4/4/2011	17:55	CST-6	Thunderst	60 kts. EG	0	0	200.00K	0.00K
MACEDONIA	FORREST CO.	MS	5/13/2011	23:05	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K

FORREST CO.	FORREST CO.	MS	6/7/2011	13:21	CST-6	Thunderst	50 kts. EG	0	0	75.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/7/2011	13:44	CST-6	Thunderst	54 kts. MG	0	0	0.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/7/2011	13:44	CST-6	Thunderst	50 kts. EG	0	0	2.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/7/2011	14:55	CST-6	Thunderst	50 kts. EG	0	0	30.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/8/2011	12:21	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/10/2011	17:19	CST-6	Thunderst	50 kts. EG	0	0	1.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/13/2011	18:55	CST-6	Thunderst	50 kts. EG	0	0	1.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/21/2011	17:12	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/4/2011	15:49	CST-6	Thunderst	56 kts. MG	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/4/2011	15:56	CST-6	Thunderst	56 kts. EG	0	0	100.00K	0.00K
BROOKLYN	FORREST CO.	MS	7/4/2011	16:35	CST-6	Thunderst	39 kts. EG	0	0	0.50K	0.00K
PETAL	FORREST CO.	MS	7/11/2011	15:15	CST-6	Thunderst	50 kts. EG	0	0	8.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/13/2011	18:00	CST-6	Thunderst	50 kts. EG	0	0	30.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/23/2011	17:09	CST-6	Thunderst	51 kts. MG	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	8/24/2011	17:30	CST-6	Thunderst	50 kts. EG	0	0	3.00K	0.00K
MACEDONIA	FORREST CO.	MS	4/2/2012	14:00	CST-6	Thunderst	50 kts. EG	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/3/2012	20:50	CST-6	Thunderst	50 kts. EG	0	0	5.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/31/2012	15:50	CST-6	Thunderst	50 kts. EG	0	0	20.00K	0.00K
PETAL	FORREST CO.	MS	6/11/2012	21:40	CST-6	Thunderst	55 kts. EG	0	0	50.00K	0.00K
EATONVILLE	FORREST CO.	MS	7/18/2012	16:10	CST-6	Thunderst	43 kts. EG	0	0	0.10K	0.00K
EATONVILLE	FORREST CO.	MS	8/6/2012	15:00	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
EPPS	FORREST CO.	MS	8/6/2012	15:25	CST-6	Thunderst	50 kts. EG	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	8/9/2012	14:20	CST-6	Thunderst	56 kts. MG	0	0	20.00K	0.00K
MACEDONIA	FORREST CO.	MS	9/4/2012	16:45	CST-6	Thunderst	50 kts. EG	0	0	2.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/20/2012	6:50	CST-6	Thunderst	50 kts. EG	0	0	3.00K	0.00K
MACEDONIA	FORREST CO.	MS	4/11/2013	12:27	CST-6	Thunderst	60 kts. EG	0	0	100.00K	0.00K
Totals:								2	46	3.226M	3.00K

Appendix G
Earthquake Occurrence in Mississippi

Earthquake Occurrence in Mississippi

Date	Location of Epicenter	Intensity	Magnitude
September 11, 1853	Biloxi	felt	n/a
March 27, 1923	Wyatte, Tate County	IV	n/a
November 13, 1927	Jackson	IV	n/a
December 16, 1931	Batesville-Charleson	VI-VII	4.7
June 28, 1941	Vicksburg	III-IV	n/a
February 1, 1955	Gulfport	V	n/a
June 4, 1967	Greenville	VI	3.8
June 29, 1967	Greenville	V	3.4
January 8, 1973	Sunflower County	not felt	3.5
May 25, 1973	Bolivar County	felt	n/a
September 8, 1975	Hancock County	IV	2.9
October 23, 1976	Clarke County	not felt	3
May 3, 1977	Clarke County	V	3.6
November 4, 1977	Vardaman, Calhoun County	V	3.4
January 8, 1978	Kemper County	not felt	3
June 9, 1978	Clarke County	not felt	3.3
December 10, 1978	Clarke County	V	3.5
October 12, 1980	Pontotoc County	not felt	2.1
February 15, 1981	Clarke County	not felt	2.4
January 29, 1983	Prentiss County	not felt	2.4
February 5, 1983	Prentiss County	V	2.9
April 25, 1983	Tunica County	not felt	1.6
May 30, 1983	Clarke County	not felt	2.4
March 23, 1984	Tishomingo County	not felt	2
September 24, 1984	Yalobusha County	felt	2.5
May 11, 1986	Tunica County	not felt	1.6
August 1, 1988	Quitman County	not felt	2.1
August 23, 1989	Patchuta, Clarke County	felt	n/a
August 25, 1989	Patchuta, Clarke County	felt	n/a
November 26, 1989	Patchuta, Clarke County	felt	n/a
February 11, 1991	Clarksdale, Coahoma County	not felt	2.7

Date	Location of Epicenter	Intensity	Magnitude
December 11, 1992	Beizoni, Humphreys County	felt	2.4
March 25, 1996	Clarke County	felt	3.5
May 13, 1996	Tishomingo County	not felt	2.7
August 11, 1996	Bolivar County	not felt	3.1
February 24, 1999	Panola County	IV	2.8
January 28, 2000	Shubuta, Clarke county	not felt	2.7
October 10, 2000	Lauderdale County	not felt	2.3
January 6, 2002	Brooksville, Noxubee County	not felt	2.2
August 11, 2002	Panola County	felt	2.8
October 28, 2002	Bolivar county	felt	3.1
February 26, 2003	Courtland, Panola County	felt	n/a

Source: Michael B. E. Bogard, 2007

Appendix H
Hail History
--1996-Present--

UPDATE: HAIL HISTORY (1996-PRESENT)

Location	County/Zone	St.	Date	Time	T.Z.	Type	Mag	Dth	Inj	PrD	CrD
HATTIESBURG	FORREST CO.	MS	1/26/1996	17:30	CST	Hail	2.75 in.	0	0	250.00K	0.00K
BROOKLYN	FORREST CO.	MS	3/18/1996	1:28	CST	Hail	1.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/18/1996	15:15	CST	Hail	1.75 in.	0	0	2.000M	0.00K
MACEDONIA	FORREST CO.	MS	3/18/1996	15:35	CST	Hail	1.75 in.	0	0	500.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/18/1996	16:05	CST	Hail	2.75 in.	0	0	2.000M	0.00K
HATTIESBURG	FORREST CO.	MS	3/18/1996	17:10	CST	Hail	0.75 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	3/24/1996	11:35	CST	Hail	0.88 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	4/14/1996	16:44	CST	Hail	1.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/19/1996	16:25	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	11/30/1996	20:15	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/29/1997	18:15	CST	Hail	0.75 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	3/29/1997	18:40	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/22/1997	17:00	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/28/1997	0:25	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/28/1997	15:00	CST	Hail	1.75 in.	0	0	100.00K	0.00K
CARNES	FORREST CO.	MS	10/25/1997	14:32	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/23/1997	6:45	CST	Hail	1.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/22/1998	2:37	CST	Hail	1.75 in.	0	0	100.00K	0.00K
HATTIESBURG	FORREST CO.	MS	2/26/1998	15:40	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/7/1998	5:01	CST	Hail	1.00 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	3/7/1998	5:15	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/17/1998	16:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/17/1998	16:25	CST	Hail	1.75 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	4/17/1998	16:32	CST	Hail	4.50 in.	0	0	50.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/17/1998	17:48	CST	Hail	1.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/17/1998	18:10	CST	Hail	1.00 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	4/17/1998	18:25	CST	Hail	1.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	4/17/1998	19:13	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/17/1998	19:15	CST	Hail	0.88 in.	0	0	0.00K	0.00K
DIXIE PINE	FORREST CO.	MS	4/17/1998	19:19	CST	Hail	1.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	7/1/1998	13:25	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	1/29/1999	22:12	CST	Hail	0.75 in.	0	0	0.00K	0.00K

HATTIESBURG	FORREST CO.	MS	4/14/1999	23:03	CST	Hail	1.75 in.	0	0	35.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/23/1999	11:20	CST	Hail	0.88 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	8/25/1999	20:20	CST	Hail	1.00 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	8/25/1999	21:15	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/23/2000	14:50	CST	Hail	1.00 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	4/26/2000	12:58	CST	Hail	0.88 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	7/20/2000	16:30	CST	Hail	1.00 in.	0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/22/2000	17:45	CST	Hail	1.00 in.	0	0	3.00K	0.00K
BROOKLYN	FORREST CO.	MS	7/27/2000	15:33	CST	Hail	1.75 in.	0	0	5.00K	0.00K
MC LAURIN	FORREST CO.	MS	7/31/2000	13:14	CST	Hail	1.00 in.	0	0	15.00K	0.00K
PETAL	FORREST CO.	MS	8/10/2000	16:57	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/25/2000	15:06	CST	Hail	0.75 in.	0	0	0.00K	0.00K
GLENDALE	FORREST CO.	MS	8/26/2000	15:00	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/30/2000	17:40	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/31/2000	15:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/31/2000	15:20	CST	Hail	0.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	8/31/2000	15:39	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/31/2000	15:40	CST	Hail	1.75 in.	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	9/5/2000	14:47	CST	Hail	0.75 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	12/13/2000	18:50	CST	Hail	1.00 in.	0	0	6.00K	0.00K
PETAL	FORREST CO.	MS	3/1/2001	20:28	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/2/2001	15:55	CST	Hail	1.75 in.	0	0	8.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/2/2001	16:10	CST	Hail	0.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	3/12/2002	16:15	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/12/2002	16:43	CST	Hail	0.88 in.	0	0	0.00K	0.00K
MC CALLUM	FORREST CO.	MS	3/12/2002	16:43	CST	Hail	0.88 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	3/12/2002	16:58	CST	Hail	0.75 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	7/7/2002	15:30	CST	Hail	0.75 in.	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	12/23/2002	20:35	CST	Hail	0.88 in.	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	12/23/2002	20:45	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	12/24/2002	4:00	CST	Hail	0.75 in.	0	0	0.00K	0.00K
MC CALLUM	FORREST CO.	MS	3/6/2003	17:13	CST	Hail	0.88 in.	0	0	1.00K	0.00K
MC CALLUM	FORREST CO.	MS	3/6/2003	18:30	CST	Hail	0.75 in.	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/6/2003	21:38	CST	Hail	0.88 in.	0	0	1.00K	0.00K

HATTIESBURG	FORREST CO.	MS	3/6/2003	23:43	CST	Hail	1.00 in.	0	0	5.00K	0.00K
PETAL	FORREST CO.	MS	3/7/2003	0:35	CST	Hail	0.75 in.	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/25/2003	16:10	CST	Hail	1.00 in.	0	0	1.00K	0.00K
HATTIESBURG ARP	FORREST CO.	MS	4/25/2003	16:15	CST	Hail	1.75 in.	0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/25/2003	16:22	CST	Hail	2.50 in.	0	0	300.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/25/2003	17:00	CST	Hail	0.75 in.	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/25/2003	17:23	CST	Hail	0.75 in.	0	0	1.00K	0.00K
MC LAURIN	FORREST CO.	MS	4/25/2003	17:34	CST	Hail	1.00 in.	0	0	1.00K	0.00K
MC LAURIN	FORREST CO.	MS	5/3/2003	18:17	CST	Hail	1.00 in.	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	8/20/2003	15:35	CST	Hail	0.88 in.	0	0	1.00K	0.00K
MC LAURIN	FORREST CO.	MS	2/23/2004	23:30	CST	Hail	0.88 in.	0	0	1.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/11/2004	11:45	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/22/2005	8:36	CST	Hail	0.88 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	3/30/2005	18:46	CST	Hail	1.00 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	3/31/2005	18:52	CST	Hail	1.75 in.	0	0	15.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/1/2005	0:28	CST	Hail	0.75 in.	0	0	0.00K	0.00K
MC CALLUM	FORREST CO.	MS	4/1/2005	0:42	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/6/2005	10:37	CST	Hail	0.88 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	4/6/2005	13:30	CST	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/11/2005	17:22	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/22/2005	17:15	CST	Hail	1.75 in.	0	0	80.00K	0.00K
HATTIESBURG	FORREST CO.	MS	4/30/2005	3:48	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/29/2005	12:10	CST	Hail	1.75 in.	0	0	100.00K	0.00K
PETAL	FORREST CO.	MS	4/21/2006	13:37	CST	Hail	0.88 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	5/8/2006	19:25	CST	Hail	1.25 in.	0	0	10.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	5/8/2006	19:52	CST	Hail	1.75 in.	0	0	50.00K	0.00K
BROOKLYN	FORREST CO.	MS	5/24/2006	16:12	CST	Hail	0.75 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	5/24/2006	17:05	CST	Hail	0.88 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	7/19/2006	15:40	CST	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/19/2006	15:41	CST	Hail	0.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	2/13/2007	5:45	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/1/2007	15:50	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	1/10/2008	14:05	CST-6	Hail	1.75 in.	0	0	100.00K	0.00K
MC CALLUM	FORREST CO.	MS	2/12/2008	14:29	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K

CARNES	FORREST CO.	MS	2/12/2008	15:06	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	2/17/2008	6:05	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/9/2008	16:05	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	6/14/2008	16:20	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	6/20/2008	16:10	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	6/20/2008	17:25	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
MAXIE	FORREST CO.	MS	6/25/2008	12:06	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	7/29/2008	14:24	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	1/3/2009	12:30	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	3/27/2009	21:26	CST-6	Hail	1.75 in.	0	0	3.00K	0.00K
ROCK HILL	FORREST CO.	MS	3/31/2009	15:59	CST-6	Hail	1.75 in.	0	0	20.00K	0.00K
RAWLS SPGS	FORREST CO.	MS	4/13/2009	15:54	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
CARNES	FORREST CO.	MS	5/12/2009	16:23	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	5/14/2009	11:24	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
BONHOMIE	FORREST CO.	MS	7/30/2009	12:02	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	8/4/2009	17:00	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MAMMOTH SPGS	FORREST CO.	MS	2/21/2010	23:57	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	2/22/2010	0:00	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
HATTIESBURG	FORREST CO.	MS	3/1/2010	13:32	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	4/24/2010	9:12	CST-6	Hail	1.50 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	3/8/2011	18:47	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
MC LAURIN	FORREST CO.	MS	3/8/2011	18:52	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
BROOKLYN	FORREST CO.	MS	4/15/2011	19:37	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
ROCK HILL	FORREST CO.	MS	5/26/2011	12:35	CST-6	Hail	2.00 in.	0	0	50.00K	0.00K
MC LAURIN	FORREST CO.	MS	5/26/2011	16:05	CST-6	Hail	1.00 in.	0	0	20.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/6/2011	15:15	CST-6	Hail	1.00 in.	0	0	15.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/6/2011	15:44	CST-6	Hail	0.75 in.	0	0	5.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/7/2011	14:52	CST-6	Hail	1.75 in.	0	0	30.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/8/2011	12:10	CST-6	Hail	1.00 in.	0	0	20.00K	0.00K
FORREST CO.	FORREST CO.	MS	6/10/2011	17:03	CST-6	Hail	0.88 in.	0	0	10.00K	0.00K
HATTIESBURG	FORREST CO.	MS	7/4/2011	15:56	CST-6	Hail	1.25 in.	0	0	0.00K	0.00K
RIVERSIDE	FORREST CO.	MS	9/28/2011	12:55	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
EPPS	FORREST CO.	MS	2/24/2012	7:40	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
PETAL	FORREST CO.	MS	4/2/2012	13:50	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K

HATTIESBURG	FORREST CO.	MS	3/18/2013	20:47	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
Totals:								**0**	**0**	5.951M	0.00K

Appendix I
Flood Safety Checklist

Be Red Cross Ready

Flood Safety Checklist

Floods are among the most frequent and costly natural disasters. Conditions that cause floods include heavy or steady rain for several hours or days that saturates the ground. Flash floods occur suddenly due to rapidly rising water along a stream or low-lying area.

Know the Difference

Flood/Flash Flood Watch—Flooding or flash flooding is possible in your area.

Flood/Flash Flood Warning—Flooding or flash flooding is already occurring or will occur soon in your area.

What should I do?



- ❑ Listen to area radio and television stations and a NOAA Weather Radio for possible flood warnings and reports of flooding in progress or other critical information from the National Weather Service (NWS).
- ❑ Be prepared to evacuate at a moment's notice.
- ❑ When a flood or flash flood warning is issued for your area, head for higher ground and stay there.
- ❑ Stay away from floodwaters. If you come upon a flowing stream where water is above your ankles, stop, turn around and go another way. Six inches of swiftly moving water can sweep you off of your feet.
- ❑ If you come upon a flooded road while driving, turn around and go another way. If you are caught on a flooded road and waters are rising rapidly around you, get out of the car quickly and move to higher ground. Most cars can be swept away by less than two feet of moving water.
- ❑ Keep children out of the water. They are curious and often lack judgment about running water or contaminated water.
- ❑ Be especially cautious at night when it is harder to recognize flood danger.
- ❑ Because standard homeowners insurance doesn't cover flooding, it's important to have protection from the floods associated with hurricanes, tropical storms, heavy rains and other conditions that impact the U.S. For more information on flood insurance, please visit the National Flood Insurance Program Web site at **www.FloodSmart.gov**.

What supplies do I need?



- ❒ Water—at least a 3-day supply; one gallon per person per day
- ❒ Food—at least a 3-day supply of non-perishable, easy-to-prepare food
- ❒ Flashlight
- ❒ Battery-powered or hand-crank radio (NOAA Weather Radio, if possible)
- ❒ Extra batteries
- ❒ First aid kit
- ❒ Medications (7-day supply) and medical items (hearing aids with extra batteries, glasses, contact lenses, syringes, cane)
- ❒ Multi-purpose tool
- ❒ Sanitation and personal hygiene items
- ❒ Copies of personal documents (medication list and pertinent medical information, deed/lease to home, birth certificates, insurance policies)
- ❒ Cell phone with chargers
- ❒ Family and emergency contact information
- ❒ Extra cash
- ❒ Emergency blanket
- ❒ Map(s) of the area
- ❒ Baby supplies (bottles, formula, baby food, diapers)
- ❒ Pet supplies (collar, leash, ID, food, carrier, bowl)
- ❒ Tools/supplies for securing your home
- ❒ Extra set of car keys and house keys
- ❒ Extra clothing, hat and sturdy shoes
- ❒ Rain gear
- ❒ Insect repellent and sunscreen
- ❒ Camera for photos of damage

What do I do after a flood?



- ❒ Return home only when officials have declared the area safe.
- ❒ Before entering your home, look outside for loose power lines, damaged gas lines, foundation cracks or other damage.
- ❒ Parts of your home may be collapsed or damaged. Approach entrances carefully. See if porch roofs and overhangs have all their supports.
- ❒ Watch out for wild animals, especially poisonous snakes that may have come into your home with the floodwater.
- ❒ If you smell natural or propane gas or hear a hissing noise, leave immediately and call the fire department.
- ❒ If power lines are down outside your home, do not step in puddles or standing water.
- ❒ Keep children and pets away from hazardous sites and floodwater.
- ❒ Materials such as cleaning products, paint, batteries, contaminated fuel and damaged fuel containers are hazardous. Check with local authorities for assistance with disposal to avoid risk.
- ❒ During cleanup, wear protective clothing, including rubber gloves and rubber boots.
- ❒ Make sure your food and water are safe. Discard items that have come in contact with floodwater, including canned goods, water bottles, plastic utensils and baby bottle nipples. When in doubt, throw it out!
- ❒ Do not use water that could be contaminated to wash dishes, brush teeth, prepare food, wash hands, make ice or make baby formula.
- ❒ Contact your local or state public health department for specific recommendations for boiling or treating water in your area after a disaster as water may be contaminated.

Let Your Family Know You're Safe

If your community experiences a flood, or any disaster, register on the American Red Cross Safe and Well Web site available through RedCross.org/SafeandWell to let your family and friends know about your welfare. If you don't have Internet access, call 1-866-GET-INFO to register yourself and your family.

American Red Cross

For more information on disaster and emergency preparedness, visit RedCross.org.

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Appendix J
Family Disaster Plan

American Red Cross

Family Disaster Plan

Family Last Name(s) or Household Address: **Date:**

Family Member/Household Contact Info (If needed, additional space is provided in #10 below):

Name	Home Phone	Cell Phone	Email:

Pet(s) Info:

Name:	Type:	Color:	Registration #:

Plan of Action

1. The disasters most likely to affect our household are:

2. What are the escape routes from our home?

3. If separated during an emergency, what is our meeting place near our home?

4. If we cannot return home or are asked to evacuate, what is our meeting place outside of our neighborhood?

What is our route to get there and an alternate route, if the first route is impassible?

5. In the event our household is separated or unable to communicate with each other, our emergency contact outside of our immediate area is:

Name	Home Phone	Cell Phone	Email:

After a disaster, let your friends and family know you are okay by registering at "Safe and Well" at https://safeandwell.communityos.org/cms// or by calling 1-800-733-2767. You can also give them a call, send a quick text or update your status on social networking sites.

6. If at school/daycare, our child(ren) will be evacuated to:

Child's Name:	Evacuation Site (address and contact info):

7. Our plan for people in our household with a disability or special need is:

Person's Name:	Plan:

8. During certain emergencies local authorities may direct us to "shelter in place" in our home. An accessible, safe room where we can go, seal windows, vents and doors and listen to emergency broadcasts for instructions, is:

9. Family Member Responsibilities in the Event of a Disaster

Task	Description	Family Member Responsible
Disaster Kit*	Stock the disaster kit and take it if evacuation is necessary. Include items you might want to take to an evacuation shelter. Remember to include medications and eye glasses.	
Be informed	Maintain access to NOAA or local radio, TV, email or text alerts for important and current information about disasters.	
Family Medical Information	Make sure the household medical information is taken with us if evacuation is necessary.	
Financial Information	Obtain copies of bank statements and cash in the event ATMs and credit cards do not work due to power outages. Bring copies of utility bills as proof of residence in applying for assistance.	
Pet Information	Evacuate our pet(s), keep a phone list of pet-friendly motels and animal shelters, and assemble and take the pet disaster kit.	
Sharing and Maintaining the Plan	Share the completed plan with those who need to know. Meet with household members every 6 months or as needs change to update household plan.	

What supplies and records should go in your disaster kit? Visit **www.redcross.org*

10. Other information, if not able to be included above.

Congratulations on completing your family disaster plan! Please tell others: "We've made a family disaster plan and you can, too, with help from the American Red Cross."

Get the facts about what you should do if an emergency or disaster occurs at www.redcross.org

Appendix K
Safe Generator Use

Safe Generator Use

Take the Appropriate Steps to Stay Safe

The following information, developed by the American Red Cross with technical advice from the Centers for Disease Control and Prevention, the National Fire Protection Association (publisher of the National Electric Code®) and the U. S. Consumer Product Safety Commission, is provided to address questions about using a generator when disaster or emergency strikes.

How to Buy a Generator

If you choose to buy a generator, make sure you get one that is rated for the amount of power that you think you will need. Look at the labels on lighting, appliances, and equipment you plan to connect to the generator to determine the amount of power that will be needed to operate the equipment.

For lighting, the wattage of the light bulb indicates the power needed. Appliances and equipment usually have labels indicating power requirements on them. Choose a generator that produces more power than will be drawn by the combination of lighting, appliances, and equipment you plan to connect to the generator including the initial surge when it is turned on. If your generator does not produce adequate power for all your needs, plan to stagger the operating times for various equipment.

If you can not determine the amount of power that will be needed, ask an electrician to determine that for you. (If your equipment draws more power than the generator can produce, then you may blow a fuse on the generator or damage the connected equipment.)

How to Use a Generator at Home

The primary hazards to avoid when using a generator are carbon monoxide (CO) poisoning from the toxic engine exhaust, electric shock or electrocution, and fire. Follow the directions supplied with the generator. Every year, people die in incidents related to portable generator use.

Never Use a Portable Generator Indoors

This includes inside a garage, carport, basement, crawlspace, or other enclosed or partially-enclosed area, even with ventilation. Opening doors and windows or using fans will not prevent CO buildup in the home. The CO from generators can rapidly lead to full incapacitation and death, but CO can't be seen or smelled. Even if you cannot smell exhaust fumes, you may still be exposed to CO. If you start to feel sick, dizzy, or weak while using a generator, get to fresh air RIGHT AWAY - DO NOT DELAY.

Because you may have windows open to get fresh air while the power is out, be sure to place the generator away from windows, doors, and vents that could allow CO to come indoors. To avoid electrocution, keep the generator dry and do not use in rain or wet conditions. To protect the generator from moisture, operate it on a dry surface under an open canopy-like structure, such as under a tarp held up on poles. Do not touch the generator with wet hands.

It is a good idea to install battery-operated CO alarms or plug-in CO alarms with battery back-up in your home, according to the manufacturer's installation instructions. If CO gas from the generator enters your home and poses a health risk, the alarm will sound to warn you. Test the battery frequently and replace when needed.

Be sure to turn the generator off and let it cool down before refueling. Gasoline spilled on hot engine parts could ignite.

Store fuel for the generator in an approved safety can. Use the type of fuel recommended in the instructions or on the label on the generator. Local laws may restrict the amount of fuel you may store, or the storage location. Ask your local fire department for additional information about local regulations. Store the fuel outside of living areas in a locked shed or other protected area. Do not store it near a fuel-burning appliance, such as a natural gas

water heater in a garage. If the fuel is spilled or the container is not sealed properly, invisible vapors from the fuel can travel along the ground and can be ignited by the appliance's pilot light or by arcs from electric switches in the appliance.

Plug appliances directly into the generator. Or, use a heavy duty, outdoor-rated extension cord that is rated (in watts or amps) at least equal to the sum of the connected appliance loads. Check that the entire cord is free of cuts or tears and that the plug has all three prongs, especially a grounding pin.

Never try to power the house wiring by plugging the generator into a wall outlet, a practice known as "backfeeding." This is an extremely dangerous practice that presents an electrocution risk to utility workers and neighbors served by the same utility transformer. It also bypasses some of the built-in household protection devices.

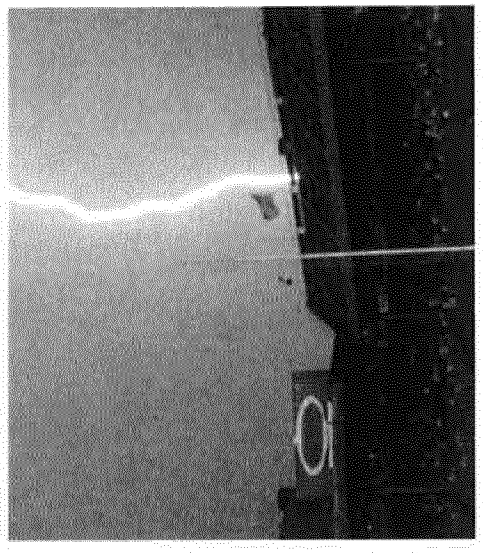
Future Generator Safety Considerations

The only recommended method to connect a generator to house wiring is by having a qualified electrician install a power transfer switch. This switch must be installed in accordance with the National Electrical Code® (NEC), which is published by the National Fire Protection Association, as well as all applicable state and local electrical codes. Call a qualified electrician or check with your utility company to see if they can install the appropriate equipment.

For power outages, permanently installed stationary generators are better suited for providing backup power to the home. Even a properly connected portable generator can become overloaded. This may result in overheating or stressing the generator components, possibly leading to a generator failure. Be sure to read instructions that come with the generator to make sure you operate it within its limitations for power output.

Appendix L
Weather Safety: Lightning

Weather Safety: Lightning



Lightning Safety for You and Your Family

American Red Cross

FEMA

What You Should Know About Being Caught Outside Near a Thunderstorm

There is no safe place outside in a thunderstorm. Plan ahead to avoid this dangerous situation! If you're outside and hear thunder, the only way to significantly reduce your risk of becoming a lightning casualty is to get inside a substantial building or hard-topped metal vehicle as fast as you can. In addition, you should avoid the following situations which could increase your risk of becoming a lightning casualty. Remember – there is no substitute for getting to a safe place.

- **Avoid open areas.** Don't be the tallest object in the area.
- **Stay away from isolated tall trees, towers or utility poles.** Lightning tends to strike the taller objects in an area.
- **Stay away from metal conductors such as wires or fences.** Metal does not attract lightning, but lightning can travel long distances through it.

If you are with a group of people, spread out. While this actually increases the chance that someone might get struck, it tends to prevent multiple casualties, and increases the chances that someone could help if a person is struck.

Act Fast If Someone Is Struck by Lightning!

- **Lightning victims do not carry an electrical charge, are safe to touch, and need urgent medical attention.** Cardiac arrest is the immediate cause of death for those who die. Some deaths can be prevented if the victim receives the proper first aid immediately.
- **Call for help.** Call 9-1-1 or your local ambulance service.
- **Give first aid.** Do not delay CPR if the person is unresponsive or not breathing. Use an Automatic External Defibrillator if one is available.
- **If possible, move the victim to a safer place.** Lightning can strike twice. Don't become a victim.

Stay Informed About Storms Listen to NOAA Weather Radio All Hazards

There are an estimated 25 million cloud-to-ground lightning flashes in the U.S. each year. While the National Weather Service (NWS) issues severe thunderstorm watches and warnings for storms that produce damaging wind or hail, watches and warnings are NOT issued for lightning. When you hear thunder, there is an immediate lightning danger.

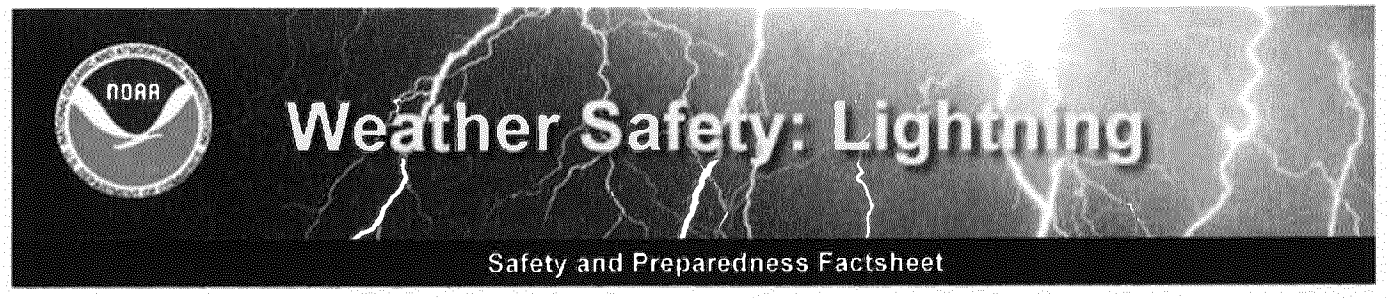
As a further safety measure, consider purchasing a portable, battery-powered, tone-alert NOAA Weather Radio All Hazards. The radio will allow you to monitor any short-term forecasts for changing weather conditions. The tone-alert feature can automatically alert you when the NWS issues a severe thunderstorm watch or warning.

For More Information

NWS lightning links, forecasts, assessments:
http://www.lightningsafety.noaa.gov
NOAA Weather Radio All Hazards:
http://www.weather.gov/nwr
American Red Cross:
http://www.redcross.org
Federal Emergency Management Agency:
http://www.fema.gov

Remember, When Thunder Roars, Go Indoors!

YPA-200951



Lightning Safety for You and Your Family

When Thunder Roars, Go Indoors!

Each year in the United States, more than 400 people are struck by lightning. On average, between 55 and 60 people are killed; hundreds of others suffer permanent neurological disabilities. Most of these tragedies can be avoided with a few simple precautions. When thunderstorms threaten, get to a safe place. Lightning safety is an inconvenience that can save your life.

The National Oceanic and Atmospheric Administration (NOAA) collects information on weather-related deaths to learn how to prevent these tragedies. Many lightning victims say they were "caught" outside in the storm and couldn't get to a safe place. With proper planning, these tragedies could be prevented.

Other victims waited too long before seeking shelter. By heading to a safe place 5 to 10 minutes sooner, they could have avoided being struck by lightning.

Some people were struck because they went back outside too soon. Stay inside a safe building or vehicle for at least 30 minutes after you hear the last thunder clap.

Finally, some victims were struck inside homes or buildings while they were using electrical equipment or corded phones. Others were in contact with plumbing, a metal door or a window frame. Avoid contact with these electrical conductors when a thunderstorm is nearby!

What You Might Not Know About Lightning

- **All thunderstorms produce lightning and are dangerous.** In the United States, in an average year, lightning kills about the same number of people as tornadoes and more people than hurricanes.
- **Lightning often strikes outside the area of heavy rain and may strike as far as 10 miles from any rainfall.** Many lightning deaths occur ahead of storms or after storms have seemingly passed.
- **If you can hear thunder, you are in danger.** Don't be fooled by blue skies. If you hear thunder, lightning is close enough to pose an immediate threat.
- Lightning leaves many victims with permanent disabilities. While a small percentage of lightning strike victims die, many survivors must learn to live with very serious lifelong pain and neurological disabilities.

Avoid the Lightning Threat

- **Have a lightning safety plan.** Know where you'll go for safety and how much time it will take to get there. Make sure your plan allows enough time to reach safety.
- **Postpone activities.** Before going outdoors, check the forecast for thunderstorms. Consider postponing activities to avoid being caught in a dangerous situation.
- **Monitor the weather.** Look for signs of a developing thunderstorm such as darkening skies, flashes of lightning or increasing wind.
- **Get to a safe place.** If you hear thunder, even a distant rumble, immediately move to a safe place. Fully enclosed buildings with wiring and plumbing provide the best protection. Sheds, picnic shelters, tents or covered porches do NOT protect you from lightning. If a sturdy building is not nearby, get into a hard-topped metal vehicle and close all the windows. Stay inside until 30 minutes after the last rumble of thunder.
- **If you hear thunder, don't use a corded phone except in an emergency.** Cordless phones and cell phones are safe to use.
- **Keep away from electrical equipment and wiring.**
- **Water pipes conduct electricity.** Don't take a bath or shower or use other plumbing during a storm.

Organized Outdoor Activities

Many people enjoy outdoor activities. It's essential for the people in charge of these activities to understand the dangers of lightning, have a lightning safety plan in place, and follow the plan once thunder is heard or lightning is seen. Many outdoor activities rely on volunteer leaders, coaches or sports officials to make safety decisions. Make sure the leaders of these activities follow a lightning safety plan. Don't be afraid to ask, and don't be afraid to speak out during an event if conditions become unsafe. You could save a life!

Appendix M
Fire Prevention and Safety Checklist

Be Red Cross Ready

Fire Prevention & Safety Checklist

The most effective way to protect yourself and your home from fire is to identify and remove fire hazards. Sixty-five percent of home fire deaths occur in homes with no working smoke alarms. During a home fire, working smoke alarms and a fire escape plan that has been practiced regularly can save lives.

- **If a fire occurs in your home, GET OUT, STAY OUT and CALL for help.**
- **Install smoke alarms on every level of your home, inside bedrooms and outside sleeping areas. Test them every month and replace the batteries at least once a year.**
- **Talk with all household members about a fire escape plan and practice the plan twice a year.**

Prevent home fires



Steps You Can Take Now

- ❑ Keep items that can catch on fire at least three feet away from anything that gets hot, such as space heaters.
- ❑ Never smoke in bed.
- ❑ Talk to children regularly about the dangers of fire, matches and lighters and keep them out of reach.
- ❑ Turn portable heaters off when you leave the room or go to sleep.

Cooking Safely

- ❑ Stay in the kitchen when frying, grilling or broiling food. If you leave the kitchen for even a short period of time, turn off the stove.
- ❑ Stay in the home while simmering, baking, roasting or boiling food. Check it regularly and use a timer to remind you that food is cooking.
- ❑ Keep anything that can catch fire—like pot holders, towels, plastic and clothing—away from the stove.
- ❑ Keep pets off cooking surfaces and countertops to prevent them from knocking things onto the burner.

Caution: Carbon Monoxide Kills

- ❑ Install carbon monoxide alarms in central locations on every level of your home and outside sleeping areas.
- ❑ If the carbon monoxide alarm sounds, move quickly to a fresh air location outdoors or by an open window or door.
- ❑ Never use a generator, grill, camp stove or other gasoline, propane, natural gas or charcoal-burning devices inside a home, garage, basement, crawlspace or any partially enclosed area.

Practice fire safety at home



Smoke Alarms

- ❑ Install smoke alarms on every level of your home, inside bedrooms and outside sleeping areas.
- ❑ Teach children what smoke alarms sound like and what to do when they hear one.
- ❑ Once a month check whether each alarm in the home is working properly by pushing the test button.
- ❑ Replace batteries in smoke alarms at least once a year. Immediately install a new battery if an alarm chirps, warning the battery is low.
- ❑ Smoke alarms should be replaced every 10 years. Never disable smoke or carbon monoxide alarms.
- ❑ Carbon monoxide alarms are not substitutes for smoke alarms. Know the difference between the sound of smoke alarms and carbon monoxide alarms.

Fire Escape Planning

- ❑ Ensure that all household members know two ways to escape from every room of your home.
- ❑ Make sure everyone knows where to meet outside in case of fire.
- ❑ Practice escaping from your home at least twice a year and at different times of the day. Practice waking up to smoke alarms, low crawling and meeting outside. Make sure everyone knows how to call 9-1-1.
- ❑ Teach household members to STOP, DROP and ROLL if their clothes should catch on fire.

In case of fire ...



Follow Your Escape Plan!

Remember to GET OUT, STAY OUT and CALL 9-1-1 or your local emergency phone number.

- ❑ If closed doors or handles are warm, use your second way out. Never open doors that are warm to the touch.
- ❑ Crawl low under smoke.
- ❑ Go to your outside meeting place and then call for help.
- ❑ If smoke, heat or flames block your exit routes, stay in the room with doors closed. Place a wet towel under the door and call the fire department or 9-1-1. Open a window and wave a brightly colored cloth or flashlight to signal for help.

Use Caution with Fire Extinguishers

- ❑ Use a portable fire extinguisher ONLY if you have been trained by the fire department and in the following conditions:
  - The fire is confined to a small area, and is not growing.
  - The room is not filled with smoke.
  - Everyone has exited the building.
  - The fire department has been called.
- ❑ Remember the word PASS when using a fire extinguisher.
  - **P**ull the pin and hold the extinguisher with the nozzle pointing away from you.
  - **A**im low. Point the extinguisher at the base of the fire.
  - **S**queeze the lever slowly and evenly.
  - **S**weep the nozzle from side to side.

Let Your Family Know You're Safe

If you experience a home fire or any disaster, register on the American Red Cross Safe and Well Web site available through RedCross.org to let your family and friends know about your welfare. If you don't have Internet access, call 1-866-GET-INFO to register yourself and your family.

American Red Cross

For more information on disaster and emergency preparedness, visit RedCross.org.

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NOT FOR PUBLIC
DISSEMINATION/DISCLOSURE

Appendix N
Critical Facilities with Vulnerability Assessment

Facility	Contact Person	Type	Street	City	State	Zip	Latitude	Longitude	Vulnerability
AAA Ambulance Service	Wade Spruill, Jr.	Medical/health care offices	4080 U.S. Hwy. 11	Hattiesburg	MS	39404	31.32	-89.33	45
Barrontown Utility District	Elaine Tolbert	Water system facility	101 Dogwood Lane	Petal	MS	39465	31.55	-89.21	40
Bedford Care Center of Hattiesburg	Robert M. Perry	Health Care/Nursing Home	300 Cahal Street	Hattiesburg	MS	39401	31.34	-89.32	40
Bennett Auditorium	Bill Morris	School/Library	113 East Memorial Drive	Hattiesburg	MS	39401	31.33	-89.33	15
Brooklyn Utility Association	Bob Morris	Water system facility	210 Old Highway 49	Brooklyn	MS	39425	31.07	-89.19	38
Brooklyn VFD	Bob Hornick	Emergency services center	13 Pettis Dr.	Brooklyn	MS	39425	31.06	-89.19	38
Camp Shelby	James Pylant	Government offices	Bulding 1001 Lee Avenue	Hattiesburg	MS	39401	31.2	-89.23	45
Carnes VFD	Robert Lumpkin	Emergency services center	12 Jim Fitzgerald Lane	Wiggins	MS	39577	30.99	-89.26	32
City of Hattiesburg	Mike Smith	Water system facility	900 James Street	Hattiesburg	MS	394011	31.32	-89.28	42
City of Hattiesburg- Utility	L.C. Powell	Energy facility or system	1001 S. Tipton Street	Hattiesburg	MS	39401	31.31	-89.33	42
Clean Earth	Jan Duckes	Hazardous materials facility	89 Wesley Grant Rd	Hattiesburg	MS	39401	31.38	-89.18	34
Diversified CPC, Int.	Chad Rainey	Transportation facility	1374 U.S. Highway 11	Petal	MS	39465	31.35	-89.3	36
Dixie Attendance Center	Elizabeth Sims	School/Library	790 Elks Lake Rd	Hattiesburg	MS	39401	31.22	-89.31	28
Dixie Community Utility Association	Sebron Pullen	Utility/Water system facility	500 Elks Lake Rd.	Hattiesburg	MS	39401	31.24	-89.19	45
Dixie Electric Power Association	Jerry Gibson	Energy facility or system	1312 Highway 42	Petal	MS	39465	31.35	-89.27	45
Dixie Pipeline Company	Danny Evans	Transportation facility	1275 U.S. Highway 11 N.	Petal	MS	39465	31.38	-89.31	45
Dixie VFD	Lonnie Taylor	Emergency services center	73 Moore Rd	Hattiesburg	MS	39401	31.22	-89.26	32
Dufour Petroleum	Chris Causey	Energy facility or system	1374 Highway 11 N.	Petal	MS	39465	31.38	-89.26	44
Earl Travillion Elementary	Van Jones	School/Library	316 Travillion Rd.	Hattiesburg	MS	39401	31.4	-89.26	30
Eastabuchie Utility Association	Leroy Scott	Water system facility	795 Leeville Rd	Petal	MS	39465	31.38	-89.27	40
El Paso Field Sercives	Billy Drennan	Energy facility or system	1265 Highway 11 N.	Petal	MS	39465	31.38	-89.26	40
ElPaso Field Services	Sammy Thigpen	Energy facility or system	1382 Highway 11 N.	Petal	MS	39465	31.38	-89.27	40
Enterprise Products Operating LP	Fred Page	Hazardous materials facility	1364 Highway 11 N.	Petal	MS	39465	31.06	-89.19	43
Entex Gas Pipeline Station	Crag Rainey	Energy facility or system	13 Second Avenue	Hattiesburg	MS	39401	31.37	-89.27	45
Exxon Mobil	Kyle Nobles	Hazardous materials facility	1234 Highway 11 N.	Petal	MS	39465	31.07	-89.2	40
Forrest County AHS	Betty Carlisle	School/Library	215 Old Highway 49 East	Brooklyn	MS	39425	31.33	-89.29	30
Forrest County Circuit Courthouse	Betty Carlisle	Government offices	641 N. Main Street	Hattiesburg	MS	39401	31.26	-89.29	38
Forrest County MultiPurpose Center	Sarah Gatwood	Government offices	630 Main Street	Hattiesburg	MS	39401	31.33	-89.29	45
Forrest County Schools-Administrative Offices	Brian Freeman	Other critical facility type	962 Sullivan Rd.	Hattiesburg	MS	39401	31.26	-89.28	30
Forrest County Sheriff's Department	Billy McGee	Government offices	400 Forrest Street	Hattiesburg	MS	39401	31.33	-89.29	45
Forrest General Hospital	Wayne Landers	Emergency services center	55 Arena Dr.	Hattiesburg	MS	39401	31.33	-89.29	45
Glendale Utility District	David Draughn	Hospital/Critical Community Employer	6051 Highway 49	Hattiesburg	MS	39401	31.32	-89.33	45
Hattiesburg Clinic	Tommy Thornton	Water system facility	2805 Glendale Avenue	Hattiesburg	MS	39401	31.37	-89.31	45
Hattiesburg Convalescent Center	Jewell C. McMahan	Medical/health care offices	415 South 28th Avenue	Hattiesburg	MS	39401	31.32	-89.29	45
Hattiesburg Fire Department #1	James Fiero	Emergency services center	514 Bay Street	Hattiesburg	MS	39401	31.32	-89.29	42
Hattiesburg Fire Department #3	James Fiero	Emergency services center	810 N. Main Street	Hattiesburg	MS	39401	31.33	-89.29	42
Hattiesburg Fire Department #4	James Fiero	Emergency services center	53 Academy Drive	Hattiesburg	MS	39401	31.27	-89.25	42
Hattiesburg Fire Department #5	James Fiero	Emergency services center	5033 Highway 42	Hattiesburg	MS	39401	31.35	-89.33	42
Hattiesburg Fire Department #6	James Fiero	Emergency services center	922 East Hardy Street	Hattiesburg	MS	39401	31.53	-89.28	42
Hattiesburg Fire Department #7	James Fiero	Emergency services center	3902 Mantague Blvd	Hattiesburg	MS	39401	31.33	-89.35	42
Hattiesburg Medical Supply	Matthew Boyd	Emergency services center	46 Parkway Blvd	Hattiesburg	MS	39401	31.28	-89.32	29
Hattiesburg Police Department	Frazier Bolton	Critial community supplier	1301 South 28th Avenue	Hattiesburg	MS	39401	31.3	-89.33	45
Jessie L. Brown Tax Services Building	Betty Carlisle	Emergency services center	1 Government Plaza 601 Main St.	Hattiesburg	MS	39401	31.32	-89.29	24
Loyalton of Hattiesburg	Annette Wiley	Hospital/Nursing Home	103 Fox Chase Drive	Hattiesburg	MS	39401	31.33	-89.33	45
Macedonia VFD	Greg Page	Emergency services center	750 Macedonia Rd	Petal	MS	39465	31.39	-89.26	39
McLaurin VFD	Carl Dean	Emergency services center	1624 Old Highway 49	Hattiesburg	MS	39401	31.17	-89.22	38
Mississippi Power	Billy Browning	Energy facility or system	420 West Pine Street	Hattiesburg	MS	39401	31.35	-89.35	45
Mississippi Power Company	Mike Collins	Energy facility or system	5082 Highway 42	Hattiesburg	MS	39401	31.34	-89.33	45
Monroe Hall, LLC- Bedford Care Center	Robert M. Perry	Hospital/Nursing Home	298 Cahal Street	Hattiesburg	MS	39401	31.41	-89.32	45
North Forrest Elementary	Brian Freeman	School/Library	702 Eatonwille Rd	Hattiesburg	MS	39401	31.41	-89.33	27

Facility	Contact Person	Type	Street	City	State	Zip	Latitude	Longitude	Vulnerability
North Forrest High School	Brian Freeman	School/Library	693 Eatonville Rd	Hattiesburg	MS	39401	31.41	-89.33	27
North Forrest VFD	T.J. McDermont	Emergency services center	2315 Glendale Avenue	Hattiesburg	MS	39401	31.36	-89.31	27
Old Fedderal Building- County Juvenile Court	Betty Carlisle	Government offices	200 W. Pine Street	Hattiesburg	MS	39401	31.33	-89.29	24
Paul B. Johnson State Park	Ty Lindon	Other critical facility type	319 Geiger Lake Rd	Hattiesburg	MS	39401	31.14	-89.25	22
Pearl River Valley EPA	Sam Cain Jr.	Energy facility or system	1422 Highway 13 North	Columbia	MS	39429	31.22	-89.27	45
Petal Police Department	Leonard Fuller	Emergency services center	127 West 8th Avenue	Petal	MS	39465	31.34	-89.27	45
Presbyterian Christian School #1	Barrett Moshacker	School/Library	3901 Lincoln Road	Hattiesburg	MS	39401	31.3	-89.35	32
Presbyterian Christian School #2	Barrett Moshacker	School/Library	221 Bonhomie Rd	Hattiesburg	MS	39401	31.29	-89.31	32
Rawls Springs Attendance Center	Barrett Moshacker	School/Library	10 Archie Smith Rd	Hattiesburg	MS	39401	31.29	-89.37	32
Rawls Springs Utility District	Linda Bray	Waste water control facility	39 Archie Smith Rd	Hattiesburg	MS	39401	31.38	-89.37	42
Rawls Springs VFD	Carl Dean	Emergency services center	28 Dunlap Road	Hattiesburg	MS	39401	31.38	-89.41	39
Resinall Mississippi, Inc.	Bruce Launey	Hazardous materials facility	102 Dixie Pine Rd	Hattiesburg	MS	39401	31.414	-89.27	37
Sacred Heart School	Dr. Maribeth Andereck	School/Library	608 Southern Avenue	Hattiesburg	MS	39401	31.3	-89.29	33
South Forrest Attendance Center	Dale Coleman	School/Library	8 Burborne Street	Brooklyn	MS	39425	31.32	-89.19	33
South MS Chapter of the American Red Cross	Chase Munro	Transportation facility/ Emergency services	606 Hutchinson Avenue	Hattiesburg	MS	39401	31.06	-89.21	41
South MS Chapter of the American Red Cross	Chase Munro	Energy facility or system	95 W.L. Runnels Industrial Drive	Hattiesburg	MS	39401	31.33	-89.32	41
South MS Electric Power Association	Sara Peterson	Key transportation/evacuation route	7037 Highway 49 N.	Hattiesburg	MS	39401	31.29	-89.37	45
Bobby L. Chain Airport	Chip Gibson	Medical/health care offices	29 Academy Drive	Hattiesburg	MS	39401	31.38	-89.25	45
Southeast MS Rural Health Initiative, Inc.	Hope Bradley	Medical/health care offices	66 Old Airport Rd	Hattiesburg	MS	39401	31.27	-89.25	45
Southern Bone and Joint Specialists	David Burckel	Water system facility	3688 Veterans Memorial	Hattiesburg	MS	39401	31.38	-89.28	45
Sunrise Utlitiy	David Burckel	Emergency services center	465 Batson Rd	Hattiesburg	MS	39401	31.27	-89.33	45
Sunrise VFD	Jimmy Lackey	Emergency services center	167 Myers Rd	Petal	MS	39465	31.28	-89.21	35
The Emergency Management District	Terry Steed	Rehabilitation Center	4080 Highway 11	Hattiesburg	MS	39401	31.25	-89.18	45
Wesley Medical Center	Rodney Gresham/ Dixie Norris, RN	Government offices	5001 W. Hardy St.	Hattiesburg	MS	39401	31.32	-89.369	45
U.S. Postal Service	Kelly B. Livingston	School/Library	220 South 40th Avenue	Hattiesburg	MS	39401	31.32	-89.35	35
University of Southern Mississippi	Thomas Mitchell	Emergency services center	SS Box 5058	Hattiesburg	MS	39401	31.32	-89.33	36
University of Southern Mississippi Public Safety	Bob Hopkins	School/Library	SS Box 5061	Hattiesburg	MS	39401	31.33	-89.33	45
USM Physical Plant	Rodger Jackson	Hospital/Nursing Home	3101 W. 4th Street	Hattiesburg	MS	39401	31.33	-89.34	45
warren Hall, LLC Bedford Care Center	Robert M. Perry	Energy facility or system	300 Cahal Street	Hattiesburg	MS	39401	31.33	-89.32	33
Wilmut Gas Company	Robert Miller	Retail General	315 Main Street	Hattiesburg	MS	39401	31.34	-89.29	45
Sam's Club #6503	Tara Jessip	Retail General	6080 US Highway 98	Hattiesburg	MS	39401	31.33	-89.38	21
Walmart Supercenter #916	Robin Funk	Retail General	6072 US Highway 98	Hattiesburg	MS	39401	31.31	-89.37	21
Walmart Supercenter #887	Maureen Worth	Retail General	36 Byrd Blvd.	Petal	MS	39465	31.34	-89.25	21
Walmart Supercenter #2717	Celeste Buhl	Community Shelter	5901 US Hwy. 49	Hattiesburg	MS	39401	31.3	-89.32	21
FEMA Community Shelter	Danny Hopkins	Education	962 Sullivan Rd.	Hattiesburg	MS	39401	31.34	-89.33	45
Lillie Burney Elementary	James Bacchus	Education	901 Ida Avenue	Hattiesburg	MS	39401	31.25	-89.27	33
Grace Christiam Elementary	James Bacchus	Education	2207 W. 7th Street	Hattiesburg	MS	39401	31.3	-89.3	33
Hawkins Elementary	James Bacchus	Education	526 Forrest St.	Hattiesburg	MS	39401	31.32	-89.29	33
Mary Bethune Alternative	James Bacchus	Education	610 Dumas Avenue	Hattiesburg	MS	39401	31.3	-89.3	33
N.R. Burger Alternative	James Bacchus	Education	174 WSF Tatum Drive	Hattiesburg	MS	39401	31.29	-89.3	33
Rowan Elementary School	James Bacchus	Education	500 Martin Luther King Dr.	Hattiesburg	MS	39401	31.3	-89.29	33
Thames Elementary School	James Bacchus	Education	2900 Jamestown Road	Hattiesburg	MS	39401	31.31	-89.33	33
Woodley Elementary School	James Bacchus	Education	20606 O' Ferrell St.	Hattiesburg	MS	39401	31.32	-89.29	33
Hattiesburg High School	James Bacchus	Education	301 Hutchinson Ave.	Hattiesburg	MS	39401	31.32	-89.3	33

Appendix N Supplement

The facilities listed below were provided by the Hazard Mitigation Council during the last planning process (circa 2007). For the purposes of updating the plan, some additions were made to the list due to new construction. Critical facilities play an important role in the community. If the facilities are negatively impacted by storms or man-made hazards; the standard of living will be affected. Common examples of critical facilities include schools, hospitals, power plants, communication facilities, police and fire departments. Based upon the information of the council identifying the facility; a survey was then distributed. A copy of the survey can be found in Appendix D. Along with the survey, open dialogue discussions were held with officials and representatives from the facilities and a vulnerability determination was assigned. The assessment included the following factors:

1. Any Damage History (pass damage due to hazards)
2. Structural Vulnerability (condition of facility)
3. Operation (Can the facility be effective with loss of power/function)
4. Risk (amount of area affected)

The totals for each section vary and the highest score is typically a 10. Once the scores were tabulated an overall score was assigned to each facility. The different levels of vulnerability are as follows:

- 0-15: Low Vulnerability
- 16-25: Moderate Vulnerability
- 26-38: Moderate to High
- 38-above: High Vulnerability

Appendix O
All Identified Repetitive Loss Properties

REPETITIVE LOSS PROPERTIES

HOUSE__	STREET_NAM	CURRENT_
402	21st Avenue	Y
607	2nd Street	
401	32nd Avenue	Y
919	34th Avenue	
308	36th Avenue	Y
805	7th Street	Y
808	7th Street	Y
906	7th Street	Y
705	8th Street	
133	9th Street	
207	9th Street	
705	9th Street	
705 1	9th Street	
2501	Adeline Street	Y
134	Allen Street	
1008	Allen Street	
1309	Allen Street	
710	Alpha Street	
926	Atlanta Street	Y
1000	Atlanta Street	Y
1019	Atlanta Street	Y
1101	Atlanta Street	Y
1210	Atlanta Street	Y
900	Broadway Drive	
900	Broadway Drive	
2010	Brooklane	Y
104	Carpenter Street	
116	Carpenter Street	
900	Coit Street	
1214	Coit Street	
98	Currie Street	
100	Currie Street	
814	New Orleans Stre	Y
815	New Orleans Stre	Y
817	New Orleans Stre	Y
818	New Orleans Stre	Y
819	New Orleans Stre	
823	New Orleans Strr	
215	Oak Street	
325	Pine Street	
400	Pine Street	
1211	Putnam Avenue	Y
1405	Putnam Avenue	Y
800	River Street	

1001	Scott Street	
1101	Scott Street	
1104	Southern Avenue	
709	Sullivan Street	
715	Sullivan Street	
2400	Sutton Place	Y
2404	Sutton Place	Y
200	Tipton Street	Y
205	Tipton Street	Y
206	Tipton Street	Y
209	Tipton Street	
211	Tipton Street	Y
509	Tipton Street	Y
912	Tipton Street	Y
709	Webster Street	
715	Whitney Street	
723	Whitney Street	
926	Whitney Street	
2805	Williamsburg Roa	Y
223	Willis Street	
101	Currie Street	
102	Currie Street	Y
504	Currie Street	
1215	Dewey Street	
1411	Dewey Street	
2100	Eddy Street	Y
113	Edna Street	
1303	Elizabeth Avenue	
709	Fairley Street	
1007	Fairley Street	
1010	Fairley Street	
1012	Fairley Street	
1018	Fairley Street	
1019	Fairley Street	
1020	Fairley Street	
1021	Fairley Street	
1011	Flowers Street	
200	Forrest Street	
422	Forrest Street	
506	Forrest Street	
520	Forrest Street	
614	Frederick Street	
706	Greely Street	
908	Gulfport Street	
214	Gussie Street	
606	Gussie Street	
511	Hall Avenue	

1405	Hall Avenue	
1607	Hardy Street	Y
1609	Hardy Street	Y
805	Hardy Street	
118	Heiddle Street	Y
5489	Hwy 42 bypass	
5584	Hwy 42 bypass	
2807	Hillside Drive	Y
1005	Jennie Street	Y
108	Klondyke Street	Y
703	Lincoln Street	Y
705	Lincoln Street	Y
708	Lincoln Street	Y
710	Lincoln Street	Y
718	Lincoln Street	Y
721	Lincoln Street	Y
846	Main Street	
2601	Mamie Street	
301	Martha Street	
700	McKinley Street	
606	McSwain Street	Y
605	McSwain Street	
607	McSwain Street	
609	McSwain Street	Y
716	Memphis Street	Y
718	Memphis Street	Y
722	Memphis Street	Y
804	Memphis Street	Y
809	Memphis Street	Y
811	Memphis	Y
1119	Mobile Street	Y
810	Mobile Street	Y
1020	Mobile Street	Y
710	Monterrey Lane	Y
3009	Navajo Circle	Y
721	New Orleans Stre	Y
1702	Hardy Street	Y

FEMA AMENDMENT LETTERS

PPIN	ADDRS	CASE_NUM	DATE	MAP_NUM	FLOODZONE	LastUpdate
23640	3416 Tiltree Rd	92-04-035B	2/13/1992	28035C0080D	X	2/4/2013
16276	1915 Mamie St	L-952-200	6/20/1995	28035C0112D	X	2/4/2013
25346	206 Beverly Lane	R4-974-148	9/8/1997	28035C0104D	X	2/4/2013
18107	3004 Raphael Dr	98-04-884A	7/8/1998	28035C0112D	X	2/4/2013
22370	2902 Lincoln Rd, Apt 1	99-04-5488A	10/19/1999	28035C0112D	X	2/4/2013
22363	2902 Lincoln Rd, Apt 3	99-04-5508A	10/26/1999	28035C0112D	X	2/4/2013
14749	405 Crestmont Av	02-04-4092A	4/24/2002	28035C0104D	X	2/4/2013
14751	315 S 32nd Av		10/26/1999	28035C0104D	X	2/4/2013
26901	1910 W Pine St		4/26/2004	28035C0116D	X	2/4/2013
14749	405 Crestmont Av		4/24/2002	28035C0104D	X	2/4/2013
25287	311 Beverly Ln		3/18/2010	28035C0104D	AE	2/4/2013
22366	2902 Lincoln Rd		4/9/2009	28035C0112D	X	2/4/2013
24297	2304 Sutton Pl		1/30/2007	28035C0112D	AE SX	2/4/2013
22575	421 S 34th Av		9/7/2010	28035C0104D	X	2/4/2013
37611	6661 Hwy 49		8/9/2011	28035C0101D	SX AE	2/4/2013
16334	1810 Mamie St		11/4/2004	28035C0104D	AE SX	2/4/2013
24766	3001 Laramie Cir		9/2/2010	28035C0112D	SX	2/4/2013
24445	903 Sioux Ln		5/18/2011	28035C0112D	SX AE	2/4/2013
24767	2931 Laramie Cir		9/29/2011	28035C0112D	SX AE	2/4/2013
22365	2902 LINCOLN RD APT 5	13-04-3022A	3/19/2013	28035C0112D	X	4/9/2013

Appendix P
Generator Data Spreadsheet

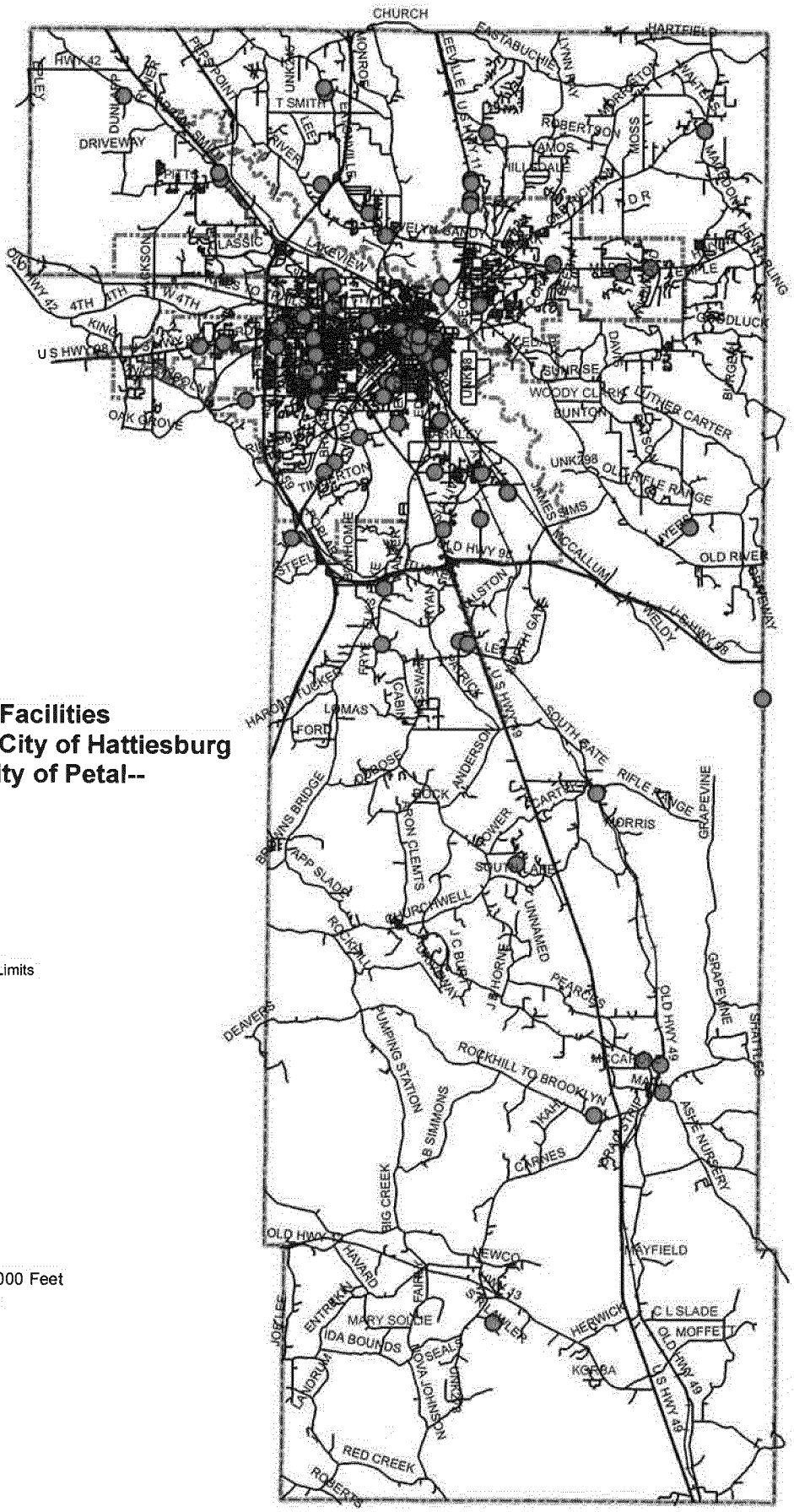
Generator Data Spreadsheet

Priority	Location (physical address)	Size	Total cost (including installation)	Lat/Long	Purchased
Priority 1	962 Sullivan Road Multi Purpose Bld. Shelter	355 K W	$100,000.00	N 31.25780 W 89.27712	***
Priority 2	3719 Veterans Memorial Blvd. YMCA Shelter	600 KW	$210,000.00	N 31.16.42.9 W 89.19.29.3	
Priority 3	641 Main St. Chancery Bld.	200 KW	$93,000.00	N 31.32769 W 89.29137	***
Priority 4	601 Main St. Tax Building	125 KW	$73,000.00	N 31.32746 W 89.29038	***
Priority 5	53 Academy Drive Police & Fire Academy Staging Area	150 KW	$55,000.00	N 31.16.10.1 W 89.15.07.3	
Priority 6	29 Academy Drive Bobby Chain Airport	100 KW	$55,000.00	N 31.16 12.8 W 89.15.14.7	
Priority 7	West 7th & Short South Lift Station Petal	80KW	$35,000.00	N 31-20-21 W 89-16-18	
Priority 8	107 S.17 Ave. Zoo	150 KW	$55,000.00	N 31.19.24.2 W 89.18.52.6	
Priority 9	Maintenance Facility 103 Faulkner St.	340 KW	$210,000.00	N 31.18.32.3 W 89 16.44.8	
Priority 10	Petal Central Fueling Station	60 KW	$36,688.00	N31.20.48.99 W89.16.56	
Priority 11	Petal Fire Station #1	100 KW	$28,296.00	N31.20.13.65 W89.15.49.64	
Priority 12	Petal Fire Station #2	100 KW	$28,926.00	N 31.21.15.76 W 89.15.75	
Priority 13	Eastabuchie Water Association Water Well	175 KW	$94,875.00		
Priority 14	Petal City Barn	60 KW	$36,688.00	N 31.21.9.70 W 89.16.16.87	
Priority 15	630 Main St. Circuit Building	135 KW	$82,000.00	N 31.32774 W 89.29189	***
Priority 16	1180 Dixie Barn Road, Hattiesburg	60 KW	$19,990.00	N31.221674 W 89.305868	
Priority 17	1905 N. 31st. Avenue, Hattiesburg	60 KW	$19,990.00	N31.351497 W 89.334920	
Priority 18	695 Herrington Road, Petal	20 KW	$15,000.00	N31.393496 W 89.201118	
Priority 19	308 McCrory Road, Hattiesburg	20 KW	$15,000.00	N31.166175 W 89.218826	
Priority 20	2169 Carnes Road, Brooklyn	20 KW	$15,000.00	N31.041731 W 89.213361	
Priority 21	Hwy 49 South Rawls Springs Water Tank	130 KW	$40,000.00	N 31-22-02.1 W 89-21-39.9	
Priority 22	900 James Street Water Plant #2	750 KW	$312,989.00	N 31.18.50.7 W 89 16.50.9	***
Priority 23	2800 Lakeview Road Water Plant #1	1500 KW	$1,174,132.00	N 31.21.06.9 W 89.19.52.0	***
Priority 24	450 Weathersby Road Water Tank	230 KW	$107,356	N 31.19.42.3 W 89.22.19.7	
Priority 25	2811West 4th St Water Tank	200 KW	$83,947.00	N 31.20.00.6 W 89.22.39.7	
Priority 26	Archie Smith Road Water Tank	100 KW	$34,400.00	N 31-24-22.4 W 89-23-58	
Priority 27	Hillcrest Loop Water Plant A	200KW	$55,850.00	N 31-19-58 W 89-15-36	***
Priority 28	S. Main St.Water Plant B	200KW	$60,520.00	N 31-20-04 W 89-14-52	***
Priority 29	Meadowbrook	125KW	$34,000.00	N 31-20-50 W 89-14-05	***
Priority 30	Camco Lagoon	100KW	$30,000.00	N 31-21-15 W 89-10-53	***
Priority 31	3401 West 7th Street	30 KW	$35,000.00	N 31.20.16.6 W 89.20.21.5	
Priority 32	Grounds Maintenance 800 Arledge St.	30 KW	$35,000.00	N 31.1856.6 W 89.1710.1	
Priority 33	Trailwood Lagoon	100KW	$28,000.00	N 31-20-18 W 89-12-09	***
Priority 34	Carterville & Watts	60KW	$36,000.00	N 31-19-18 W 89-14-53	
Priority 35	Corinth Rd	30KW	$24,000.00	N 31-20-11 W 89-14-29	
Priority 36	Stewart Drive	30KW	$24,000.00	N 31-20-40 W 89-14-52	

Priority	Location (physical address)	Size	Total cost (including installation)	Lat/Long	Purchased
Priority 37	Kelly Rose	30KW	$24,000.00	N 31-22-13 W 89-14-03	
Priority 38	Skyland & Fairview	30KW	$22,000.00	N 31-22-06 W 89-14-43	
Priority 39	Chapel Hill & Park	90KW	$32,000.00	N 31-21-35 W 89-15-18	
Priority 40	Hwy 11 Service Rd.	16KW	$17,000.00	N 31-20-53 W 89-16-19	
Priority 41	City Barn Loop	16 KW	$17,000.00	N 31-21-12 W 89-16-17	
Priority 42	Mitchell & Stevens	16KW	$17,000.00	N 31-21-07 W 89-16-11	
Priority 43	N George & Cherry	16KW	$20,000.00	N 31-20-57 W 89-16-04	
Priority 44	Mamie St.	16KW	$22,000.00	N 31-21-19 W 89-16-04	
Priority 45	Leeville Rd.	16KW	$22,000.00	N 31-21-18 W 89-15-41	
Priority 46	Lynn Ray Rd	18KW	$22,000.00	N 31-21-49 W 89-15-22	
Priority 47	Norrell Road	16KW	$20,000.00	N 31-22-16 W 89-14-50	
Priority 48	Robinson & Leeville	18KW	$22,000.00	N 31-22-20 W 89-15-15	
Priority 49	Maryland & Old Richton	16KW	$20,000.00	N 31-21-46 W 89-14-33	
Priority 50	King Blvd	16KW	$20,000.00	N 31-21-11 W 89-14-29	
Priority 51	Bryant & Old Richton	16KW	$20,000.00	N 31-21-53 W 89-14-12	
Priority 52	Old Richton Rd	16KW	$20,000.00	N 31-21-58 W 89-13-55	
Priority 53	Byrd Parkway	19KW	$24,000.00	N 31-21-05 W 89-14-00	
Priority 54	Carterville #2	18KW	$22,000.00	N 31-18-48 W 89-14-32	
Priority 55	Hwy 42	18 KW	$22,000.00	N 31-20-04 W 89-12-32	
Priority 56	WalnutDrive	18KW	$22,000.00	N 31-20-56 W 89-13-34	
Priority 57	Maple Drive	18KW	$22,000.00	N 31-20-51 W 89-13-21	
Priority 58	Maple Road	18KW	$22,000.00	N 31-20-51 W 89-12-33	
Priority 59	Red Fern Trail	18KW	$22,000.00	N 31-20-58 W 89-11-46	
Priority 60	Red Fern Trail & Chestnut	18KW	$22,000.00	N 31-20-53 W 89-11-46	
Priority 61	Red Fern Trail & Lake	18KW	$22,000.00	N 31-20-46 W 89-11-40	
Priority 62	Red Mapel Trail	18KW	$22,000.00	N 31-20-29 W 89-11-45	
Priority 63	Macedonia Road	18KW	$22,000.00	N 31-20-14 W 89-10-22	
Priority 64	Eastover	18KW	$22,000.00	N 31-21-27 W 89-10-31	
Priority 65	Nicholas Drive	18KW	$22,000.00	N 31-20-37 W 89-10-58	
Priority 66	Holly Drive	18KW	$22,000.00	N 31-20-24 W 89-11-05	
Priority 67	Hunter's Ridge	18KW	$22,000.00	N 31-20-23 W 89-11-14	
Priority 68	Tee Time	18KW	$22,000.00	N 31-21-00 W 89-11-03	
Priority 69	Green Bay	18KW	$22,000.00	N 31-20-34 W 89-10-07	
Priority 70	Tropical Gardens	18KW	$22,000.00	N 31-21-31 W 89-11-51	
Priority 71	Panther Drive West	18KW	$22,000.00	N 31-21-13 W 89-12-02	
Priority 72	Panther Drive East	18KW	$22,000.00	N 31-21-11 W 89-11-40	
Priority 73	Deerwood	18KW	$22,000.00	N 31-21-12 W 89-11-18	
Sub-total A	totals generators on this sheet		$4,194,647.00		

Priority	Location (physical address)	Size	Total cost (including installation)	Lat/Long	Purchased
Sub-total B	total generators on next page minus Water Plants 1 & 2		$2,484,918.00		
Total			$6,679,565.00		

Appendix Q
Critical Facilities Map



Critical Facilities
--Forrest County, City of Hattiesburg and the City of Petal--

Legend

- Facilities
- Forrest Roads
- Railroad
- Hattiesburg City Limits
- Petal City Limits
- Forrest County

N
W E
S

0 11,500 23,000 Feet

For planning purposes only.
Not for pubic disclosure.

U.S. Department of Homeland Security
FEMA Region IV
3003 Chamblee Tucker Road
Atlanta, GA 30341

FEMA

February 6, 2014

Ms. Jana Henderson
State Hazard Mitigation Officer
Mississippi Emergency Management
Post Office Box 5644
Pearl, Mississippi 39208

Attention: Mr. Bill Patrick, Bureau Director- Mitigation Plans

Reference: Forrest County Multi-jurisdictional Hazard Mitigation Plan

Dear Ms. Henderson:

We are pleased to inform you that the Forrest County Multi-jurisdictional Plan is in compliance with the federal hazard mitigation planning requirements resulting from the Disaster Mitigation Act of 2000, as contained in 44 CFR 201.6. The plan is approved for a period of five (5) years, to February 5, 2019.

This plan approval extends to the following participating jurisdiction that provided a copy of their resolution adopting the plan:

- Forrest County Unincorporated

The approved participating jurisdiction is hereby an eligible applicant through the State for the following mitigation grant programs administered by the Federal Emergency Management Agency (FEMA):

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)

National Flood Insurance Program (NFIP) participation is required for some programs.

We commend the participants in the Forrest County plan for the development of a solid, workable plan that will guide hazard mitigation activities over the coming years. Please note that all requests for funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted. For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for FEMA funding under any of the aforementioned programs.

We strongly encourage the community to perform an annual review and assessment of the effectiveness of their hazard mitigation plan; however, a formal plan update is required at least every five (5) years. We also encourage each Community to conduct a plan update process within one (1) year of being included in a Presidential Disaster Declaration or of the adoption of major modifications to their local Comprehensive Land Use Plan or other plans that affect hazard mitigation or land use and development.

When the plan is amended or revised, it must be resubmitted through the State as a "plan update" and is subject to a formal review and approval process by our office. If the plan is not updated prior to the required five (5) year update, please ensure that the draft update is submitted at least six (6) months prior to expiration of this plan.

The State and the participants in the Forrest County plan should be commended for their close coordination and communications with our office in the review and subsequent approval of the plan. If you or Forrest County have any questions or need any additional information please do not hesitate to contact Cathy Strickland, of the Hazard Mitigation Assistance Branch, at (770) 220-5328 or Linda L. Byers of my staff, at (770) 220-5498.

Sincerely,

Robert E. Lowe, Chief
Risk Analysis Branch
Mitigation Division

FORREST COUNTY, MISSISSIPPI
FACT SHEET AND BOARD ORDER

AGENDA ITEM NO. 20 **DATE** December 16, 2013

INTRODUCED BY Betty Carlisle, County Administrator

BRIEF TITLE Notice of Public Hearing - Adoption of Hazard Mitigation Plan

EXHIBITS FOR REVIEW Notice of Public Hearing

RECOMMENDATION (exact wording for Agenda)

Approve and authorize publication of a Notice of Public Hearing for adoption of the Hazard Mitigation Plan for Forrest County.

BOARD ACTION

☒ Approved ☐ Rejected

☐ Information only ☐ No Action

Amended to read as follows:

MOTION MADE BY Chris Bowen **SECONDED BY** Roderick Woullard

MEMBERS VOTED:

DAVID HOGAN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHARLES MARSHALL	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
BURKETT ROSS	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
RODERICK WOULLARD	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHRIS BOWEN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT

SO ORDERED AND APPROVED On this the 16th **day of** December **,** **2013**

FORREST COUNTY, MISSISSIPPI
FACT SHEET AND BOARD ORDER

AGENDA ITEM NO. 45 **DATE** August 28, 2013

INTRODUCED BY Betty Carlisle, County Administrator

BRIEF TITLE Multi Jurisdictional Hazard Mitigation Plan (Draft)

EXHIBITS FOR REVIEW Multi Jurisdictional Hazard Mitigation Plan (Draft)

RECOMMENDATION (exact wording for Agenda)

Acknowledge the submittal of the Draft Multi Jurisdictional Hazard Mitigation Plan for Forrest County, the City of Hattiesburg, the City of Petal, and the Emergency Management District, that was submitted to the Mississippi Emergency Management (MEMA) on August 15, 2013.

BOARD ACTION ☒ Approved ☐ Rejected ☐ Information only ☐ No Action

Amended to read as follows:

MOTION MADE BY Chris Bowen **SECONDED BY** Charles Marshall

MEMBERS VOTED:

DAVID HOGAN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHARLES MARSHALL	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
BURKETT ROSS	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
RODERICK WOULLARD	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT
CHRIS BOWEN	☒ YES	☐ NO	☐ ABSTAIN	☐ ABSENT

SO ORDERED AND APPROVED On this the 28th **day of** August **,** **2013**

H14569

2nd Review

Please proof ad carefully and return approving or with changes to fax number (601)584-3975. Legals and Obituaries will NOT publish without approving proof.
HATTIESBURG AMERICAN CLASSIFIEDS DEPT
(601)584-3982
REP: CJ

0200455730
277 words
$ 70.94

1/2

1/12

PUBLIC HEARING NOTICE

A public hearing will be held on January 13, 2014, for the public to review the final Hazard Mitigation Plan for Forrest County and the cities of Hattiesburg and Petal. The hearing will be held at the following location:

• Forrest County Chancery Building Board Room at 5:30 p.m., 641 Main Street; Hattiesburg, Mississippi

The purpose of the public hearings is to review the final Hazard Mitigation Plan in effort to reduce future natural disaster losses in the City of Petal, the City of Hattiesburg, and Forrest County and including the Emergency Management District. Items included in the final plan include the following:

•Executive Summary
•Description of Planning Process
•Risk Assessment that includes hazard identification and vulnerability
•Local Capabilities
•Mitigation Strategies
•Description of Plan Amendments

Copies of the final plan are available at Forrest County Chancery Building, Petal City Hall, Hattiesburg City Hall and the Emergency Management District office.

Comments and questions should be submitted to Corey Proctor, Forrest County Planning Director at 601-584-6162 (cproctor@co.forrest.ms.us), Amy Heath, City of Petal Building Department Director 601-544-6048 (aheath@cityofpetal.com), Ginger Maddox, City of Hattiesburg Planner, at 601-554-1031 (gmaddox@hattiesburgms.com), or Kyle Hopkins, Emergency Management Operations Officer at 601-544-5911 (kyle@forresteoc.com).

WITNESS my signature and the official seal of said County on this the 16th day of December A.D., 2013.

FORREST COUNTY

Jimmy C. Havard, Chancery Clerk

PROOF

RESOLUTION

FOR COMMITMENT TO HAZARD MITIGATION
FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES
IN THE CITY OF HATTIESBURG, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of Hattiesburg, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens, and significantly reduce the loss of life and property from natural hazards; and

WHEREAS, a concerted effort has been made by Forrest County, The City of Hattiesburg, The City of Petal and Emergency Management to address hazard mitigation in our respective policies and programs; and

WHEREAS, hazard mitigation goals and objectives have been effectively developed through participation in the development of a regional mitigation plan; and

WHEREAS, the Hazard Mitigation Plan for Forrest County, The City of Hattiesburg, The City of Petal and Emergency Management has received final approval from FEMA, contingent upon approval and adoption by each participating jurisdiction;

NOW THEREFORE, We, The City of Hattiesburg, do hereby resolve to adopt the Hazard Mitigation Plan.

The foregoing Resolution having been reduced to writing, the same was introduced by Council Person, _____ seconded by Council Person ,_____ and was adopted by the following vote to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the _____day of _____ A.D., 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

The above and foregoing Resolution having being submitted to and approved by the Mayor, this the _____day of _____ A.D., 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

RESOLUTION

FOR COMMITMENT TO HAZARD MITIGATION
FOR THE PURPOSE OF REDUCING FUTURE DISASTER LOSSES
IN THE CITY OF HATTIESBURG, MISSISSIPPI

WHEREAS, various natural hazards have the potential for causing devastating harm and loss of life and property to the citizens of Hattiesburg, and will continue to do so; and

WHEREAS, the implementation of hazard mitigation policies and strategies can protect the citizens, and significantly reduce the loss of life and property from natural hazards; and

WHEREAS, a concerted effort has been made by Forrest County, The City of Hattiesburg, The City of Petal and Emergency Management to address hazard mitigation in our respective policies and programs; and

WHEREAS, hazard mitigation goals and objectives have been effectively developed through participation in the development of a regional mitigation plan; and

WHEREAS, the Hazard Mitigation Plan for Forrest County, The City of Hattiesburg, The City of Petal and Emergency Management has received final approval from FEMA, contingent upon approval and adoption by each participating jurisdiction;

NOW THEREFORE, We, The City of Hattiesburg, do hereby resolve to adopt the Hazard Mitigation Plan.

The foregoing Resolution having been reduced to writing, the same was introduced by Council Person, Naylor seconded by Council Person, Dryden and was adopted by the following vote to-wit:

YEAS: Bradley, Delgado, Dryden, Naylor NAYS: None ABSENT: Carroll

The President thereby declared the motion carried and the Resolution adopted, this the 2nd day of September A.D., 2014.

(S E A L)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Resolution having being submitted to and approved by the Mayor, this the 2nd day of September A.D., 2014.

ATTEST:

Sharon Waits D.C.
CITY CLERK

APPROVED:

MAYOR

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1341

File ID:	2014-1341	**Type:**	Resolution	**Status:**	Passed
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	BP Rexam LLC, Tax Exemption			**Final Action:**	09/02/2014
				Minute Book Number:	MB2014-248

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to BP Rexam Closures, LLC, for a period not to exceed ten (10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $9,337,025.00. or the amount approved by the Mississippi Department of Revenue.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Letter from ADP-BP REXAM-9-2-2014, Application-BP Rexam-9-2-2014, Resolution BP Rexam-9-2-2014, executed Resolution BP Rexam-9-2-2014	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:	Kermas Eaton	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Adopt				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to BP Rexam Closures, LLC, for a period not to exceed ten (10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $9,337,025.00. or the amount approved by the Mississippi Department of Revenue.

J.R. Robinson of the Area Development Partnership appeared before the Council to discuss Policy Agenda Items VI.-5 and VI.-7. He distributed a handout regarding the abated city tax bills of Berry Plastics and Stokes Distributing.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1341

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to BP Rexam Closures, LLC, for a period not to exceed ten (10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $9,337,025.00. or the amount approved by the Mississippi Department of Revenue.

Summary

Ad Valorem Tax Exemption.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

ADP
CHAMBER OF COMMERCE • ECONOMIC DEVELOPMENT
AREA DEVELOPMENT PARTNERSHIP
GREATER HATTIESBURG, MISSISSIPPI

MEMORANDUM

TO: City Council, City of Hattiesburg

DATE: July 30, 2014

FROM: Chad Newell C.N.

RE: BP Rexam Closure Systems, Inc.

We greatly appreciate the opportunity to review the ad valorem tax exemption application for BP Rexam Closure Systems, Inc., located at 72 W. L. Runnels Drive, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants strong consideration by the council. As businesses continue to maneuver through today's economy, we need to work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and those we are trying to recruit.

BP Rexam has been in operation since 2001 and employees 97. The company seeks a 10 year ad valorem tax exemption for machinery and equipment additions completed during 2013 with a value of $9,337,025.00. Again, we are in favor of this exemption and certainly appreciate your consideration.

APPLICATION FOR AD VALOREM TAX EXEMPTION

AS AUTHORIZED BY SECTION 27-31-101, et seq.,
MISSISSIPPI CODE OF 1972, AS AMENDED

NAME OF ENTERPRISE BP Box Closures, LLC

PHYSICAL ADDRESS 72 W.L. Bunnels Industrial Drive

TYPE OF INDUSTRY Manufacturing PRODUCT/SERVICE Plastic Products

LOCATION - COUNTY Forrest CITY Hattiesburg

DATE OF COMPLETION 12/31/13 YEARS REQUESTED 5

NEW (SECTION 27-31-101) _____ EXPANSION (SECTION 27-31-105) ✓

NEW JOBS _____ ESTIMATED PAYROLL _____

TRUE VALUE OF PROPERTY EXEMPTED 9,337,025.00
*Attach an itemized list of property to be exempted as Exhibit "A".

The *applicant request that the Board approve this application by an order spread on its minutes declaring that the above property be exempt from all ad valorem taxation except school taxation for the period requested. The applicant further request that the application and certified approval of exemption be forwarded to the State Tax Commission and upon approval and certification by the Commission, the Board enter a final order on its minutes granting the exemption. The above information is true and correct as certified by the applicant.*
This application is submitted on the 1st *day of* April, 2014.

Applicant (Name of Taxpayer)

By: Jason Humphrey

Title: Tax Director

ATTEST:

FILED
APR 08 2014
CHANCERY CLERK
Forrest County, Miss.

2013 Adds

JDE #	Asset Class Description	Capitalized on	Asset description	Original value
85571	Molds	12/30/2012	1881 2pc CSD Upper Mold Toolin	144,178.65
85573	Molds	12/30/2012	28 1881 CSD CMX TS5 Coke	313,740.00
85574	Molds	12/30/2012	1881 2pc CSD Cavities Coke	115,489.50
85578	Molds	12/30/2012	IS1200 Tooling 1881 Gen II #5	107,302.64
85579	Molds	12/30/2012	28 1881 2pc CSD Coke	83,016.76
85580	Molds	12/30/2012	28 1881 Tool & Finishing	23,371.88
85581	Molds	12/30/2012	28 1881 1pc CMX Prod Tooling	420,643.48
85582	Molds	12/30/2012	28 1881 1pc CMX Invert Score	51,267.34
85586	Molds	12/30/2012	28 1881 2pc CSD Gu III Tooling	1,536,494.00
85587	Molds	12/30/2012	28 1881 2pc Gen III Cavities	216,235.00
85588	Molds	12/30/2012	28 1881 IS-1205 Tooling Cell14	42,000.00
85589	Molds	12/30/2012	28 1881 IS 1205 Tooling Cell15	42,000.00
85590	Molds	12/30/2012	28 1881 IS 1205 Tooling Cell16	42,000.00
85591	Molds	12/30/2012	28 1881 Liner Tooling Cell 1	30,830.00
85592	Molds	12/30/2012	28 1881 Liner Tooling Cell 2	30,830.00
85593	Molds	12/30/2012	28 1881 Liner Tooling Cell 3	30,830.00
85594	Molds	12/30/2012	28 1881 Liner Tooling Cell 14	30,830.00
85595	Molds	12/30/2012	28 1881 Liner Tooling Cell 15	30,830.00
85596	Molds	12/30/2012	28 1881 Liner Tooling Cell 16	30,830.00
85597	Molds	12/30/2012	28 1881 PMV Cell 14	379,679.93
85598	Molds	12/30/2012	28 1881 PMV Cell 15	379,679.93
85599	Molds	12/30/2012	28 1881 Corton Lift Cell 17	16,827.23
85601	Molds	12/30/2012	28 1881 CSD Gen III Coke Cell1	151,402.11
85602	Molds	12/30/2012	28 1881 CSD Gen III Coke Cl 14	569,956.68
85603	Molds	12/30/2012	28 1881 CSD Gen III Coke Cl 15	579,638.20
85604	Molds	12/30/2012	28 1881 CSD Gen III Coke Cl 16	618,700.47
85605	Molds	12/30/2012	28 1881 CSD Gen III Coke Cl 2	138,805.44
85606	Molds	12/30/2012	28 1881 2pc CSD Gen III Coke	229,654.35
87941	Molds	8/4/2013	28mm 1881 Linerless CSD Cores	25,026.25
86476	Molding Machines	3/31/2013	Cell 6 Molder Repair	75,840.00
86782	Molding Machines	4/1/2013	CCM646L 64 Station Comp Molder	761,295.75
85575	Other Machinery & Equipment	12/30/2012	Compressed Air System	237,251.88
85576	Other Machinery & Equipment	12/30/2012	Cell 17 Addition	151,208.97
85577	Other Machinery & Equipment	12/30/2012	Mod 1 Camera Upgrade	363,485.50
85600	Other Machinery & Equipment	12/30/2012	28 1881 Chill Water Heater C17	25,768.53
86489	Other Machinery & Equipment	3/31/2013	Packout Auto Conveyor System	971,206.49
86490	Other Machinery & Equipment	3/31/2013	Packout Automation Pallet Wrap	67,618.23
86491	Other Machinery & Equipment	3/31/2013	Packout Automation Ele Systems	49,868.60
87066	Other Machinery & Equipment	6/30/2013	Production Floor Video Monitor	22,987.11
88155	Other Machinery & Equipment	9/1/2013	Desco Cells 15 & 17 flightbar	35,487.22
88156	Other Machinery & Equipment	9/1/2013	Keyence Mesurement Inspection	53,900.00
88599	Other Machinery & Equipment	9/29/2013	Desco 10 & 16 double flight ba	28,016.88
90199	Office Equipment	11/3/2013	Hatt Terminals	29,800.00
90204	Office Equipment	11/3/2013	HATT Zebra Printers	9,200.00
90212	Office Equipment	11/3/2013	HATT Network Enhancements	42,000.00
				9,337,025.00

RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES

The City Council next took up for consideration the matter of the application of BP Rex Closures, LLC. for exemption from Ad Valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES TO BP REX CLOSURES, LLC. AS AUTHORIZED BY SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, BP Rex Closures, LLC. on April 14, 2014, filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, BP Rex Closures, LLC has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that BP Rex Closures, LLC. is entitled to the exemption sought for a period of ten years, all subject to approval and certification by the Mississippi State Tax Commission.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by BP Rex Closures, LLC. for a consecutive period of ten (10) years from December 31, 2013 through December 31, 2023 as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, and l as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi State Tax Commission.

Section 2. That BP Rex Closures, LLC. is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on the December 31, 2013 and ending on December 31, 2023 with a total true value of $9,337,025.00, or the amount approved by Mississippi Tax Commission.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi State Tax Commission for its approval and certification; after receipt of certification

from the Mississippi State Tax Commission a Final Order of the Council granting the exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the State Tax Commission and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilman _____, seconded by Councilman _____ _____, and was adopted by the following vote, to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 2nd day of September, 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

RESOLUTION OF THE CITY COUNCIL OF HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES

The City Council next took up for consideration the matter of the application of BP Rex Closures, LLC. for exemption from Ad Valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES TO BP REX CLOSURES, LLC. AS AUTHORIZED BY SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, BP Rex Closures, LLC. on April 14, 2014, filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, BP Rex Closures, LLC has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that BP Rex Closures, LLC. is entitled to the exemption sought for a period of ten years, all subject to approval and certification by the Mississippi State Tax Commission.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by BP Rex Closures, LLC. for a consecutive period of ten (10) years from December 31, 2013 through December 31, 2023 as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, and l as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi State Tax Commission.

Section 2. That BP Rex Closures, LLC. is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on the December 31, 2013 and ending on December 31, 2023 with a total true value of $9,337,025.00, or the amount approved by Mississippi Tax Commission.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi State Tax Commission for its approval and certification; after receipt of certification

from the Mississippi State Tax Commission a Final Order of the Council granting the exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the State Tax Commission and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilman Dryden, seconded by Councilman Naylor, and was adopted by the following vote, to-wit:

YEAS: Bradley
Delgado
Dryden
Naylor

NAYS: None ABSENT: Carroll

The President thereby declared the motion carried and the Resolution adopted, this the 2nd day of September, 2014.

(S E A L)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST:

CITY CLERK

APPROVED:

MAYOR

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1352

File ID: 2014-1352 **Type:** Resolution **Status:** Passed

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/28/2014

Brief Title: Downtown Central Business Tax Exemption **Final Action:** 09/02/2014

Minute Book Number: MB2014-248-249

Title:

Adopt a Resolution approving the request for a tax exemption filed by Hub City Lofts, LLC, for an ad valorem tax exemption, except school district ad valorem taxes, for the Carter Building Project and The American Building Project in the downtown central business district for a period of seven(7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amount as follows: $570,010.00 (Carter Building),116 East Front Street, Parcel 2-029J-10-334.00; $1,572,060.00(Carter Building), 501-509 Main Street, Parcel 2-029J-10-335.00; and $1,472,010.00 (American Building), 207 East Front Street & Short Street, Parcel 2-029J-10-348.00.

Notes:

Sponsors: **Enactment Date:**

Attachments: Memo-Kermas-Hub City Lofts,, Application &Supporting Docs. Hub City Lofts,LLC, Hub City Lofts Resolution, Spread Sheet. Hub City Lofts, executed Hub City Lofts Resolution

Enactment Number:

Contact: **Meeting Date:**

Drafter: Kermas Eaton **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Adopt				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Adopt a Resolution approving the request for a tax exemption filed by Hub City Lofts, LLC, for an ad valorem tax exemption, except school district ad valorem taxes, for the Carter Building Project and The American Building Project in the downtown central business district for a period of seven(7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amount as follows: $570,010.00 (Carter Building),116 East Front Street, Parcel 2-029J-10-334.00; $1,572,060.00(Carter Building), 501-509 Main Street, Parcel 2-029J-10-335.00; and $1,472,010.00 (American Building), 207 East Front Street & Short Street, Parcel 2-029J-10-348.00.v

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1352

Title

Adopt a Resolution approving the request for a tax exemption filed by Hub City Lofts, LLC, for an ad valorem tax exemption, except school district ad valorem taxes, for the Carter Building Project and The American Building Project in the downtown central business district for a period of seven(7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amount as follows: $570,010.00 (Carter Building),116 East Front Street, Parcel 2-029J-10-334.00; $1,572,060.00(Carter Building), 501-509 Main Street, Parcel 2-029J-10-335.00; and $1,472,010.00 (American Building), 207 East Front Street & Short Street, Parcel 2-029J-10-348.00.

Summary

Downtown Central Business District Tax Exemption

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: Mayor and City Council

FROM: Kermas Eaton, Division Manager/Deputy City Clerk

DATE: August 26, 2014

RE: **Tax Exemption for Hub City Lofts, LLC**

Attached is an application from Hub City Lofts, LLC, for a tax exemption as authorized by Section 17-21-5 MS Code of 1972. The project is located at the following addresses, and further identified by the parcel numbers assigned to each property on the Forrest County tax roll:

110 East Front Street	Parcel 2-029J-10-333.00	Carter Building
116 East Front Street	Parcel 2-029J-10-334.00	
501 – 509 Main Street	Parcel 2-029J-10-335.00	
207 East Front Street &	Parcel 2-029J-10-346.00	America Building
Short Street	Parcel 2-029J-10-347.00	
	Parcel 2-029J-10-348.00	
	Parcel 2-029J-10-349.00	

The statute allows for the exemption of ad valorem taxes, excluding taxes for school district purposes, on any new renovations of and improvements to existing structures lying within a designated central business district. The exemption may be granted for a period of not more than seven (7) years. This property is located in downtown Hattiesburg.

On December 20, 2011, the City Council adopted a resolution establishing guidelines for exemptions on properties within the designated central business district and historic preservation districts. Hub City Lofts, LLC has complied with the guidelines. The total amount expended on this project for improvements to the property was $11,069,234, as evidenced by the attached documentation. The total hard and soft cost for the project was $9,449,532.

The value of the buildings for the Carter Building project prior to the renovations was $107,590 for parcel 2-029J-10-334.00 and $324,840 for parcel 2-029J-10-335.00. The value of the **buildings** after the renovations, as confirmed by the Forrest County Tax Assessor's office is

$677,600 for parcel 2-029J-10-334.00 and $1,896,900 for parcel 2-029J-10-335.00. Parcel 2-029J-10-333.00 is valued as land and paving only.

The value of the America Building project prior to the renovations was $427,630 for parcel 2-029J-10-348.00 and $34,480 for parcel 2-029J-10-347.00. The value of the **buildings** after the renovations, as confirmed by the Forrest County Tax Assessor's office is $1,899,640 for parcel 2-029J-10-348.00. Parcel 2-029J-10-347.00, parcel 2-029J-10-349.00 and parcel 2-029J-10-349.00 are valued as land and/or paving only.

According to the established guidelines, the expenditure for improvements exceeds two million five hundred thousand dollars ($ 2,500,000) for this project and the exemption should be allowed on the total increase in value of the improvements. Therefore, the requested exemption for the Carter Building project should be $570,010 for parcel 2-029J-10-334.01 and $1,572,060 for parcel 2-029J-10-335.01. The requested exemption for the America Building project should be $1,472,010 for parcel 2-029J-10-348.01. (The exempt values only are identified on the tax roll with a different parcel number.) The amount of the exemptions is also in compliance with an attorney general's opinion that states that the exemption should not exceed the increase in value as a result of the improvements.

If further information is needed, please advise.

CITY OF HATTIESBURG
APPLICATION FOR TAX EXEMPTION

PROPERTY OWNER:_____ Hub City Lofts LLC
MAILING ADDRESS:_____ 11 Parkway Boulevard
CITY/ST/ZIP:_____ Hattiesburg MS 39401
PHONE:_____ 601-336-5050 FAX:_____ 601-336-5509
EMAIL ADDRESS:_____ rtatum@crpropertiesllc.com

1. Type of Tax Exemption requested: ☐Downtown Central Business District ☒Historic Preservation District

2. Address of Property: _____ 112 East Front Street; 110 East Front Street; 501-509 Main Street (Carter Building); 207 East Front St (America Building); Short Street; 116 East Front Street

3. Tax Identification Number (PPIN, Parcel Number): _____ **See List on Attached Sheet

4. Date of completion of project as determined by the Certificate of Completion, Final Inspection or Certificate of Occupancy, as issued by the Land Development Code Administrator (Attach copy of documentation): _____ See list attached

5. Appraised value (True Value) of property prior to renovations/replacement, per the County Tax Assessor:
Land: _____ Buildings: _____ Total:_____
***See List on Attached Sheet

6. Appraised value of property after improvements, per County Tax Assessor: *The value of the property must increase by at least ten percent (10%).* Land: _____ Buildings:_____ Total: See attached

7. Description of project: _____ The project included the renovation of the Faulkner Building, Ross Building and the associated single story building next to the Faulkner Building which has two existing store fronts. The buildings I _____ include 29 lofts in the Ross Building with 904 net square feet of commercial leaseable space and 39 lofts in the Faulkner Bldg _____ and associated single story building with 2,045 net square feet of commercial leaseable space.

8. Amount expended on project (Attach proof of expenditures – Verification by lending institution, statement from CPA, actual invoices): _____ See attached "Schedule of Development Costs"

9. Attach pictures of property before and after of project, if available. See photos attached.

Property Owner Signature: _____ Date of Request: 4/8/14

This area to be completed by the City Tax Collector.

Date of Assessment:_____
This will be the first calendar year for which the exemption will apply.

Amount approved for exemption:_____
This amount should be the amount actually expended on the project not to exceed the total amount of the increase in value or fifty percent (50%) of the new value of the improvements as determined by the County Tax assessor, whichever is less.

Date Approved:_____ Date Denied:_____
If denied, indicate the reason for denial.

_____
_____
_____

HUB CITY LOFTS, LLC
HUB CITY LOFTS REDEVELOPMENT PROJECT

SCHEDULE OF DEVELOPMENT COSTS
AND
QUALIFIED REHABILITATION EXPENDITURES
From March 30, 2010 (Date of Inception) through October 31, 2013

AND

INDEPENDENT AUDITOR'S REPORT

RANDALL W. FISHER CPA, P.C.
314 W. BRIDGE ST.
PO BOX 489
HOTCHKISS, CO 81419
(970) 872-3664
FAX (970) 872-3667

INDEPENDENT AUDITOR'S REPORT

To the Members of
Hub City Lofts, LLC, Hub City Master Tenant, LLC,
CCG Sub-CDE 24, LLC and Trustmark National Bank

We have audited the accompanying Schedule of Development Costs and Qualified Rehabilitation Expenditures (the "Schedule") of the Hub City Lofts Redevelopment Project (the "Project") from March 30, 2010 (date of inception) through October 31, 2013. Our responsibility is to express an opinion on the Schedule based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the Schedule is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the Schedule. An audit also includes assessing the accounting principles used and significant estimates made by the Project's management, as well as evaluating the overall presentation of the Schedule. We believe our audit provides a reasonable basis for our opinion.

The accompanying Schedule has been prepared for the purpose of complying with, and on the basis of, requirements specified by the Internal Revenue Service and in conformity with the basis of accounting and reporting practices prescribed by the Standard Form of Agreement between the Developer of the project and Hub City Lofts, LLC, which is a comprehensive basis of accounting, and is not intended to be a presentation in conformity with accounting principles generally accepted in the United States of America. These requirements specify that eligible basis includes only those costs determined in accordance with the historic tax credit provisions of Section 47 of the Internal Revenue Code of 1986, as amended.

In our opinion, the Schedule presents fairly, in all material respects, the total development costs and qualified rehabilitation expenditures of the Project through October 31, 2013, in conformity with the basis of accounting described above.

This report is intended solely for the information and use of recipients named above and their respective affiliates and is not intended to be and should not be used by anyone else other than those specified parties.

Sincerely,

Randall W. Fisher, CPA
January 9, 2014

HUB CITY LOFTS LLC
SCHEDULE OF QUALIFIED REHABILITATION EXPENDITURES
AS OF OCTOBER 31, 2013

COST DESCRIPTION	TOTAL EXPENDITURES	QUALIFIED REHABILITATION EXPENDITURES	NON-QUALIFIED EXPENDITURES
ACQUISITION COSTS			
PURCHASE PRICE	$ 2,300,000	$ -	$ 2,300,000
OWNER TITLE INSURANCE	6,600	0	6,600
CITY TAXES INCLUDED IN PURCHASE	1,936	0	1,936
ACQUISITION LEGAL & FEES	1,607	0	1,607
TOTAL ACQUISITION COSTS	2,310,143	0	2,310,143
HARD COSTS			
GENERAL OVERHEAD	38,485	38,485	0
PERMITS/TAX/INSURANCE	478,987	478,987	0
FEES	375,350	375,350	0
STRUCTURAL & EXTERIOR	1,664,157	1,655,763	8,394
WINDOWS & DOORS	481,982	445,497	36,485
WALL COVERINGS	948,943	948,943	0
MEP & FIRE	2,017,453	2,017,453	0
OTHER FINISHES & MISC,	1,040,566	863,948	176,618
TOTAL HARD COSTS	7,045,923	6,824,426	221,497
SOFT COSTS			
ARCHITECT FEES	324,688	324,688	0
DEVELOPER FEES	1,625,145	1,625,145	0
CITYSCAPE CAPITAL HTC CONSULTING FEE	200,000	200,000	0
ABATEMENT CONTRACTORS	46,886	46,886	0
APPRAISAL/SURVEY/INSPECTION FEES	36,025	36,025	0
CONSULTING FEES	16,250	16,250	0
PROPERTY TAXES	9,332	9,332	0
BRIDGE LOAN POINTS	7,000	7,000	0
BRIDGE LOAN INTEREST	25,110	25,110	0
ADVERTISING & MARKETING	22,106	0	22,106
BRAND DEVELOPMENT	15,000	0	15,000
INSURANCE	9,164	9,164	0
PARKING	4,395	4,395	0
UTILITIES	1,749	1,749	0
ACCOUNTING & PROJECTIONS	35,000	35,000	0
MISCELLANEOUS	25,759	10,293	15,466
TOTAL SOFT COSTS	2,403,609	2,351,037	52,572
FINANCING & LEGAL			
LENDER'S TITLE	33,494	1,199	32,295
LENDER FEE - WHITNEY STATE NMTC FEE	73,800	2,641	71,159
LENDER FEE - CCG STATE NMTC FEE	73,800	2,641	71,159
LENDER FEE - WHITNEY ALLOCATEE FEE	300,000	10,736	289,264
LENDER LEGAL - SQUIRE SANDERS	180,277	6,452	173,825
LENDER LEGAL- WATKINS & EAGER	22,791	816	21,975
LENDER LEGAL- BUCHALTER NEMER	75,000	2,684	72,316
LENDER LEGAL- NIXON PEABODY	96,000	3,436	92,564
BORROWER'S LEGAL - BUTLER SNOW	36,725	1,314	35,411
LEGAL ORGANIZATION - BUTLER SNOW	175,000	0	175,000
LEGAL DEVELOPMENT - BUTLER SNOW	150,291	150,291	0
OTHER EXPENSES	3,541	137	3,404
CCG QLICI LOAN A INTEREST	108,081	106,478	1,603
CCG QLICI LOAN B INTEREST	58,034	57,173	861
WHITNEY QLICI LOAN A INTEREST	99,252	97,780	1,472
WHITNEY QLICI LOAN B INTEREST	99,576	98,098	1,478
MASTER TENANT LOAN INTEREST	34,040	33,535	505
TOTAL FINANCING & LEGAL	1,619,702	575,411	1,044,291
TOTAL PROJECT	$ 13,379,377	$ 9,750,874	$ 3,628,503

Qualified Rehabilitation Expenditures	$	9,750,874
Federal Historic Tax Credit Rate		20%
Federal Historic Tax Credit	$	1,950,175
Qualified Rehabilitation Expenditures	$	9,750,874
State Historic Tax Credit Rate		25%
State Historic Tax Credit	$	2,437,719

See accompanying independent auditor's report and notes to schedule of development costs and qualified rehabilitation expenditures.

HUB CITY LOFTS, LLC, LLC
HUB CITY LOFTS REDEVELOPMENT PROJECT
NOTES TO SCHEDULE OF DEVELOPMENT COSTS AND QUALIFIED REHABILITATION EXPENDITURES
MARCH 30, 2010 (DATE OF INCEPTION) THROUGH OCTOBER 31, 2013

NOTE A – ORGANIZATION

Hub City Lofts, LLC (the Company) was organized on October 18, 2010, to rehabilitate the historic buildings located in Hattiesburg, Mississippi (the "Project") comprised of (i) the building located at 207 E. Front Street; (ii) the building located at 501-509 Main Street; (iii) the building located at 110 E. Front Street; and (iv) the building located at 112 E. Front Street (collectively, the "Buildings"). All Buildings, other than the 207 Building, received temporary certificates of occupancy on August 1, 2013, which date was considered as the placed-in-service date for such buildings.

The 207 Building initially received a Certificate of Final Inspection on June 17, 2013 and a residential tenant first occupied on the Building on July 1, 2013. However, in the early morning hours of July 5, 2013, a vandalism and casualty event (the "Casualty") occurred at the 207 Building causing damage to the 207 Building that rendered the entire building uninhabitable; the tenant moved out. As a result of the Casualty, the Company received insurance settlement proceeds in the amount of $572,620.23 ("Repair Proceeds") to repair the damages to the 207 Building. The damages were calculated at $582,620.23 and a $10,000 deductible was reduced from the insurance settlement. Repairs were made to the 207 Building with the use of the Repair Proceeds and the first post-Casualty tenant moved in and began occupancy on August 15, 2013.

Treatment of Repair Proceeds – The accompanying schedule of development costs and qualified rehabilitation expenditures does not account for or include the amount of the Repair Proceeds, as such insurance proceeds used to repair damages to improvements made with qualified rehabilitation expenditures are not eligible expenses.

NOTE B – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting – The accompanying schedule of development costs and qualified rehabilitation expenditures has been prepared on the accrual basis of accounting in accordance with the historic tax credit provisions of Section 47 of the Internal Revenue Code of 1986, as amended, and the regulations there under.

Qualified Rehabilitation Expenditures – The determination of qualified rehabilitation expenditures is based on the historic tax credit provisions of Section 47 of the Internal Revenue Code and the regulations there under.

Use of Estimates – The preparation of the Project's schedule of costs and qualified rehabilitation expenditures in accordance with the historic tax credit provisions of Section 47 of the Internal Revenue Code requires the Project's management to make estimates and assumptions that could affect the amounts reported in the schedule. Actual results could differ from those estimates.

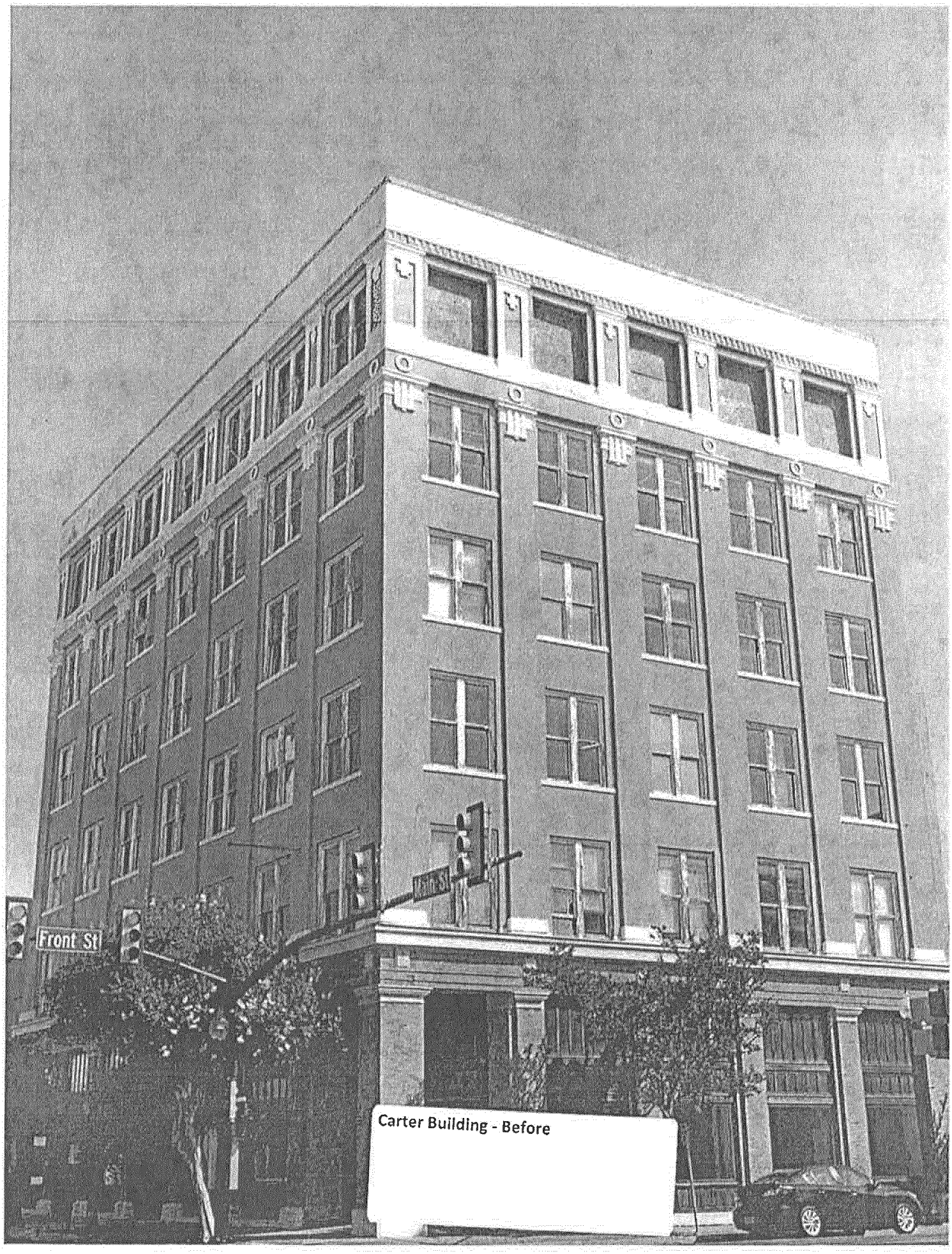
NOTE C – SUBSTANTIAL REHABILITATION TEST

The substantial rehabilitation test is met when the total qualified expenditures incurred during a twenty-four month period, ending within the taxable year in which the Certified Historic Structure is placed in service, exceeds the greater of $5,000 or the structure's adjusted basis at the beginning of the twenty-four month period. See the substantial rehabilitation test below.

Adjusted basis at beginning of the twenty-four month	$ 2,243,191
Qualified expenditures during the twenty-four month	9,750,874
Amount expenditures exceeded adjusted basis	$ 7,507,683

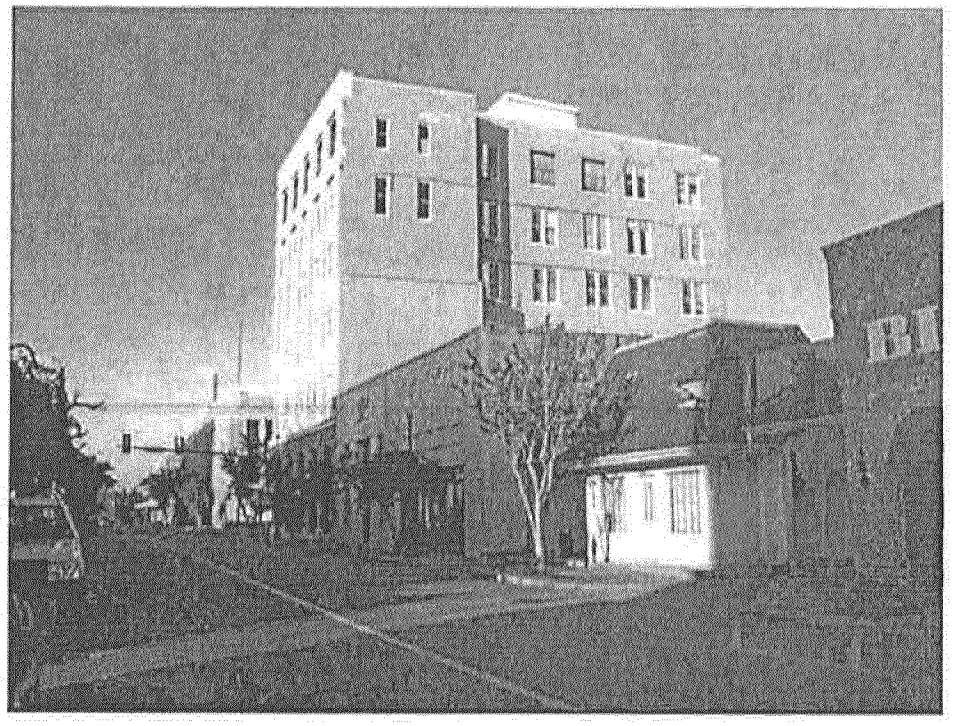
Qualified expenditures totaled $9,750,874 for the period from November 1, 2011 through October 31, 2013, which represents greater than the adjusted basis at the beginning of the twenty-four month period. The Project has met the substantial rehabilitation test.

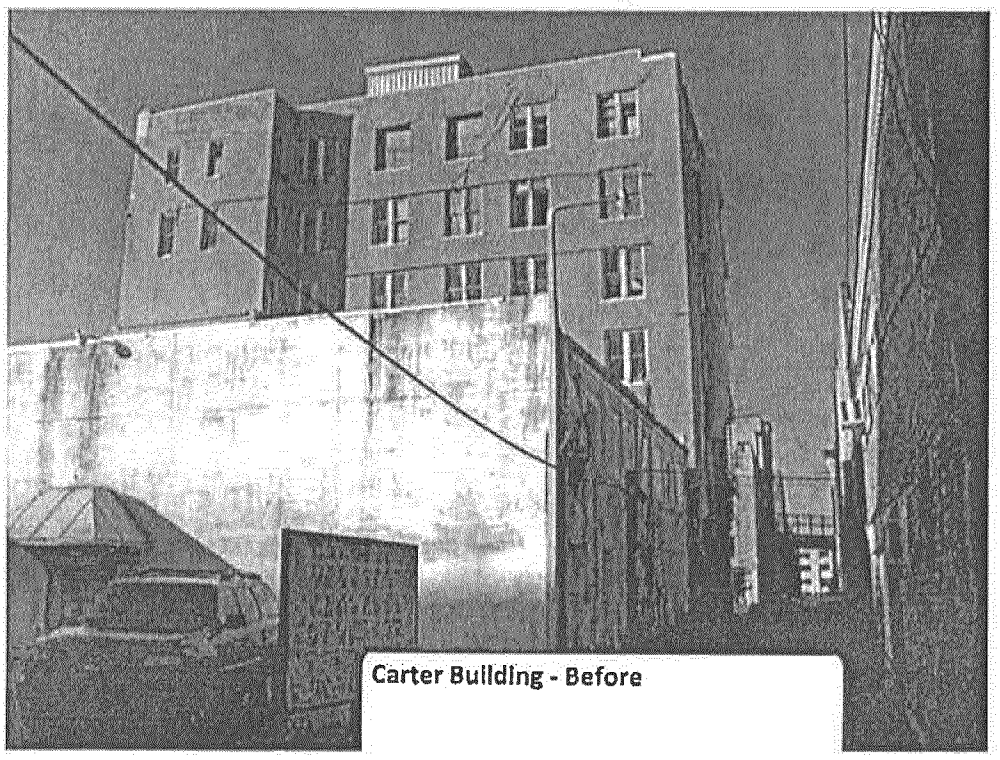
#9 Attach pictures of property before and after



Carter Building - Before

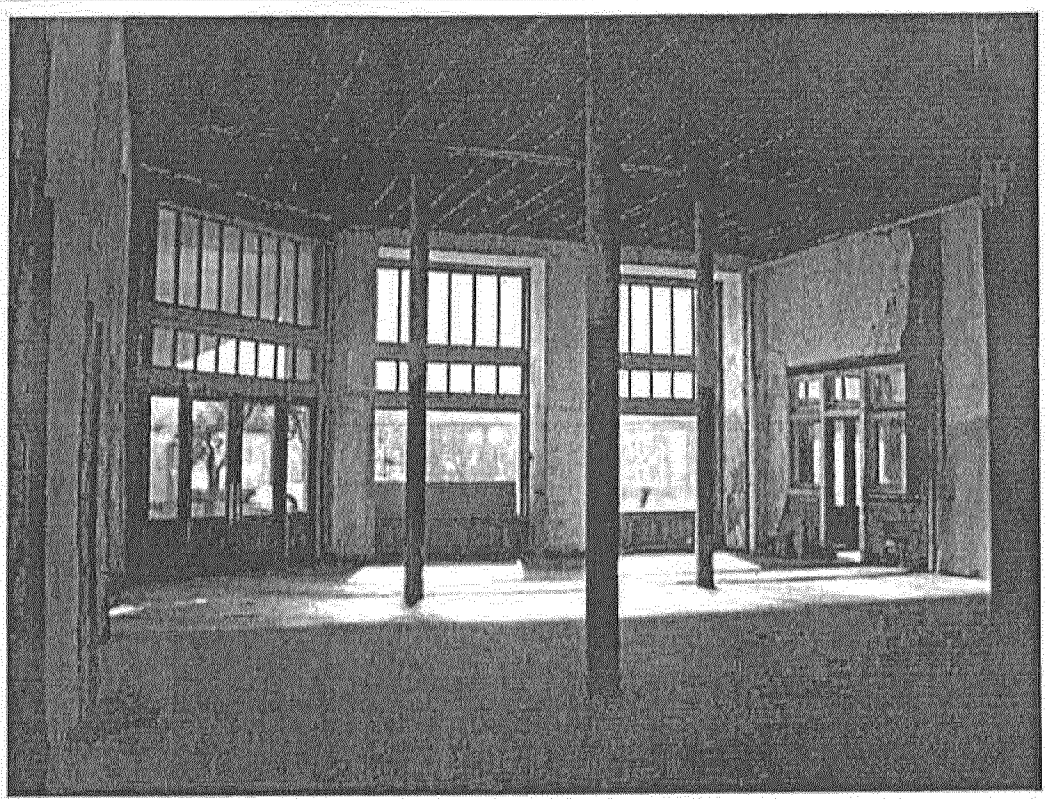
#4 / Northeast corner / 9.29.2010: Contextual photo shows the basic, non-ornamental north elevation. The party wall that is seen here as a line along the north face of the short leg of the tower is all that remains of the upper levels of a c. 1905 movie house. (The first level is still intact and now existing as two distinct façades.)



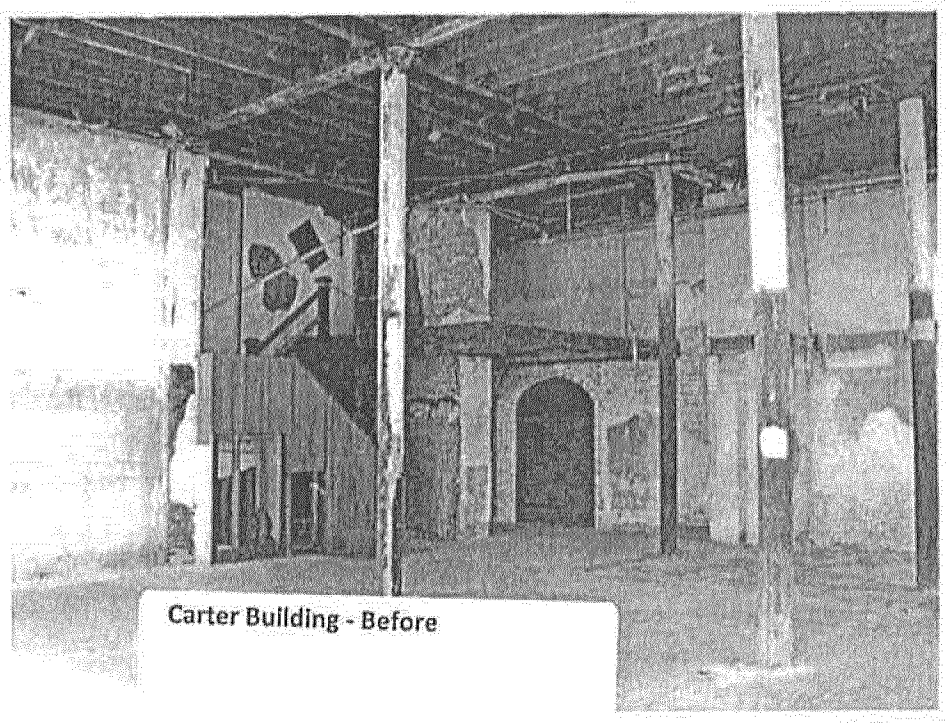


Carter Building - Before

#5 / North elevation from alley / 9.29.2010: Contextual photo shows the basic, non-ornamental north elevation. While most of the original windows remain, they are in poor to failing condition. Cracks at the upper right-hand side of some of the windows indicate some structural problems possibly involving the steel lintels.

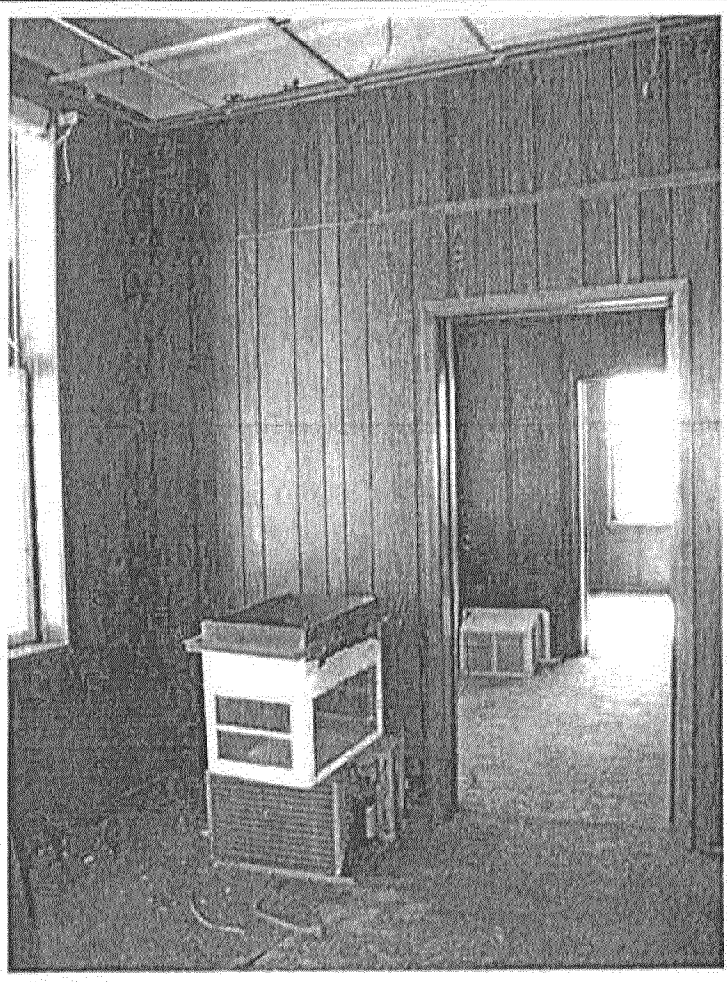


#10 / Interior of east commercial space / 9.30.2010: Interior photo of the large commercial space. The space is publically accessed through the prominent corner entry or less prominent lobby entry. The large storefront windows and transoms are deeply recessed into the masonry piers creating a dramatic and highly-revered space. Very few of the original finishes exist: the ceiling has been completely removed exposing the heart-pine floor joists of the second level; the floor appears to have been capped with a combination of a cementitious leveler and plywood sheets; the 8" diameter steel pipe columns, exposed and void of ornamentation are topped by a simple cast-iron post-to-beam structural bracket. The existing plaster appears to be in fair condition and about 70% intact.

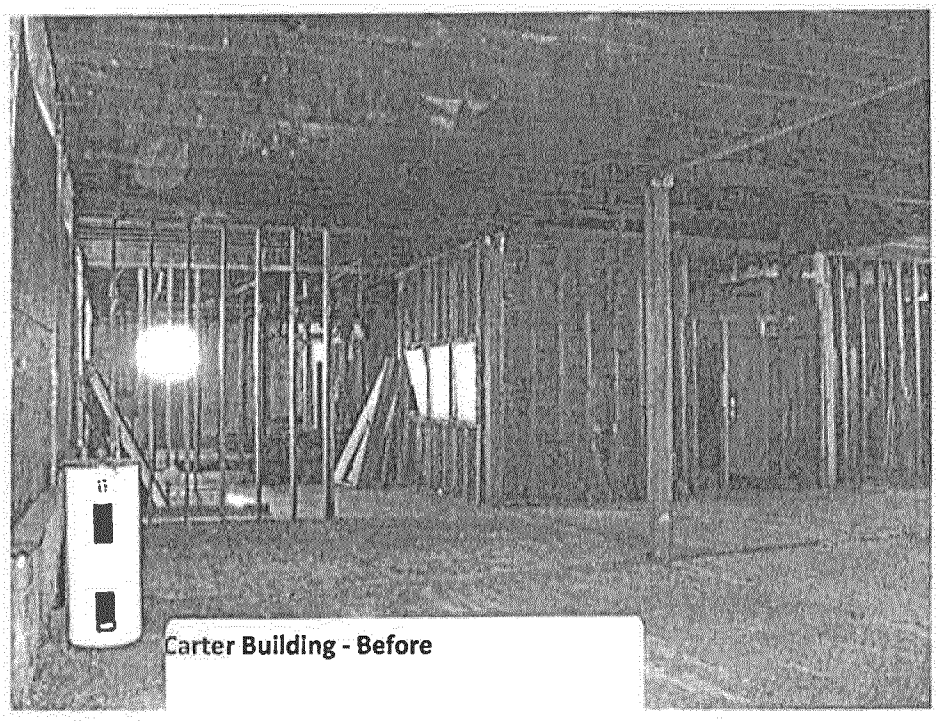


Carter Building - Before

#11 / Northwest corner of east commercial space / 9.29.2010: Interior photo shows a suspended platform that was added at some point (date unknown). A wide flat-arch opening has been added connecting the Faulkner Building to an adjacent building.



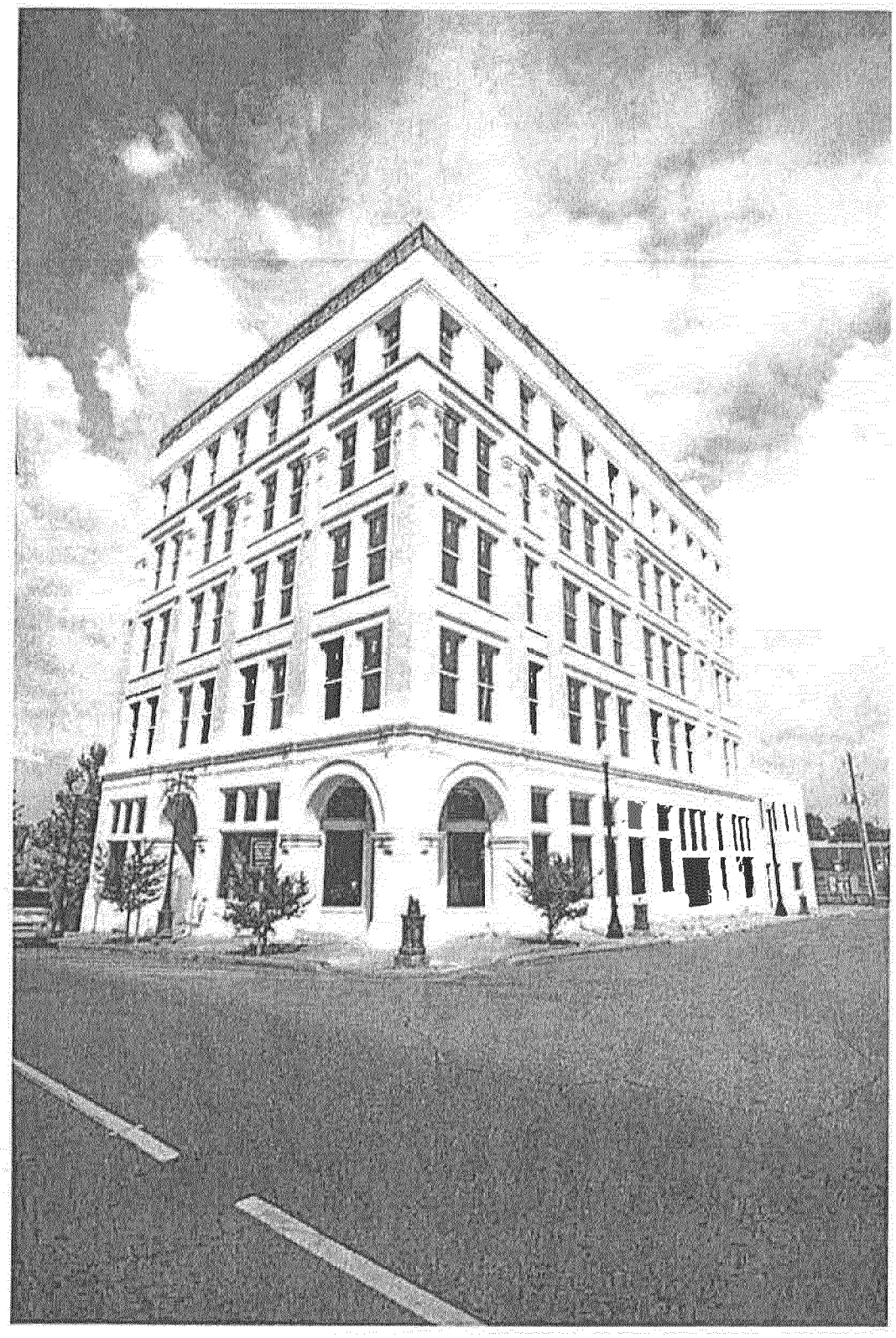
#30 / Typical existing office interior / 9.30.2010: Most of the offices have been finished with faux wood paneling, acoustical lay-in ceiling, and carpet or vinyl tile.

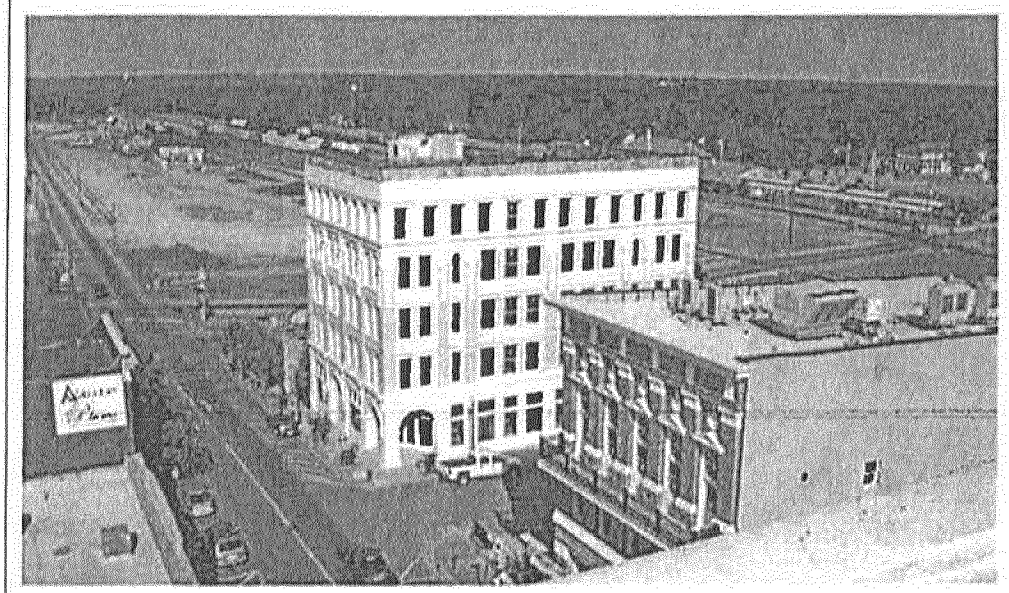


#31 / 6th level / 9.30.2010: The 6th level has been recently gutted so that it is now completely open and stripped down to the bare materials. Most of the interior walls and windows have also been removed. There is a significant bird problem where birds enter the window openings and get trapped inside.

Carter Building - Before

Carter Building – After

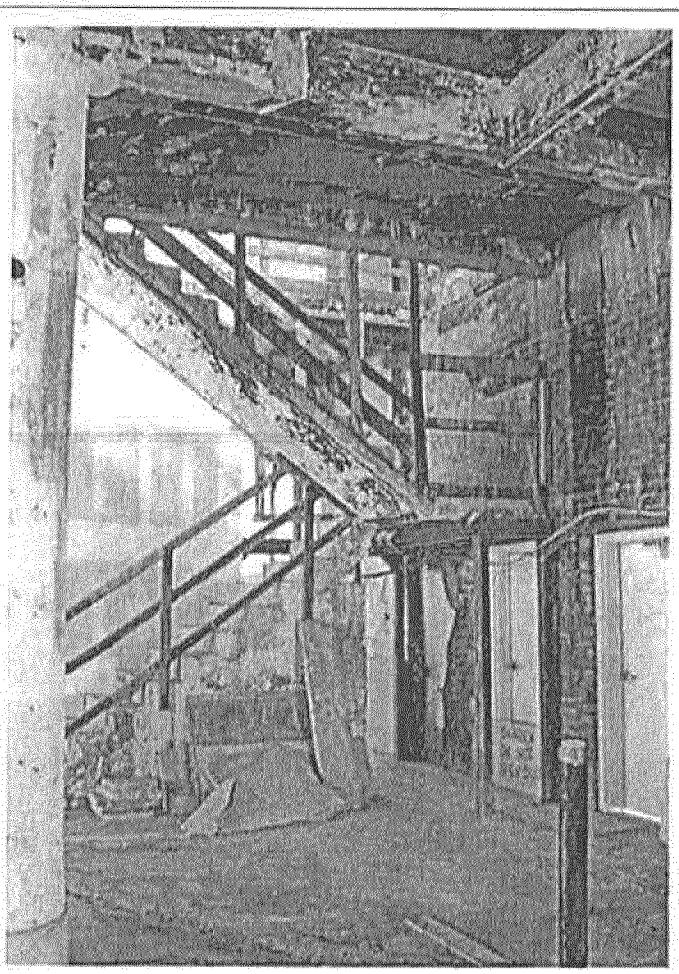




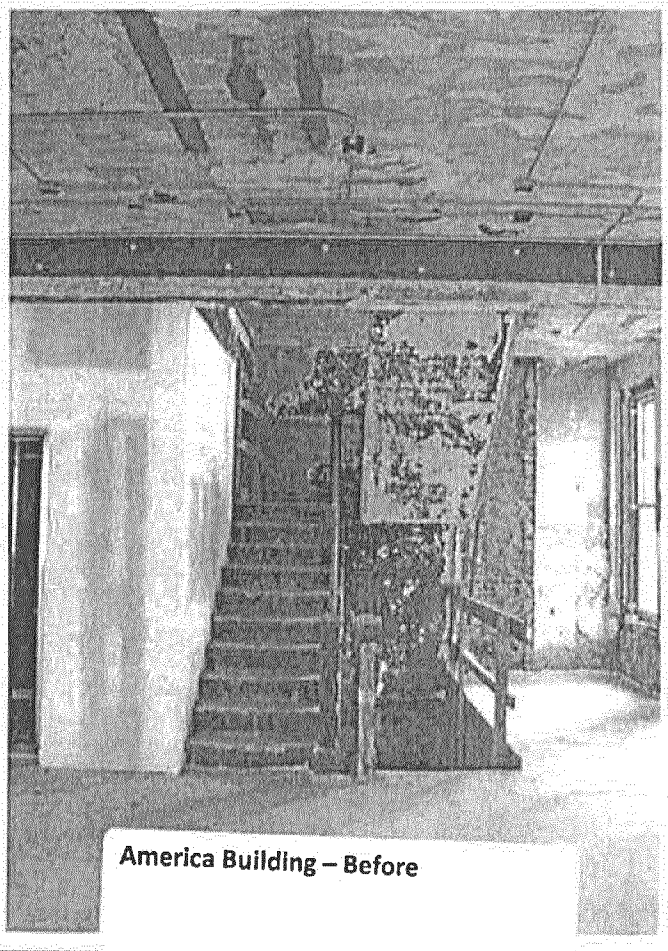
#1 / Southwest view from Faulkner Building / 9.23.2010: Aerial view of Ross Building from the six-story Faulkner Building located a block to the south.



#2 / Southwest corner / 5.19.2010: Contextual photo shows the positioning of the building at the corner of Front and Short Streets. The corner of the building is accented at ground level by archways that lead into a recessed entry area. A second entrance leading in a small lobby is marked by a third arch along Front Stre **America Building – Before**

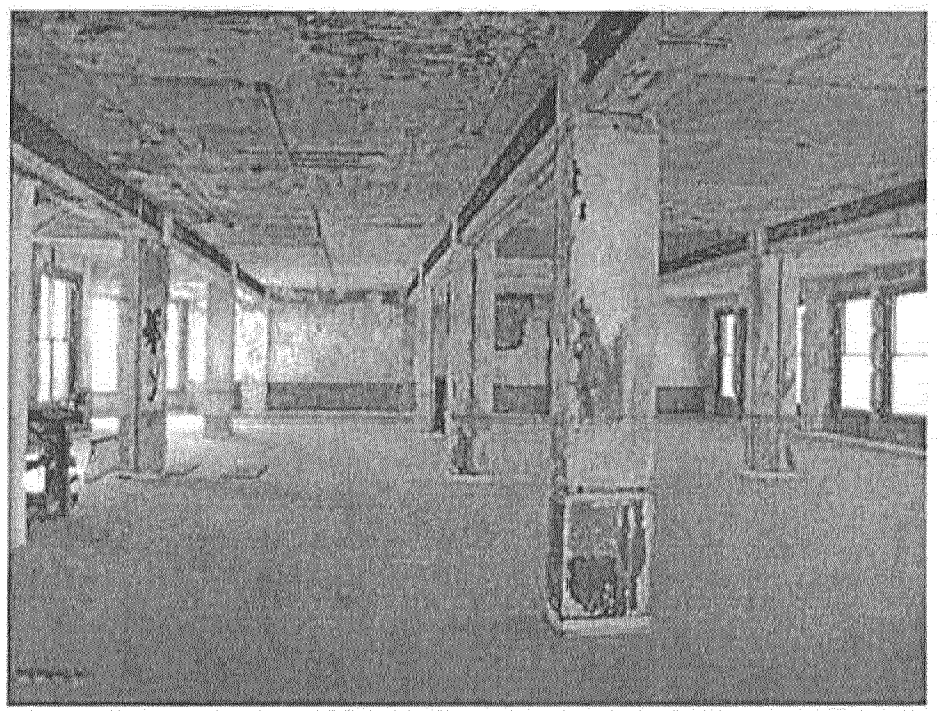


#7 / First level view toward interior stair / 5.3.2010: The original poured-in-place concrete stair remains, although the railing on the first level has been removed. A new elevator shaft is just beyond the stair.

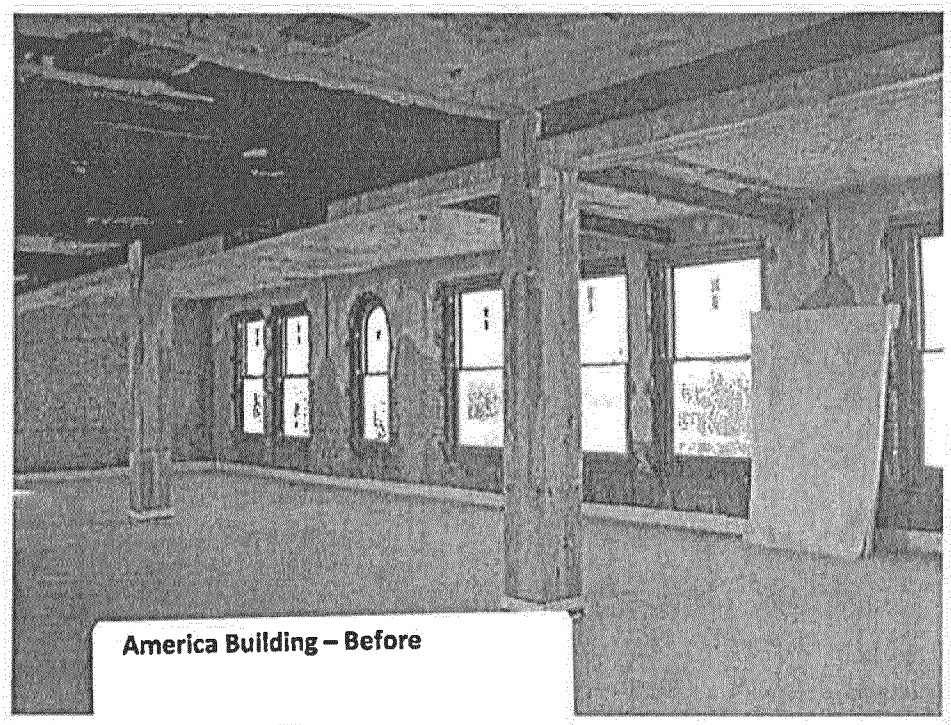


America Building – Before

#8 / Second level / Stair and elevator shaft / 5.3.2010: The stair appears to be in fair condition. The elevator shaft has been recently reconstructed and the concrete beams have been recently reinforced with structural steel bolted to the sides. A good deal of new conduit has been installed and runs on the exposed concrete ceilings. The floor has been recently capped with a cementitious self-leveler on the four upper levels.



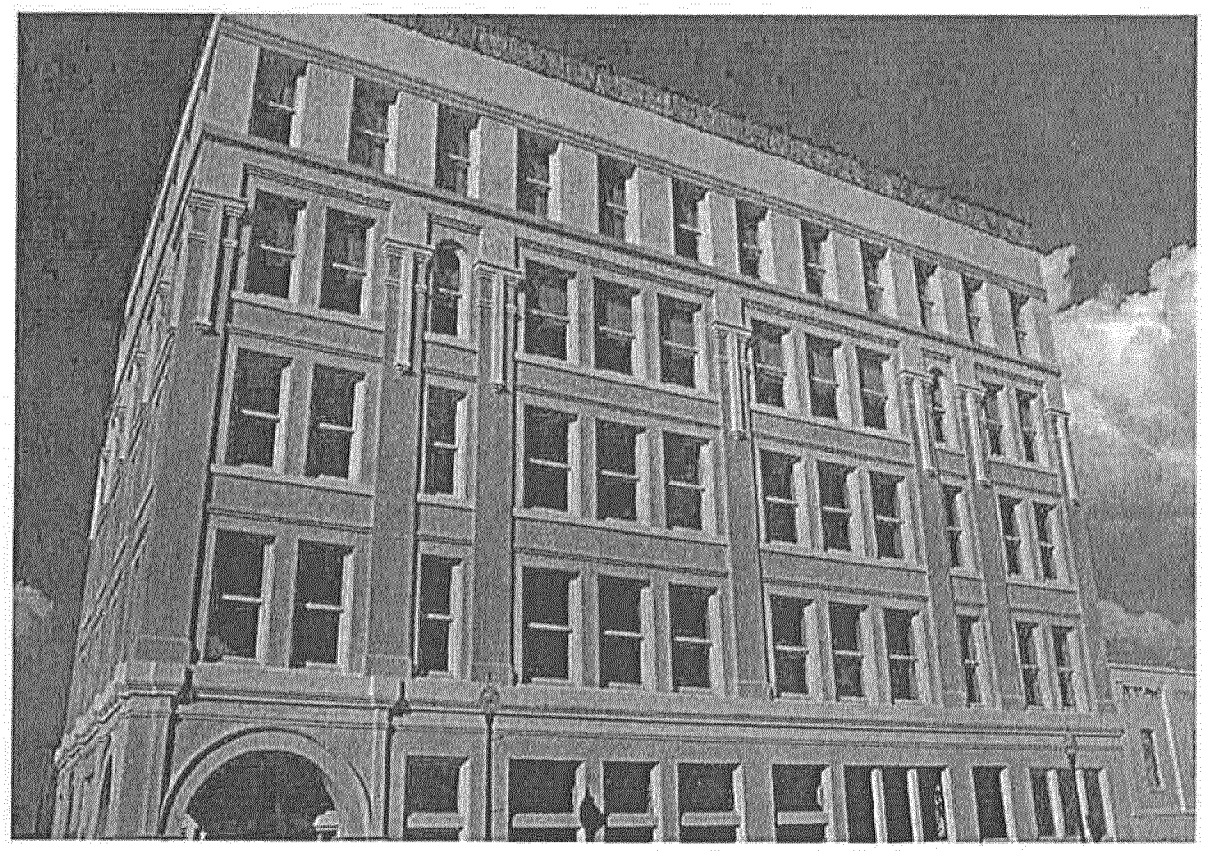
#9 / View of typical upper level / 5.3.2010: All interior partitions have been removed. Most of the interior finishes have been stripped including the wood window casings, baseboard, chair rail, and some of the plaster.

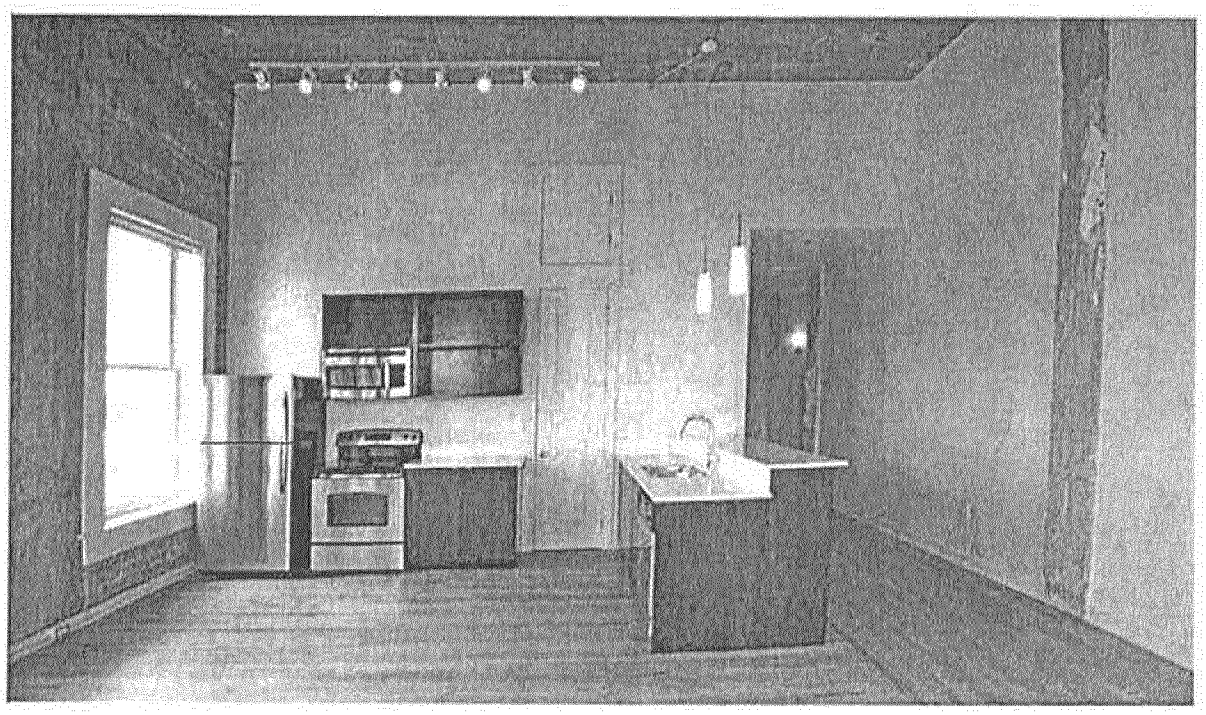


America Building – Before

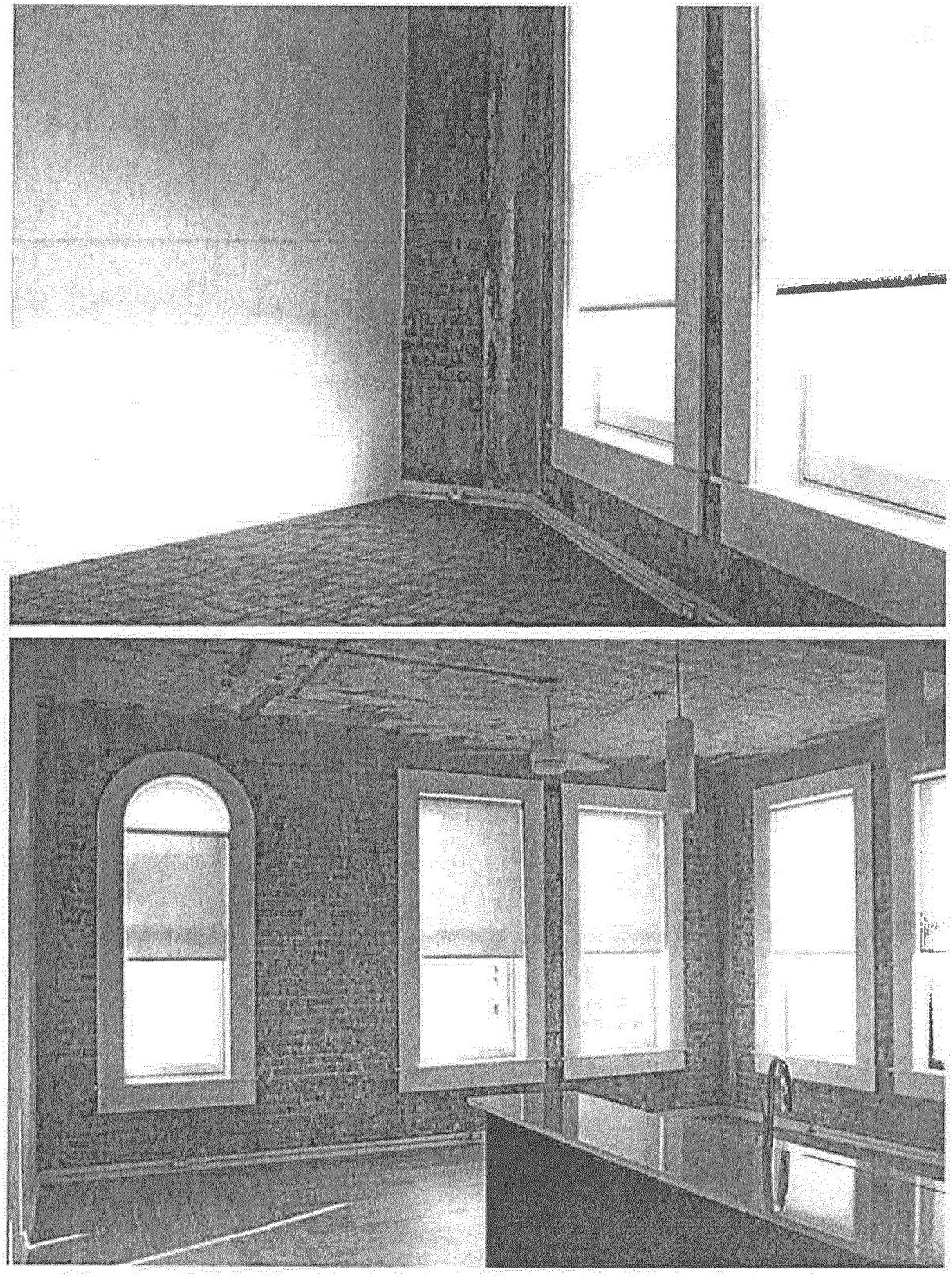
#10 / View of fourth level / 5.3.2010: All interior partitions have been removed. Most of the interior finishes have been stripped including the wood window casings, baseboard, chair rail, and some of the plaster.

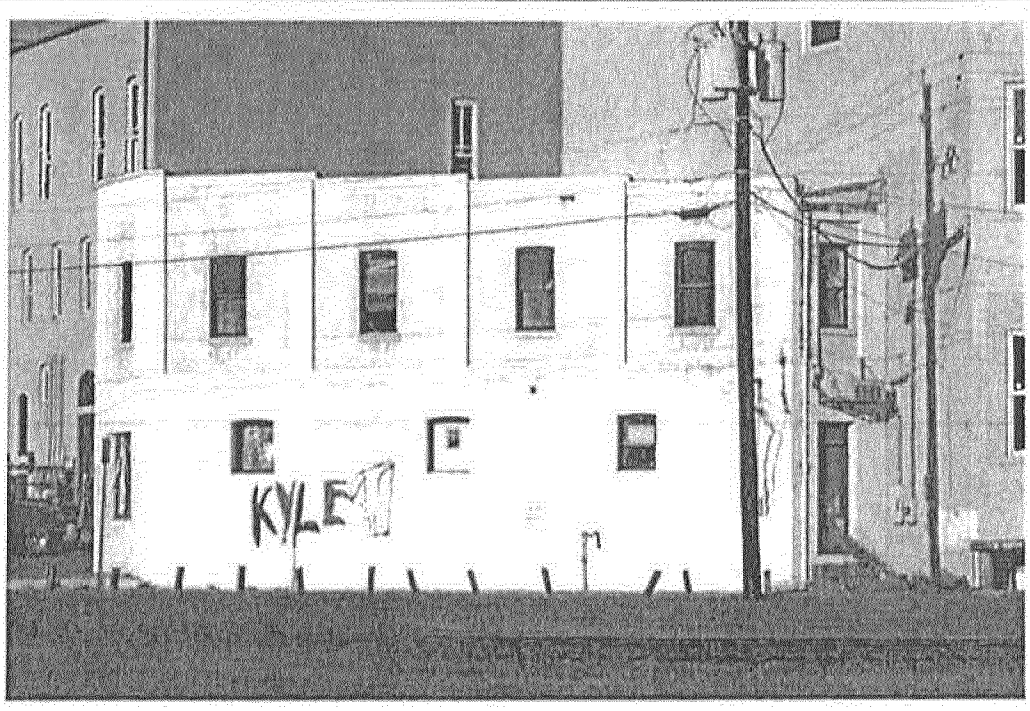
America Building - After



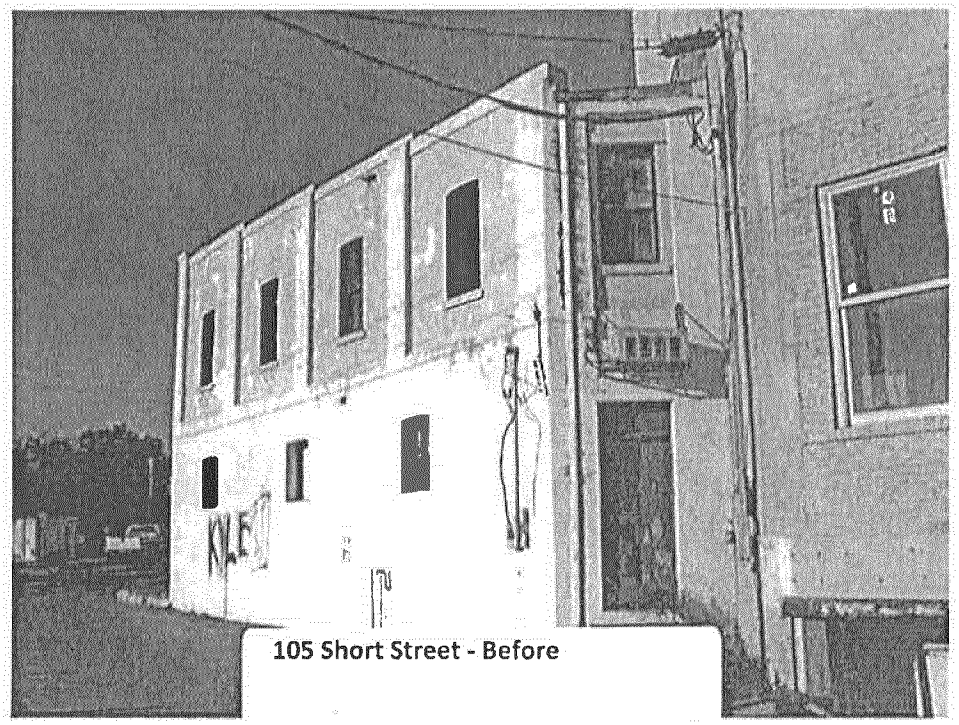


America Building – After



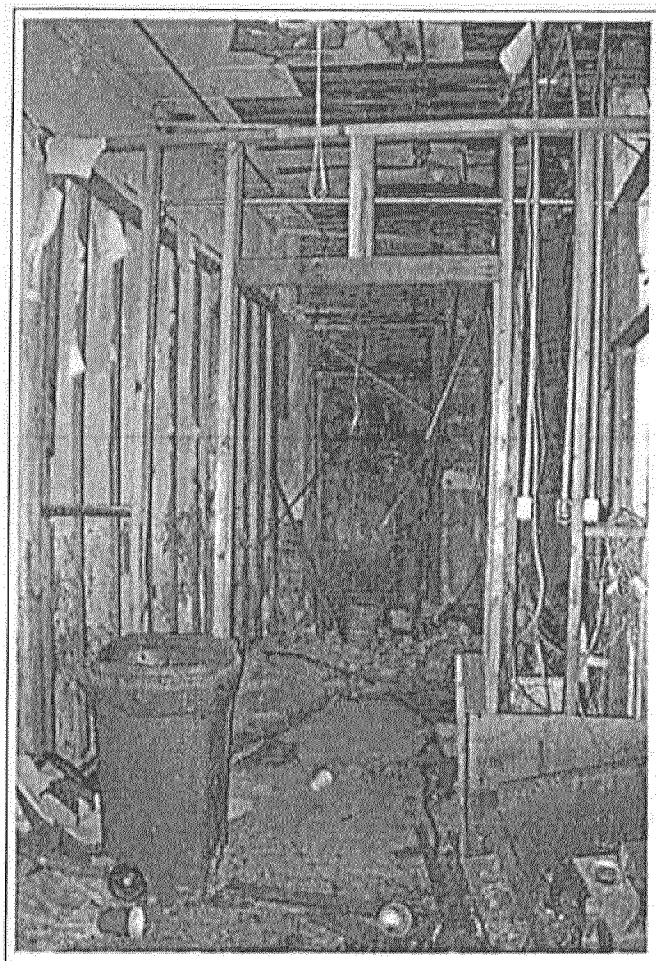


#3/ Northeast & north elevations / 9.29.2010: There is a back access door leading into the main space on the bottom level. The railroad tracks are located in the foreground of the photograph.

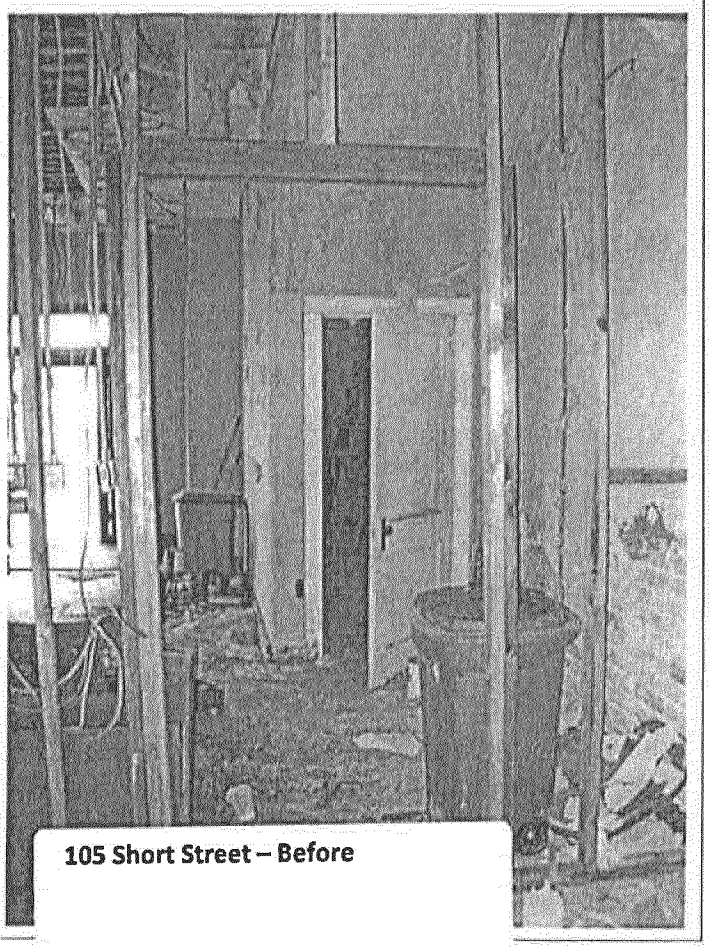


105 Short Street - Before

#4/ North elevation / 9.29.2010: This is a photograph of the back access door. The adjacent Ross Building was partially restored in 2004.

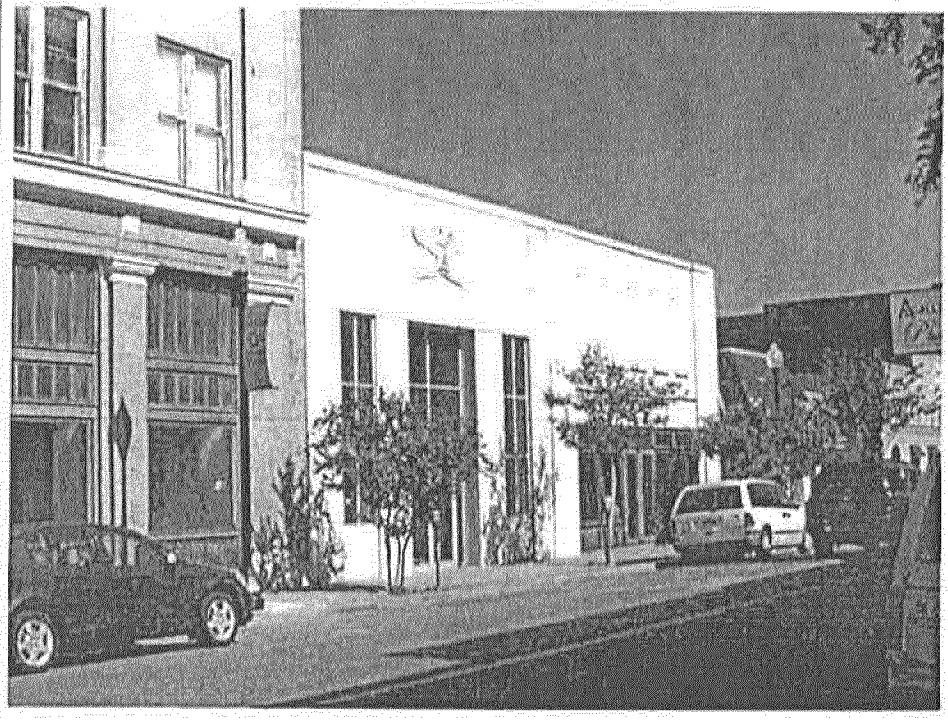


#7/ Interior space looking north / 9.29.2010: This photograph is of the back access door leading to the drive north of the building. Most of the ceiling is missing or has fallen in and the floor joists are rotted. Most of the interior plaster has been stripped.



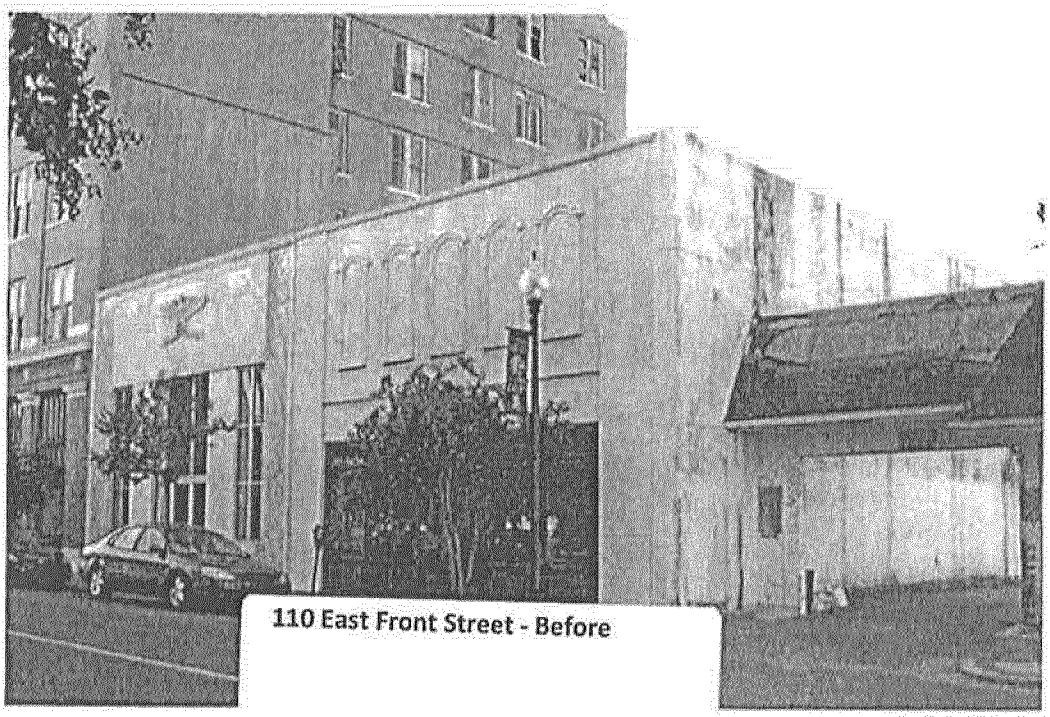
105 Short Street – Before

#8/ Interior space looking south / 9.29.2010: This photograph is looking back toward the entry door and a storage closet located under the stair leading up to the second level. The dates of the wood stud interior partitions are unknown.

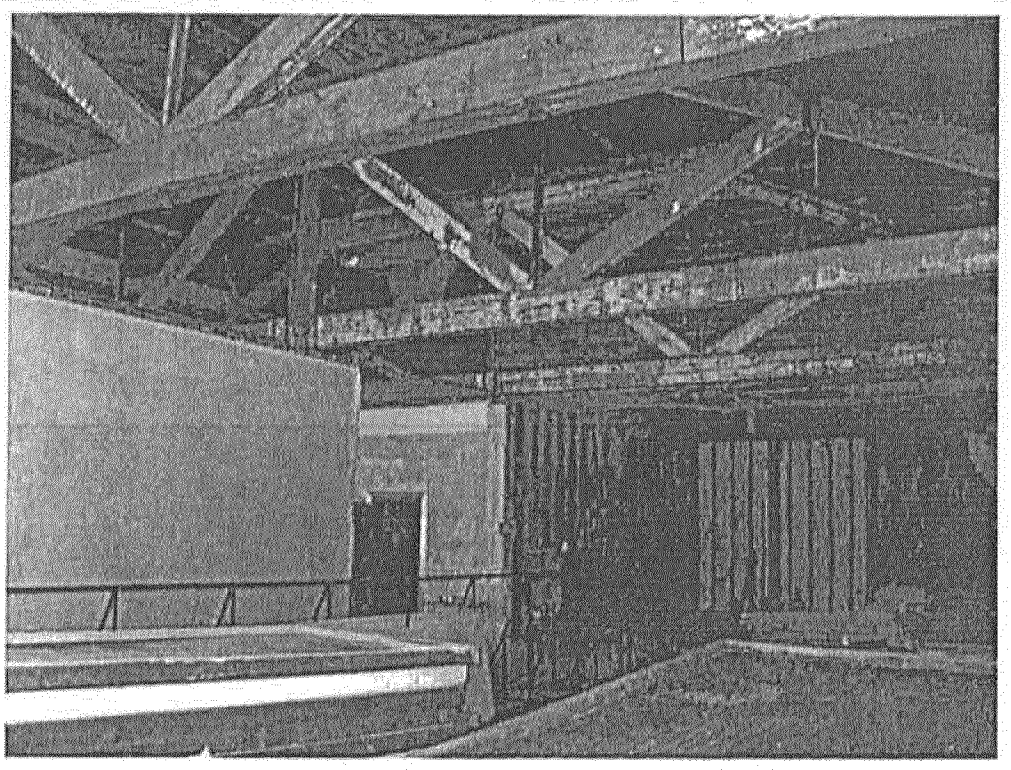


#3 / East facade / 9.28.2010: Contextual photo shows the positioning of the building along Front Street. The building is accessed at ground level by two storefront entrances. This one-story brick row building was constructed in ca. 1952. The façade on the left was reportedly constructed in 1952 and consists of pink and white faux marble panels that include a set of tall fluted pilasters. One central double-leaf entry is set into a tall metal storefront system and is flanked by tall metal storefront windows. A stately eagle appliqué above the center entry is a remnant of the first tenant which appears to have been a bank.

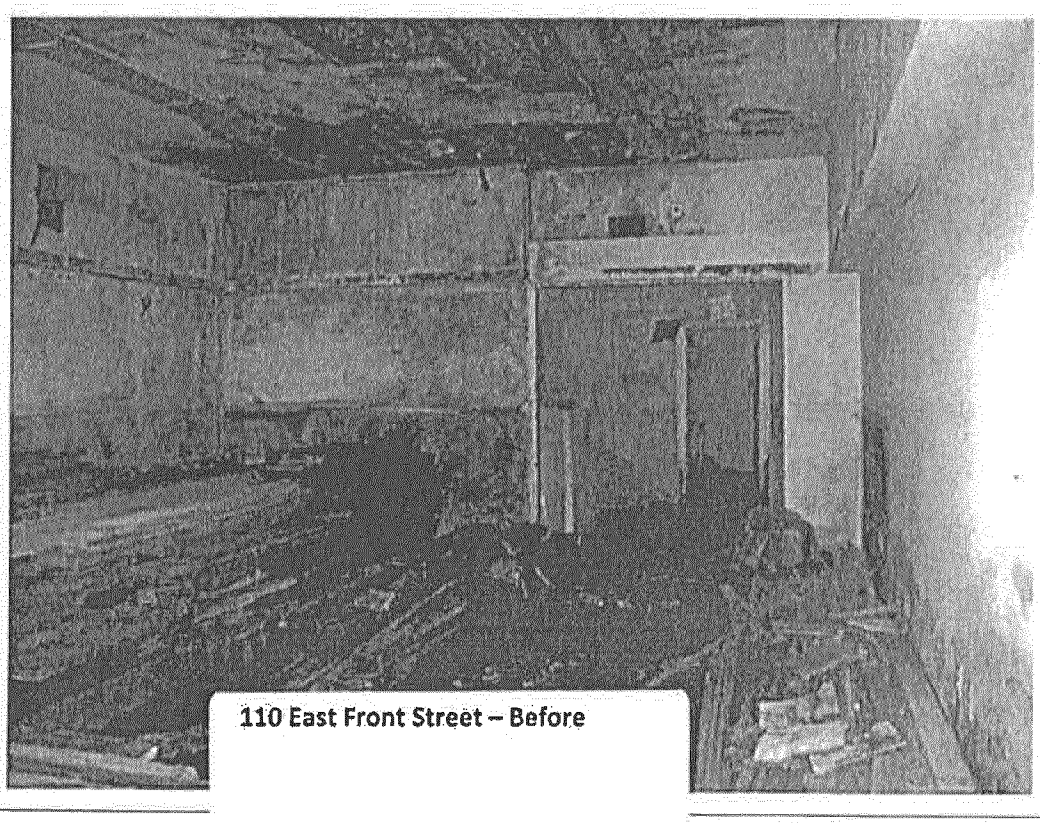
#4 / East facade / 9.30.2010: The façade on the right has been recently renovated and consists of a simple, traditional, wood storefront design with a central double-leaf entry and short transom across the top. Above the wood storefront is a series of arched window-shaped impressions. Everything except the wood storefront is finished in stucco.



110 East Front Street - Before



#13/ Interior space from northeast corner/ 9.30.2010: The large space is open from the finished floor to the top of the trusses. There is a section in the background that has a mezzanine level (dates of added mezzanine unknown).



#14/ Interior west space/ 9.30.2010: The condition of the rear space is very poor as a result of sever water intrusion. The walls have molded sheetrock and floor carpeting.

110 East Front Street – Before

Hub City Lofts -Schedule of Qualified Rehabilitation Expenditures - As of 10/31/2013

Cost Description	Total Expenditures - Carter / 110 & 112 East Front	Total Expenditures - America Building	Total Expenditures
Acquisition Costs			
Purchase Price	$ 1,443,710	$ 856,290	$ 2,300,000
Owner Title Insurance	$ 4,143	$ 2,457	$ 6,600
City Taxes Included in Purchase	$ 1,215	$ 721	$ 1,936
Acquisition Legal & Fees	$ 1,009	$ 598	$ 1,607
Total Acquisition Costs	$ 1,450,077	$ 860,066	$ 2,310,143
Hard Costs			
General Overhead	$ 24,157	$ 14,328	$ 38,485
Permits/Tax/Insurance	$ 300,660	$ 178,327	$ 478,987
Fees	$ 235,607	$ 139,743	$ 375,350
Structural & Exterior	$ 1,044,591	$ 619,566	$ 1,664,157
Windows & Doors	$ 302,540	$ 179,442	$ 481,982
Wall Coverings	$ 595,652	$ 353,291	$ 948,943
MEP & Fire	$ 1,266,355	$ 751,098	$ 2,017,453
Other Finishes & Misc	$ 653,163	$ 387,403	$ 1,040,566
Total Hard Costs	$ 4,422,726	$ 2,623,197	$ 7,045,923
Soft Costs			
Architect Fees	$ 203,807	$ 120,881	$ 324,688
Developer Fees	$ 1,020,104	$ 605,041	$ 1,625,145
Cityscape Capital HTC Consulting Fee	$ 125,540	$ 74,460	$ 200,000
Abatement Contractors	$ 29,430	$ 17,456	$ 46,886
Appraisal/Survey/Inspection Fees	$ 22,613	$ 13,412	$ 36,025
Consulting Fees	$ 10,200	$ 6,050	$ 16,250
Property Taxes	$ 5,858	$ 3,474	$ 9,332
Bridge Loan Points	$ 4,394	$ 2,606	$ 7,000
Bridge Loan Interest	$ 15,762	$ 9,348	$ 25,110
Advertising & Marketing	$ 13,876	$ 8,230	$ 22,106
Brand Development	$ 9,416	$ 5,585	$ 15,000
Insurance	$ 5,752	$ 3,412	$ 9,164
Parking	$ 2,759	$ 1,636	$ 4,395
Utilities	$ 1,098	$ 651	$ 1,749
Accounting & Projections	$ 21,970	$ 13,031	$ 35,000
Miscellaneous	$ 16,169	$ 9,590	$ 25,759
Total Soft Costs	$ 1,508,745	$ 894,864	$ 2,403,609
Financing & Legal			
Lender's Title	$ 21,024	$ 12,470	$ 33,494
Lender Fee - Whitney State NMTC Fee	$ 46,324	$ 27,476	$ 73,800
Lender Fee - CCG State NMTC Fee	$ 46,324	$ 27,476	$ 73,800
Lender Fee - Whitney Allocatee Fee	$ 188,310	$ 111,690	$ 300,000
Lender Legal - Squire Sanders	$ 113,160	$ 67,117	$ 180,277
Lender Legal - Watkins & Eager	$ 14,306	$ 8,485	$ 22,791
Lender Legal - Buchalter Nemer	$ 47,078	$ 27,923	$ 75,000
Lender Legal - Nixon Peabody	$ 60,259	$ 35,741	$ 96,000
Borrower's Legal - Butler Snow	$ 23,052	$ 13,673	$ 36,725
Legal Organization - Butler Snow	$ 109,848	$ 65,153	$ 175,000
Legal Development - Butler Snow	$ 94,338	$ 55,953	$ 150,291
Other Expenses	$ 2,223	$ 1,318	$ 3,541
CCG QLICI Loan A Interest	$ 67,842	$ 40,239	$ 108,081
CCG QLICI Loan B Interest	$ 36,428	$ 21,606	$ 58,034
Whitney ALICI Loan A Interest	$ 62,300	$ 36,952	$ 99,252
Whitney ALICI Loan B Interest	$ 62,504	$ 37,072	$ 99,576
Master Tenant Loan Interest	$ 21,367	$ 12,673	$ 34,040
Total Financing & Legal	$ 1,016,687	$ 603,015	$ 1,619,702
Total Project	$ 8,398,235	$ 4,981,142	$ 13,379,377

Certificate of Final Inspection

CITY OF HATTIESBURG

THIS CERTIFICATE WILL SERVE TO DOCUMENT THAT ALL BUILDING, ELECTRICAL, PLUMBING AND MECHANICAL FINAL INSPECTIONS HAVE BEEN COMPLETED BY THE BUILDING DEPARTMENT OF THE CITY OF HATTIESBURG.

A CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED DUE TO THE FACT THAT THIS IS A RENOVATION OR ALTERATION OF AN EXISTING BUILDING.

Permit No.	CBLD-7-12-931	**Owner**	HUB CITY LOFTS, LLC
Permit Type	Commercial Building	**Project Address**	207 E FRONT STREET Hattiesburg, MS 39403
		Historic District	
Contractor	THRASH DEVELOPMENT	**Zoning**	B-4
		Flood Zone	Unshaded X

William Jordan — BUILDING INSPECTOR — 6-17-13 DATE

Mark L Rice — PLUMBING INSPECTOR — 6-17-13 DATE

William Jordan — ELECTRICAL INSPECTOR — 6-17-13 DATE

William Jordan — MECHANICAL INSPECTOR — 6-17-13 DATE

FIRE MARSHAL — 06/19/13 DATE

Bill Rodgers — BUILDING OFFICIAL — 6-17-13 DATE

NOTES: This certificate is for completion of a renovation for an existing building. Some pre-existing items including some structural elements could not be verified during the inspection process.

*****POST IN A CONSPICUOUS PLACE*****

Certificate of Final Inspection

CITY OF HATTIESBURG

THIS CERTIFICATE WILL SERVE TO DOCUMENT THAT ALL BUILDING, ELECTRICAL, PLUMBING AND MECHANICAL FINAL INSPECTIONS HAVE BEEN COMPLETED BY THE BUILDING DEPARTMENT OF THE CITY OF HATTIESBURG.

A CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED DUE TO THE FACT THAT THIS IS A RENOVATION OR ALTERATION OF AN EXISTING BUILDING.

Permit No.	CBLD-4-13-2330	**Owner**	HUB CITY LOFTS,LLC
Permit Type	Commercial Building	**Project Address**	110 & 112 E FRONT STREET Hattiesburg, MS 39403
		Historic District	
Contractor	THRASH DEVELOPMENT	**Zoning**	B-4
		Flood Zone	Unshaded X

BUILDING INSPECTOR	9/3/13 DATE
PLUMBING INSPECTOR	9/3/13 DATE
ELECTRICAL INSPECTOR William Jordan	9/3/13 DATE
MECHANICAL INSPECTOR William Jordan	9/3/13 DATE
FIRE MARSHAL	090413 DATE
BUILDING OFFICIAL	9-4-13 DATE

NOTES: This certificate is for completion of2 story renovation consisting of residential and commercial work space.

*****POST IN A CONSPICUOUS PLACE*****

Certificate of Final Inspection

CITY OF HATTIESBURG

THIS CERTIFICATE WILL SERVE TO DOCUMENT THAT ALL BUILDING, ELECTRICAL, PLUMBING AND MECHANICAL FINAL INSPECTIONS HAVE BEEN COMPLETED BY THE BUILDING DEPARTMENT OF THE CITY OF HATTIESBURG.

A CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED DUE TO THE FACT THAT THIS IS A RENOVATION OR ALTERATION OF AN EXISTING BUILDING.

Permit No. CBLD-7-12-947

Permit Type Commercial Building

Contractor THRASH DEVELOPMENT

Owner HUB CITY LOFTS, LLC

Project Address 501 MAIN STREET Hattiesburg, MS 39401

Historic District

Zoning B-4

Flood Zone Unshaded X

Mark L. [illegible] — BUILDING INSPECTOR — 9/3/13 DATE

Mark L. [illegible] — PLUMBING INSPECTOR — 9/3/13 DATE

William Jordan — ELECTRICAL INSPECTOR — 9/3/13 DATE

William Jordan — MECHANICAL INSPECTOR — 9/3/13 DATE

[illegible] — FIRE MARSHAL — 090413 DATE

Bill [illegible] — BUILDING OFFICIAL — 9-4-13 DATE

NOTES: This certificate is for completion of floors 2-6 and their means of egress. Separate certificates will be required for buildouts of commercial suites on first floor.

*****POST IN A CONSPICUOUS PLACE*****

Hub City Lofts Appraisals

PPIN	PARCEL NUMBER	OLD	NEW	
21892	2-029J-10-348.00	$445,180	$1,917,190	
21895	2-029J-10-347.00	$39,110	$4,630	** This previously had patio part of building assessed on it now with main building.
21893	2-029J-10-349.00	$5,960	$5,960	
21896	2-029J-10-346.00	$13,620	$13,620	
TOTALS		$503,870	$1,941,400	
		The Carter Bldg		
PPIN	PARCEL NUMBER	OLD	NEW	
14613	2-029J-10-335.00	$357,520	$1,929,580	
14614	2-029J-10-334.00	$126,120	$696,130	
14615	2-029J-10-333.00	$21,250	$21,250	
TOTALS		$504,890	$2,646,960	

Forrest County Mississippi



Delta Computer Systems, Inc.

Property Appraisal Link

FORREST COUNTY, MS

Current Date **8/28/2014** Tax Year **2014**

APPRAISAL INQUIRY

PARCEL 2-029J-10-334.00 **ALT PARCEL NUMBER** 236 -0144-161-002.00
PPIN 014614 **SKETCH** 1 VIEW 01
OWNER NAME HUB CITY LOFTS LLC
OWNER ADDRESS 16 BELLEGRASS BLVD
HATTIESBURG MS39402 471
PROPERTY ADDRESS 110 E FRONT STREET
PROPERTY IS VACANT (Y/N) N
FIELD WORK BY CH **DATE:** //1982
CLASSED BY CH **DATE:** //1982
REVIEWED BY BT/ **DATE:** 3/24/2014
REALTOR CODE

LEGAL DESCRIPTION

1 LTS 3 & 4 BLK 161
2 PREV #:H0144-11-002
3 629/396 2/15/89

Block 161 **Section** 04 **Township** 04N **Range** 13W
Book 1121 **Page** 600 **Type** WD **Date** 2/ 8/2012
Book 0888 **Page** 729 **Type** WD **Date** 6/24/2002

LOT INFORMATION

LOT CODE 0144 **LOT SIZE** 63.0 X 90 **LOT VALUE** 18530

CODE	FRONT FT	DEPTH	PRICE	DEPTH TABLE	DEPTH %	ADJ. %	DESCRIPTION	ADJ PRICE	APPRAISED	CLASS
OVER	63.00	90	322.56	2	.96	1.00		309.66	18530	1

ACRE INFORMATION

ACRES	TYPE	QUAL CLASS	PRICE CODE	UNCULTIVATED CODE	PRICE	ADJ. %	DESCRIPTION	APPRAISED	MARKET

*** NO ACREAGE INFO ***

ACREAGE VALUE **OVERALL VALUE** 18530
LAND USE CODE CLASS 1 5900 OTHER RETAIL TRADE
LAND USE CODE CLASS 2 5900 OTHER RETAIL TRADE

BUILDING DESCRIPTIONS

NUMBER	CODE	BUILDING DESCRIPTION	VALUE	ELIGIBLE CLASS 1
001	004	MULTI-FAMILY	107590	N

TOTAL PARCEL VALUE 126120

View Tax Record

Back

Forrest County Mississippi

Delta Computer Systems, Inc.

Property Appraisal Link

FORREST COUNTY, MS

Current Date **8/28/2014** Tax Year **2014**

APPRAISAL INQUIRY

PARCEL 2-029J-10-348.00 **ALT PARCEL NUMBER** 237 -0636-178-008.00
PPIN 021892 **SKETCH** 1 VIEW 01
OWNER NAME HUB CITY LOFTS LLC
OWNER ADDRESS 16 BELLEGRASS BLVD
HATTIESBURG MS394020000
PROPERTY ADDRESS 207 E FRONT STREET
PROPERTY IS VACANT (Y/N) N
FIELD WORK BY CH **DATE:** 1/ 1/1982
CLASSED BY CH **DATE:** 1/ 1/1982
REVIEWED BY BT/ **DATE:** 3/ 7/2014
REALTOR CODE

LEGAL DESCRIPTION

1 PT LT 8 BG SW COR SE ON SHT ST
2 90 NE TO E LN SE 1/4 NW 1/4
3 10-4-13 N TO PT SE OF A PT
4 60FT NE OF BG NW TO FRONT SW
5 60FT TO BG BLK 178
6 PREV #:H0636-13-008

Block 178 **Section** 10 **Township** 04N **Range** 13W
Book 1121 **Page** 603 **Type Date** 2/17/2012
Book 850 **Page** 641 **Type Date** 10/26/2000

LOT INFORMATION

LOT CODE 0636 **LOT SIZE** **LOT VALUE** 17550

CODE	FRONT FT	DEPTH	PRICE	DEPTH TABLE	DEPTH %	ADJ. %	DESCRIPTION	ADJ PRICE	APPRAISED	CLASS
OVER	1.00		18478.08	99	1.00	1.00		18478.08	17550	1

ACRE INFORMATION

ACRES	TYPE	QUAL CLASS	PRICE CODE	UNCULTIVATED CODE	PRICE ADJ. %	DESCRIPTION	APPRAISED	MARKET

*** NO ACREAGE INFO ***

ACREAGE VALUE **OVERALL VALUE** 17550
LAND USE CODE CLASS 1 6300 BUSINESS SERVICES
LAND USE CODE CLASS 2 6300 BUSINESS SERVICES

BUILDING DESCRIPTIONS

NUMBER	CODE	BUILDING DESCRIPTION	VALUE	ELIGIBLE CLASS 1
001	004	MULTI-FAMILY	427630	N

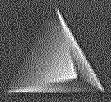
TOTAL PARCEL VALUE 445180

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Back

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Forrest County Mississippi



Delta Computer Systems, Inc.

Property Appraisal Link

FORREST COUNTY, MS

Current Date **8/28/2014** Tax Year **2014**

APPRAISAL INQUIRY

PARCEL 2-029J-10-335.00 **ALT PARCEL NUMBER** 236 -0144-161-001.00
PPIN 014613 **SKETCH** 1 VIEW 01
OWNER NAME HUB CITY LOFTS LLC
OWNER ADDRESS 16 BELLEGRASS BLVD
HATTIESBURG MS39402 267
PROPERTY ADDRESS MAIN STREET
PROPERTY IS VACANT (Y/N) N
FIELD WORK BY CH **DATE:** //1982
CLASSED BY CH **DATE:** //1982
REVIEWED BY BT/ **DATE:** 3/24/2014
REALTOR CODE

LEGAL DESCRIPTION

1 LTS 1 & 2 60X90 FT BLK 161
2 PREV #:H0144-11-001
3 B717 P338 8/94

Block 161 **Section** 04 **Township** 04N **Range** 13W
Book 1121 **Page** 600 **Type** WD **Date** 2/ 8/2012
Book 0888 **Page** 729 **Type** WD **Date** 6/24/2002

LOT INFORMATION

LOT CODE 0144 **LOT SIZE** 90.0 X 60 **LOT VALUE** 32680

CODE	FRONT FT	DEPTH	PRICE	DEPTH TABLE	DEPTH %	ADJ. %	DESCRIPTION	ADJ PRICE	APPRAISED	CLASS
OVER	90.00	60	483.84	2	.79	1.00		382.23	32680	1

ACRE INFORMATION

ACRES	TYPE	QUAL CLASS	PRICE CODE	UNCULTIVATED CODE	PRICE	ADJ. %	DESCRIPTION	APPRAISED	MARKET

*** NO ACREAGE INFO ***

ACREAGE VALUE **OVERALL VALUE** 32680
LAND USE CODE CLASS 1 5900 OTHER RETAIL TRADE
LAND USE CODE CLASS 2 5900 OTHER RETAIL TRADE

BUILDING DESCRIPTIONS

NUMBER	CODE	BUILDING DESCRIPTION	VALUE	ELIGIBLE CLASS 1
001	004	MULTI-FAMILY	324840	N

TOTAL PARCEL VALUE 357520

View Tax Record

Back

RESOLUTION OF
THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM
AD VALOREM TAXES

The City Council next took up for consideration the matter of granting a tax exemption from ad valorem taxes to Hub City Lofts, LLC, and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING TAX EXEMPTION FROM AD VALOREM TAXES, EXCEPT SCHOOL DISTRICT TAXES, FOR A PERIOD OF SEVEN YEARS TO HUB CITY LOFTS, LLC AS AUTHORIZED BY SECTION 17-21-5, MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, the Applicant has filed with the City Council its Application for exemption from ad valorem taxation, except school district taxes; and

WHEREAS, the Applicant has produced written verification and documentation to this City Council as to the authenticity and correctness of its Application in regard to the true value of the property to be the subject of the prayed for exemption and the completion date of said improvements to the property identified as follows:

110 East Front Street	Parcel 2-029J-10-333.00	Carter Building
116 East Front Street	Parcel 2-029J-10-334.00	
501 – 509 Main Street	Parcel 2-029J-10-335.00	
207 East Front Street & Short Street	Parcel 2-029J-10-346.00	America Building
	Parcel 2-029J-10-347.00	
	Parcel 2-029J-10-348.00	
	Parcel 2-029J-10-349.00	

; and

WHEREAS, the City Council finds as a fact that the property described in the aforesaid Application constitutes improvements to existing structures located in the designated central business district, which were completed on the 1st day of January, 2014, and that said Applicant is entitled to the exemption sought for a period of seven (7) years, beginning on January 1, 2014.

NOW, THEREFORE, BE IT RESOLVED by the City Council of Hattiesburg, Mississippi, as follows:

Section 1. That the Application for ad valorem tax exemption on the improvements by the Applicant for a period of seven (7) years, beginning January 1, 2014, on the following property, filed by said Applicant for tax exemption be and the same is hereby approved.

116 East Front Street	Parcel 2-029J-10-334.00	Carter Building
501 – 509 Main Street	Parcel 2-029J-10-335.00	
207 East Front Street & Short Street	Parcel 2-029J-10-348.00	America Building

Section 2. That the Applicant is hereby granted exemption on the improvements, under Code Section 17-21-5 from ad valorem taxes, except School District Ad Valorem Taxes in the City of Hattiesburg, Mississippi, within the jurisdiction of the Council and its power to levy, except for School District Ad Valorem Taxes, for a period of seven (7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amounts as follows:

116 East Front Street 501 – 509 Main Street	Parcel 2-029J-10-334.00 Parcel 2-029J-10-335.00	$ 570,010 $1,572,060	Carter Building
207 East Front Street & Short Street	Parcel 2-029J-10-348.00	$1,472,010	America Building

Section 3. That the Clerk of Council be, and is hereby directed to spread a copy of this Resolution and the Application on the minutes of the City Council; and that the City Clerk shall forward one certified copy of the Application and a certified copy of the transcript of this Resolution approving said Application to the Tax Assessor/Collector of Hattiesburg, and one certified copy of the Application and a certified copy of the transcript of this Resolution approving said Application to the Tax Assessor and the Tax Collector of Forrest County certifying that the property as described in the Application shall be placed on the appropriate tax roll as "Non-taxable", except for School District Ad Valorem Taxes, for the duration of the exemption period.

Section 4. That public interest and necessity requiring same, this Resolution shall become effective immediately from and after passage.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council person_____, seconded by Council person_____, and was adopted by the following vote, to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 2nd day of September, 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

PPIN	PARCEL NO.	2013 BUILDING VALUE	NEW BUILDING VALUE (2014)	NEW PPIN	NEW PARCEL NO.	NEW PARCEL VALUE (EXEMPT VALUE)
21892	2-029J-10-348.00	427,630	1,899,640	44867	2-029J-10-348.01	1,472,010
21895	2-029J-10-347.00	34,480	0			
21893	2-029J-10-349.00	0	0			
21896	2-029J-10-346.00	0	8,420			
14613	2-029J-10-335.00	324,840	1,896,900	44868	2-029J-10-335.01	1,572,060
14614	2-029J-10-334.00	107,590	677,600	44869	2-029J-10-334.01	570,010
14615	2-029J-10-333.00	3,600	3,600			

21896 Paving only
14615 Paving only

RESOLUTION OF
THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM
AD VALOREM TAXES

The City Council next took up for consideration the matter of granting a tax exemption from ad valorem taxes to Hub City Lofts, LLC, and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING TAX EXEMPTION FROM AD VALOREM TAXES, EXCEPT SCHOOL DISTRICT TAXES, FOR A PERIOD OF SEVEN YEARS TO HUB CITY LOFTS, LLC AS AUTHORIZED BY SECTION 17-21-5, MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, the Applicant has filed with the City Council its Application for exemption from ad valorem taxation, except school district taxes; and

WHEREAS, the Applicant has produced written verification and documentation to this City Council as to the authenticity and correctness of its Application in regard to the true value of the property to be the subject of the prayed for exemption and the completion date of said improvements to the property identified as follows:

110 East Front Street	Parcel 2-029J-10-333.00	Carter Building
116 East Front Street	Parcel 2-029J-10-334.00	
501 – 509 Main Street	Parcel 2-029J-10-335.00	
207 East Front Street & Short Street	Parcel 2-029J-10-346.00	America Building
	Parcel 2-029J-10-347.00	
	Parcel 2-029J-10-348.00	
	Parcel 2-029J-10-349.00	

; and

WHEREAS, the City Council finds as a fact that the property described in the aforesaid Application constitutes improvements to existing structures located in the designated central business district, which were completed on the 1st day of January, 2014, and that said Applicant is entitled to the exemption sought for a period of seven (7) years, beginning on January 1, 2014.

NOW, THEREFORE, BE IT RESOLVED by the City Council of Hattiesburg, Mississippi, as follows:

Section 1. That the Application for ad valorem tax exemption on the improvements by the Applicant for a period of seven (7) years, beginning January 1, 2014, on the following property, filed by said Applicant for tax exemption be and the same is hereby approved.

116 East Front Street	Parcel 2-029J-10-334.00	Carter Building
501 – 509 Main Street	Parcel 2-029J-10-335.00	
207 East Front Street & Short Street	Parcel 2-029J-10-348.00	America Building

Section 2. That the Applicant is hereby granted exemption on the improvements, under Code Section 17-21-5 from ad valorem taxes, except School District Ad Valorem Taxes in the City of Hattiesburg, Mississippi, within the jurisdiction of the Council and its power to levy, except for School District Ad Valorem Taxes, for a period of seven (7) years beginning January 1, 2014, and ending December 31, 2020, with a total true value of the exemption in the amounts as follows:

116 East Front Street 501 – 509 Main Street	Parcel 2-029J-10-334.00 Parcel 2-029J-10-335.00	$ 570,010 $1,572,060	Carter Building
207 East Front Street & Short Street	Parcel 2-029J-10-348.00	$1,472,010	America Building

Section 3. That the Clerk of Council be, and is hereby directed to spread a copy of this Resolution and the Application on the minutes of the City Council; and that the City Clerk shall forward one certified copy of the Application and a certified copy of the transcript of this Resolution approving said Application to the Tax Assessor/Collector of Hattiesburg, and one certified copy of the Application and a certified copy of the transcript of this Resolution approving said Application to the Tax Assessor and the Tax Collector of Forrest County certifying that the property as described in the Application shall be placed on the appropriate tax roll as "Non-taxable", except for School District Ad Valorem Taxes, for the duration of the exemption period.

Section 4. That public interest and necessity requiring same, this Resolution shall become effective immediately from and after passage.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council person Dryden, seconded by Council person Naylor, and was adopted by the following vote, to-wit:

YEAS: Bradley
Delgado
Dryden
Naylor

NAYS: None

ABSENT: Carroll

The President thereby declared the motion carried and the Resolution adopted, this the 2nd day of September, 2014.

(SEAL)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST:

CITY CLERK

APPROVED:

MAYOR

PPIN	PARCEL NO.	2013 BUILDING VALUE	NEW BUILDING VALUE (2014)	NEW PPIN	NEW PARCEL NO.	NEW PARCEL VALUE (EXEMPT VALUE)
21892	2-029J-10-348.00	427,630	1,899,640	44867	2-029J-10-348.01	1,472,010
21895	2-029J-10-347.00	34,480	0			
21893	2-029J-10-349.00	0	0			
21896	2-029J-10-346.00	0	8,420			
14613	2-029J-10-335.00	324,840	1,896,900	44868	2-029J-10-335.01	1,572,060
14614	2-029J-10-334.00	107,590	677,600	44869	2-029J-10-334.01	570,010
14615	2-029J-10-333.00	3,600	3,600			

21896 Paving only
14615 Paving only

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1343

File ID:	2014-1343	**Type:**	Resolution	**Status:**	Passed
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	Ad Valorem Tax Exemption			**Final Action:**	09/02/2014
				Minute Book Number:	MB2014-249

Title:

Adopt a resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Stokes Distributing Co., Inc, for a period not to exceed ten(10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $800,750.00 or the amount approved by the Mississippi Department of Revenue.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	ADP Letter Stokes-9-2-2014, Stokes Application-9-2-2014, Stokes Resolution-9-2-2014, executed Stokes Resolution-9-2-2014	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:	Kermas Eaton	**Effective Date:**	

History of Legislative File

Ver-sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Adopt				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Adopt a resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Stokes Distributing Co., Inc, for a period not to exceed ten(10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $800,750.00 or the amount approved by the Mississippi Department of Revenue.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1343

Title

Adopt a resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Stokes Distributing Co., Inc, for a period not to exceed ten(10) years, commencing on December 31, 2013 and ending December 31, 2023 with a true total value of $800,750.00 or the amount approved by the Mississippi Department of Revenue.

Summary

Ad valorem Tax Exemption

Budget Information

Expenditure Type

Purchasing Item

Publication Information

ADP
CHAMBER OF COMMERCE · ECONOMIC DEVELOPMENT
AREA DEVELOPMENT PARTNERSHIP
GREATER HATTIESBURG, MISSISSIPPI

MEMORANDUM

TO: City Council, City of Hattiesburg

DATE: July 30, 2014

FROM: Chad Newell C.N.

RE: Stokes Distributing Co., Inc.

We greatly appreciate the opportunity to review the ad valorem tax exemption application for Stokes Distributing Co., Inc. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants strong consideration by the council. As businesses maneuver through today's economy, we need to work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and those we are trying to recruit.

Stokes Distributing is applying for a 10 year ad valorem tax exemption for the expansion of their facility completed during 2013. The company's total local employment is 65 with the addition of the 3 new jobs due to the expansion. The value of the expansion totals $800,750.00. Again, we are in favor of this exemption and certainly appreciate your consideration.

APPLICATION FOR AD VALOREM TAX EXEMPTION

AS AUTHORIZED BY SECTION 27-31-101, et seq.,
MISSISSIPPI CODE OF 1972, AS AMENDED

NAME OF ENTERPRISE Stokes Distributing Co. Inc.

PHYSICAL ADDRESS 12 Stokes Dr. Hattiesburg, MS 39401

TYPE OF INDUSTRY Beer Wholesale PRODUCT/SERVICE Beer

LOCATION - COUNTY Forrest CITY Hattiesburg

DATE OF COMPLETION May 2013 YEARS REQUESTED 5

NEW (SECTION 27-31-101) ___ EXPANSION (SECTION 27-31-105) ✓

NEW JOBS 3 ESTIMATED PAYROLL $100,000.00

TRUE VALUE OF PROPERTY EXEMPTED $ 800,750.00 (Improvements)
*Attach an itemized list of property to be exempted as Exhibit "A". (Parcel #2-049E-02-023.00 PPIN 27648)

The *applicant request that the Board approve this application by an order spread on its minutes declaring that the above property be exempt from all ad valorem taxation except school taxation for the period requested. The applicant further request that the application and certified approval of exemption be forwarded to the State Tax Commission and upon approval and certification by the Commission, the Board enter a final order on its minutes granting the exemption. The above information is true and correct as certified by the applicant.*

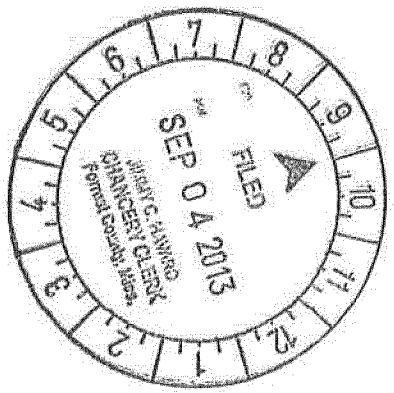
This application is submitted on the 13th *day of* August, 2013

Thomas A Stokes
Applicant (Name of Taxpayer)

By: STOKES DIST. CO.

Title: V-P

ATTEST:



JACKSON & ARRINGTON, PLLC

ATTORNEYS AT LAW
309 SOUTH 40TH AVENUE
HATTIESBURG, MISSISSIPPI 39402

ROBERT T. JACKSON, SR.
ROBERT T. JACKSON, JR.
DEREK R. ARRINGTON
D. NATHAN SMITH
G. NEIL ROGERS

MAILING ADDRESS:
P. O. BOX 15517
HATTIESBURG, MS 39404-5517

TELEPHONE: (601) 264-3309
FACSIMILE: (601) 264-6044
E-mail: rtjsr@jacksonfirm.com

June 3, 2014

Forrest County Board of Supervisors
Attn: Jane White
P.O. Box 1310
Hattiesburg, MS 39403

Re: Stokes Distributing Company, Inc.
Parcel # 2-049E-02-023.00
PPIN# 27648

Address: 12 Stokes Dr.
Hattiesburg, MS 39401

Dear Ms. White:

Concerning the above Parcel and PPIN numbers and the current exemption of Eight Hundred Thousand Seven Hundred Fifty Dollars and Zero Cents ($800,750.00), please be advised that the cost was an addition to the building occupied by Stokes Distributing Company, Inc. No machinery or equipment was purchased except for air conditioning equipment.

The building is continuously used by Stokes Distributing Company, Inc., and I, as attorney for said company, request the continued tax exemption from the Board of Supervisors of Forrest County, Mississippi.

Please let me know if you need anything further.

Sincerely yours,

JACKSON & ARRINGTON, PLLC

Robert T. Jackson, Sr.

RTJsr/mng

cc: Mr. Sparky Walker *(via U.S. Mail)*
Mr. Thomas A. Stokes *(via U.S. Mail)*
Mr. Bob Cummings, CPA *(via U.S. Mail)*

RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES

The City Council next took up for consideration the matter of the application of Stokes Distributing Co., Inc, for exemption from Ad Valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES TO STOKES DISTRIBUTING CO,. INC. AS AUTHORIZED BY SECTION 27-31-101 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, Stokes Distributing Co., Inc, on July 29, 2009, filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Stokes Distributing CO., Inc. has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personalty in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit A to the Application filed with this Council, with all additions and expansions being completed during calendar year 2013; and that Stokes Distributing CO., Inc is entitled to the exemption sought from ad valorem taxation, except for state and school district purposes, for a period of ten (10) years, subject to approval and certification by the Mississippi State Tax Commission.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Stokes Distributing Co., Inc. for a period of ten (10) years from December 31, 2013 through December 31, 2023, as allowed by Section 27-31-101, Mississippi Code of 1972 as amended, and as shown and described in Exhibit A, be and the same is hereby approved, subject to approval and certification by the Mississippi State Tax Commission.

Section 2. That Stokes Distributing CO., Inc is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit A for a period of ten (10) years, commencing on the December 31, 2013 and ending on December 31, 2023, with a total true value of $800,750.00 or the amount approved by Mississippi Tax Commission.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi State Tax Commission for its approval and certification; after receipt of certification from the Mississippi State Tax Commission a Final Order of the Council granting the exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the State Tax Commission and with the State Auditor's Office; and the Clerk shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that the personal property as set forth in Exhibit A, has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption period only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilman _____, seconded by Councilman _____, and was adopted by the following vote, to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 2nd of September, 2014.

(S E A L)

ATTEST: ADOPTED:

_____ _____

CLERK OF COUNCIL PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST: APPROVED:

_____ _____

CITY CLERK MAYOR

RESOLUTION OF THE CITY COUNCIL OF HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES

The City Council next took up for consideration the matter of the application of Stokes Distributing Co., Inc, for exemption from Ad Valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES TO STOKES DISTRIBUTING CO,. INC. AS AUTHORIZED BY SECTION 27-31-101 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.

WHEREAS, Stokes Distributing Co., Inc, on July 29, 2009, filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Stokes Distributing CO., Inc. has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personalty in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit A to the Application filed with this Council, with all additions and expansions being completed during calendar year 2013; and that Stokes Distributing CO., Inc is entitled to the exemption sought from ad valorem taxation, except for state and school district purposes, for a period of ten (10) years, subject to approval and certification by the Mississippi State Tax Commission.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Stokes Distributing Co., Inc. for a period of ten (10) years from December 31, 2013 through December 31, 2023, as allowed by Section 27-31-101, Mississippi Code of 1972 as amended, and as shown and described in Exhibit A, be and the same is hereby approved, subject to approval and certification by the Mississippi State Tax Commission.

Section 2. That Stokes Distributing CO., Inc is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit A for a period of ten (10) years, commencing on the December 31, 2013 and ending on December 31, 2023, with a total true value of $800,750.00 or the amount approved by Mississippi Tax Commission.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi State Tax Commission for its approval and certification; after receipt of certification from the Mississippi State Tax Commission a Final Order of the Council granting the exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the State Tax Commission and with the State Auditor's Office; and the Clerk shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that the personal property as set forth in Exhibit A, has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption period only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilman Dryden, seconded by Councilman Naylor, and was adopted by the following vote, to-wit:

YEAS: Bradley
Delgado
Dryden
Naylor

NAYS: None ABSENT: Carroll

The President thereby declared the motion carried and the Resolution adopted, this the 2nd of September, 2014.

(S E A L)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 2nd day of September, 2014.

ATTEST:

CITY CLERK

APPROVED:

MAYOR

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1324

File ID: 2014-1324 **Type:** Regular Agenda Item **Status:** Agenda Ready

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/19/2014

Brief Title: Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project. **Final Action:** 09/02/2014

Minute Book Number: MB2014-249-250

Title:

Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $8,375.01.

Notes:

Sponsors: **Enactment Date:**

Attachments: Request for Cash No 21, executed Request for Cash No 21 **Enactment Number:**

Contact: **Meeting Date:** 09/02/2014

Drafter: Gene Polk **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Authorize				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $8,375.01.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea: 4 Council Member Bradley
Council Member Delgado
Council Member Dryden
Council Member Naylor

ΓEL-No Vote: 0

Text of Legislative File 2014-1324

Title

Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $8,375.01.

Summary

Authorize Mayor to execute Request for Cash and Summary Support Schedule No. 21 for the USA Yeast Wastewater Treatment Project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMO

Urban Planning Consultants, Inc.
a Jimmy Gouras Company since 1988

DATE: August 15, 2014
TO: Honorable Johnny L. DuPree
City of Hattiesburg
FROM: Ann Frazier
Jimmy G. Gouras Urban Planning
RE: **City of Hattiesburg**
CDBG Project #R-103-205-03-KED
Wastewater Treatment/USA Yeast
Request for Cash and Summary Support Sheet

Enclosed please find the following invoices for the above referenced project:

1. Jimmy Gouras
   Invoice number 9760 in the amount of $8,375.01
   For Administration expense

Also enclosed is "Request for Cash and Summary Support Sheet No. 21" in the amount of $8,375.01 for payment of the above invoices.

Please have the above invoice and Request for Cash and the supporting documentation placed on your next agenda for approval. After its approval, the appropriate official should sign the "Request for Cash and Cash Summary Support Sheet No. 21" and return it along with the supporting documentation for processing to our office at the following address:

Debra Tompkins
Jimmy Gouras Urban Planning
3530 Manor Drive Suite 4
Vicksburg, MS 39180

If you have any questions, please do not hesitate to call me or Debra Tompkins at (601)638-7121.

REMINDER

From the date of deposit into your account you have only three (3) working days to distribute funds to avoid penalties from MDA.

Enclosures

Mississippi Development Authority
REQUEST FOR CASH

Section A: General Information

Applicant Name:	City of Hattiesburg
Mailing Address	P.O. Box 1898
Street Address	
City, State Zip	Hattiesburg, MS 39403-1898
Telephone No.	601-554-1014
Fax Number	
Email Address	

Bank Information

Electronic Transfer	06530027
Bank Account	4800186627
Bank Name:	Trustmark National Bank
Address	P.O. Box 1071
City, State ZIP	Hattiesburg, MS 39403-1071
Telephone No.	601-469-3663

Services Rendered: From April 1, 2014 Thru To June 30, 2014

Section B: Project Information

Grant No.	Contract No.	Request No.
R-103-06	R-103-205-03-KED	21

FOR MDA USE ONLY

Vendor No.

IDIS Voucher Number

Section C: Request Per Activity

Approval for Payment

Signature

Date

	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance	Activity Numbers
1	Administration	$ 90,000.00	$ 68,833.30	$ 8,375.01	$ 12,791.69	
2	Application Preparation	$ 10,000.00	$ 10,000.00		$ -	
3	Architect/Engineering	$ 351,000.00	$ 327,341.00		$ 23,659.00	
4	Evaporator Module Equipment	$ 4,549,000.00	$ 4,094,712.00		$ 454,288.00	
5					$ -	
6					$ -	
7					$ -	
8					$ -	
9					$ -	
10					$ -	
11					$ -	
	Total:	$ 5,000,000.00	$ 4,500,886.30	$ 8,375.01	$ 490,738.69	

I Hereby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements.

I Hereby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations.

Signature of Authorized Official

Date Signed

Debra Tompkins
Prepared By

8/15/2014
Date Prepared

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

601-638-7121
Preparer's Telephone No.

Mississippi Development Authority

Cash Summary Support Sheet

Applicant: City of Hattiesburg | Request No: 21 | Grant Number: R-103-06

Period Cost - Beginning: April 1, 2014 | Ending Date: June 30, 2014 | Contract Number: R-103-205-03-KED

1. Activity: Administration

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Administration	Jimmy Gouras	9760	$8,375.01		$8,375.01
B.						$0.00
C.						
D.						
			Subtotal:	**$8,375.01**	**$ -**	**$8,375.01**

2. Activity: Architect/Engineering

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Architect/Engineering					$0.00
B.	Architect/Engineering					$0.00
C.	Architect/Engineering					$0.00
D.						
			Subtotal:	**$ -**	**$ -**	**$ -**

3. Activity: Evaporator Module Equipment

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Evaporator Module Equipment					$0.00
B.	Evaporator Module Equipment					
C.	Evaporator Module Equipment					
D.	Evaporator Module Equipment					
			Subtotal:	**$ -**	**$ -**	**$ -**

Cash Summary Support Sheet

Applicant: City of Hattiesburg | Request No: 21 | Grant Number: R-103-06 | Contract Number: R-103-205-03-KED

4. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

5. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						$0.00
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

6. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

Cumulative Match Expended To Date:	$2,238,948.00	**GRAND TOTAL:**	**$8,375.01**	**$ - $ 8,375.01**
Cumulative Federal Expended To Date:	$4,509,261.31			

I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenditures under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.
I Hereby Certify tthat the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

Signature of Authorized Official

Mississippi Development Authority Consolidated Support Sheet

Applicant:	City of Hattiesburg	Contract Number:	R-103-205-03-KED
Request for Cash Number:	21	Total Amount Requested:	$ 8,375.01

Line Items	Amount Budgeted	Amount Requested to Date	Amount of This Request	Balance
Administration	$ 90,000.00	$ 68,833.30	$ 8,375.01	$ 12,791.69
Engineering				$
Specific Line Items as Listed in the Budget:				
Application Preparation	$ 10,000.00	$ 10,000.00		$ -
Architect/Engineering	$ 351,000.00	$ 327,341.00	$ -	$ 23,659.00
Evaporator module Equipment	$ 4,549,000.00	$ 4,094,712.00	$ -	$ 454,288.00
		$ -	$ -	$ -
		$ -	$ -	$ -
			$ -	$ -
				$ -
				$ -
				$ -
				$ -
Total Budget	$ 5,000,000.00	$ 4,500,886.30	$ 8,375.01	$ 490,738.69

Total Funds Request to Date:	$ 4,509,261.31
Amount of Other Funds Expended to Date:	$2,238,948.00
CDBG Project Balance	$ 490,738.69

Period of Projected Cash Needs - Beginning: April 1, 2014 Thru June 30, 2014

TODAY'S DATE	8/15/2014	TOTAL CONTRACT BUDGET	$ 5,000,000.00	
CONTRACT BEGIN DATE (FROM CONTRACT)	2/17/2012	TOTAL AMOUNT SPENT TO DATE	$ 4,509,261.31	
CONTRACT END DATE (FROM CONTRACT)	6/30/2015	% TOTAL CONTRACT BUDGET SPENT	90.19%	
CONTRACT EXTENSION (MONTHS) (ENTER # OF MONTHS OR "0")		% CONTRACT BUDGET REMAINING	9.81%	
FINAL CONTRACT COMPLETION DATE	6/30/2015	CONSTRUCTION BUDGET AMOUNT	$ 4,549,000.00	Enter number from Cash Request.
CONTRACT DURATION (MONTHS)	40.00	TOTAL CONSTRUCTION DOLLARS SPENT TO	$ 4,094,712.00	Enter number from Cash Request.
% OF CONTRACT PERIOD ELAPSED	74.79%	% CONSTRUCTION BUDGET SPENT	90.01%	
% OF CONTRACT PERIOD REMAINING	25.21%			

Urban Planning Consultants, Inc.
a Jimmy Gouras Company since 1988

STATEMENT FOR SERVICES RENDERED

CITY OF HATTIESBURG

KATRINA SUPPLEMENTAL COMMUNITY DEVELOPMENT BLOCK GRANT
ECONOMIC DEVELOPMENT
PROJECT NO. R-103-205-03-KED
WASTEWATER TREATMENT/USA YEAST

April 1 thru June 30, 2014

INVOICE #9760

Monthly Administrative Services Rendered Pertaining Project #R-103-205-03-KED.

Services rendered include overall coordination of project activities; Attending MDA/HUD monitoring visits, meetings, etc.; Maintaining financial records; Preparing the necessary documentation to request funds from MDA; and Providing all other services considered normal administrative services within the course of this Agreement

TOTAL DUE **$ 8,375.01**

Michele Moore (MT)
Michele Moore

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: May 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: May 30, 2014

Michele Moore
ED

Signature of Company Representative

*Must provide an answer or report will be rejected.

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: April 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: April 30, 2014

Nichola Moore
GT

Signature of Company Representative

*Must provide an answer or report will be rejected.

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: June 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: June 30, 2014

Michele Moore
ED

Signature of Company Representative

*Must provide an answer or report will be rejected.

Mississippi Development Authority
REQUEST FOR CASH

Section A: General Information

Applicant Name:	City of Hattiesburg
Mailing Address	P.O. Box 1898
Street Address	
City, State Zip	Hattiesburg, MS 39403-1898
Telephone No.	601-554-1014
Fax Number	
Email Address	

Bank Information

Electronic Transfer	06530027
Bank Account	4800186627
Bank Name:	Trustmark National Bank
Address	P.O. Box 1071
City, State ZIP	Hattiesburg, MS 39403-1071
Telephone No	601-469-3663

Services Rendered: From April 1, 2014 Thru To June 30, 2014

Section B: Project Information

Grant No.	Contract No.	Request No.
R-103-06	R-103-205-03-KED	22

FOR MDA USE ONLY

Vendor No.

IDIS Voucher Number

Section C: Request Per Activity

	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance
1	Administration	$ 90,000.00	$ 68,833.30	$ 8,375.01	$ 12,791.69
2	Application Preparation	$ 10,000.00	$ 10,000.00		$ -
3	Architect/Engineering	$ 351,000.00	$ 327,341.00		$ 23,659.00
4	Evaporator Module Equipment	$ 4,549,000.00	$ 4,094,712.00		$ 454,288.00
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -
11					$ -
	Total:	$ 5,000,000.00	$ 4,500,886.30	$ 8,375.01	$ 490,738.69

Approval for Payment

Signature

Date

Activity Numbers

I Hereby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements.

I Hereby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations.

Signature of Authorized Official

9-2-14
Date Signed

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

Debra Tompkins
Prepared By

8/15/2014
Date Prepared

601-638-7121
Preparer's Telephone No.

Mississippi Development Authority

Cash Summary Support Sheet

Applicant : City of Hattiesburg | Request No: 22 | Grant Number: R-103-06

Period Cost - Beginning April 1, 2014 | Ending Date: June 30, 2014 | Contract Number: R-103-205-03-KED

1. Activity: Administration

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Administration	Jimmy Gouras	9760	$8,375.01		$8,375.01
B.						$0.00
C.						
D.						
			Subtotal:	**$8,375.01**	**$ -**	**$8,375.01**

2. Activity: Architect/Engineering

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Architect/Engineering					$0.00
B.	Architect/Engineering					$0.00
C.	Architect/Engineering					$0.00
D.						
			Subtotal:	**$ -**	**$ -**	**$ -**

3. Activity: Evaporator Module Equipment

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Evaporator Module Equipment					$0.00
B.	Evaporator Module Equipment					
C.	Evaporator Module Equipment					
D.	Evaporator Module Equipment					
			Subtotal:	**$ -**	**$ -**	**$ -**

Cash Summary Support Sheet

Applicant : City of Hattiesburg | Request No: 22 | Grant Number: R-103-06 | Contract Number: R-103-205-03-KED

4. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	$0.00	$0.00	$0.00

5. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						$0.00
C.						
D.						
			Subtotal:	$0.00	$0.00	$0.00

6. Activity:

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	$0.00	$0.00	$0.00

Cumulative Match Expended To Date:	$2,238,948.00	**GRAND TOTAL:**	$8,375.01	$ -	$ 8,375.01
Cumulative Federal Expended To Date:	$4,509,261.31			

I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenditures under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.
I Hereby Certify tthat the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

Signature of Authorized Official

Mississippi Development Authority Consolidated Support Sheet

Applicant:	City of Hattiesburg	Contract Number:	R-103-205-03-KED
Request for Cash Number:	22	Total Amount Requested:	$ 8,375.01

Line Items	Amount Budgeted	Amount Requested to Date	Amount of This Request	Balance
Administration	$ 90,000.00	$ 68,833.30	$ 8,375.01	$ 12,791.69
Engineering				$
Specific Line Items as Listed in the Budget:				
Application Preparation	$ 10,000.00	$ 10,000.00		$ -
Architect/Engineering	$ 351,000.00	$ 327,341.00	$ -	$ 23,659.00
Evaporator module Equipment	$ 4,549,000.00	$ 4,094,712.00	$ -	$ 454,288.00
		$ -	$ -	$ -
		$ -	$ -	$ -
			$ -	$ -
				$ -
				$ -
				$ -
				$ -
Total Budget	$ 5,000,000.00	$ 4,500,886.30	$ 8,375.01	$ 490,738.69

Total Funds Request to Date:	$ 4,509,261.31
Amount of Other Funds Expended to Date:	$2,238,948.00
CDBG Project Balance	$ 490,738.69

Period of Projected Cash Needs - Beginning: April 1, 2014 Thru June 30, 2014

TODAY'S DATE	8/15/2014	TOTAL CONTRACT BUDGET	$ 5,000,000.00	
CONTRACT BEGIN DATE (FROM CONTRACT)	2/17/2012	TOTAL AMOUNT SPENT TO DATE	$ 4,509,261.31	
CONTRACT END DATE (FROM CONTRACT)	6/30/2015	% TOTAL CONTRACT BUDGET SPENT	90.19%	
CONTRACT EXTENSION (MONTHS) (ENTER # OF MONTHS OR "0")		% CONTRACT BUDGET REMAINING	9.81%	
FINAL CONTRACT COMPLETION DATE	6/30/2015	CONSTRUCTION BUDGET AMOUNT	$ 4,549,000.00	Enter number from Cash Request.
CONTRACT DURATION (MONTHS)	40.00	TOTAL CONSTRUCTION DOLLARS SPENT TO	$ 4,094,712.00	Enter number from Cash Request.
% OF CONTRACT PERIOD ELAPSED	74.79%	% CONSTRUCTION BUDGET SPENT	90.01%	
% OF CONTRACT PERIOD REMAINING	25.21%			

Urban Planning Consultants, Inc.
a Jimmy Gouras Company since 1988

STATEMENT FOR SERVICES RENDERED

CITY OF HATTIESBURG

KATRINA SUPPLEMENTAL COMMUNITY DEVELOPMENT BLOCK GRANT
ECONOMIC DEVELOPMENT
PROJECT NO. R-103-205-03-KED
WASTEWATER TREATMENT/USA YEAST

April 1 thru June 30, 2014

INVOICE #9760

Monthly Administrative Services Rendered Pertaining Project #R-103-205-03-KED.

Services rendered include overall coordination of project activities; Attending MDA/HUD monitoring visits, meetings, etc.; Maintaining financial records; Preparing the necessary documentation to request funds from MDA; and Providing all other services considered normal administrative services within the course of this Agreement

TOTAL DUE **$ 8,375.01**

Michele Moore

Michele Moore (ST)

3530 Manor Drive Suite 4 • Vicksburg, MS 39180•601-638-7121

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: May 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: May 30, 2014

Michele Moore
BY

Signature of Company Representative

*Must provide an answer or report will be rejected.

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: April 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: April 30, 2014

Michele Moore
01

Signature of Company Representative

*Must provide an answer or report will be rejected.

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: June 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
N/A					

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:. We have sufficient staff to complete the scope of work for this project, therefore no new employees were needed.

Date: June 30, 2014

Michele Moore
ET

Signature of Company Representative

*Must provide an answer or report will be rejected.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1325

File ID: 2014-1325 **Type:** Regular Agenda Item **Status:** Agenda Ready

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/19/2014

Brief Title: Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project.

Final Action: 09/02/2014

Minute Book Number: MB2014-250

Title:

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $2,791.69.

Notes:

Sponsors: **Enactment Date:**

Attachments: Request for Cash No 22, executed Request for Cash No 22

Enactment Number:

Contact: **Meeting Date:** 09/02/2014

Drafter: Gene Polk **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Authorize				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $2,791.69.

Council member Dryden asked when the [USA Yeast] evaporator will go online; she said it was supposed to be in August. Nathan Husman of Neel-Schaffer said that USA Yeast plans start up and testing to begin next week; he said testing will last a month to a month and a half, with full commissioning to begin in November. Mr. Husman said [full commissioning] involves bringing in the manufacturer and working out bugs. He said USA Yeast has been working to resolve piping conflicts that have caused a delay of several weeks but that he expects to start seeing progress any day now. Council member Dryden asked if Mr. Husman knows recent BOD levels; Mr. Husman replied in the negative and said he does not expect change until the full commissioning in November. He said USA Yeast will continue to run very high strength waste and that once the evaporator goes online, by the agreement will come in under 10,000 pounds a day BOD. Council member Dryden asked if [the city] set any deadline on when [USA Yeast] had to have [the evaporator] online; Mr. Husman replied in the affirmative and said a deadline is included in the agreement with the city and MDEQ. He said he will get the information to her.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1325

Title

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of $2,791.69.

Summary

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 22 for the USA Yeast Wastewater Treatment Project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMO

Urban Planning Consultants Inc
a Jimmy Gouras Company since 1988

DATE: August 15, 2014
TO: Honorable Johnny L. DuPree
City of Hattiesburg
FROM: Ann Frazier
Jimmy G. Gouras Urban Planning
RE: **City of Hattiesburg**
CDBG Project #R-103-205-03-KED
Wastewater Treatment/USA Yeast
Request for Cash and Summary Support Sheet

Enclosed please find the following invoices for the above referenced project:

1. Jimmy Gouras
   Invoice number 9761 in the amount of $2,791.69
   For Administration expense

Also enclosed is "Request for Cash and Summary Support Sheet No. 22" in the amount of $2,791.69 for payment of the above invoices.

Please have the above invoice and Request for Cash and the supporting documentation placed on your next agenda for approval. After its approval, the appropriate official should sign the "Request for Cash and Cash Summary Support Sheet No. 22" and return it along with the supporting documentation for processing to our office at the following address:

Debra Tompkins
Jimmy Gouras Urban Planning
3530 Manor Drive Suite 4
Vicksburg, MS 39180

If you have any questions, please do not hesitate to call me or Debra Tompkins at (601)638-7121.

REMINDER

From the date of deposit into your account you have only three (3) working days to distribute funds to avoid penalties from MDA.

Enclosures

Mississippi Development Authority
REQUEST FOR CASH

Section A: General Information		Bank Information		Section B: Project Information		
Applicant Name:	City of Hattiesburg	Electronic Transfer	06530027	Grant No.	Contract No.	Request No.
Mailing Address	P.O. Box 1898	Bank Account	4800186627	R-103-06	R-103-205-03-KED	22
Street Address		Bank Name:	Trustmark National Bank	FOR MDA USE ONLY		
City, State Zip	Hattiesburg, MS 39403-1898	Address	P.O. Box 1071			
Telephone No.	601-554-1014	City, State ZIP	Hattiesburg, MS 39403-1071	Vendor No.		
Fax Number		Telephone No.	601-469-3663			
Email Address		Services Rendered		IDIS Voucher Number		
		From: July 1, 2014	Thru: To: July 30, 2014			

Section C: Request Per Activity

Approval for Payment

Signature

Date

	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance	Activity Numbers
1	Administration	$ 90,000.00	$ 77,208.31	$ 2,791.69	$ 10,000.00	
2	Application Preparation	$ 10,000.00	$ 10,000.00		$ -	
3	Architect/Engineering	$ 351,000.00	$ 327,341.00		$ 23,659.00	
4	Evaporator Module Equipment	$ 4,549,000.00	$ 4,094,712.00		$ 454,288.00	
5					$ -	
6					$ -	
7					$ -	
8					$ -	
9					$ -	
10					$ -	
11					$ -	
	Total:	$ 5,000,000.00	$ 4,509,261.31	$ 2,791.69	$ 487,947.00	

I Hereby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements.

I Hereby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations.

Signature of Authorized Official

Date Signed

Debra Tompkins — Prepared By

8/15/2014 — Date Prepared

Johnny DuPree, Mayor — Typed Name and Title of Authorized Official

601-638-7121 — Preparer's Telephone No.

Mississippi Development Authority

Cash Summary Support Sheet

Applicant: City of Hattiesburg | Request No: 22 | Grant Number: R-103-06

Period Cost - Beginning: July 1, 2014 | Ending Date: July 30, 2014 | Contract Number: R-103-205-03-KED

1. Activity: Administration

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Administration	Jimmy Gouras	9761	$2,791.69		$2,791.69
B.						$0.00
C.						
D.						
			Subtotal:	**$2,791.69**	**$ -**	**$2,791.69**

2. Activity: Architect/Engineering

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Architect/Engineering					$0.00
B.	Architect/Engineering					$0.00
C.	Architect/Engineering					$0.00
D.						
			Subtotal:	**$ -**	**$ -**	**$ -**

3. Activity: Evaporator Module Equipment

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Evaporator Module Equipment					$0.00
B.	Evaporator Module Equipment					
C.	Evaporator Module Equipment					
D.	Evaporator Module Equipment					
			Subtotal:	**$ -**	**$ -**	**$ -**

Cash Summary Support Sheet

Applicant : City of Hattiesburg Request No: 22 Grant Number: R-103-06

Contract Number: R-103-205-03-KED

4. Activity:				(a)	(b)	
	Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

5. Activity:				(a)	(b)	
	Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share
A.						$0.00
B.						$0.00
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

6. Activity:				(a)	(b)	
	Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

Cumulative Match Expended To Date:	$2,238,948.00	**GRAND TOTAL:**	**$2,791.69**	**$ -**	**$ 2,791.69**
Cumulative Federal Expended To Date:	$4,512,053.00				

I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenditures under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.
I Hereby Certify tthat the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPree, Mayor

Typed Name and Title of Authorized Official

Signature of Authorized Official

Mississippi Development Authority Consolidated Support Sheet

Applicant:	City of Hattiesburg	Contract Number:	R-103-205-03-KED
Request for Cash Number:	22	Total Amount Requested:	$ 2,791.69

Line Items	Amount Budgeted	Amount Requested to Date	Amount of This Request	Balance
Administration	$ 90,000.00	$ 77,208.31	$ 2,791.69	$ 10,000.00
Engineering				$
Specific Line Items as Listed in the Budget:				
Application Preparation	$ 10,000.00	$ 10,000.00		$ -
Architect/Engineering	$ 351,000.00	$ 327,341.00	$ -	$ 23,659.00
Evaporator module Equipment	$ 4,549,000.00	$ 4,094,712.00	$ -	$ 454,288.00
		$ -	$ -	$ -
		$ -	$ -	$ -
			$ -	$ -
				$ -
				$ -
				$ -
				$ -
Total Budget	$ 5,000,000.00	$ 4,509,261.31	$ 2,791.69	$ 487,947.00

Total Funds Request to Date:	$ 4,512,053.00
Amount of Other Funds Expended to Date:	$2,238,948.00
CDBG Project Balance	$ 487,947.00

Period of Projected Cash Needs - Beginning: July 1, 2014 Thru July 30, 2014

TODAY'S DATE	8/15/2014	TOTAL CONTRACT BUDGET	$ 5,000,000.00	
CONTRACT BEGIN DATE (FROM CONTRACT)	2/17/2012	TOTAL AMOUNT SPENT TO DATE	$ 4,512,053.00	
CONTRACT END DATE (FROM CONTRACT)	6/30/2015	% TOTAL CONTRACT BUDGET SPENT	90.24%	
CONTRACT EXTENSION (MONTHS) (ENTER # OF MONTHS OR "0")		% CONTRACT BUDGET REMAINING	9.76%	
FINAL CONTRACT COMPLETION DATE	6/30/2015	CONSTRUCTION BUDGET AMOUNT	$ 4,549,000.00	Enter number from Cash Request.
CONTRACT DURATION (MONTHS)	40.00	TOTAL CONSTRUCTION DOLLARS SPENT TO	$ 4,094,712.00	Enter number from Cash Request.
% OF CONTRACT PERIOD ELAPSED	74.79%	% CONSTRUCTION BUDGET SPENT	90.01%	
% OF CONTRACT PERIOD REMAINING	25.21%			

Urban Planning Consultants, Inc.
a Jimmy Gouras Company since 1988

STATEMENT FOR SERVICES RENDERED

CITY OF HATTIESBURG

KATRINA SUPPLEMENTAL COMMUNITY DEVELOPMENT BLOCK GRANT
ECONOMIC DEVELOPMENT
PROJECT NO. R-103-205-03-KED
WASTEWATER TREATMENT/USA YEAST

July 30, 2014

INVOICE #9761

Monthly Administrative Services Rendered Pertaining Project #R-103-205-03-KED.

Services rendered include overall coordination of project activities; Attending MDA/HUD monitoring visits, meetings, etc.; Maintaining financial records; Preparing the necessary documentation to request funds from MDA; and Providing all other services considered normal administrative services within the course of this Agreement

TOTAL DUE **$ 2,791.69**

Michele Moore (MT)
Michele Moore

3530 Manor Drive Suite 4 • Vicksburg, MS 39180 • 601-638-7121

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: July 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
Brandi Williams	Yes	3	1		

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:.

Date: July 30, 2014

Michele Moore

Signature of Company Representative

*Must provide an answer or report will be rejected.

Mississippi Development Authority
REQUEST FOR CASH

Section A: General Information		Bank Information		Section B: Project Information		
Applicant Name:	City of Hattiesburg	Electronic Transfer	06530027	Grant No.	Contract No.	Request No.
Mailing Address	P.O. Box 1898	Bank Account	4800186627	R-103-06	R-103-205-03-KED	23
Street Address		Bank Name:	Trustmark National Bank	FOR MDA USE ONLY		
City, State Zip	Hattiesburg, MS 39403-1898	Address	P.O. Box 1071			
Telephone No.	601-554-1014	City, State ZIP	Hattiesburg, MS 39403-1071	Vendor No.		
Fax Number		Telephone No.	601-469-3663			
Email Address		Services Rendered		IDIS Voucher Number		
		From: July 1, 2014	Thru: July 30, 2014			

Section C: Request Per Activity

Approval for Payment

Signature

Date

	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance	Activity Numbers
1	Administration	$ 90,000.00	$ 77,208.31	$ 2,791.69	$ 10,000.00	
2	Application Preparation	$ 10,000.00	$ 10,000.00		$ -	
3	Architect/Engineering	$ 351,000.00	$ 327,341.00		$ 23,659.00	
4	Evaporator Module Equipment	$ 4,549,000.00	$ 4,094,712.00		$ 454,288.00	
5					$ -	
6					$ -	
7					$ -	
8					$ -	
9					$ -	
10					$ -	
11					$ -	
	Total:	$ 5,000,000.00	$ 4,509,261.31	$ 2,791.69	$ 487,947.00	

I Hereby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements.

I Hereby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations.

Signature of Authorized Official

9-2-14
Date Signed

Debra Tompkins
Prepared By

8/15/2014
Date Prepared

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

601-638-7121
Preparer's Telephone No.

Mississippi Development Authority

Cash Summary Support Sheet

Applicant : City of Hattiesburg | Request No: 23 | Grant Number: R-103-06

Period Cost - Beginning July 1, 2014 | Ending Date: July 30, 2014 | Contract Number: R-103-205-03-KED

1. Activity: Administration

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Administration	Jimmy Gouras	9761	$2,791.69		$2,791.69
B.						$0.00
C.						
D.						
			Subtotal:	**$2,791.69**	**$ -**	**$2,791.69**

2. Activity: Architect/Engineering

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Architect/Engineering					$0.00
B.	Architect/Engineering					$0.00
C.	Architect/Engineering					$0.00
D.						
			Subtotal:	**$ -**	**$ -**	**$ -**

3. Activity: Evaporator Module Equipment

	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.	Evaporator Module Equipment					$0.00
B.	Evaporator Module Equipment					
C.	Evaporator Module Equipment					
D.	Evaporator Module Equipment					
			Subtotal:	**$ -**	**$ -**	**$ -**

Cash Summary Support Sheet

Applicant : City of Hattiesburg | Request No: 23 | Grant Number: R-103-06 | Contract Number: R-103-205-03-KED

4. Activity:	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

5. Activity:	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						$0.00
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

6. Activity:	Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.						$0.00
B.						
C.						
D.						
			Subtotal:	**$0.00**	**$0.00**	**$0.00**

Cumulative Match Expended To Date:	$2,238,948.00	**GRAND TOTAL:**	$2,791.69	$ -	$ 2,791.69
Cumulative Federal Expended To Date:	$4,512,053.00				

I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenditures under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.
I Hereby Certify tthat the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPree, Mayor
Typed Name and Title of Authorized Official

Signature of Authorized Official

Mississippi Development Authority Consolidated Support Sheet

Applicant:	City of Hattiesburg	Contract Number:	R-103-205-03-KED
Request for Cash Number:	23	Total Amount Requested:	$ 2,791.69

Line Items	Amount Budgeted	Amount Requested to Date	Amount of This Request	Balance
Administration	$ 90,000.00	$ 77,208.31	$ 2,791.69	$ 10,000.00
Engineering				$
Specific Line Items as Listed in the Budget:				
Application Preparation	$ 10,000.00	$ 10,000.00		$ -
Architect/Engineering	$ 351,000.00	$ 327,341.00	$ -	$ 23,659.00
Evaporator module Equipment	$ 4,549,000.00	$ 4,094,712.00	$ -	$ 454,288.00
		$ -	$ -	$ -
		$ -	$ -	$ -
			$ -	$ -
				$ -
				$ -
				$ -
				$ -
Total Budget	$ 5,000,000.00	$ 4,509,261.31	$ 2,791.69	$ 487,947.00

Total Funds Request to Date:	$ 4,512,053.00
Amount of Other Funds Expended to Date:	$2,238,948.00
CDBG Project Balance	$ 487,947.00

Period of Projected Cash Needs - Beginning: July 1, 2014 Thru July 30, 2014

TODAY'S DATE	8/15/2014
CONTRACT BEGIN DATE (FROM CONTRACT)	2/17/2012
CONTRACT END DATE (FROM CONTRACT)	6/30/2015
CONTRACT EXTENSION (MONTHS) (ENTER # OF MONTHS OR "0")	
FINAL CONTRACT COMPLETION DATE	6/30/2015
CONTRACT DURATION (MONTHS)	40.00
% OF CONTRACT PERIOD ELAPSED	74.79%
% OF CONTRACT PERIOD REMAINING	25.21%

TOTAL CONTRACT BUDGET	$ 5,000,000.00	
TOTAL AMOUNT SPENT TO DATE	$ 4,512,053.00	
% TOTAL CONTRACT BUDGET SPENT	90.24%	
% CONTRACT BUDGET REMAINING	9.76%	
CONSTRUCTION BUDGET AMOUNT	$ 4,549,000.00	Enter number from Cash Request.
TOTAL CONSTRUCTION DOLLARS SPENT TO	$ 4,094,712.00	Enter number from Cash Request.
% CONSTRUCTION BUDGET SPENT	90.01%	

Urban Planning Consultants, Inc.
a Jimmy Gouras Company since 1988

STATEMENT FOR SERVICES RENDERED

CITY OF HATTIESBURG

KATRINA SUPPLEMENTAL COMMUNITY DEVELOPMENT BLOCK GRANT
ECONOMIC DEVELOPMENT
PROJECT NO. R-103-205-03-KED
WASTEWATER TREATMENT/USA YEAST

July 30, 2014

INVOICE #9761

Monthly Administrative Services Rendered Pertaining Project #R-103-205-03-KED.

Services rendered include overall coordination of project activities; Attending MDA/HUD monitoring visits, meetings, etc.; Maintaining financial records; Preparing the necessary documentation to request funds from MDA; and Providing all other services considered normal administrative services within the course of this Agreement

TOTAL DUE **$ 2,791.69**

Michele Moore (ti)
Michele Moore

3530 Manor Drive Suite 4 • Vicksburg, MS 39180•601-638-7121

Section 3 Monthly Status Repo Hiring / Subcontracting Activity

(For General Contractor - Submit both general contractor and subcontractor reports to the Grant Administrator monthly; For Subcontractors - Submit to General Contractor monthly)

Instructions

1. The general contractor and all subcontractors (if applicable) must provide fully completed monthly status reports on their hiring and subcontracting progress Incomplete forms will be rejected.
2. List all positions filled and subcontracts executed in connection with the Section 3 project during the reporting period.
3. Submit all applicable related Section 3 Resident and Section 3 Business Certification forms (with supporting documentation) with the report.
4. Reports must be submitted to the Grant Administrator by the general contractor no later than 5 days after the end of each month.

Project Name: Hattiesburg R-103-205-03-KED
Month/Year of Report: July 2014
Grant Administrator: Urban Planning Consultants
General Contractor: Urban Planning Consultants
GC Contact Name/Phone:601-638-7121
Subcontractor Name(s): _____

HUD Hiring Categories

1) Professionals
2) Technicians
3) Office and Clerical
4) Officials and Managers
5) Sales
6) Craft Workers (skilled)
7) Operatives (semi-skilled)
8) Laborerers (unskilled)
9) Service Workers

HIRING List job titles for all new hires AND names of persons hired for the project during this reporting period (e.g., Craft worker-John Smith)	Sec 3 Resident Hired? (Y/N)	Hiring Category	# of Sec 3 Residents Interviewed	Referral Sources Utilized	**If Sec 3 Resident not hired, provide a reason***
Brandi Williams	Yes	3	1		

SUBCONTRACTING Name of subcontractors contracted in connection with the project this reporting period	Section 3 Business Selected? (Y/N)	Dollar Value of Contract	Contract Date	# of Sec 3 businesses that bid on contract	Referral Sources Utilized	**If Sec 3 Business not selected, provide a reason***
N/A						

Describe efforts to provide Section 3 Residents and Businesses with first consideration for employment and contracting opportunities, and all outreach activities performed. If no activity, explain*:.

Date: July 30, 2014

Michele Moore
DT

Signature of Company Representative

*Must provide an answer or report will be rejected.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1333

File ID: 2014-1333 **Type:** Regular Agenda Item **Status:** Agenda Ready

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/22/2014

Brief Title: Authorize designation of Sharon Waits as Applicant Agent **Final Action:** 09/02/2014

Minute Book Number: MB2014-250-251

Title:

Authorize designation of Sharon Waits as Applicant Agent to execute for and in behalf of the City of Hattiesburg, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974, as amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, in regards to the tornado that hit Hattiesburg on February 10, 2013, and to file applications with Governor's authorized representative.

Notes:

Sponsors: **Enactment Date:**

Attachments: MEMA PA-1.filled, executed MEMA PA-1.filled **Enactment Number:**

Contact: **Meeting Date:** 09/02/2014

Drafter: **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Authorize				Pass

Action Text: A MOTION was made by Council Member Delgado and seconded by Council Member Naylor to Authorize designation of Sharon Waits as Applicant Agent to execute for and in behalf of the City of Hattiesburg, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974, as amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, in regards to the tornado that hit Hattiesburg on February 10, 2013, and to file applications with Governor's authorized representative.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1333

Title

Authorize designation of Sharon Waits as Applicant Agent to execute for and in behalf of the City of Hattiesburg, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974, as amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, in regards to the tornado that hit Hattiesburg on February 10, 2013, and to file applications with Governor's authorized representative.

Summary

Budget Information

Expenditure Type

Purchasing Item

Publication Information

DESIGNATION OF APPLICANT AGENT

BE IT RESOLVED BY: City Council (Governing Body) OF: City of Hattiesburg (City, County, Other Entity)

THAT Sharon Waits (Name of Designated Agent), Chief Financial Officer (Official Position)

ADDRESS: 200 Forrest Street , TELEPHONE (W)_____ (H)_____

Hattiesburg, MS 39401

is hereby authorized to execute for and in behalf of City of Hattiesburg (City, County, Other Entity)

a public entity established under the laws of the State of Mississippi, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974 (Public Law 93-228), amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, (Public Law 100-707) and to file them with the Governor's Authorized Representative.

PASSED AND APPROVED THIS 2nd DAY OF September 2014.

Name and Title	**Name and Title**
Name and Title	**Name and Title**
Name and Title	**Name and Title**

CERTIFICATION

I, _____, duly appointed _____ (Title)

of,_____, do hereby certify that the above is a true and

correct copy of a resolution passed and approved by the _____ (Governing Body)

of _____ on the _____ day of _____, 20____.

DATE	SIGNATURE

MEMA PA-1 (REV 5/95)

LOCAL APPLICANT'S AGENT

Each city or county included in a Presidential disaster declaration under Public Law 93-228 and Public Law 100-707 may be eligible for federal assistance to repair or replace damaged public facilities (such as debris removal, evacuation, sand bagging, etc.). When this happens, the local government must designate an Applicant's Agent who will be authorized by the City Council/Board of Supervisors to represent the city or county with federal and state agencies managing these public assistance programs.

Much of the work of an Applicant's Agent will start as soon as the disaster occurs. To save time in the first few days following a disaster, MEMA recommends that the Applicant's Agent be designated BEFOREHAND. By doing this, the city or county will give the person selected a chance to become familiar with these programs and to establish local procedures and systems before the disaster occurs.

The City Council/County Board should be particularly selective in naming an Applicant Agent. The designation must be made by the action of the full body and should be recorded in the official record as any other ordinance or resolution would be. The City Council/County Board should carefully select a person who is able to perform the duties that will be assigned.

The person selected must also be able to spend the major amount of time required to do the job. Once the Applicant's Agent is selected the City Council or County Board must give their support and help.

In simplest terms, the Applicant's Agent will represent the local government in managing the city or county applications for federal disaster assistance funds. The agent will be the contact person for Federal and State agencies dealing with the disaster programs. This person will be responsible for managing federal funds provided for the community, for following state and local bid and contract procedures, for maintaining auditable records and for seeing that all work is accomplished before the completion dates are reached.

The position of Applicant's Agent is highly responsible and requires a good deal of time and strong managerial skills. The person selected must have the full confidence of the City Council/County Board and must be given sufficient authority to take the steps required under Federal regulations.

Some counties have appointed the Chancery Clerk, County Administrator, County Engineer, or Emergency Management Director, City Manager or others. The choice is entirely up to the governing body.

DESIGNATION OF APPLICANT AGENT

BE IT RESOLVED BY: City Council (Governing Body) OF: City of Hattiesburg (City, County, Other Entity)

THAT Sharon Waits (Name of Designated Agent), Chief Financial Officer (Official Position)

ADDRESS: 200 Forrest Street, TELEPHONE (W) 601-545-4680 (H) _____

Hattiesburg, MS 39401

is hereby authorized to execute for and in behalf of City of Hattiesburg (City, County, Other Entity)

a public entity established under the laws of the State of Mississippi, applications for the purpose of obtaining and administering certain federal financial assistance under the Disaster Relief Act of 1974 (Public Law 93-228), amended by Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, (Public Law 100-707) and to file them with the Governor's Authorized Representative.

PASSED AND APPROVED THIS 2nd DAY OF September 20 14 .

Name and Title

Name and Title

Name and Title

Name and Title

Name and Title Ward 4 Councilwoman

Name and Title

CERTIFICATION

I, Kermas Eaton, duly appointed Deputy City Clerk (Title)

of, City of Hattiesburg, MS, do hereby certify that the above is a true and

correct copy of a resolution passed and approved by the City Council (Governing Body)

of City of Hattiesburg, MS on the 16th day of September, 20 14.

9-17-14

DATE

SIGNATURE

MEMA PA-1 (REV 5/95)

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1350

File ID:	2014-1350	**Type:**	Regular Agenda Item	**Status:**	Passed
Version:	2	**Reference:**		**In Control:**	City Council
				File Created:	08/28/2014
Brief Title:	Approve Task Order #7 with Neel-Schaffer, Inc.			**Final Action:**	10/07/2014
				Minute Book Number:	MB2014-251-254, MB

Title:

Take from the Table and Approve Task Order #7 with Neel-Schaffer, Inc. for preliminary engineering services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant; Authorize Mayor to execute in duplicate.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	NSI Task Order No 7, executed NSI Task Order No 7	**Enactment Number:**	
Contact:		**Meeting Date:**	10/07/2014
Drafter:	Sharon Waits	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Table				Pass

Action Text: A MOTION was made by Council Member Delgado and seconded by Council Member Naylor to TABLE to Approve Task Order #7 with Neel-Schaffer, Inc. for preliminary engineering services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant; Authorize Mayor to execute in duplicate.

Council President Bradley asked Nathan Husman of Neel-Schaffer to explain the difference between this task order and the one that was tabled two weeks ago.

Mr. Husman said that it became clear during negotiations for the last four months that there were concerns as to what this contract will look like. He said Hattiesburg Resource Group listened to concerns and made a decision to whittle the agreement down and make the task order specific to the preliminary engineering and process selection. He said final design will be looked at after the [preliminary design and process selection is complete]. He said this is a Neel-Schaffer task order under an existing continuing service agreement, because the company's role within HRG was focusing on process selection and process design; Mr. Husman said this [task order] is for just the preliminary engineering as well as those services needed to support that.

He said specific plans include looking at an influent testing program to get a true snapshot of what is coming into the south lagoon. He said that as USA Yeast comes online, those parameters will change and Neel-Schaffer wants to be able to capture and monitor that routinely. Mr. Husman said with new information that could change the process design and process selection, Neel-Schaffer will be able to shrink unit basins down and will be able to realize that before [the company] actually starts the preliminary engineering. He said process selection and the interim design report is [planned to be complete] by the end of this calendar year, allowing [Neel-Schaffer] to provide all the information to the city to go through the selections and choose the process that is right for the city. He said this is not an engineering decision but rather a decision for the owner, as the city will operate this facility. He said that once [the process is selected], [Neel-Schaffer] will kick off the true preliminary engineering, drawings and calculations, which he estimated will take nine months.

Council member Delgado stated that [the task order] is an 18-page document and she was expecting some conferences or extended explanations of the document and a little bit better picture of what the relationship will be. She said she is at a loss and commented that there was a meeting regarding the previous task order.

Mr. Husman said that [for this task order], [Neel-Schaffer] took the previous HRG task order and removed anything not related to preliminary engineering ; he said this document essentially has the preliminary engineering tasks from that original HRG task order with everything else removed.

Council President Bradley asked for more details on what has to be done before [discussions on construction] can begin.

Mr. Husman said that during and after the influent testing program, [Neel-Schaffer] will do process review to provide a tabulation of all suitable processes for [the city's] situation. He said typically [the processes] will be activated sludge for a full mechanical plant and biological polishing for ammonia nitrogen removal. He said [the process review] will allow [the city] to see from a capital costs perspective and from an operations and maintenance costs perspective as an annual operations cost, and flip them head to head to see what the city's investment will be.He said a geotechnical investigation will be needed if [the city] uses the existing lagoon cell 4 to construct the facility to make sure any costs associated with the foundation requirements are captured. Also, he said, surrounding sites will be evaluated to see if there are more economical solutions to the city to avoid going into the existing cell 4. Mr. Husman said the goal is to provide as much economy [as possible] the city makes its decision.

Mr. Husman said [Neel-Schaffer] needs to provide a minimumal level of survey to use for process selection and layout to look at the plant. He said the survey will allow [Neel-Schaffer] to capture any available property [the city] has and to look at surrounding properties to know how many acres will be needed to complete the project. He said [Neel-Schaffer] wants to complete an SRF facilities plan application to keep the [city] in line to take advantage of the state's 1.75 percent loan program; he

said [the application] does not obligate the city but [maintains its] eligibility for that funding for next year.

Mr. Husman discussed developing a model DBO (Disadvantaged Business Organization) program for consideration in the construction process and said [Neel-Schaffer] will look at what has worked in other communities and bring ideas back for consideration. He said the company also will look at a project delivery memorandum and retain specialized legal counsel to provide a review of what state bid laws require and a pro-con table for design/build, design/bid/build and design/build/operate. He said there are hybrids of all, but that the legal aspect is most important so [the city] will know when to seek legislative approval.

Council member Delgado stated that in a previous conversation, she had been advised that the state had only one design/build/operate project, that it was done by MDOT and [the city's] chances of doing it were very unlikely.

Mr. Husman said that the state legislature and state bid laws only allow MDOT to do design build. He said MDOT has been authorized for three such projects and [Neel-Schaffer] has worked on most if not all. He said the company has good experience with MDOT and has worked on design/ build and design/build/operate projects on water plants in other states. He said [Neel-Schaffer] wants to talk to counterparts in other states, look at the literature and bring examples back to show the pros and cons of doing design/build and design/bid/build; Mr. Husman stated that all of these delivery options have advantages and drawbacks and that he wants [the city] to be fully informed.

Council member Delgado asked if Neel-Schaffer participated in the plant in McComb and partnered with Severn Trent; Mr. Husman said [the McComb plant] was a Neel Schaffer design and that Severn Trent was selected by the city (of McComb) to be the operator. He said Neel-Schaffer assisted [McComb] with the RFQ process and worked with Severn Trent on the completion of construction and initiation of operations.

Council member Dryden asked if the Council went through this process before; Council President Bradley replied in the negative and said this item has not come before the Council previously.

Council member Naylor asked if [the city] has held any kind of public forum or public hearing on this item; the Council clerk replied in the negative.

Council member Dryden said that before she got on the Council, there was a vote to select land application; she asked if before that was done, the Council had been through the process that Mr. Husman described. Council President Bradley responded in the affirmative and said [this] is a condensed version of what [was done] in 2010-11. Council member Dryden asked if [the new task order] is [being done] to see what most current [practices] are; Mr. Husman replied in the affirmative. He said an abbreviated version of process selection was done when nutrient studies were conducted in 2011 and that this will allow [Neel-Schaffer] to evaluate any additional technologies. He said other technologies have been brought to light from the city's standpoint. He said [Neel-Schaffer] also will conduct full process modeling of those, going to the next step of what was done in 2011. He stated that this will allow more accurate cost estimations.

Council President Bradley stated that perhaps the most driving change is that [deadlines] have been pushed back for total nitrogen, total ammonia and other limits that in 2011 were thought to be coming soon. He said the city's standing in the state today and whether MDEQ looks at any further ratcheting down of those numbers will change [the city's] thought process. Mr. Husman agreed and said the basis for recommendations made in 2011 has changed drastically; he said in 2011 [the city] had a very dark cloud hanging over its head from MDEQ with implementation of the American nutrient criteria but now MDEQ has backed off, which changes how these processes are evaluated, the cost to the city and the ultimate selection as to the type of plant that will be built.

Council President Bradley stated that [the city] is running behind and needs to stay within the timeline.

Following discussion, the Motion to Table failed, receiving a tie vote of the Council as follows:

Yeas: 2 - Delgado and Naylor

Nays: 2 - Bradley and Dryden

Absent: 1 - Carroll

At Attorney Lawrence's suggestion, Council President Bradley asked for a recall of the vote.

Following discussion, the Motion to Table received the affirmative vote of the Council as follows:

Yeas: 4 - Delgado, Bradley, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley Council Member Delgado Council Member Dryden Council Member Naylor
TEL-No Vote:	0	

2	City Council	10/07/2014	Approve	Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Carroll to Take from the Table and Approve Task Order #7 with Neel-Schaffer, Inc. for preliminary engineering services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant; Authorize Mayor to execute in duplicate.

Council member Dryden said she wants to clarify that the agenda is to vett different possibilities so that there is an engineer who specializes in wastewater to [assist] with [information] presented to the Council.

Council member Delgado said she did not know that this is a contract to vett.

Nathan Husman of Neel-Schaffer responded to Council member Dryden in the affirmative. He said the way the contract is structured, there will be a preliminary process selection, during which [Neel-Schaffer] will review all processes that in [the company's] experience will meet the city's long-term need and all processes the city wants to be included; he said [the company] will bring forward its recommendations and the city can decide the direction it wants [to follow]. Mr. Husman stated that Neel-Schaffer will not start design until the city determines the process it wants to use.

Council member Delgado said this is a contract truly to vett and not to do anything; Mr. Husman said this is a contract to design a new plant, but in order to do that [design], [Neel-Schaffer] must go through process selection and develop a process design memorandum. He said thr memorandum kick starts the technical engineering; but that [Neel-Schaffer] cannot start going through that process until the city accepts a recommendation or evaluation that is brought forward. Mr. Husman said that starting the engineering process before [city] approval would be at Neel-Schaffer's risk.

Council member Carroll said that in approving this [agenda item], [the city] is not limiting itself and will have the ability to go with a better or less expensive [process], even utilizing Neel-Schaffer's services as a consultant. Mr. Husman said [Neel-Schaffer] will meet with anybody who approaches the city and will bring forward recommendations on whether that [proposal] meets the city's long-term needs. Council member Carroll stated that either party can nullify [the task order] at any time and should that happen, the city would owe Neel-Schaffer only for work it has done; Mr.Husman said that only the city can cancel the task order.

Mayor DuPree asked, for clarification, if Neel Schaffer will give the city a recommendation regarding the new permit and nutrient levels; Mr. Husman replied in the affirmative and said the city will apply for a new permit very soon. He said [Neel-Schaffer will work to fast-track that [application] because the information is needed for the company's review [of processes] and ultimately for its recommendations [to the city].

Council member Carroll stated that, based on the time frame and constraints, approving this contract is what [the city] needs; he said there are enough safeguards to assure citizens that [the city] can use the best program [available].

Council President Bradley said 18 months of work must be done in 11 months and that penalties will begin in December of next year.

Council member Dryden said the banking community is predicting that interest rates will go up the middle of next year; she said [the city] does not need to waste any more time.

Mr. Husman added that one of [Neel-Schaffer's] tasks is to continue with the SRF process so that the city stays in line for that program with the state for a 1.75 percent interest rate; he said the city is in line for that program but not obligated to take the money.

Council Vice President Naylor asked Mayor DuPree if he supports the Council moving forward with this [task order]; the Mayor said that from his perspective [the city] does need to do something to move forward because the clock is ticking. He said [Neel-Schaffer] is looking at everything from clarifiers to rural accounts and that is what [the company] is charged to do. He said he talked to Nathan [Husman] and Mr. Neel and hopes they follow through with everything they talked about and

agreed upon; he said if that is the case, then [he would be in support]. Council Vice President Naylor asked the Mayor again if he is in support of [the Council] moving forward on [the task order]; Mayor DuPree stated that he would, as long as the agreement is followed to the letter of the law. Council Vice President Naylor stated that he wants to feel certain that [the Mayor] is in support of moving forward with Neel-Schaffer overseeing the project for the best interest of the city; Mayor DuPree said he has talked with Nathan [Husman] and Mr. Neel about the program and the process, and as long as they agree to follow what the contract says, he would have to be in support. Council Vice President Naylor said there were specific concerns about a community benefit package and asked the Mayor if he feels that [those concerns] have been addressed. Mayor DuPree said Mr. Neel had assured him that [that concern] has been addressed and he has to believe [it will be]. Council Vice President Naylor asked the Council about [the community benefit package]; Council President Bradley said he is familiar with it.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Carroll, Dryden and Naylor

Nays: 1 - Delgado

Yea:	4	Council Member Bradley
		Council Member Carroll
		Council Member Dryden
		Council Member Naylor
Nay:	1	Council Member Delgado
TEL-No Vote:	0	

Text of Legislative File 2014-1350

Title

Take from the Table and Approve Task Order #7 with Neel-Schaffer, Inc. for preliminary engineering services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant; Authorize Mayor to execute in duplicate.

Summary

Approve Task Order #7 with Neel-Schaffer, Inc.

Budget Information

105695.6015

NEEL-SCHAFFER
Solutions you can build upon

engineers
planners
surveyors
environmental scientists
landscape architects

August 26, 2014

Mayor Johnny L. DuPree, PhD
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Re: SOUTH LAGOON WASTEWATER TREATMENT PLANT
PROCESS SELECTION AND DESIGN
TASK ORDER #7

Dear Mayor DuPree:

As you requested, Neel-Schaffer, Inc. is pleased to provide this Task Order for services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant. Specifically, this Task Order only authorizes preliminary Engineering Services and other associated tasks. This Task Order will be amended to authorize final design and construction phase services. All services related to this Task Order will be considered to be Type 2 services in accordance with our current Agreement for Professional Services with the City of Hattiesburg.

Background

On July 19, 2011, The City of Hattiesburg (City) entered into an agreement with Neel-Schaffer, Inc. (Engineer) to provide Engineering services. The City has requested the Engineer prepare a task order for the design, permitting, and construction administration of a new City wastewater treatment facility (Facility) based upon a form of mechanical treatment facility (to be selected by the City) with a discharge to the Leaf River. The City has also entered into an Agreed Order to proceed with the design of a new treatment facility. This authorization is intended to intended to initiate the design immediately due to the Order's schedule and consider all feasible treatment processes to meet current and future flows and discharge requirements.

Key services that will be performed in relation to the design and construction of the new treatment facility include:

1. Overall Program Management services to the City will be included within each task. No separate task or fee will be charged to the City for Program Management;
2. Process selection for the new Facility. The Engineer will consider processes that are considered to represent a full mechanical Facility, processes that are partially mechanical (effluent polishing), and other processes and technologies that have an established record of performance and will meet the City's treatment requirements.

3. Required soil borings and analysis and topographic survey services required to initiate design;
4. Preparation of a Facilities Plan to request construction monies thru the Mississippi Department of Environment Quality (MDEQ) State Revolving Loan Fund (SRF) program;
5. Assisting the City in developing program(s) to enhance the opportunities for the local participation in the Project's construction;
6. Review of alternative project delivery methods, including design-build, with recommendations to the City for alternatives that may reduce cost and/or accelerate completion of construction.

This Task Order specifies all identified tasks to design, bid, and provide support services during the construction of the Facility assuming it will be constructed utilizing a conventional design, bid, build (by a private Contractor) method. This Task Order includes all the reports, work by subconsultants, and the design to develop Preliminary Drawings and Specifications suitable for selection of contractors utilizing a Request for Qualifications as part an alternative project delivery method (design-build, or similar). If the City decides upon an alternative delivery method, the Preliminary Design documents will be used as a template for bidding the alternative construction methods, assuring the City that the construction will meet minimum standards established for the project and MDEQ discharge standards.

The unpriced work tasks are noted in the proposal. Upon the City's determination of the final design and construction method, this Task Order will be amended to either provide fee for unpriced tasks or develop new tasks and fees to reflect changes required to provide Engineering services appropriate to the Project.

SCOPE OF SERVICES

Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design

Engineering Design and Process Report

The Engineer will develop an Engineering Design and Process Report that will serve as the basis for the Engineering design of the Facility. This report will provide a detailed evaluation of treatment processes under consideration, along with an influent flow and loading determination, to develop a specific process design for the new Facility. Further, other process units, such as preliminary treatment and sludge management, will be evaluated and presented with this report. Both capital and operations and maintenance (O&M) costs, in 2014 dollars, will be prepared along with a conceptual design for future upgrades. A summary of required permitting will also be prepared. The information contained in the Report will be used in the State Revolving Loan Fund (SRF) Facilities Plan report as well as the basis for final design of the new facility. The Report will incorporate multiple Technical Memorandums including the following:

Technical Memorandum #1 – Influent Testing Program
The Engineer will prepare a Technical Memorandum to determine the design loads and flows into the new treatment Facility. The purpose of this Memorandum is to more precisely determine the sizing of the treatment process units for the most efficient Facility. The Engineer will conduct sampling of the raw wastewater into the facility along with major industrial sources for a determination of loads. All available flow data at the facility will also be collected and analyzed to determine a proposed flow and loading basis of the new Facility.

Wastewater Constituent Characterization – Wastewater samples will be collected and analyzed for calculation of loadings to the treatment system. Sampling points will include the existing influent lift stations within the City's system and approximately 25 commercial / industrial contributors at the point their wastewater enters the system. These base samples will be collected utilizing 24-hour composite and grab samples for a period not less than 180 calendar days. The constituents analyzed in the base samples will include: chemical oxygen demand (COD), 5-day biological oxygen demand (BOD_5), acidity(pH), alkalinity, total suspended solids (TSS), ammonia nitrogen (NH_3-N), total kjeldahl nitrogen (TKN), total nitrogen TN, sulfides, and phosphorus (P). Additional air sampling will be conducted to measure hydrogen sulfide (H_2S) and mercaptans at selected sites within the collection system. In addition, a grab sample will be taken at each sample point for purposes of identifying priority pollutants, heavy metals, pathogens, refractory organics, and dissolved inorganics.

Wastewater Flow Monitoring – The City has invested in equipment to monitor flows at the existing South Lagoon and conducted a Flow Monitoring Study as part of the ongoing COMSWIP program. The Engineer will utilize all existing information the City has available to determine the design flows for the new Facility. As part of the sampling program, limited additional flow monitoring will be conducted on an as-needed basis to determine influent loading from the sample results.

The Engineer will collect all data from the sampling and the flow monitoring after the first 30 days and issue a preliminary Memorandum in order to establish baselines for both influent loading and flow rates. The Engineer shall issue supplementary Memorandums during the sampling period to document additional results as they become available.

Technical Memorandum #2 - Flood Elevations and Protections
Due to the investment in this facility and location within the Leaf River flood plain, the Engineer will conduct a flood study of the Leaf River in the vicinity of the existing lagoons and proposed new wastewater treatment facility. This study will determine the necessary elevation of the facility and process units to continue operations and meet the requirements contained in the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10) entitled "Mapping of Areas Protected by Levee Systems".

Technical Memorandum #3 - Site Review and Selection
The Engineer will review the recommendations contained in the Nutrient Study dated December 15, 2011 to construct the new Facility within one of the existing lagoon cells and consider any additional costs or savings to construct the Facility on another property immediately adjacent to the existing lagoon treatment facility. The Memorandum will also consider impacts upon the proposed design and construction schedule. The Engineer will review the findings contained in the report with the City and provide a recommendation for the final selection of a site for the new Facility.

The Engineer will submit each of the Technical Memorandums to the City for review. The City will review each of the Memorandums and provide review comments to the Engineer. The Engineer will address all City comments and return a copy of the revised Memorandum for City records. Upon completion of the Design and Process Report, the Engineer will submit the complete Report to the City for Review. The City will review the Report and provide review comments to the Engineer. The Engineer will address all City comments and return the revised final Report for City records.

Geotechnical Investigation
The Engineer will provide and coordinate the services of a qualified Geotechnical subconsultant to perform a detailed geotechnical investigation within the project area and to further explore subsurface conditions at the proposed wastewater treatment facility site and ancillary pipelines. Field investigations will be performed for collection of pertinent data and information, which will be analyzed to develop recommendations for the final design. The Engineer will review the geotechnical reports and confirm that the analysis addresses the needs of the City. Foundation and site design recommendations will also be provided by the geotechnical subconsultant.

The Geotechnical Investigation will be divided into three separate phases:

- Phase 1 – Initial investigation for the site within the existing Lagoon cell: Borings will be conducted outside of the existing levees to produce a cross-section of the geotechnical conditions under the Lagoon. An initial recommendation for foundation designs for the new mechanical Facility will be developed.
- Phase 2 – Initial site investigation: A limited number of borings will be conducted on properties immediately adjacent to the existing Lagoon site in order to determine the suitability of each site for the construction of the new mechanical Facility and any additional costs or cost savings related to the geotechnical conditions of each site.
- Phase 3 – Detailed site investigation: A geotechnical investigation will be conducted on the site the City selects for the construction of the new mechanical Facility. The investigation will be conducted to develop the recommendations necessary to support the final design of the Facility.

Design Topographic Survey
The Engineer will conduct a topographic survey of the existing lagoon site and areas anticipated to be impacted by construction activities. The Engineer will also set permanent benchmarks for the site to be utilized by the construction contractor. Previous surveys

conducted at the existing lagoon will be collected and an additional survey will be conducted, as necessary, to develop a current topographical survey of the Lagoons, existing utilities, and other pertinent topographic features.

Project Delivery Review Memorandum
The Engineer will review alternative project delivery methods for the City's consideration. The review will include relevant examples of similar projects with consideration for reduction of costs and effects on overall project schedules. Special legal counsel will be included to provide a review of compliance of any recommended alternative methods with the State Procurement Regulations and any legal requirements to implement certain methods.

The Engineer will submit the Project Delivery Review Memorandum to the City. The City will review the Memorandum and provide review comments to the Engineer. The Engineer will address all City comments and return a copy of the revised Memorandum for City records. The Engineer will be available to assist the City in the selection of the project delivery method throughout the Preliminary Design Phase. The City acknowledges the necessity to commit to a delivery method prior to completion of the Preliminary Design Phase in order to make any amendments, if necessary, to this Task Order and allow the Engineer to proceed with Final Design.

Preliminary Design - Wastewater Treatment Facility
Preliminary Design plans and technical specifications for the City's consideration will be developed utilizing the Design Report. The intent is to provide sufficient technical detail for a qualifications based selection of contractors should the City decide to select an alternative method for project delivery.

The Preliminary Design, at this project completion level, will include the following:

1. Drawings with preliminary site grading including internal and external access;
2. Meet with regulatory agencies to discuss submittal and permitting requirements;
3. Preliminary main process hydraulic profile and one-line process diagrams of all sidestreams;
4. Preliminary yard piping plans and routing of existing wastewater flows to the new Facility;
5. Process units in plan and profile view;
6. Plan, cross-sections, and initial architectural renderings of all buildings;
7. Fencing and landscaping limits;
8. Power supply and distribution schematics both internal and external to the site;
9. Instrumentation and control concepts;
10. Structural plans and cross-sections showing preliminary wall thicknesses.

Expected number of plans sheets for this work is anticipated as follows:

1. Cover sheet and General Notes (3 sheets)
2. Hydraulic Profile and Influent Piping Plan and Profile (5 sheets)
3. Civil Site Plans (10 sheets)
4. Mechanical Plans (30 sheets)

5. Architectural (Operations, Power, Standby Generator, Disinfection, Maintenance Buildings (15 sheets)
6. Structural Sheets (20 sheets)
7. Electrical Power (10 sheets)
8. Instrumentation and Controls (3 sheets)

Preliminary Technical Specifications will be for all process and pumping systems along with proposed power and instrumentation and control systems. Structural standards will also be provided.

The Engineer will prepare and submit a preliminary estimate of probable construction cost for the construction of the Facility, reflective of the progress made in the design. The estimate will include a cost breakdown with base bid and alternate additions, as needed.

The Engineer will submit five (5) sets of Preliminary plans and specifications to the City for review. The City will review the plans and provide review comments to the Engineer. The Engineer will address all City comments and return five (5) revised sets for City records.

Preliminary Design phase services are anticipated to last nine consecutive months. The Preliminary Design phase will be complete upon delivery of the revised Preliminary plans and specifications to the City.

SRF Facilities Plan and Loan Application Documents
Currently, the only identified funding program to support the City's design and construction of the planned Facilities is the SRF Program offered by MDEQ. As the City has already submitted the required Ranking Form to the SRF Program in order to be listed as an eligible project in the Program's planning documents, the Engineer will continue to support the City's application to the Program in the event that other sources of funding do not become available.

The Engineer will assemble an SRF Facilities Plan for each anticipated construction project, in accordance with the guidelines and requirements of the SRF Program. Each Facilities Plan will include a review of previous Engineering reports, inclusion of the latest probable estimates of project cost, and the development of a draft user charge system to comply with SRF program requirements. We will also administer one (1) public comment hearing in accordance with SRF program requirements.

Required application documents will be assembled for each anticipated construction project, in accordance with the guidelines and requirements of the SRF Program. The Engineer will be available to meet with representatives of the SRF Program, as necessary, to support the City's applications.

DBO Model Program Development
The Engineer will assist the City of Hattiesburg in the development of a Disadvantaged Business Organization (DBO) program. The program will be aimed at maximizing outreach to DBO certified companies in order to educate them concerning opportunities for

involvement in the overall Project and assist them in offering their applicable services to Project contractors. It is the goal of the Engineer to create a meaningful and sustainable DBO process by providing the following services:

1. Review DBO programs currently in use by other governmental agencies to assist in the development of a model DBO program for the City's consideration;
2. Implementation of the model DBO program adopted by City for the construction projects associated with the new Facility;
3. Evaluation of the effectiveness and costs associated with the model DBO program for the City's consideration for further implementation.

Local Workforce Involvement Model Program Development

In an effort to increase the economic impact of this project on the local community, the Engineer will assist the City of Hattiesburg in implementing a local workforce involvement program. The following services will be provided in order to establish this program:

1. Develop a Local Involvement Program for the construction of the project
2. Provide outreach to the workforce and businesses located in the City of Hattiesburg
3. Assemble a database of applicable service providers and skilled personnel
4. Assist the City of Hattiesburg in establishing a local involvement goal for the project
5. Oversee program compliance during the construction of the project
6. Collect, compile and analyze data gathered through the implementation of the Local Involvement program in order to report to the City of Hattiesburg

Phase B - Wastewater Treatment Facility Final Design and Permitting (To be Negotiated)

Final Design - Wastewater Treatment Facility

The City will, in writing, authorize the Engineer to proceed with the Final Design phase within thirty calendar days from completion of the Preliminary Design Phase. During the Final Design phase, the Engineer will prepare final construction plans and specifications utilizing the Engineering Design and Process Report and the plans and specifications developed during Preliminary Design. The final construction plans and specifications will be suitable for solicitation for public bids assuming a conventional design and bid process where the City will enter into a contract with a private company (Contractor) to construct the Facility pursuant to the construction documents of the Engineer. It is also assumed the facility will be partially funded by loan funds from the SRF Program.

The Engineer will prepare construction drawings as necessary to depict and describe the wastewater treatment in a clear and concise manner and will be based upon the drawings prepared in the Preliminary Design. The Drawings will be prepared in AutoCAD using a 24" x 36" drawing format. Topographic survey will be utilized for the generation of the drawing base sheets.

The following numbers and types of sheets are anticipated in the drawings:

1. Cover sheet and General Notes (5 sheets)
2. Hydraulic profile and Influent piping plan and profile (10 sheets)
3. Civil Site Plans (40 sheets)
4. Mechanical Plans (65 sheets)
5. Architectural (50 sheets)
6. Structural Sheets (80 sheets)
7. Electrical Power (60 sheets)
8. Instrumentation and Controls (10 sheets)

The Engineer will prepare permit applications and documents for MDEQ, the Corps of Engineers and local building permits. The Engineer will respond to the requests for additional information from the agencies.

The Engineer will coordinate the work elements of this project with the City as described herein and will attend up to three design meetings during Final Design phase.

The Technical Specifications will be added as part of a Project Manual. A set of standard front-end Contract Documents will be developed including required documents if SRF is obtained. The City shall review the Project Manual and provide revision comments where deemed necessary.

The Engineer will prepare and submit an estimate of probable construction cost for the project at the 90% and 100% design level. The estimate will include a cost breakdown with base bid and alternate additions, as needed.

The Engineer will submit five (5) sets of plans and specifications to the City for review at the 90% and 100% completion levels. The City will review the plans and provide review comments to the Engineer. The Engineer will address all City comments.

Final Design phase services are anticipated to last twelve consecutive months. The Final Design phase will be complete upon delivery of the revised plans and specifications to the City and receipt of approval of the Plans and Specifications from MDEQ.

Wastewater Treatment Facility Site Preparation – Design Phase

It is anticipated that an initial construction project will be required in order to prepare the site for the new Treatment Facility to expedite the construction schedule. Following completion of the Engineering Design and Process Report and the City's selection for the location of the new Facility, the Engineer will develop Plans and Specifications suitable for public bidding to select a contractor to perform any required work including, but not limited to, installation of any necessary structures to allow dewatering of a portion of a lagoon cell, dewatering, sludge removal, site preparation, construction of access road(s), clearing and grubbing of a new site, and installation of any temporary utilities. Permitting activities including MDEQ and the Corps of Engineers, as related to this initial site preparation, will be included in the this design phase.

Upon completion of the Engineering Design and Process Report, the scope and services for the Design Phase will be fully developed and this Task Order will be amended.

Lagoon Closure Master Plan
Upon completion of the new Wastewater Treatment Facility, the City intends to partially or fully close the existing South Treatment Lagoon, depending upon the design and the requirements of the new Facility. While conceptual costs have previously been developed and the depths of the sludge in the existing lagoons have been measured, no additional planning work or engineering has been performed in order determine the ultimate use or re-use of the Lagoon site or determine the most economical method of closure. Also, a significant amount of discussion is required with MDEQ to ensure that it will approve the City's intended closure plan and re-use of the property.

The Engineer will evaluate closing the existing lagoon system as a result of the transition to the new Wastewater Treatment Facility. This report is to propose methods for decommissioning the facilities including proposed scheduling in coordination with the new Wastewater Treatment Facility construction and necessary permitting required for closure. Alternatives for the re-purposing of the Lagoon site will be developed and reviewed with the City. The City will select the alternatives that are considered to be the most appealing and three public hearings will be conducted in order to solicit public comments for each alternative. Conceptual construction cost estimates will be developed for the recommended closure method and for each of the selected alternatives.

Phase C - Wastewater Treatment Facility Bid and Construction Phase Services (To be Negotiated)

The City will, in writing, authorize the Engineer to proceed with the Bid and Construction phase services. The following scope of services outlines the tasks to be completed by the Engineer during bidding. The City will advertise the construction project and the Engineer will distribute bidding documents. One Pre-Bid meeting will be conducted by the City in order to allow prospective bidders to inspect the project site and directly ask questions related to the Project.

The Engineer will answer questions from bidders, provide clarifications, and prepare responses to be included in addenda. The responses will be submitted to the City for concurrence. The Engineer will package the responses into addenda documents and provide a copy of the addenda to all plan holders.

The Engineer will perform a bid evaluation after receipt of the bids. This bid evaluation will include a tabulation of bids, plus a detailed review of the bid package from the three lowest bidders. The review will include an inspection of each bid package for completeness, errors and omissions, evaluation of the listed experience on similar projects, evaluation of other submitted data and review of the references of the three lowest bidders. The Engineer will coordinate with any requirements from funding agencies, as necessary.

Following bid evaluation, the Engineer will prepare and submit a recommendation of Contract Award to the City.

The Engineer will act as the City's representative providing contract management, on-site observation to report upon the Contractor's compliance with the Plans and Specifications, and administrative services required during the construction period. Under this task, the Engineer will:

1. Coordinate communications between the Contractor(s) and the City. On behalf of the City, the Engineer will administer the construction contracts, responding to Contractor's correspondence, and issuing instructions received from the City.
2. Coordinate the Contractor's interactions with the City's staff including coordination of the Contractor's construction plan to minimize disruption of operations at the existing wastewater treatment lagoon and other coordination with the City's staff, as needed.
3. Prepare for and attend monthly coordination conferences with the Contractor(s), any subcontractors and City representatives to coordinate and monitor critical stages or milestones of the project.
4. Prepare and submit up to twenty-four monthly progress reports to the City detailing the status of the construction project. These reports will address work completed during the previous month, work planned to be accomplished during the coming month, issues requiring the City staff's attention, and other project related information. The progress reports will include a review of the Contractor's updated construction schedules showing the status of individual components of each construction project, and indicating whether the Contractor is on time and the project is proceeding as planned.
5. Maintain document control files with correspondence, reports, daily logs, progress reports, testing results, etc., pertaining to the construction contract.
6. Coordinate and monitor the efforts and activities of the Engineer's sub-consultants.

After the City awards the contract, the Engineer will prepare conformed Contract Documents for execution by the Contractor and the City. The Engineer will collate and package the plans, specifications, and front-end documents into the Project Manuals, and conform the Contract Documents with respect to addenda that may be issued during the bidding phase. The Engineer will prepare half-sized and full-sized drawings of the conformed plans for field use by the Contractor(s) and City staff.

The Engineer will distribute copies of the Conformed Contract Documents with half-sized and full-sized drawings to the City and the Contractor(s) at the Pre-Construction Conference. Five (5) copies of half-sized and five (5) copies of full-sized reproducible drawings will be provided to the Contractor.

The Engineer will schedule, attend and conduct a Pre-Construction Conference for each of the Project(s). The Engineer will prepare a notice of meeting and transmit to the City and Contractor. The Engineer will prepare an agenda prior to the conference and prepare meeting minutes after the conference. The minutes will document the meeting including

any City decisions and directions to the Contractor. Copies of the minutes will be sent to all attendees and other involved parties.

The Contractor(s) will be required to attend the Pre-Construction Conference and provide a preliminary project schedule and a preliminary submittal log of shop drawings at the meeting. The Engineer will review the Contractor's project schedule and note corrections or modifications necessary and return to the Contractor for finalization. The Engineer will review the Contractor's preliminary submittal log for completeness in accordance with the Contract Documents. The Engineer will note any corrections or modifications necessary and return to the Contractor for finalization.

The Engineer will review shop drawings and O&M manuals that are submitted by the Contractor(s) for construction of each Capital Improvement Project. Activities for this task include: maintaining a submittal log; reviewing shop drawings and O&M manuals; determining the acceptability of substitute materials and spare parts proposed by the Contractor; providing review comments; and transmitting copies of accepted shop drawings and O&M manuals to the City and the Contractor(s).

The Engineer will provide the services of a full time Resident Field Engineer and Resident Observer(s) to coordinate and observe the overall progress and quality of the executed work performed by the Contractor(s) and determine, in general, if such work is proceeding in accordance with the Contract Documents, construction plans & specifications, and construction schedules. On the basis of such observations, the Engineer will correspond with the City regarding any concerns regarding the quality and progress of the executed work.

The Engineer will issue interpretations and clarifications, and prepare drawings in response to Requests for Information (RFIs) from the Contractor. The Engineer will provide general technical information and additional data or drawings to the Contractor to resolve unforeseen conditions encountered during construction and provide clarifications and interpretations of the Contract Documents. When an RFI results in possible changes to the work, the Engineer will prepare a Request for Proposal (RFP) and obtain a proposal from the Contractor. The Engineer will be responsible for processing and tracking RFIs, RFPs and proposals. The Engineer will have the primary responsibility for responding to RFIs and will evaluate, provide a recommendation and process RFPs and proposals for each contract.

The Engineer will evaluate specific problems or unusual circumstances that may arise. The Engineer will have the authority, as City's representative, to require special inspections and/or testing of the work; act as initial interpreter of the requirements of the Contract Documents; and evaluate the acceptability of the work performed by the Contractor. The Engineer will advise the City of potential claims by City or Contractor relating to the acceptability of the work or the requirements of the Contract Documents pertaining to the execution and progress of the work.

The Engineer will conduct weekly construction progress meetings with the Contractor(s) and City representatives. The purpose of the meetings will be to review Contractor's progress during the previous week, discuss work items for the coming week, coordinate with Contractor and subcontractors on-site, coordinate with City Operation staff, discuss and resolve construction activity issues, material testing schedule, and other project related issues.

The Engineer's Resident Field Engineer and Resident Observer(s) will attend progress meetings, weekly or as otherwise scheduled, with the Contractor(s) and City. The Engineer's Geotechnical Subconsultant and representatives from materials testing firm, manufacturers of equipment, as well as City Operation staff will be invited, when necessary, to attend the weekly construction meetings in order to facilitate communication and coordination between the parties.

Following each construction progress meeting, the Engineer will prepare draft meeting minutes, and submit to the City, Contractor, other attendees and involved parties for review and comment. Wording of the final meeting minutes will be approved at the next construction progress meeting and final copies will be distributed to the City, Contractor, other attendees and involved parties.

The Engineer will have primary responsibility for reviewing the Contractor's initial construction schedule and monthly updates. The Engineer will assist the City with the processing of monthly pay request(s). The Engineer will compare the project status indicated by the progress schedule to the payment amount requested by the Contractor and make a recommendation to the City, in writing, regarding the appropriateness of the pay request. The Engineer's opinion will be based on the observations of the Resident Observer(s), weekly progress meetings, information provided by the City, and review of data accompanying the pay request including stored materials lists.

A Change Order is required whenever there is a change in the Work as defined by the Contract Documents that results in a change in the Contract Amount and/or the Contract Time. The Engineer will assist the City with the preparation and processing of Change Orders. The Engineer will prepare Change Order Forms and make revisions to the Drawings or Specifications as necessary with City concurrence.

The Engineer will coordinate and participate in a Substantial Completion Site Review. Following the Review, the Engineer will prepare a list of items of work remaining. Following notification by the Contractor that the work is complete and remaining work items have been addressed, the Engineer will coordinate and participate in a Final Project Site Review to determine if the work is complete in accordance with the requirements of the Contract Documents. Based on satisfactory results of the Final Project Site Review, the Engineer will recommend, in writing, final payment to the Contractor and give written notice to the City and the Contractor that the work is complete in accordance with the Contract Documents.

The Engineer will obtain certified as-built drawings from the Contractor and the Contractor's licensed surveyor, and prepare Record Drawings based on the information received. The Engineer will coordinate with the Contractor and the City throughout the construction period and review updated as-built drawings on a monthly basis. The Engineer will not perform survey services during construction to verify the accuracy of the as-built records received from the Contractor. The Engineer will provide the City with signed and sealed Record Drawings, and a CD-ROM of the Record Drawings in AutoCad and PDF format with a directory of contents.

The Engineer will compile construction data, record drawings, and prepare Certifications of Construction Completion for the Project. The Engineer will also prepare a Final Letter of Map Revision to the Federal Emergency Management Agency (FEMA) for the completed project.

The Engineer will provide the services of a professional to assist and oversee the start-up of the Wastewater Treatment Facility. This work will include initially monitoring the system balance and start-up of the process equipment by each respective vendor. The Engineer will also coordinate City staff training with each vendor and consolidation of O&M Manuals. Further, the Engineer will provide three (3) weeks of on-site plant observation and consultation with the City during the initial week of feeding raw wastewater to the facility. Afterwards, the Engineer will visit the facility once per week for eight (8) weeks to check on plant operation.

The Engineer will provide full-time administration, observation and clerical support services during the construction of the project. In addition, the Engineer will provide part-time Technical Services on an as needed basis if requested by the City to supplement the Engineer's Resident Field Engineer and Resident Observer(s) during critical construction periods. The Resident Field Engineer will provide onsite technical support to the City during construction and the administrative assistant will provide onsite clerical support for both the Engineer and City.

The Resident Field Engineer will assist the Engineer's Project Manager during the project by:

1. Serving as an onsite point of contact for the Contractor(s), and the City's Staff.
2. Coordinating and supervising the onsite activities of the Engineer's personnel and subconsultants.
3. Coordinate the Contractor's interactions with the City's Staff.
4. Coordinating communications between the Contractor(s) and the City including coordinating the preparation of responses to Contractor's correspondence.
5. Receiving RFI's, RFQ's, and proposals, and distributing them to the appropriate staff for logging, review and processing.
6. Serving as a point of initial response for Contractor RFI's
7. Scheduling QA testing, periodic site visits, performance testing, start-up testing, pre-installation conferences, Substantial and Final Project Reviews, and pre-installation or specialty conferences.

8. Coordinating the Substantial and Final Project Reviews and assisting with the preparation of a list of remaining work items.
9. Preparing for and attending pre-construction conferences, construction progress meetings, and pre-installation or specialty conferences.
10. Coordinating and assisting with the review of the Contractor's Construction Progress Schedule updates and monthly pay requests.
11. Coordinating the preparation of monthly progress reports to the City.

The Engineer will provide full-time Resident Observer(s) to observe the Contractor's construction and to verify that the Project is constructed in accordance with the conformed plans and specifications. The Observer(s) will perform, and complete the following activities and services:

1. Attend meetings with the City and Contractor, such as weekly and monthly progress meetings, pre-installation or specialty conferences and other project-related meetings.
2. Coordinate his duties with the City's project staff, and assist with the on-site observations of the work in progress to determine if the work is, in general, proceeding in accordance with the Contract Documents.
3. Report to the Resident Field Engineer and report to him and the City's Project staff whenever the Observer believes that any work is unsatisfactory, faulty or defective; does not conform to the Contract Documents; has been damaged; or does not meet the requirements of any inspection, test or approval required to be made. The Observer will advise the Resident Field Engineer and City's Project Staff of work that should be corrected or rejected; uncovered for observation; or requires special testing, inspection or approval.
4. Coordinate the efforts and activities of the testing subconsultants and review test results.

The Engineer's Observation services may be performed during simultaneous construction activities.

The Engineer's Observer will observe performance and start-up testing of pumps, generators, HVAC systems, air compressors, process equipment, pump and tank level control systems, and other equipment and systems as required by the Contract Documents. When appropriate, the Resident Observer will observe the performance and start-up tests. When specialized experience or expertise is needed, the Resident Field Engineer will schedule the appropriate personnel to observe the testing.

The Engineer will provide the services of a soils and materials firm to provide compaction, concrete and asphalt testing as required to provide a quality assurance check that the Contractor's testing results complies with the specifications. Testing fees will be listed as a not to exceed amount based upon the number of tests anticipated.

Deliverables

1. Ten (10) sets of conformed Contract Documents with half-sized drawings at the pre-construction conference

2. Ten (10) sets of full-sized conformed drawings at the pre-construction conference
3. Five (5) sets of full-sized signed and sealed record drawings
4. Five (5) sets of half-sized record drawings copies for distribution to City staff
5. One (1) electronic file of Record Drawings on CD-ROM with a directory of contents

Wastewater Treatment Facility Operational Support

The Engineer will provide support to the City regarding staffing and training of the new Wastewater Treatment Facility. Specific detailed tasks and scope will be developed based upon the City's preferences for operation of the Facility and this Task Order will be amended to include those services.

Task Order Schedule

Each of the Tasks associated with this Task Order will be conducted concurrently in order to provide the maximum level of support to the City and expedite the overall Project schedule.

Task	*Estimated Time for Completion*	*Estimated Time to Completion from Task Order Approval*
Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design		
Influent Testing Program	6 months	6 months
Geotechnical Investigation	6 months	6 months
Topographic Survey	3 months	6 months
Preliminary Design	9 months	9 months
SRF Facilities Plan and Loan Application	6 months	6 months
DBO Model Program Development	3 months	6 months
Local Workforce Involvement Model Program Development	3 months	6 months
Phase B - Wastewater Treatment Facility Design and Permitting		
Final Design - Wastewater Treatment Facility	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Site Preparation – Design Phase	To be Negotiated	To be Negotiated
Lagoon Closure Master Plan	To be Negotiated	To be Negotiated
Phase C - Wastewater Treatment Facility Bid and Construction Phase Services		
Bid Phase Services	To be Negotiated	To be Negotiated
Construction Phase Services	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Operational Support	To be Negotiated	To be Negotiated

Task Order Fee Schedule

Task	*Fee Terms*	*Fee Authorization*
Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design		
Influent Testing Program	Hourly, Not-To-Exceed	$250,000
Geotechnical Investigation	Hourly, Not-To-Exceed	$200,000
Topographic Survey	Hourly, Not-To-Exceed	$132,000
Preliminary Design	Lump Sum	$2,600,000
SRF Facilities Plan and Loan Application	Hourly, Not-To-Exceed	$46,000
DBO Model Program Development	Hourly, Not-To-Exceed	$175,000
Local Workforce Involvement Model Program Development	Hourly, Not-To-Exceed	$90,000
Phase B - Wastewater Treatment Facility Design and Permitting		
Final Design - Wastewater Treatment Facility	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Site Preparation – Design Phase	To be Negotiated	To be Negotiated
Lagoon Closure Master Plan	To be Negotiated	To be Negotiated
Phase C - Wastewater Treatment Facility Bid and Construction Phase Services		
Bid Phase Services	To be Negotiated	To be Negotiated
Construction Phase Services	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Operational Support	To be Negotiated	To be Negotiated
	TOTAL	**$3,493,000**

Please indicate your acceptance of this Task Order by executing both original documents and returning one to our office. Thank you for the opportunity to be of continued service to you.

Sincerely,

NEEL-SCHAFFER, INC.

Joel H. Hudnall, P.E.
Chief Operating Officer

ACCEPTED:

BY: _____

DATE: _____

NEEL-SCHAFFER
Solutions you can build upon

engineers
planners
surveyors
environmental scientists
landscape architects

August 26, 2014

Mayor Johnny L. DuPree, PhD
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Re: SOUTH LAGOON WASTEWATER TREATMENT PLANT
PROCESS SELECTION AND DESIGN
TASK ORDER #7

Dear Mayor DuPree:

As you requested, Neel-Schaffer, Inc. is pleased to provide this Task Order for services related to the design and construction of a new wastewater treatment facility to replace the existing South Lagoon Wastewater Treatment Plant. Specifically, this Task Order only authorizes preliminary Engineering Services and other associated tasks. This Task Order will be amended to authorize final design and construction phase services. All services related to this Task Order will be considered to be Type 2 services in accordance with our current Agreement for Professional Services with the City of Hattiesburg.

Background

On July 19, 2011, The City of Hattiesburg (City) entered into an agreement with Neel-Schaffer, Inc. (Engineer) to provide Engineering services. The City has requested the Engineer prepare a task order for the design, permitting, and construction administration of a new City wastewater treatment facility (Facility) based upon a form of mechanical treatment facility (to be selected by the City) with a discharge to the Leaf River. The City has also entered into an Agreed Order to proceed with the design of a new treatment facility. This authorization is intended to intended to initiate the design immediately due to the Order's schedule and consider all feasible treatment processes to meet current and future flows and discharge requirements.

Key services that will be performed in relation to the design and construction of the new treatment facility include:

1. Overall Program Management services to the City will be included within each task. No separate task or fee will be charged to the City for Program Management;
2. Process selection for the new Facility. The Engineer will consider processes that are considered to represent a full mechanical Facility, processes that are partially mechanical (effluent polishing), and other processes and technologies that have an established record of performance and will meet the City's treatment requirements.

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3. Required soil borings and analysis and topographic survey services required to initiate design;
4. Preparation of a Facilities Plan to request construction monies thru the Mississippi Department of Environment Quality (MDEQ) State Revolving Loan Fund (SRF) program;
5. Assisting the City in developing program(s) to enhance the opportunities for the local participation in the Project's construction;
6. Review of alternative project delivery methods, including design-build, with recommendations to the City for alternatives that may reduce cost and/or accelerate completion of construction.

This Task Order specifies all identified tasks to design, bid, and provide support services during the construction of the Facility assuming it will be constructed utilizing a conventional design, bid, build (by a private Contractor) method. This Task Order includes all the reports, work by subconsultants, and the design to develop Preliminary Drawings and Specifications suitable for selection of contractors utilizing a Request for Qualifications as part an alternative project delivery method (design-build, or similar). If the City decides upon an alternative delivery method, the Preliminary Design documents will be used as a template for bidding the alternative construction methods, assuring the City that the construction will meet minimum standards established for the project and MDEQ discharge standards.

The unpriced work tasks are noted in the proposal. Upon the City's determination of the final design and construction method, this Task Order will be amended to either provide fee for unpriced tasks or develop new tasks and fees to reflect changes required to provide Engineering services appropriate to the Project.

SCOPE OF SERVICES

Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design

Engineering Design and Process Report

The Engineer will develop an Engineering Design and Process Report that will serve as the basis for the Engineering design of the Facility. This report will provide a detailed evaluation of treatment processes under consideration, along with an influent flow and loading determination, to develop a specific process design for the new Facility. Further, other process units, such as preliminary treatment and sludge management, will be evaluated and presented with this report. Both capital and operations and maintenance (O&M) costs, in 2014 dollars, will be prepared along with a conceptual design for future upgrades. A summary of required permitting will also be prepared. The information contained in the Report will be used in the State Revolving Loan Fund (SRF) Facilities Plan report as well as the basis for final design of the new facility. The Report will incorporate multiple Technical Memorandums including the following:

Technical Memorandum #1 – Influent Testing Program
The Engineer will prepare a Technical Memorandum to determine the design loads and flows into the new treatment Facility. The purpose of this Memorandum is to more precisely determine the sizing of the treatment process units for the most efficient Facility. The Engineer will conduct sampling of the raw wastewater into the facility along with major industrial sources for a determination of loads. All available flow data at the facility will also be collected and analyzed to determine a proposed flow and loading basis of the new Facility.

Wastewater Constituent Characterization – Wastewater samples will be collected and analyzed for calculation of loadings to the treatment system. Sampling points will include the existing influent lift stations within the City's system and approximately 25 commercial / industrial contributors at the point their wastewater enters the system. These base samples will be collected utilizing 24-hour composite and grab samples for a period not less than 180 calendar days. The constituents analyzed in the base samples will include: chemical oxygen demand (COD), 5-day biological oxygen demand (BOD_5), acidity(pH), alkalinity, total suspended solids (TSS), ammonia nitrogen (NH_3-N), total kjeldahl nitrogen (TKN), total nitrogen TN, sulfides, and phosphorus (P). Additional air sampling will be conducted to measure hydrogen sulfide (H_2S) and mercaptans at selected sites within the collection system. In addition, a grab sample will be taken at each sample point for purposes of identifying priority pollutants, heavy metals, pathogens, refractory organics, and dissolved inorganics.

Wastewater Flow Monitoring – The City has invested in equipment to monitor flows at the existing South Lagoon and conducted a Flow Monitoring Study as part of the ongoing COMSWIP program. The Engineer will utilize all existing information the City has available to determine the design flows for the new Facility. As part of the sampling program, limited additional flow monitoring will be conducted on an as-needed basis to determine influent loading from the sample results.

The Engineer will collect all data from the sampling and the flow monitoring after the first 30 days and issue a preliminary Memorandum in order to establish baselines for both influent loading and flow rates. The Engineer shall issue supplementary Memorandums during the sampling period to document additional results as they become available.

Technical Memorandum #2 - Flood Elevations and Protections
Due to the investment in this facility and location within the Leaf River flood plain, the Engineer will conduct a flood study of the Leaf River in the vicinity of the existing lagoons and proposed new wastewater treatment facility. This study will determine the necessary elevation of the facility and process units to continue operations and meet the requirements contained in the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10) entitled "Mapping of Areas Protected by Levee Systems".

Technical Memorandum #3 - Site Review and Selection
The Engineer will review the recommendations contained in the Nutrient Study dated December 15, 2011 to construct the new Facility within one of the existing lagoon cells and consider any additional costs or savings to construct the Facility on another property immediately adjacent to the existing lagoon treatment facility. The Memorandum will also consider impacts upon the proposed design and construction schedule. The Engineer will review the findings contained in the report with the City and provide a recommendation for the final selection of a site for the new Facility.

The Engineer will submit each of the Technical Memorandums to the City for review. The City will review each of the Memorandums and provide review comments to the Engineer. The Engineer will address all City comments and return a copy of the revised Memorandum for City records. Upon completion of the Design and Process Report, the Engineer will submit the complete Report to the City for Review. The City will review the Report and provide review comments to the Engineer. The Engineer will address all City comments and return the revised final Report for City records.

Geotechnical Investigation
The Engineer will provide and coordinate the services of a qualified Geotechnical subconsultant to perform a detailed geotechnical investigation within the project area and to further explore subsurface conditions at the proposed wastewater treatment facility site and ancillary pipelines. Field investigations will be performed for collection of pertinent data and information, which will be analyzed to develop recommendations for the final design. The Engineer will review the geotechnical reports and confirm that the analysis addresses the needs of the City. Foundation and site design recommendations will also be provided by the geotechnical subconsultant.

The Geotechnical Investigation will be divided into three separate phases:

- Phase 1 – Initial investigation for the site within the existing Lagoon cell: Borings will be conducted outside of the existing levees to produce a cross-section of the geotechnical conditions under the Lagoon. An initial recommendation for foundation designs for the new mechanical Facility will be developed.
- Phase 2 – Initial site investigation: A limited number of borings will be conducted on properties immediately adjacent to the existing Lagoon site in order to determine the suitability of each site for the construction of the new mechanical Facility and any additional costs or cost savings related to the geotechnical conditions of each site.
- Phase 3 – Detailed site investigation: A geotechnical investigation will be conducted on the site the City selects for the construction of the new mechanical Facility. The investigation will be conducted to develop the recommendations necessary to support the final design of the Facility.

Design Topographic Survey
The Engineer will conduct a topographic survey of the existing lagoon site and areas anticipated to be impacted by construction activities. The Engineer will also set permanent benchmarks for the site to be utilized by the construction contractor. Previous surveys

conducted at the existing lagoon will be collected and an additional survey will be conducted, as necessary, to develop a current topographical survey of the Lagoons, existing utilities, and other pertinent topographic features.

Project Delivery Review Memorandum
The Engineer will review alternative project delivery methods for the City's consideration. The review will include relevant examples of similar projects with consideration for reduction of costs and effects on overall project schedules. Special legal counsel will be included to provide a review of compliance of any recommended alternative methods with the State Procurement Regulations and any legal requirements to implement certain methods.

The Engineer will submit the Project Delivery Review Memorandum to the City. The City will review the Memorandum and provide review comments to the Engineer. The Engineer will address all City comments and return a copy of the revised Memorandum for City records. The Engineer will be available to assist the City in the selection of the project delivery method throughout the Preliminary Design Phase. The City acknowledges the necessity to commit to a delivery method prior to completion of the Preliminary Design Phase in order to make any amendments, if necessary, to this Task Order and allow the Engineer to proceed with Final Design.

Preliminary Design - Wastewater Treatment Facility
Preliminary Design plans and technical specifications for the City's consideration will be developed utilizing the Design Report. The intent is to provide sufficient technical detail for a qualifications based selection of contractors should the City decide to select an alternative method for project delivery.

The Preliminary Design, at this project completion level, will include the following:

1. Drawings with preliminary site grading including internal and external access;
2. Meet with regulatory agencies to discuss submittal and permitting requirements;
3. Preliminary main process hydraulic profile and one-line process diagrams of all sidestreams;
4. Preliminary yard piping plans and routing of existing wastewater flows to the new Facility;
5. Process units in plan and profile view;
6. Plan, cross-sections, and initial architectural renderings of all buildings;
7. Fencing and landscaping limits;
8. Power supply and distribution schematics both internal and external to the site;
9. Instrumentation and control concepts;
10. Structural plans and cross-sections showing preliminary wall thicknesses.

Expected number of plans sheets for this work is anticipated as follows:

1. Cover sheet and General Notes (3 sheets)
2. Hydraulic Profile and Influent Piping Plan and Profile (5 sheets)
3. Civil Site Plans (10 sheets)
4. Mechanical Plans (30 sheets)

5. Architectural (Operations, Power, Standby Generator, Disinfection, Maintenance Buildings (15 sheets)
6. Structural Sheets (20 sheets)
7. Electrical Power (10 sheets)
8. Instrumentation and Controls (3 sheets)

Preliminary Technical Specifications will be for all process and pumping systems along with proposed power and instrumentation and control systems. Structural standards will also be provided.

The Engineer will prepare and submit a preliminary estimate of probable construction cost for the construction of the Facility, reflective of the progress made in the design. The estimate will include a cost breakdown with base bid and alternate additions, as needed.

The Engineer will submit five (5) sets of Preliminary plans and specifications to the City for review. The City will review the plans and provide review comments to the Engineer. The Engineer will address all City comments and return five (5) revised sets for City records.

Preliminary Design phase services are anticipated to last nine consecutive months. The Preliminary Design phase will be complete upon delivery of the revised Preliminary plans and specifications to the City.

SRF Facilities Plan and Loan Application Documents
Currently, the only identified funding program to support the City's design and construction of the planned Facilities is the SRF Program offered by MDEQ. As the City has already submitted the required Ranking Form to the SRF Program in order to be listed as an eligible project in the Program's planning documents, the Engineer will continue to support the City's application to the Program in the event that other sources of funding do not become available.

The Engineer will assemble an SRF Facilities Plan for each anticipated construction project, in accordance with the guidelines and requirements of the SRF Program. Each Facilities Plan will include a review of previous Engineering reports, inclusion of the latest probable estimates of project cost, and the development of a draft user charge system to comply with SRF program requirements. We will also administer one (1) public comment hearing in accordance with SRF program requirements.

Required application documents will be assembled for each anticipated construction project, in accordance with the guidelines and requirements of the SRF Program. The Engineer will be available to meet with representatives of the SRF Program, as necessary, to support the City's applications.

DBO Model Program Development
The Engineer will assist the City of Hattiesburg in the development of a Disadvantaged Business Organization (DBO) program. The program will be aimed at maximizing outreach to DBO certified companies in order to educate them concerning opportunities for

involvement in the overall Project and assist them in offering their applicable services to Project contractors. It is the goal of the Engineer to create a meaningful and sustainable DBO process by providing the following services:

1. Review DBO programs currently in use by other governmental agencies to assist in the development of a model DBO program for the City's consideration;
2. Implementation of the model DBO program adopted by City for the construction projects associated with the new Facility;
3. Evaluation of the effectiveness and costs associated with the model DBO program for the City's consideration for further implementation.

Local Workforce Involvement Model Program Development

In an effort to increase the economic impact of this project on the local community, the Engineer will assist the City of Hattiesburg in implementing a local workforce involvement program. The following services will be provided in order to establish this program:

1. Develop a Local Involvement Program for the construction of the project
2. Provide outreach to the workforce and businesses located in the City of Hattiesburg
3. Assemble a database of applicable service providers and skilled personnel
4. Assist the City of Hattiesburg in establishing a local involvement goal for the project
5. Oversee program compliance during the construction of the project
6. Collect, compile and analyze data gathered through the implementation of the Local Involvement program in order to report to the City of Hattiesburg

Phase B - Wastewater Treatment Facility Final Design and Permitting (To be Negotiated)

Final Design - Wastewater Treatment Facility

The City will, in writing, authorize the Engineer to proceed with the Final Design phase within thirty calendar days from completion of the Preliminary Design Phase. During the Final Design phase, the Engineer will prepare final construction plans and specifications utilizing the Engineering Design and Process Report and the plans and specifications developed during Preliminary Design. The final construction plans and specifications will be suitable for solicitation for public bids assuming a conventional design and bid process where the City will enter into a contract with a private company (Contractor) to construct the Facility pursuant to the construction documents of the Engineer. It is also assumed the facility will be partially funded by loan funds from the SRF Program.

The Engineer will prepare construction drawings as necessary to depict and describe the wastewater treatment in a clear and concise manner and will be based upon the drawings prepared in the Preliminary Design. The Drawings will be prepared in AutoCAD using a 24" x 36" drawing format. Topographic survey will be utilized for the generation of the drawing base sheets.

The following numbers and types of sheets are anticipated in the drawings:

1. Cover sheet and General Notes (5 sheets)
2. Hydraulic profile and Influent piping plan and profile (10 sheets)
3. Civil Site Plans (40 sheets)
4. Mechanical Plans (65 sheets)
5. Architectural (50 sheets)
6. Structural Sheets (80 sheets)
7. Electrical Power (60 sheets)
8. Instrumentation and Controls (10 sheets)

The Engineer will prepare permit applications and documents for MDEQ, the Corps of Engineers and local building permits. The Engineer will respond to the requests for additional information from the agencies.

The Engineer will coordinate the work elements of this project with the City as described herein and will attend up to three design meetings during Final Design phase.

The Technical Specifications will be added as part of a Project Manual. A set of standard front-end Contract Documents will be developed including required documents if SRF is obtained. The City shall review the Project Manual and provide revision comments where deemed necessary.

The Engineer will prepare and submit an estimate of probable construction cost for the project at the 90% and 100% design level. The estimate will include a cost breakdown with base bid and alternate additions, as needed.

The Engineer will submit five (5) sets of plans and specifications to the City for review at the 90% and 100% completion levels. The City will review the plans and provide review comments to the Engineer. The Engineer will address all City comments.

Final Design phase services are anticipated to last twelve consecutive months. The Final Design phase will be complete upon delivery of the revised plans and specifications to the City and receipt of approval of the Plans and Specifications from MDEQ.

Wastewater Treatment Facility Site Preparation – Design Phase

It is anticipated that an initial construction project will be required in order to prepare the site for the new Treatment Facility to expedite the construction schedule. Following completion of the Engineering Design and Process Report and the City's selection for the location of the new Facility, the Engineer will develop Plans and Specifications suitable for public bidding to select a contractor to perform any required work including, but not limited to, installation of any necessary structures to allow dewatering of a portion of a lagoon cell, dewatering, sludge removal, site preparation, construction of access road(s), clearing and grubbing of a new site, and installation of any temporary utilities. Permitting activities including MDEQ and the Corps of Engineers, as related to this initial site preparation, will be included in the this design phase.

Upon completion of the Engineering Design and Process Report, the scope and services for the Design Phase will be fully developed and this Task Order will be amended.

Lagoon Closure Master Plan
Upon completion of the new Wastewater Treatment Facility, the City intends to partially or fully close the existing South Treatment Lagoon, depending upon the design and the requirements of the new Facility. While conceptual costs have previously been developed and the depths of the sludge in the existing lagoons have been measured, no additional planning work or engineering has been performed in order determine the ultimate use or re-use of the Lagoon site or determine the most economical method of closure. Also, a significant amount of discussion is required with MDEQ to ensure that it will approve the City's intended closure plan and re-use of the property.

The Engineer will evaluate closing the existing lagoon system as a result of the transition to the new Wastewater Treatment Facility. This report is to propose methods for decommissioning the facilities including proposed scheduling in coordination with the new Wastewater Treatment Facility construction and necessary permitting required for closure. Alternatives for the re-purposing of the Lagoon site will be developed and reviewed with the City. The City will select the alternatives that are considered to be the most appealing and three public hearings will be conducted in order to solicit public comments for each alternative. Conceptual construction cost estimates will be developed for the recommended closure method and for each of the selected alternatives.

Phase C - Wastewater Treatment Facility Bid and Construction Phase Services (To be Negotiated)

The City will, in writing, authorize the Engineer to proceed with the Bid and Construction phase services. The following scope of services outlines the tasks to be completed by the Engineer during bidding. The City will advertise the construction project and the Engineer will distribute bidding documents. One Pre-Bid meeting will be conducted by the City in order to allow prospective bidders to inspect the project site and directly ask questions related to the Project.

The Engineer will answer questions from bidders, provide clarifications, and prepare responses to be included in addenda. The responses will be submitted to the City for concurrence. The Engineer will package the responses into addenda documents and provide a copy of the addenda to all plan holders.

The Engineer will perform a bid evaluation after receipt of the bids. This bid evaluation will include a tabulation of bids, plus a detailed review of the bid package from the three lowest bidders. The review will include an inspection of each bid package for completeness, errors and omissions, evaluation of the listed experience on similar projects, evaluation of other submitted data and review of the references of the three lowest bidders. The Engineer will coordinate with any requirements from funding agencies, as necessary.

Following bid evaluation, the Engineer will prepare and submit a recommendation of Contract Award to the City.

The Engineer will act as the City's representative providing contract management, on-site observation to report upon the Contractor's compliance with the Plans and Specifications, and administrative services required during the construction period. Under this task, the Engineer will:

1. Coordinate communications between the Contractor(s) and the City. On behalf of the City, the Engineer will administer the construction contracts, responding to Contractor's correspondence, and issuing instructions received from the City.
2. Coordinate the Contractor's interactions with the City's staff including coordination of the Contractor's construction plan to minimize disruption of operations at the existing wastewater treatment lagoon and other coordination with the City's staff, as needed.
3. Prepare for and attend monthly coordination conferences with the Contractor(s), any subcontractors and City representatives to coordinate and monitor critical stages or milestones of the project.
4. Prepare and submit up to twenty-four monthly progress reports to the City detailing the status of the construction project. These reports will address work completed during the previous month, work planned to be accomplished during the coming month, issues requiring the City staff's attention, and other project related information. The progress reports will include a review of the Contractor's updated construction schedules showing the status of individual components of each construction project, and indicating whether the Contractor is on time and the project is proceeding as planned.
5. Maintain document control files with correspondence, reports, daily logs, progress reports, testing results, etc., pertaining to the construction contract.
6. Coordinate and monitor the efforts and activities of the Engineer's sub-consultants.

After the City awards the contract, the Engineer will prepare conformed Contract Documents for execution by the Contractor and the City. The Engineer will collate and package the plans, specifications, and front-end documents into the Project Manuals, and conform the Contract Documents with respect to addenda that may be issued during the bidding phase. The Engineer will prepare half-sized and full-sized drawings of the conformed plans for field use by the Contractor(s) and City staff.

The Engineer will distribute copies of the Conformed Contract Documents with half-sized and full-sized drawings to the City and the Contractor(s) at the Pre-Construction Conference. Five (5) copies of half-sized and five (5) copies of full-sized reproducible drawings will be provided to the Contractor.

The Engineer will schedule, attend and conduct a Pre-Construction Conference for each of the Project(s). The Engineer will prepare a notice of meeting and transmit to the City and Contractor. The Engineer will prepare an agenda prior to the conference and prepare meeting minutes after the conference. The minutes will document the meeting including

any City decisions and directions to the Contractor. Copies of the minutes will be sent to all attendees and other involved parties.

The Contractor(s) will be required to attend the Pre-Construction Conference and provide a preliminary project schedule and a preliminary submittal log of shop drawings at the meeting. The Engineer will review the Contractor's project schedule and note corrections or modifications necessary and return to the Contractor for finalization. The Engineer will review the Contractor's preliminary submittal log for completeness in accordance with the Contract Documents. The Engineer will note any corrections or modifications necessary and return to the Contractor for finalization.

The Engineer will review shop drawings and O&M manuals that are submitted by the Contractor(s) for construction of each Capital Improvement Project. Activities for this task include: maintaining a submittal log; reviewing shop drawings and O&M manuals; determining the acceptability of substitute materials and spare parts proposed by the Contractor; providing review comments; and transmitting copies of accepted shop drawings and O&M manuals to the City and the Contractor(s).

The Engineer will provide the services of a full time Resident Field Engineer and Resident Observer(s) to coordinate and observe the overall progress and quality of the executed work performed by the Contractor(s) and determine, in general, if such work is proceeding in accordance with the Contract Documents, construction plans & specifications, and construction schedules. On the basis of such observations, the Engineer will correspond with the City regarding any concerns regarding the quality and progress of the executed work.

The Engineer will issue interpretations and clarifications, and prepare drawings in response to Requests for Information (RFIs) from the Contractor. The Engineer will provide general technical information and additional data or drawings to the Contractor to resolve unforeseen conditions encountered during construction and provide clarifications and interpretations of the Contract Documents. When an RFI results in possible changes to the work, the Engineer will prepare a Request for Proposal (RFP) and obtain a proposal from the Contractor. The Engineer will be responsible for processing and tracking RFIs, RFPs and proposals. The Engineer will have the primary responsibility for responding to RFIs and will evaluate, provide a recommendation and process RFPs and proposals for each contract.

The Engineer will evaluate specific problems or unusual circumstances that may arise. The Engineer will have the authority, as City's representative, to require special inspections and/or testing of the work; act as initial interpreter of the requirements of the Contract Documents; and evaluate the acceptability of the work performed by the Contractor. The Engineer will advise the City of potential claims by City or Contractor relating to the acceptability of the work or the requirements of the Contract Documents pertaining to the execution and progress of the work.

The Engineer will conduct weekly construction progress meetings with the Contractor(s) and City representatives. The purpose of the meetings will be to review Contractor's progress during the previous week, discuss work items for the coming week, coordinate with Contractor and subcontractors on-site, coordinate with City Operation staff, discuss and resolve construction activity issues, material testing schedule, and other project related issues.

The Engineer's Resident Field Engineer and Resident Observer(s) will attend progress meetings, weekly or as otherwise scheduled, with the Contractor(s) and City. The Engineer's Geotechnical Subconsultant and representatives from materials testing firm, manufacturers of equipment, as well as City Operation staff will be invited, when necessary, to attend the weekly construction meetings in order to facilitate communication and coordination between the parties.

Following each construction progress meeting, the Engineer will prepare draft meeting minutes, and submit to the City, Contractor, other attendees and involved parties for review and comment. Wording of the final meeting minutes will be approved at the next construction progress meeting and final copies will be distributed to the City, Contractor, other attendees and involved parties.

The Engineer will have primary responsibility for reviewing the Contractor's initial construction schedule and monthly updates. The Engineer will assist the City with the processing of monthly pay request(s). The Engineer will compare the project status indicated by the progress schedule to the payment amount requested by the Contractor and make a recommendation to the City, in writing, regarding the appropriateness of the pay request. The Engineer's opinion will be based on the observations of the Resident Observer(s), weekly progress meetings, information provided by the City, and review of data accompanying the pay request including stored materials lists.

A Change Order is required whenever there is a change in the Work as defined by the Contract Documents that results in a change in the Contract Amount and/or the Contract Time. The Engineer will assist the City with the preparation and processing of Change Orders. The Engineer will prepare Change Order Forms and make revisions to the Drawings or Specifications as necessary with City concurrence.

The Engineer will coordinate and participate in a Substantial Completion Site Review. Following the Review, the Engineer will prepare a list of items of work remaining. Following notification by the Contractor that the work is complete and remaining work items have been addressed, the Engineer will coordinate and participate in a Final Project Site Review to determine if the work is complete in accordance with the requirements of the Contract Documents. Based on satisfactory results of the Final Project Site Review, the Engineer will recommend, in writing, final payment to the Contractor and give written notice to the City and the Contractor that the work is complete in accordance with the Contract Documents.

The Engineer will obtain certified as-built drawings from the Contractor and the Contractor's licensed surveyor, and prepare Record Drawings based on the information received. The Engineer will coordinate with the Contractor and the City throughout the construction period and review updated as-built drawings on a monthly basis. The Engineer will not perform survey services during construction to verify the accuracy of the as-built records received from the Contractor. The Engineer will provide the City with signed and sealed Record Drawings, and a CD-ROM of the Record Drawings in AutoCad and PDF format with a directory of contents.

The Engineer will compile construction data, record drawings, and prepare Certifications of Construction Completion for the Project. The Engineer will also prepare a Final Letter of Map Revision to the Federal Emergency Management Agency (FEMA) for the completed project.

The Engineer will provide the services of a professional to assist and oversee the start-up of the Wastewater Treatment Facility. This work will include initially monitoring the system balance and start-up of the process equipment by each respective vendor. The Engineer will also coordinate City staff training with each vendor and consolidation of O&M Manuals. Further, the Engineer will provide three (3) weeks of on-site plant observation and consultation with the City during the initial week of feeding raw wastewater to the facility. Afterwards, the Engineer will visit the facility once per week for eight (8) weeks to check on plant operation.

The Engineer will provide full-time administration, observation and clerical support services during the construction of the project. In addition, the Engineer will provide part-time Technical Services on an as needed basis if requested by the City to supplement the Engineer's Resident Field Engineer and Resident Observer(s) during critical construction periods. The Resident Field Engineer will provide onsite technical support to the City during construction and the administrative assistant will provide onsite clerical support for both the Engineer and City.

The Resident Field Engineer will assist the Engineer's Project Manager during the project by:

1. Serving as an onsite point of contact for the Contractor(s), and the City's Staff.
2. Coordinating and supervising the onsite activities of the Engineer's personnel and subconsultants.
3. Coordinate the Contractor's interactions with the City's Staff.
4. Coordinating communications between the Contractor(s) and the City including coordinating the preparation of responses to Contractor's correspondence.
5. Receiving RFI's, RFQ's, and proposals, and distributing them to the appropriate staff for logging, review and processing.
6. Serving as a point of initial response for Contractor RFI's
7. Scheduling QA testing, periodic site visits, performance testing, start-up testing, pre-installation conferences, Substantial and Final Project Reviews, and pre-installation or specialty conferences.

8. Coordinating the Substantial and Final Project Reviews and assisting with the preparation of a list of remaining work items.
9. Preparing for and attending pre-construction conferences, construction progress meetings, and pre-installation or specialty conferences.
10. Coordinating and assisting with the review of the Contractor's Construction Progress Schedule updates and monthly pay requests.
11. Coordinating the preparation of monthly progress reports to the City.

The Engineer will provide full-time Resident Observer(s) to observe the Contractor's construction and to verify that the Project is constructed in accordance with the conformed plans and specifications. The Observer(s) will perform, and complete the following activities and services:

1. Attend meetings with the City and Contractor, such as weekly and monthly progress meetings, pre-installation or specialty conferences and other project-related meetings.
2. Coordinate his duties with the City's project staff, and assist with the on-site observations of the work in progress to determine if the work is, in general, proceeding in accordance with the Contract Documents.
3. Report to the Resident Field Engineer and report to him and the City's Project staff whenever the Observer believes that any work is unsatisfactory, faulty or defective; does not conform to the Contract Documents; has been damaged; or does not meet the requirements of any inspection, test or approval required to be made. The Observer will advise the Resident Field Engineer and City's Project Staff of work that should be corrected or rejected; uncovered for observation; or requires special testing, inspection or approval.
4. Coordinate the efforts and activities of the testing subconsultants and review test results.

The Engineer's Observation services may be performed during simultaneous construction activities.

The Engineer's Observer will observe performance and start-up testing of pumps, generators, HVAC systems, air compressors, process equipment, pump and tank level control systems, and other equipment and systems as required by the Contract Documents. When appropriate, the Resident Observer will observe the performance and start-up tests. When specialized experience or expertise is needed, the Resident Field Engineer will schedule the appropriate personnel to observe the testing.

The Engineer will provide the services of a soils and materials firm to provide compaction, concrete and asphalt testing as required to provide a quality assurance check that the Contractor's testing results complies with the specifications. Testing fees will be listed as a not to exceed amount based upon the number of tests anticipated.

Deliverables

1. Ten (10) sets of conformed Contract Documents with half-sized drawings at the pre-construction conference

2. Ten (10) sets of full-sized conformed drawings at the pre-construction conference
3. Five (5) sets of full-sized signed and sealed record drawings
4. Five (5) sets of half-sized record drawings copies for distribution to City staff
5. One (1) electronic file of Record Drawings on CD-ROM with a directory of contents

Wastewater Treatment Facility Operational Support

The Engineer will provide support to the City regarding staffing and training of the new Wastewater Treatment Facility. Specific detailed tasks and scope will be developed based upon the City's preferences for operation of the Facility and this Task Order will be amended to include those services.

Task Order Schedule

Each of the Tasks associated with this Task Order will be conducted concurrently in order to provide the maximum level of support to the City and expedite the overall Project schedule.

Task	*Estimated Time for Completion*	*Estimated Time to Completion from Task Order Approval*
Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design		
Influent Testing Program	6 months	6 months
Geotechnical Investigation	6 months	6 months
Topographic Survey	3 months	6 months
Preliminary Design	9 months	9 months
SRF Facilities Plan and Loan Application	6 months	6 months
DBO Model Program Development	3 months	6 months
Local Workforce Involvement Model Program Development	3 months	6 months
Phase B - Wastewater Treatment Facility Design and Permitting		
Final Design - Wastewater Treatment Facility	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Site Preparation – Design Phase	To be Negotiated	To be Negotiated
Lagoon Closure Master Plan	To be Negotiated	To be Negotiated
Phase C - Wastewater Treatment Facility Bid and Construction Phase Services		
Bid Phase Services	To be Negotiated	To be Negotiated
Construction Phase Services	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Operational Support	To be Negotiated	To be Negotiated

Task Order Fee Schedule

Task	*Fee Terms*	*Fee Authorization*
Phase A - Wastewater Treatment Facility Process Selection and Preliminary Design		
Influent Testing Program	Hourly, Not-To-Exceed	$250,000
Geotechnical Investigation	Hourly, Not-To-Exceed	$200,000
Topographic Survey	Hourly, Not-To-Exceed	$132,000
Preliminary Design	Lump Sum	$2,600,000
SRF Facilities Plan and Loan Application	Hourly, Not-To-Exceed	$46,000
DBO Model Program Development	Hourly, Not-To-Exceed	$175,000
Local Workforce Involvement Model Program Development	Hourly, Not-To-Exceed	$90,000
Phase B - Wastewater Treatment Facility Design and Permitting		
Final Design - Wastewater Treatment Facility	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Site Preparation – Design Phase	To be Negotiated	To be Negotiated
Lagoon Closure Master Plan	To be Negotiated	To be Negotiated
Phase C - Wastewater Treatment Facility Bid and Construction Phase Services		
Bid Phase Services	To be Negotiated	To be Negotiated
Construction Phase Services	To be Negotiated	To be Negotiated
Wastewater Treatment Facility Operational Support	To be Negotiated	To be Negotiated
	TOTAL	**$3,493,000**

Please indicate your acceptance of this Task Order by executing both original documents and returning one to our office. Thank you for the opportunity to be of continued service to you.

Sincerely,

NEEL-SCHAFFER, INC.

Joel H. Hudnall, P.E.
Chief Operating Officer

ACCEPTED:

BY: _____

DATE: 10-7-14

City of Hattiesburg, MS

200 Forrest St.
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Hattiesburg, MS 39401

Master

File Number: 2014-1327

File ID: 2014-1327 **Type:** Regular Agenda Item **Status:** Approved

Version: 1 **Reference:** **In Control:** City Council

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Minute Book Number: MB2014-254

Title:

Approve and Authorize execution of two copies of a Joint-Funding Agreement for the period of October 1, 2014 - September 30, 2015 to continue the cooperative program between the U.S. Geological Survey (USGS) and the City of Hattiesburg for the operation and maintenance of the Bouie River Flood Monitoring Site at Glendale Avenue, and for hydrologic modeling and development of inundation maps for the Leaf River, with total cost to the city of $5,865.00.

Notes:

Sponsors: **Enactment Date:**

Attachments: USGS Joint Funding Agreement, executed USGS Joint Funding Agreement **Enactment Number:**

Contact: **Meeting Date:** 09/02/2014

Drafter: Gene Polk **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Approve and Authorize				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Delgado to Approve and Authorize execution of two copies of a Joint-Funding Agreement for the period of October 1, 2014 - September 30, 2015 to continue the cooperative program between the U.S. Geological Survey (USGS) and the City of Hattiesburg for the operation and maintenance of the Bouie River Flood Monitoring Site at Glendale Avenue, and for hydrologic modeling and development of inundation maps for the Leaf River, with total cost to the city of $5,865.00.

Council member Dryden asked if there is money in the budget to pay for this; Ms. Waits stated that the agreement is planned for each year and comes from the engineering department's budget.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1327

Title

Approve and Authorize execution of two copies of a Joint-Funding Agreement for the period of October 1, 2014 - September 30, 2015 to continue the cooperative program between the U.S. Geological Survey (USGS) and the City of Hattiesburg for the operation and maintenance of the Bouie River Flood Monitoring Site at Glendale Avenue, and for hydrologic modeling and development of inundation maps for the Leaf River, with total cost to the city of $5,865.00.

Summary

USGS Joint Funding Agreement for the Bouie River Flood Monitoring Site at Glendale Avenue.

Budget Information

001203.6049

Expenditure Type

Purchasing Item

Publication Information

United States Department of the Interior

U.S. GEOLOGICAL SURVEY

Mississippi Water Science Center
308 South Airport Rd.
Jackson, Mississippi 39208
601-933-2900

August 15, 2014

Mr. Bert Kuyrkendall, P.E., City Engineer
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Dear Mr. Kuyrkendall:

Enclosed are two copies of a Joint-Funding Agreement for the period of October 1, 2014 to September 30, 2015 to continue the cooperative program between the U.S. Geological Survey (USGS) and the City of Hattiesburg. This agreement will provide funding for the operation and maintenance of a flood monitoring site on the Bouie River at Glendale Avenue. The Bouie River flood monitoring site will provide real-time river stage data via the USGS Web site during flood events and will be utilized by the National Weather Service to provide flood forecast information to local residents and emergency managers during future flood events. The operating costs for FY15 for this site ($10,205) will be shared by the City of Hattiesburg ($5,865) and USGS ($4,340).

If this proposed program meets your approval, please sign and return one copy of the JFA to the attention of Sheila Bernard, our Administrative Officer, keeping the other copy for your records. If you have any other questions regarding this agreement, please call me at 615-837-4701, or Richard Rebich at 601-933-2928. Work conducted under this agreement will be done on a fixed cost basis.

Sincerely,

W. Scott Gain
Director
Mississippi-Tennessee Water Science Center

Attachments

Form 9-1366
(Oct. 2005)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOINT FUNDING AGREEMENT

Customer #:	6000001885
Agreement #:	15ESTNGEML00002
Project #:	
TIN #:	64-6000432
Fixed Cost Agreement	YES

FOR

Water Resources Investigations

THIS AGREEMENT is entered into as of the, 1st day of October, 2014 by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Hattiesburg, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for the operation and maintenance of a flood monitoring site on the Bouie River at Glendale Avenue
herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of .

   (a) by the party of the first part during the period

Amount	Date	to	Date
$4,340.00	October 1, 2014		September 30, 2015

   (b) by the party of the second part during the period

Amount	Date	to	Date
$5,865.00	October 1, 2014		September 30, 2015

   $1,525 of the amount 2(b) shall be unmatched.

   (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

   (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.

9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered ANNUALLY. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

	U.S. Geological Survey United States Department of the Interior		City of Hattiesburg
	USGS Point of Contact		**Customer Point of Contact**
Name:	W. Scott Gain	Name:	Bert Kuyrkendall
Address:	MS Water Science Center 308 South Airport Road Jackson, MS 39208	Address:	P.O. Box 1891 Hattiesburg, MS 39403
Telephone:	615-837-4701	Telephone:	601-545-4640
Email:	wsgain@usgs.gov	Email:	bkuyrkendall@hattiesburgms.com

Signatures and Date

Signature:	Date: 8/15/14	Signature:	Date:
Name:	W. Scott Gain	Name:	Johnny Dupree
Title:	Director, MS WSC	Title:	Mayor

Form 9-1366
(Oct. 2005)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOINT FUNDING AGREEMENT

Customer #:	6000001885
Agreement #:	15ESTNGEML00002
Project #:	
TIN #:	64-6000432
Fixed Cost Agreement	YES

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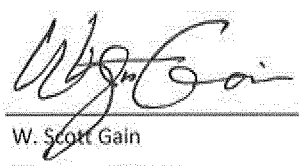
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	USGS Point of Contact		**Customer Point of Contact**
Name:	W. Scott Gain	Name:	Bert Kuyrkendall
Address:	MS Water Science Center 308 South Airport Road Jackson, MS 39208	Address:	P.O. Box 1891 Hattiesburg, MS 39403
Telephone:	615-837-4701	Telephone:	601-545-4640
Email:	wsgain@usgs.gov	Email:	bkuyrkendall@hattiesburgms.com

Signatures and Date

Signature:		Date: 8/15/14	Signature:		Date:
Name:	W. Scott Gain		Name:	Johnny Dupree	
Title:	Director, MS WSC		Title:	Mayor	

Form 9-1366
(Oct. 2005)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOINT FUNDING AGREEMENT

Customer #:	6000001885
Agreement #:	15ESTNGEML00002
Project #:	
TIN #:	64-6000432
Fixed Cost Agreement	YES

FOR

Water Resources Investigations

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U.S. Geological Survey **United States** **Department of the Interior**		City of Hattiesburg	
USGS Point of Contact		**Customer Point of Contact**	
Name:	W. Scott Gain	Name:	Bert Kuyrkendall
Address:	MS Water Science Center 308 South Airport Road Jackson, MS 39208	Address:	P.O. Box 1891 Hattiesburg, MS 39403
Telephone:	615-837-4701	Telephone:	601-545-4640
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Signatures and Date

Signature:		Date:	Signature:		Date:
		8/15/14			9-2-14
Name:	W. Scott Gain		Name:	Johnny Dupree	
Title:	Director, MS WSC		Title:	Mayor	

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1344

File ID: 2014-1344 **Type:** Regular Agenda Item **Status:** Passed

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/26/2014

Brief Title: Supplemental Agreement No. 1 ComSWIP Water Phase I **Final Action:** 09/02/2014

Minute Book Number: MB2014-254-255

Title:

Approve change order entitled Supplemental Agreement No.1 with C. B. Developers, Inc. to adjust line item quantities to actual as required by site conditions for the Comprehensive Water Improvements Phase I project, for a net increase to the contract in the amount of $39,876.21; Authorize Mayor to execute in quadruplicate.

Notes:

Sponsors: **Enactment Date:**

Attachments: Cover Letter, Supplemental Agreement No 1 - unsigned, executed Supplemental Agreement No 1 - unsigned **Enactment Number:**

Contact: **Meeting Date:** 09/02/2014

Drafter: Gene Pollk **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Approve				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Approve change order entitled Supplemental Agreement No.1 with C. B. Developers, Inc. to adjust line item quantities to actual as required by site conditions for the Comprehensive Water Improvements Phase I project, for a net increase to the contract in the amount of $39,876.21; Authorize Mayor to execute in quadruplicate.

Council member Dryden asked for more detail about what is changing [with the agreement]. Mr. Rutland explained that this project is part of the COMSWIP program and that during construction it was determined that a mobile home park did not have fire protection; he said the added fire protection represents the major part of the increase.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1344

Title

Approve change order entitled Supplemental Agreement No.1 with C. B. Developers, Inc. to adjust line item quantities to actual as required by site conditions for the Comprehensive Water Improvements Phase I project, for a net increase to the contract in the amount of $39,876.21; Authorize Mayor to execute in quadruplicate.

Summary

Supplemental Agreement No. 1 with C.B. Developers, Inc Comprehensive Water Improvements Phase I

Budget Information

Expenditure Type

Purchasing Item

Publication Information

sdw

Engineering Progress

August 22, 2014

City of Hattiesburg
PO Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

RE: **Comprehensive Water Improvements – Phase I**
Hattiesburg, MS

Dear Mr. Rutland:

This is to certify the above referenced project has been completed in accordance with the previously approved plans and specifications.

Enclosed are the following documents:

1. The final estimate no. 5 for the contractor in the amount of $60,701.53
2. Contractor's Affidavit of Release of Liens
3. Consent of Surety to final Payment
4. Contractor's Warranty
5. Supplemental Agreement No. 1

Please do not hesitate to contact me should you have questions or comments.

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

Enclosures

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

COMPREHENSIVE WATER IMPROVEMENTS
PHASE 1
CITY OF HATTIESBURG

SUPPLEMENTAL AGREEMENT NO. 1

CITY OF HATTIESBURG, MISSISSIPPI

WHEREAS, We, C.B. Developers, Inc Contractor and Liberty Mutual Insurance Comapny, Surety entered into a contract with the City of Hattiesburg on the 6th Day of January 2011 February, 2013 for the Comprehensive Water Improvements-Phase I.

WHEREAS: It is proposed that the following item be added to the contract documents:

Additional bends were required to properly install the water line along South 40th Avenue.

No.	Item	Unit	Quantity	Unit Price	Total
13	45 Degree Bends	Each.	2.00	$740.30	$ 1,480.60

WHEREAS: It is proposed that the following item be added to the contract documents:

During construction of the water line along South 40th Avenue, existing services were determined to be 2 inch taps. A 12 inch by 2 inch tap is required to match the existing water service.

No.	Item	Unit	Quantity	Unit Price	Total
14	12" x 2" Service	Each.	2.00	$1,032.00	$2,064.00

WHEREAS: It is proposed that the following item be added to the contract documents:

During construction of the water line along Edwards Street, existing services were determined to be 2 inch taps. A 8 inch by 2 inch tap is required to match the existing water service.

No.	Item	Unit	Quantity	Unit Price	Total
24	8" x 2" Service	Each.	2.00	$ 868.00	$1,736.00

WHEREAS: It during the course of the project, minor modifications to the construction plans required additional and less materials to adapt to the field conditions. The attached Overrun/Underrun statement identifies final quantities on the project. Any changes from the original or supplemental quantities is depicted and reasons for change noted.

Total increase of original construction contract is $ 39,876.21.

This agreement in no way modifies or changes the original contract of which it becomes a part, except as specifically stated herein.

NOW, THEREFORE, We, C.B. Developers, Inc, Contractor and Liberty Mutual Insurance Company Surety, hereby agree that said Supplemental Agreement is hereby made a part of the Original Contract to be performed under the specifications thereof, and that the Original Contract is in full force and effect, except insofar as it might be modified by this Supplement Agreement.

DATED, this _____day of _____, 201_

C.B. Developers, Inc

By:_____
Contractor

Witness:_____

Liberty Mutual Insurance Company

By: _____
Surety

Witness: _____

City of Hattiesburg

By:_____
Owner

Witness:_____

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6485220

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Angela Bullie; Brody Eric Buckley; Jason J. Young; Jerry E. Horner Jr; Jerry G. Veazey Jr; Jim A. Armstrong; Katie Aldridge; Linda D. Whittington; Peggy L. Jackson; S. Lyle Bates Jr; Thomas Brent Tyler; Trina Cobb; William E. Howard Jr

all of the city of Jackson, state of MS each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of March, 2014.

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: _____
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 11th day of March, 2014, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella , Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this _____ day of AUG 20 2014, 20_____.

By: _____
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
	SITE 1 - EVA ST & SOUTH 17TH AVE								
1	8" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1025	1025			$ 27.57	$ -	$ -
2	8" Class 350 Ductile Iron Water Pipe (Bored - No Casing	LF	160	160			$ 44.36	$ -	$ -
3	14" Steel Casing, 0.25" WT (Bored)	LF	60	60			$ 80.65	$ -	$ -
4	Tie-In: Proposed 8" to Existing 10" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,800.00	$ -	$ -
5	Tie-In: Proposed 8" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,200.00	$ -	$ -
6	Tie-In: Existing 2" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 1,424.00	$ -	$ -
7	8" Gate Valve	EA	3	3			$ 1,080.00	$ -	$ -
8	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other	EA	2	2			$ 3,120.00	$ -	$ -
9	Service Tubing (Bored) (Size Varies to 1 1/2")	LF	150	180	30		$ 9.00	$ 270.00	$ -
	Additional service line required to connnect to existing services								
10	Service Connection (Incl: Service Tubing Saddle, Corp Stop, etc.)	EA	21	15		6	$ 324.00	$ -	$ 1,944.00
	Active meters varied from planned quantities								
11	Select Fill Material (Class 9, Group C), LVM	CY	16	16			$ 29.00	$ -	$ -
12	Concrete Pavement Repair (All Depths)	SY	24	24			$ 59.00	$ -	$ -

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
13	Asphalt Pavement Repair (All Depths)	SY	10	10			$ 230.00	$ -	$ -
14	Temporary Erosion Control	LS	1	1			$ 1,800.00	$ -	$ -
15	Grassing	LS	1	1			$ 3,550.00	$ -	$ -
16	Mobilization	LS	1	1			$ 10,000.00	$ -	$ -
17	Maintenance of Traffic	LS	1	1			$ 3,000.00	$ -	$ -
	SITE 3 - FREDNA STREET								
1	6" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1510	1429		81	$ 22.05	$ -	$ 1,786.05
	Varied to fit field conditions								
2	6" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	410	454	44		$ 33.23	$ 1,462.12	$ -
	Varied to fit field conditions								
3	8" 200 PSI, DR9, HDPE (Direction Bore) (Incl. adapter fittings)	LF	40	40			$ 64.00	$ -	$ -
4	12" Steel Casing, 0.25" WT (Bored)	LF	80	80			$ 65.00	$ -	$ -
5	Tie-In: Proposed 6" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	4	4			$ 3,952.00	$ -	$ -
6	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other fittings	EA	2	2			$ 3,072.00	$ -	$ -
7	Service Tubing (Bored) (Size Varies to 1 1/2")	LF	480	610	130		$ 9.00	$ 1,170.00	$ -
	Additional service line required to connnect to existing services								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
2	12" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	20	50	30		$ 74.15	$ 2,224.50	$ -
	Varied to fit field conditions								
3	Tie-In: Proposed 12" to Existing 12" (Straight Connection w/ fittings)	EA	1	1			$ 1,900.00	$ -	$ -
4	Tie-In: Proposed 12" to Existing 8" (Tee & other fittings)	EA	1	1			$ 3,000.00	$ -	$ -
5	8" Gate Valve	EA	1	1			$ 1,110.00	$ -	$ -
6	12" Gate Valve	EA	2	1		1	$ 1,940.00	$ -	$ 1,940.00
	Unkown valve in place prior to construction								
7	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe, & other fittings)	EA	1	1			$ 3,400.00	$ -	$ -
8	Service Connection (Incl: Service Tubing, Tapping Saddle, Corp Stop, Etc.)	EA	2	0		2	$ 380.00	$ -	$ 760.00
	Varied to fit field conditions								
9	Temporary Erosion Control	LS	1	1			$ 1,200.00	$ -	$ -
10	Grassing	LS	1	1			$ 3,000.00	$ -	$ -
11	Mobilization	LS	1	1			$ 7,652.00	$ -	$ -
12	Maintenance of Traffic	LS	1	1			$ 1,766.00	$ -	$ -
13	45 Degree Bends	EA	0	2	2		$ 740.30	$ 1,480.60	$ -
	Supplemental Agreement No 1								

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
14	12"x2" Service	LS	0	2	2		$ 1,032.00	$ 2,064.00	$ -
	Supplemental Agreement No 1								
	SITE 6 - EDWARDS STREET								
1	8" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	100	1594	1494		$ 32.00	$ 47,808.00	$ -
	Additional water line requested by City of Hattiesburg to service residents on Cedar Street								
2	12" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1120	1004		116	$ 40.31	$ -	$ 4,675.96
	Varied to fit field conditions								
3	12" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	40	0		40	$ 67.50	$ -	$ 2,700.00
	Varied to fit field conditions								
4	16" 200 PSI, DR9, HDPE (Direction Bore) (Incl. adapter fittings)	LF	180	280	100		$ 117.50	$ 11,750.00	$ -
	Varied to fit field conditions								
5	14" Steel Casing, 0.25" WT (Bored)	LF	40	40			$ 97.00	$ -	$ -
6	18" Steel Casing, 0.25" WT (Bored)	LF	40	40			$ 126.50	$ -	$ -
7	Tie-In: Proposed 12" to Existing 20" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 9,600.00	$ -	$ -
8	Tie-In: Proposed 12" to Proposed 12" (Tee & other fittings)	EA	1	1			$ 1,800.00	$ -	$ -
9	Tie-In: Proposed 12" to Proposed 8" (Tee & other fittings)	EA	1	2	1		$ 1,600.00	$ 1,600.00	$ -
	Varied to fit field conditions								

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
10	Tie-In: Proposed 12" to Existing 6" (Tee & other fittings)	EA	1	0		1	$ 2,400.00	$ -	$ 2,400.00
	Varied to fit field conditions								
11	Tie-In: Proposed 8" to Existing 8" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,800.00	$ -	$ -
12	Tie-In: Existing 2" to Proposed 12" (Hot Tap w/ Valve Assembly)	EA	2	0		2	$ 1,950.00	$ -	$ 3,900.00
	Varied to fit field conditions								
13	8" Gate Valve	EA	1	5	4		$ 1,100.00	$ 4,400.00	$ -
	Additional valves required to properly connect to existing water lines								
14	12" Gate Valve	EA	5	6	1		$ 1,950.00	$ 1,950.00	$ -
	Varied to fit field conditions								
15	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other fittings)	EA	3	4	1		$ 3,300.00	$ 3,300.00	$ -
	Additional fire hydrant required on Cedar Street								
16	Service Connection (Incl: Service Tubing, Tapping Saddle, Corp Stop, etc)	EA	2	10	8		$ 380.00	$ 3,040.00	$ -
	Additional service line required to connnect to existing services on Cedar Street								
17	Select Fill Material (Class 9, Group C), LVM	CY	1,001	15		986	$ 10.00	$ -	$ 9,860.00
	Existing native materials acceptable								
18	Concrete Pavement Repair (All Depths)	SY	72	129.50	57.50		$ 59.00	$ 3,392.50	$ -
	Additional concrete driveways repaired due to extension on Cedar Street								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
19	Asphalt Pavement Repair (All Depths)	SY	151	41.90		109.10	$ 57.00	$ -	$ 6,218.70
	Varied to fit field conditions								
20	Temporary Erosion Control	LS	1	1			$ 1,200.00	$ -	$ -
21	Grassing	LS	1	1			$ 3,600.00	$ -	$ -
22	Mobilization	LS	1	1			$ 8,900.00	$ -	$ -
23	Maintenance of Traffice	LS	1	1			$ 3,000.00	$ -	$ -
24	8"x2" Service	EA	0	2	2		$ 868.00	$ 1,736.00	$ -
	Supplemental Agreement No 1								
								$ 90,302.72	$ 50,426.51

PROJECT INCREASE	$	39,876.21
Original Contract Amount	$	433,213.65
Overrun	$	39,876.21
Final Contract Amount	$	473,089.86

COMPREHENSIVE WATER IMPROVEMENTS
PHASE 1
CITY OF HATTIESBURG

SUPPLEMENTAL AGREEMENT NO. 1

CITY OF HATTIESBURG, MISSISSIPPI

WHEREAS, We, C.B. Developers, Inc Contractor and Liberty Mutual Insurance Comapny, Surety entered into a contract with the City of Hattiesburg on the 6th Day of January 2011 February, 2013 for the Comprehensive Water Improvements-Phase I.

WHEREAS: It is proposed that the following item be added to the contract documents:

Additional bends were required to properly install the water line along South 40th Avenue.

No.	Item	Unit	Quantity	Unit Price	Total
13	45 Degree Bends	Each.	2.00	$740.30	$ 1,480.60

WHEREAS: It is proposed that the following item be added to the contract documents:

During construction of the water line along South 40th Avenue, existing services were determined to be 2 inch taps. A 12 inch by 2 inch tap is required to match the existing water service.

No.	Item	Unit	Quantity	Unit Price	Total
14	12" x 2" Service	Each.	2.00	$1,032.00	$2,064.00

WHEREAS: It is proposed that the following item be added to the contract documents:

During construction of the water line along Edwards Street, existing services were determined to be 2 inch taps. A 8 inch by 2 inch tap is required to match the existing water service.

No.	Item	Unit	Quantity	Unit Price	Total
24	8" x 2" Service	Each.	2.00	$ 868.00	$1,736.00

WHEREAS: It during the course of the project, minor modifications to the construction plans required additional and less materials to adapt to the field conditions. The attached Overrun/Underrun statement identifies final quantities on the project. Any changes from the original or supplemental quantities is depicted and reasons for change noted.

Total increase of original construction contract is $ 39,876.21.

This agreement in no way modifies or changes the original contract of which it becomes a part, except as specifically stated herein.

NOW, THEREFORE, We, C.B. Developers, Inc, Contractor and Liberty Mutual Insurance Company Surety, hereby agree that said Supplemental Agreement is hereby made a part of the Original Contract to be performed under the specifications thereof, and that the Original Contract is in full force and effect, except insofar as it might be modified by this Supplement Agreement.

DATED, this 2nd day of September, 2014

C.B. Developers, Inc

By:_____
Contractor

Witness:_____

Liberty Mutual Insurance Company

By: _____
Surety

Witness: _____

City of Hattiesburg

By:_____
Owner

Witness: Sharon Watts D.C.

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6485220

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Angela Bullie; Brody Eric Buckley; Jason J. Young; Jerry E. Horner Jr; Jerry G. Veazey Jr; Jim A. Armstrong; Katie Aldridge; Linda D. Whittington; Peggy L. Jackson; S. Lyle Bates Jr; Thomas Brent Tyler; Trina Cobb; William E. Howard Jr

all of the city of Jackson, state of MS each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of March, 2014.

American Fire and Casualty Company
The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 11th day of March, 2014, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2017
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella , Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this _____ day of AUG 20 2014, 20_____.

By: Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
	SITE 1 - EVA ST & SOUTH 17TH AVE								
1	8" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1025	1025			$ 27.57	$ -	$ -
2	8" Class 350 Ductile Iron Water Pipe (Bored - No Casing	LF	160	160			$ 44.36	$ -	$ -
3	14" Steel Casing, 0.25" WT (Bored)	LF	60	60			$ 80.65	$ -	$ -
4	Tie-In: Proposed 8" to Existing 10" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,800.00	$ -	$ -
5	Tie-In: Proposed 8" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,200.00	$ -	$ -
6	Tie-In: Existing 2" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 1,424.00	$ -	$ -
7	8" Gate Valve	EA	3	3			$ 1,080.00	$ -	$ -
8	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other	EA	2	2			$ 3,120.00	$ -	$ -
9	Service Tubing (Bored) (Size Varies to 1 1/2")	LF	150	180	30		$ 9.00	$ 270.00	$ -
	Additional service line required to connnect to existing services								
10	Service Connection (Incl: Service Tubing Saddle, Corp Stop, etc.)	EA	21	15		6	$ 324.00	$ -	$ 1,944.00
	Active meters varied from planned quantities								
11	Select Fill Material (Class 9, Group C), LVM	CY	16	16			$ 29.00	$ -	$ -
12	Concrete Pavement Repair (All Depths)	SY	24	24			$ 59.00	$ -	$ -

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
13	Asphalt Pavement Repair (All Depths)	SY	10	10			$ 230.00	$ -	$ -
14	Temporary Erosion Control	LS	1	1			$ 1,800.00	$ -	$ -
15	Grassing	LS	1	1			$ 3,550.00	$ -	$ -
16	Mobilization	LS	1	1			$ 10,000.00	$ -	$ -
17	Maintenance of Traffic	LS	1	1			$ 3,000.00	$ -	$ -
	SITE 3 - FREDNA STREET								
1	6" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1510	1429		81	$ 22.05	$ -	$ 1,786.05
	Varied to fit field conditions								
2	6" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	410	454	44		$ 33.23	$ 1,462.12	$ -
	Varied to fit field conditions								
3	8" 200 PSI, DR9, HDPE (Direction Bore) (Incl. adapter fittings)	LF	40	40			$ 64.00	$ -	$ -
4	12" Steel Casing, 0.25" WT (Bored)	LF	80	80			$ 65.00	$ -	$ -
5	Tie-In: Proposed 6" to Existing 6" (Hot Tap w/ Valve Assembly)	EA	4	4			$ 3,952.00	$ -	$ -
6	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other fittings	EA	2	2			$ 3,072.00	$ -	$ -
7	Service Tubing (Bored) (Size Varies to 1 1/2")	LF	480	610	130		$ 9.00	$ 1,170.00	$ -
	Additional service line required to connnect to existing services								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
8	Service Connection (Incl: Service Tubing, Tapping Saddle, Corp Stop, Etc.)	EA	29	13		16	$ 319.00	$ -	$ 5,104.00
	Active meters varied from planned quantities								
9	Select Fill Material (Class 9, Group C), LVM	CY	49	0		49	$ 29.00	$ -	$ 1,421.00
	Exisiting native materials acceptable								
10	Concrete Pavement Repair (All Depths)	SY	51	10.20		40.80	$ 59.00	$ -	$ 2,407.20
	Varied to fit field conditions								
11	Asphalt Pavement Repair (All Depths)	SY	57	48.70		8.30	$ 76.00	$ -	$ 630.80
	Varied to fit field conditions								
12	Concrete Curb & Gutter (Match Existing Type)	LF	20	65	45		$ 59.00	$ 2,655.00	$ -
	Additional curb removed to properly install service connections and tie-ins								
13	Temporary Erosion Control	LS	1	1			$ 1,200.00	$ -	$ -
14	Grassing	LS	1	1			$ 3,550.00	$ -	$ -
15	Mobilization	LS	1	1			$ 8,300.00	$ -	$ -
16	Maintenance of Traffic	LS	1	1			$ 1,800.00	$ -	$ -
	SITE 5 - SOUTH 40TH AVENUE								
1	12" Class350 Ductile Iron Water Pipe (Open Cut)	LF	820	700		120	$ 38.99	$ -	$ 4,678.80
	Varied to fit field conditions								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
2	12" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	20	50	30		$ 74.15	$ 2,224.50	$ -
	Varied to fit field conditions								
3	Tie-In: Proposed 12" to Existing 12" (Straight Connection w/ fittings)	EA	1	1			$ 1,900.00	$ -	$ -
4	Tie-In: Proposed 12" to Existing 8" (Tee & other fittings)	EA	1	1			$ 3,000.00	$ -	$ -
5	8" Gate Valve	EA	1	1			$ 1,110.00	$ -	$ -
6	12" Gate Valve	EA	2	1		1	$ 1,940.00	$ -	$ 1,940.00
	Unkown valve in place prior to construction								
7	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe, & other fittings)	EA	1	1			$ 3,400.00	$ -	$ -
8	Service Connection (Incl: Service Tubing, Tapping Saddle, Corp Stop, Etc.)	EA	2	0		2	$ 380.00	$ -	$ 760.00
	Varied to fit field conditions								
9	Temporary Erosion Control	LS	1	1			$ 1,200.00	$ -	$ -
10	Grassing	LS	1	1			$ 3,000.00	$ -	$ -
11	Mobilization	LS	1	1			$ 7,652.00	$ -	$ -
12	Maintenance of Traffic	LS	1	1			$ 1,766.00	$ -	$ -
13	45 Degree Bends	EA	0	2	2		$ 740.30	$ 1,480.60	$ -
	Supplemental Agreement No 1								

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
14	12"x2" Service	LS	0	2	2		$ 1,032.00	$ 2,064.00	$ -
	Supplemental Agreement No 1								
	SITE 6 - EDWARDS STREET								
1	8" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	100	1594	1494		$ 32.00	$ 47,808.00	$ -
	Additional water line requested by City of Hattiesburg to service residents on Cedar Street								
2	12" Class 350 Ductile Iron Water Pipe (Open Cut)	LF	1120	1004		116	$ 40.31	$ -	$ 4,675.96
	Varied to fit field conditions								
3	12" Class 350 Ductile Iron Water Pipe (Bored - No Casing)	LF	40	0		40	$ 67.50	$ -	$ 2,700.00
	Varied to fit field conditions								
4	16" 200 PSI, DR9, HDPE (Direction Bore) (Incl. adapter fittings)	LF	180	280	100		$ 117.50	$ 11,750.00	$ -
	Varied to fit field conditions								
5	14" Steel Casing, 0.25" WT (Bored)	LF	40	40			$ 97.00	$ -	$ -
6	18" Steel Casing, 0.25" WT (Bored)	LF	40	40			$ 126.50	$ -	$ -
7	Tie-In: Proposed 12" to Existing 20" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 9,600.00	$ -	$ -
8	Tie-In: Proposed 12" to Proposed 12" (Tee & other fittings)	EA	1	1			$ 1,800.00	$ -	$ -
9	Tie-In: Proposed 12" to Proposed 8" (Tee & other fittings)	EA	1	2	1		$ 1,600.00	$ 1,600.00	$ -
	Varied to fit field conditions								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
10	Tie-In: Proposed 12" to Existing 6" (Tee & other fittings)	EA	1	0		1	$ 2,400.00	$ -	$ 2,400.00
	Varied to fit field conditions								
11	Tie-In: Proposed 8" to Existing 8" (Hot Tap w/ Valve Assembly)	EA	1	1			$ 4,800.00	$ -	$ -
12	Tie-In: Existing 2" to Proposed 12" (Hot Tap w/ Valve Assembly)	EA	2	0		2	$ 1,950.00	$ -	$ 3,900.00
	Varied to fit field conditions								
13	8" Gate Valve	EA	1	5	4		$ 1,100.00	$ 4,400.00	$ -
	Additional valves required to properly connect to existing water lines								
14	12" Gate Valve	EA	5	6	1		$ 1,950.00	$ 1,950.00	$ -
	Varied to fit field conditions								
15	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & other fittings)	EA	3	4	1		$ 3,300.00	$ 3,300.00	$ -
	Additional fire hydrant required on Cedar Street								
16	Service Connection (Incl: Service Tubing, Tapping Saddle, Corp Stop, etc)	EA	2	10	8		$ 380.00	$ 3,040.00	$ -
	Additional service line required to connnect to existing services on Cedar Street								
17	Select Fill Material (Class 9, Group C), LVM	CY	1,001	15		986	$ 10.00	$ -	$ 9,860.00
	Existing native materials acceptable								
18	Concrete Pavement Repair (All Depths)	SY	72	129.50	57.50		$ 59.00	$ 3,392.50	$ -
	Additional concrete driveways repaired due to extension on Cedar Street								

OVERRUNS UNDERRUNS
PROJECT: COMPREHENSIVE WATER IMPROVEMENTS - PHASE I
CONTRACTOR: CB DEVELOPERS, INC.

ITEM NO.	ITEM DESCRIPTION	UNIT	ORIGINAL QUANTITY	FINAL QUANTITY	OVERRUNS	UNDERRUNS	UNIT PRICE	INCREASE	DECREASE
19	Asphalt Pavement Repair (All Depths)	SY	151	41.90		109.10	$ 57.00	$ -	$ 6,218.70
	Varied to fit field conditions								
20	Temporary Erosion Control	LS	1	1			$ 1,200.00	$ -	$ -
21	Grassing	LS	1	1			$ 3,600.00	$ -	$ -
22	Mobilization	LS	1	1			$ 8,900.00	$ -	$ -
23	Maintenance of Traffice	LS	1	1			$ 3,000.00	$ -	$ -
24	8"x2" Service	EA	0	2	2		$ 868.00	$ 1,736.00	$ -
	Supplemental Agreement No 1								
								$ 90,302.72	$ 50,426.51

PROJECT INCREASE	$	39,876.21
Original Contract Amount	$	433,213.65
Overrun	$	39,876.21
Final Contract Amount	$	473,089.86

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1348

File ID: 2014-1348 **Type:** Regular Agenda Item **Status:** Passed

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/27/2014

Brief Title: Approve the purchase of the Forms module of the Legistar software and 15 additional users from MCCi annually as a sole source purchase

Final Action: 09/02/2014

Minute Book Number: MB2014-255

Title:

Approve the purchase of the Forms module of the Laserfiche software and 15 additional users from MCCi at $28,777.50 as a sole source purchase as provided for in Section 31-7-13 (viii), of the Mississippi Code of 1972.

Notes:

Sponsors: **Enactment Date:**

Attachments: HattiesburgMSAvanteaddonab2 (2) **Enactment Number:**

Contact: **Meeting Date:** 09/02/2014

Drafter: Angie Sanford **Effective Date:**

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Approve				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Delgado to Approve the purchase of the Forms module of the Legistar software and 15 additional users from MCCi annually as a sole source purchase.

Council President Bradley asked the benefit of this addition to Laserfiche; the Clerk of Council said that the forms module will allow the [city] to develop online forms for privilege license, human resources and other uses.

Council member Delgado expressed concern about the software the municipal court system is using and the amount [the city] paid for it, given that it does not work. She said she wants to make sure that [Laserfiche works]. Council President Bradley stated that there is not a problem with Laserfiche. The Council Clerk said that Laserfiche is an amazing tool for archiving records and also has a work flow [option].

Council member Dryden stated that she shares Council member Delgado's concern about the municipal court software.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
TEL-No Vote:	0	

Text of Legislative File 2014-1348

Title

Approve the purchase of the Forms module of the Laserfiche software and 15 additional users from MCCi at $28,777.50 as a sole source purchase as provided for in Section 31-7-13 (viii), of the Mississippi Code of 1972.

Summary

Approve the purchase of the Forms module of the Legistar software and 15 additional users from MCCi annually as a sole source purchase

MCCi ExperienceExcellence

Laserfiche Order

STATEMENT OF WORK

	Product Description:	*Qty.*	*Cost*	*Total*
ECM SOFTWARE LICENSING FOR AVANTE				
☑	LF Full Named User *Includes Snapshot, Email, and Workflow*	15	$500.00	$7,500.00
☑	LF Advanced Audit Trail, 20% Add On to All Named Users	15	$100.00	$1,500.00
	ECM Software Licensing Total			***$9,000.00***
ELECTRONIC FORMS FOR AVANTE				
☑	LF Forms, 10% Add on to All Named Users	25	$50.00	$1,250.00
☑	LF Forms Portal **Allows Forms Portal to be activated on a Forms server. Multiple licenses are needed if multiple activations are required. Allows form submission only, from unlicensed (public) and non-authenticated users.*	1	$7,995.00	$7,995.00
	Electronic Forms Total			***$9,245.00***
ANNUAL SOFTWARE SUPPORT - BASIC LSAP				
☑	LF Full Named User *Includes Snapshot, Email, and Workflow*	15	$105.00	$1,575.00
☑	LF Advanced Audit Trail, 20% Add On to All Named Users	15	$21.00	$315.00
☑	LF Forms, 10% Add on to All Named Users	25	$10.50	$262.50
☑	LF Forms Portal **Allows Forms Portal to be activated on a Forms server. Multiple licenses are needed if multiple activations are required. Allows form submission only, from unlicensed (public) and non-authenticated users.*	1	$1,680.00	$1,680.00
☑	Managed Services for Laserfiche Forms- Avante	1	$630.00	$630.00
	Annual Support Total			***$4,462.50***
	For budgetary purposes, the Client should include $4,462.50 in annual budget for renewal of LSAP, Managed Services, and the Training Center for the software quoted above.			
MCCi PROFESSIONAL SERVICES				
☑	Basic Remote Training of software, per day *Workflow training and installation excluded.*	1	$1,120.00	$1,120.00
☑	LF Forms Configuration Service (per form)- Level 2 *(see MCCi Advanced Implementation Services for details)*	1	$1,400.00	$1,400.00
☑	MCCi Project Management Services	1		$3,550.00
	Professional Services Total			***$6,070.00***
	Total Project Cost			***$28,777.50***

Payment & Billing Terms

MCCi will invoice one hundred percent (100%) of the software and support upon delivery of software. If services are included, the balance of the total project will be invoiced upon completion of the proposed professional services, which may be broken up based on the completion date of specific services. Sales tax will be included where applicable. Payment will be due upon receipt of an invoice.

Laserfiche software and help files are provided electronically. If hard copy manuals or software is desired, there is a $50 additional charge. This will need to be requested.

Note: MCCi will prorate the support of this additional software to be congruent with your current Laserfiche system's support (LSAP) dates, the purpose of which is to align all software with one support date so maintenance of your account is made easy. MCCi will bill for the actual amount of support, which may be higher or lower than quoted. ***To ensure you are budgeting correctly for future renewals, please add the amount listed in the budgetary note above to your current budgeted renewal amount.***

MCCi Standard Services

To determine which services and products are included with your project, please refer to the Statement of Work above.

MCCi prides itself in providing high quality professional services and support. Providing the most advanced level of tech support via the web, e-mail and phone, you can rest assured that MCCi will provide you with profession installation, training and support services. Our clients can rely on us to provide a continual flow of information through our technical bulletins and newsletters.

MCCi Project Management Services

MCCi Project Managers are CDIA-certified and Laserfiche Certified. The CDIA (Certified Document Imaging Architect) is awarded after a comprehensive and rigorous exam focused on a broad spectrum of document and records management objectives. There are multiple Laserfiche Certifications and MCCi focuses on maintaining all of them. MCCi Project Managers administer these services and concentrate on defining business requirements and the deliverables that follow. The MCCi Project Manager will work with the client's point of contact to put together a project plan that clearly defines the scope of services of the Project Management services. These services are included to ensure the Client is prepared for the final project implementation.

Implementation

Client Consultation - The assigned MCCi Project Manager will perform a remote pre-installation solution development plan including configuration of security rules for the Client prior to installation and training. This consultation will include a review of current document organization and retrieval practices to determine desired indexing methods, as well as other basic system set up needs. Once this information has been gathered and provided to the MCCi project manager, the basic folder structure, document naming scheme, scheme, and template set-up will be configured prior to onsite training.

Remote Installation and Configuration – Software installation and configuration may occur remotely as part of the Project Management services to ensure the onsite time purchased is focused on the direct objective. Please refer to the statement of work to determine if the onsite time will include installation and configuration.

Remote Training – Project Management services may be utilized for training administrators or users remotely if not providing onsite training. Please refer to the statement of work to determine the training model quoted.

Laserfiche Base Software Training Services

The client is provided with either instructor-led hands-on training or train-the-trainer training in the operation of the Laserfiche Software and Plug-ins, and the scope of all training services to be performed is notated in the Statement of Work. These services will be provided onsite or remote, please refer to the Statement of Work to determine which has been quoted. Below are some sample outlines based on user-roles and system modules:

System Administration Training

- Client and Server Installation Procedure
- Users and Groups – Active Directory
- Security
- Templates
- Tags
- Document Relationships

Records Management
Volumes
System Settings
Back Up Procedures
Troubleshooting Procedures
Technical Support Overview

Full User Training

Introduction to Laserfiche
Folders and the Folder Browser
Scanning and Importing
OCR and Full Text Indexing
Document Display
Index Card/Templates
Document Retrieval by Index Fields or Text (Searching)
Annotations
Extracting a Document from Laserfiche
Briefcasing and Migrating Documents
Customize Laserfiche
Volumes
Security
Advanced Features – Plug-ins

MCCi Advanced Implementation Services

**The following services listed have been included in your Statement of Work based on the recommendation of your Account Executive. Please consult with them for any questions.*

Laserfiche Forms Services

MCCi's Laserfiche Forms Services are designed to be highly collaborative. The goal is to provide a customized package for your organization. Whether you need direct assistance implementing Laserfiche Forms, or hands-on training to empower your organization to create and maintain electronic forms, or both, MCCi has options available. Please see your Statement of Work for the specific Laserfiche Forms Services quoted.

Forms Training Services Provided	Overview	Comprehensive
Training Duration	Up to 5 hours Remote	Up to 2 Days Remote/Onsite
Forms Designer	Yes	Yes
Process Modeler	Yes	Yes
Workflow Configuration (For Forms Process Modeler Integration, and Filing Only)	No	Yes
Forms Configuration (Up to 1 - Level 1 Form)	0	1

Forms Configuration Services Per Form	Level 1	Level 2	Level 3
Forms Design Services	Up to 15 Fields	Up to 30 Fields	Up to 50 Fields
Form Field and Data Look-up Rules*	Up 10 Rules	Up to 20 Rules	Up to 40 Rules
Process Modeler Configuration	Up to 5 Steps	Up to 10 Steps	Up to 20 Steps
Workflow Configuration (For Forms Process Modeler Integration, and Filing Only)	No	Yes	Yes
Custom Scripting (JScript or CSS)*	Call for Quote	Call for Quote	Call for Quote

**Please note:*

- Users submitting through the Forms Portal are limited to forms submission. Users cannot participate in the workflow/routing process within Laserfiche Forms Process Modeler or Laserfiche Workflow, unless they have a Laserfiche Named User License.
- All Forms Configuration Services are conducted remotely due to multiple decision points throughout the configuration, which may cause delays.
- Field Look-ups: Database Views and Queries must exist or be created by the customer prior to MCCi database lookup configuration.
- Java Script and CSS Scripting (if needed) are not included, unless otherwise notated in the pricing section of the Statement of Work.

To determine which products are included with your project, please refer to the Statement of Work

LASERFICHE AVANTE

Laserfiche Avante solution is a named user model and starts out with a feature rich system that is based on the number of people who will be using the system. It is designed for small to mid-size organizations and helps you capture, manage, distribute, and work with information in diverse working environments. Avante comes with Laserfiche Workflow and allows your organization to move beyond simple document routing to automate everyday tasks, optimize business processes, and share information with a wide variety of applications. Avante systems allow you to choose from multiple database platforms and incrementally expand the system with records management edition and other plug-ins such as Auditing, Web Access, Digital Signatures, and Batch Processing. The Laserfiche Avante pricing structure makes it simple and affordable to add new features and functionality to your Laserfiche system as your needs change.

LASERFICHE RIO

MCCi recommends the Laserfiche RIO solution for Enterprise clients that have a large volume of users, as well as the need for test environments and multiple servers/repositories. RIO and each RIO license comes coupled with Workflow, Web Access, Mobile Access, Snapshot, Email, Digital Signatures, and Advanced Audit Trail. This licensing structure makes it much easier on IT administration, especially when dealing with a large user base. In addition, RIO supports an unlimited number of application servers, as well as repositories, making it well suited for expansion and testing needs. RIO can connect either to MSSQL or Oracle for the backend database, and of course many of the same optional Laserfiche modules such as the Records Management, Batch Processing and Weblink Public Portal licenses are available with RIO.

LASERFICHE SOFTWARE FEATURES AND LICENSING

Feature	Avante	Rio	Comments
Database Options	SQL Express, SQL, Oracle	SQL, Oracle	
Retrieval Concurrent Users	Public Portal (Weblink)	Public Portal (Weblink)	
Full Named Users	Unlimited	25 – Unlimited	Includes Workflow, Email and Snapshot for Avante; Includes Workflow, Email, Snapshot, Digital Signatures, Web Access and Advanced Audit Trail for Rio.
Retrieval Named Users	n/a	200 – Unlimited	Includes Email capability. Minimum of 200 must be purchased.
Application Servers	1	Unlimited	
User License Model	Named	Named	
Repositories	1	Up 15 per Application Server	Avante: Up to 14 additional (for a total of 15) Repositories can be added at an additional cost.

			RIO: Each Application Server can have up to 15 Repositories attached. RIO allows for an unlimited number of Application Servers.
Workflow	Included	Included	
Snapshot	Included	Included	
Email	Included	Included	
WebAccess (Thin client access for named users)	Add-on option	Included	
Mobile Access	Requires WebAccess	Included	
Digital Signatures	Add-on option	Included	
Audit Trail	Add-on option (Options for Starter, Standard, Advanced)	Includes Advanced Audit Trail	
Public Portal (Weblink) Options	Weblink Public Portal license package options (5,10, 25, 50, Unlimited Single Processor, Unlimited Dual Processor, Unlimited Multi Processor)	Weblink Public Portal license package options (50, Unlimited Single Processor, Unlimited Dual Processor, Unlimited Multi Processor)	Avante Public Portal: The 5 concurrent license only allows for one security profile to be set. Unlimited versions are licensed per Laserfiche application server, and per processor. The licensed number of processors must be equal to or greater than the number of processors (CPUs) on the correlating Laserfiche application server. Note: Additional copies of the Unlimited Public Portal are needed if there is a need to connect the Public Portal to more than 1 Application Server.
Records Management	Add-on option	Add-on option	
Laserfiche Versions	Lf 8.1 and later	Lf 8.0.1 and later	
Web Admin Console	Included	Included	
Laserfiche Forms Users	Add-on option	Add-on option	The Laserfiche Forms User is a required add-on to all Laserfiche Full Named User licenses, and is a pre-requisite to all other Forms licensing options. This add-on will give the current Laserfiche Full Named Users full access (submission, process involvement, and approval rights) to Laserfiche Forms Server. The Laserfiche Forms Server can be installed multiple times, however each instance can only be associated with one Laserfiche application Server.
Laserfiche Forms Portal	Add-on option	Add-on option	Laserfiche Forms Users licensing is a prerequisite to being able to purchase Forms Portal licensing. The Forms Portal license allows Form submission from

			unlicensed (public) users. Forms Portal was also designed primarily for non-internal/public user submissions, therefore there is no Windows Authentication security validation provided. The users that access Forms through the Forms Portal can only submit forms (these users cannot participate in the business process after a form has been submitted). The Forms Portal is licensed to a specific Forms instance/server, rather than to the Laserfiche Application Server. Please note that if an organization desires to have a Forms Portal for internal users, as well as a Forms Portal for external users, and security protocol requires that these two Forms Portals reside on separate servers (one internal one external), multiple Forms Portal licenses are required.
Laserfiche Enterprise Forms Portal	Add-on option	Add-on option	The Enterprise Forms Portal License is recommended for Laserfiche Rio Customers that have multiple Laserfiche Application Servers, as well as for Laserfiche Avante (Avante only allows for one Laserfiche Application Server), but require more than two Forms Portal licenses (see Forms Portal description above). Enterprise Forms Portal is, indeed, unlimited Portals. Instead of allocating one or more Forms Servers as Portals, they all are automatically Forms Portals.
Laserfiche Authenticated Participants	Add-on option	Add-on option	Laserfiche Forms Users licensing is a prerequisite to being able to purchase Forms Authenticated Participant licensing. Forms Authenticated Participant licenses allow Non-Laserfiche Users to participate in Laserfiche Forms Process Modeler Business Processes, and allow for secure authentication when interacting with Laserfiche Forms. Forms Authenticated Participant licensing is recommended for all internal users that require authentication and/or intend to participate in more than just the Forms submission process, and for those users that do not have Laserfiche Full Named User licensing, but have a need to authenticate and participate in Laserfiche Forms Business Processes. A Forms Authenticated Participant license is required for each Forms Server that the user needs to submit to.
Upgrade Path	Rio	n/a	

LASERFICHE PLUG-INS

Laserfiche Plug-Ins, Utilities, and Tools

MCCi can provide additional Laserfiche Plug-ins Utilities, & Tools software. Laserfiche offers a selection of modules and development tools designed to let you tailor Laserfiche to meet your needs. Certain Plug-Ins may be bundled differently based on the Laserfiche platform. Please refer to the pricing page/statement of work to determine which modules have been proposed.

Capture Modules

Laserfiche ScanConnect™: allows ISIS scanning. A collection of ISIS scanner drivers is included with Laserfiche ScanConnect. These drivers allow images to be scanned through supported scanners. ScanConnect 7.x is can be purchased as an add-on to both Laserfiche scanning and Quick Fields.

Laserfiche Snapshot™: Laserfiche Snapshot is included with both Avante and RIO Full Named User Licenses, and can generate images and text from an electronic file (e.g. a Word document, a web page, a text editor, etc.). The files generated by Laserfiche Snapshot capture the content of the electronic file at the time that it was processed. In other words, they represent an accurate portrayal of an electronic file at a given point in time. The images and text created from an electronic file are then stored in a Laserfiche repository. As you can see, Laserfiche Snapshot can be used as a tool to archive a particular version of an electronic file. Laserfiche Snapshot can process any electronic file that can be opened with a Windows application that has printing capabilities. This feature is automatically included with every Full User purchase.

Laserfiche Import Agent: Laserfiche Import Agent is a capture tool that can bring files into a Laserfiche repository from the Windows file system. Any file that can be stored in Laserfiche can also be imported via Import Agent. What's more, Import Agent allows for scheduled and selective imports, so that users can set up specific criteria for what gets imported when.

OCR Scheduler for Laserfiche: MCCi developed this tool. It provides a simple and effective way to mass OCR documents in Laserfiche. It allows administrators to configure multiple OCR sessions. Sessions are created based on selecting folders within a specific Laserfiche Repository and scheduling the time to begin the OCR process. Benefits:

> ***Efficiency:*** Clients can schedule the tool to perform the OCR function, rather than tie up machines during the normal working rhythm.
>
> ***Support/Search Content:*** Leaving the responsibility in users hands to conduct OCR can lead to incomplete processing. The tool provides assurance that everything in need of OCR is being addressed without end user interaction.

"QuickFields" (QF) Batch Processing Tools: Quickfields is a suite of Batch Processing utilities created by Laserfiche. Avante and RIO bundle each of these features differently, which is reflected in the Statement of Work/Pricing section:

Laserfiche® Quick Fields™ automatically captures useful information from paper and electronic documents and organizes it for fast retrieval. Quick Fields transforms data capture from a costly and labor-intensive operation into an efficient process by collecting precise pieces of information from the masses of unstructured data flowing into your organization. Quick Fields improves the speed and accuracy of data capture while giving authorized staff instant access to the information they need to work effectively.

QF Bar Code Validation Package: The Bar Code add-on reads bar codes on a specified page in the document. The value returned by the bar code process can be used to identify a page, populate a field, determine the document name, or determine where the document will be stored. Bar Code is very powerful when combined with Real Time Lookup. Supported barcode formats: Codabar, CODE 39, CODE 128, EAN 8, EAN 13, Interleaved 2 of 5, UPCA, and UPCE.
QF Real-time Look up Validation Package: Lookup populates template fields and validates metadata by retrieving data stored in third-party databases and other applications.
QF Zone OCR Validation Package: Images that contain clearly printed or typed information can be converted to text files through a process called OCR (Optical Character Recognition). Once text has been extracted from an image, it can be sent along with the image to the repository. Once the document has been imported into the repository, the extracted text will be associated with the corresponding image in the document. The International Zone OCR add-on will scan a zone on an image for text. Only text found within the zone will be extracted. The data returned by this process can be used to identify a page, populate a field, determine the document name, or determine where the document will be stored. The International Zone OCR add-on can be installed when Quick Fields is first installed or after it has already been installed.
QF Forms Alignment: automatically repositions scanned documents to match a master form, correcting for scanning errors and improving data extraction.
QF Document Classification: designed for clients who deal with multiple forms, and will recognize and process multiple document types.
QF Auto Stamp/Redaction/Bates Numbering: The Bates stamp option is a document auto-numbering annotation option
QF Optical Mark Recognition: detects handwritten information, including marks on surveys, tests and ballots.
QF Agent: enables administrators to schedule forms processing around the clock and run Quick Fields sessions without operator intervention, reducing labor costs and optimizing business processes.
QF Forms Identification: automatically recognizes the form or document based on its overall structure, even in the absence of bar codes, form data or other distinguishing information.
QF Forms Extractor: removes form outlines to isolate data for more accurate capture.
QF Scripting Kit: Offers a script editor, which allows developers to write C# and VB.Net Scripts, and insert the scripts into a Quickfields Session.

Distribution Modules

Laserfiche Public Portal - WebLink™: The WebLink module publishes select documents in a Laserfiche repository to an intranet or the Internet in read-only form. Documents can be made available through the Web almost instantly, and users need only an Internet browser in order to access them. Built on ASP .NET, WebLink can be customized to match the look and feel of an organization's Internet or intranet site.
Laserfiche WebAccess: Laserfiche Web Access is a Web browser-based thin client offering virtually all of the document management capabilities of the standard Laserfiche interface. Web Access allows your IT staff to roll out high-volume Laserfiche access without increasing your organization's application support burden. Authorized users organization-wide enjoy simultaneous access to documents, whether they are using the corporate intranet or logging in from a branch office.

- Laserfiche Mobile Access Options: Laserfiche Web Access is required for any/all mobile access options. Web Access Light & Laserfiche Mobile are both options for providing mobile access to your Laserfiche solution:
  - Web Access Light: Designed for Blackberry, Chrome, Opera and Safari mobile browsers, offers a lightweight Web interface for popular mobile devices,

enabling users to search and retrieve documents, as well as approve documents and participate in workflow automation processes, while away from their desktop computers.

- The **Laserfiche Mobile iPhone app** takes advantage of the iPhone's touch screen, gesture recognition and high resolution interface to provide users with an immersive experience. Features include:
  - Create and upload new content with the iPhone camera.
  - Automatically crop, straighten and enhance captured information, with full text recognition.
  - Copy, move, rename, download, e-mail, print or delete content.
  - Browse for documents in a folder structure or search the entire repository
  - Participate in workflow automation processes by accessing metadata fields.
- The **Laserfiche Mobile iPad app** gives employees the ability to securely view and update content from wherever they are. Features include:
  - Provides secure access to documents and metadata
  - Enables users to create and upload new documents
  - Participate in Workflows on the go
- **Laserfiche Mobile for Android** allows you to :
  - Search across all documents in a repository
  - Pan, zoom, rotate, and easily access metadata while working with a document in the Document Viewer
  - Quickly create and upload new documents from your device's camera, images in your device's gallery, and files stored on your device
  - Full support for Laserfiche Business Processes, including starting business processes and viewing their details
  - Use personal libraries to create task lists or group related entries to make working with them faster and easier
  - Add, edit, and view entry metadata
  - Copy document text for use in other apps
  - Process, clean up, and compress captured documents for easier viewing
  - Capture the geographic coordinates of an image to allow linking documents to their mapped location
  - View and export PDFs and other electronic documents
  - E-mail document or folder links to colleagues
  - Manage documents using copy, move, rename, print, and delete
  - A variety of security options keep documents secure in Laserfiche and on your device
  - Widget lets you quickly upload new documents and images

Laserfiche Plus™ Laserfiche Plus allows the information stored in a Laserfiche repository to be portable. Laserfiche documents published by Laserfiche Plus can be viewed by anybody, regardless of whether they have Laserfiche installed. If these portable Laserfiche documents are sent to a company or site that already has Laserfiche installed, then that organization can also choose to attach those documents to their repository. This software prepares a copy of the Laserfiche files (images, text, electronic files, annotations, templates and field data) for burning directly to your

removable media or to a temporary directory. Choosing to publish to a temporary directory allows you to write it to your removable media at your convenience.

Laserfiche E-Mail Plug-in™ allows instant electronic document distribution via standard MAPI-compliant e-mail applications. This feature is automatically included in every Full User and Retrieval User license purchase.

Workflow Process Automation, Collaboration, and Tracking

Laserfiche Workflow: Efficiency and accountability-enhancing document routing, e-mail notification and audit trail reporting.

Laserfiche Digital Signatures: Laserfiche allows users to sign briefcases when exporting as well as documents stored in Laserfiche. These are two separate applications of digital signatures. Signing a briefcase file embeds the signature in the file along with the certificate associated with the signing key. The full certificate chain is embedded. This allows users to prove who created the briefcase and that the briefcase was not tampered with. Digitally signed briefcases may, but do not necessarily contain digitally signed documents. Digital signatures can be applied to documents stored in Laserfiche. The digital signatures are stored as metadata and are preserved when exporting a document in a volume or briefcase (whether or not the briefcase was itself signed).

- Users can digitally sign a document in the Laserfiche Client or Web Access to indicate their approval. Documents can also be countersigned by another user, which indicates approval of the document and the existing signature. Multiple signatures and countersignatures can be applied to a single document.
- Digital signatures are validated with signing certificates on the server and the repository, which verifies that a signature on a document is trustworthy. A signature becomes invalid if the certificate is expired or if a document has been modified since the signature was applied. Signature certificates are managed through the Laserfiche Administration Console or Web Administration Console. As a pre-requisite, the organization must have Digital Certificates set-up on the network, prior to implementing Laserfiche Digital Signatures.

Laserfiche Audit Trail Modules: Three levels of audit reporting to address your specific regulatory compliance and security needs.

The ***Starter Edition*** tracks basic events that occur in the repository and that involve accessing, modifying or exporting data. Basic events include creating, editing, printing or deleting documents, creating annotations, and assigning metadata.

The ***Standard Edition*** builds on the Starter Edition by tracking additional security- and access-related events. This edition can also track unsuccessful attempts to perform an action, such as failed attempts to access or print documents.

The ***Advanced Edition*** meets the needs of organizations in the most highly regulated environments. It includes all the functionality of the other two editions, and also tracks many more events including password changes, the creation or modification of users and groups, and changes to repository-wide settings. It can also track all the searches users perform, require users to enter reasons for performing certain actions, and automatically add watermarks to printed documents.

Electronic Forms

Laserfiche Forms allows organizations to create Web forms for collection and processing information electronically.

Laserfiche Forms has flexible design options to meet your organization's needs. You can:

- Create custom forms from a library of field or selection elements.

- Apply preset or custom themes, including page logo, colors, buttons, fonts, and more.
- Configure form elements to dynamically be displayed or hidden depending on user inputs or to be populated with data from external data sources.
- Automate business processes for form data to follow, such as decision-making, emailing, or approvals.
- Create custom form layouts and dynamic behaviors with CSS and JavaScript.

Role-based security is included to allow and restrict access to necessary functions for form submitters, reviewers, approvers, form creators, and system administrators.

Reporting tools allow different views of details on submitted forms such as:

- User view of details about all submitted forms.
- Approver "dashboard" of submissions awaiting approval.
- Administrator views of all submissions by form and approval status.

Forms can be used internally or externally (with the appropriate licensing). Publication options include login to forms system, public URL, secure URL, or embedded into a Web page.
Submitted data can be exported for further analysis or distribution.
Submitted forms can be utilized to initiate an email notification or start a workflow rule within Laserfiche.

Laserfiche Integration Plug-Ins

LF Integrator's Toolkit: Provides the tools & documentation necessary for customizing Laserfiche, and integrating Laserfiche with other applications.

Third Party Integration Plug-Ins:

- ***DataNow Affinity Integration*** – DataNow Affinity brings the power of Laserfiche document management to the applications you use most. Document searches can be reduced to a single click of a button. New documents can be added to your Laserfiche repository without manually entering template field values, file names, or folder locations. Affinity truly makes Laserfiche feel like part of your business software.
- ***RatchetX Integration*** – RatchetX is a configurable and robust middleware integration tool for Laserfiche. With a single click of a button, new documents can be added to Laserfiche from another application, and users can search Laserfiche directly from the applications they use most. RatchetX is unique in regards to the robust toolset it provides for accessing data from other applications (even the toughest proprietary systems), for use configuring the most common ECM integrations: Indexing, importing/scanning, and executing search queries. In addition, RatchetX provides the capability to create custom integration activities, such as populating a record in another system from the data extracted during the intake process in Laserfiche, or looking up a record in another system from the Laserfiche interface itself (Bi-directional Integration).
- ***LF Integrator GP*** – LF Integrator empowers Great Plains users to scan, search and link supporting documents in Laserfiche document management applications directly from the Great Plains menu bar. Link the document and workflow management power of Laserfiche with your current Great Plains implementation.
- ***LF Integrator AutoCAD*** – LF Integrator for AutoCAD allows you to store AutoCAD drawing files or associated documents in Laserfiche, including embedded cross reference files, directly from the AutoCAD menu. Launch Laserfiche scan or search modules using the drawing file for template or search criteria, or create a Laserfiche document template using the fields from any AutoCAD drawing title block with a single click.
- ***GeoDocs: GeoDocs™*** is a web-based software that seamlessly integrates ESRI ArcIMS (soon to be ArcGIS Server) and Laserfiche. Utilizing robust search capabilities, users of GeoDocs can access digital documents stored in a Laserfiche repository from within the web-based

GIS program and vice versa, access spatial information stored in a GIS from within the Laserfiche web client.

- *ImageSign for Laserfiche* – ImageSign for Laserfiche allows you to digitally sign documents inside of Laserfiche securely. There are also options for utilizing external signature pads to allow customers & external users to electronically sign documents.
  **Created & supported by MCCi only.*
- *LT Systems Laserfiche Integration* – LT Systems Laserfiche Integration allows users of the LT Systems Court solutions to archive court related documents into Laserfiche. Users can launch Laserfiche scan or searching windows from LT Systems and bring data and documents directly into Laserfiche while capturing metadata in LT Systems.
- **Created & supported by MCCi only.*

MCCi will provide necessary consultation upon request, as to the compatibility of current hardware with the Laserfiche System. Changes and recommendations will be made at the time of consultation. See system requirements below. Please keep in mind that these are the minimum system requirements as recommended by MCCi, and should be considered independently rather than collectively. Additionally, overhead for virtualization has not been factored in to these requirements.

MCCi does not recommend any version of Windows that is approaching or is beyond the "End of Extended Support Date" specified by Microsoft.

Scanning Station PC

OS	Windows 8 (32 or 64), Windows 7 (32 or 64), Windows Vista, Windows XP Professional (Service Pack 3 or later)
CPU	2.8 GHz processor or faster
Memory	2 GB RAM or more
Communications	TCP/IP
Web browser	Internet Explorer 6.0 or higher

Client

OS	Windows 8 (32 or 64), Windows 7 (32 or 64), Windows Vista, Windows XP Professional (Service Pack 3 or later)
CPU	1 GHz Processor or better, Performing OCR: Dual Core 2.8 GHz or faster processor
Memory	1 GB RAM or more, Performing OCR: 2 GB RAM
Communications	TCP/IP
Web browser	Internet Explorer 6.0 or higher

Batch Processing Quick Fields Machine

OS	Windows 8 (32 or 64), Windows 7 (32 or 64), Windows Vista, Windows XP Professional (Service Pack 3 or later)
CPU	2.8 GHz Processor or better, Performing OCR: Dual Core 2.8 GHz or faster processor
Memory	4 GB RAM or more
Communications	TCP/IP
High Volume Recommendation	Windows 7 x64 with 8 GB RAM, Intel Core 2 Duo Processors 3.33GHz

Laserfiche Application Server

OS	Windows Server 2012, Windows 2008 R2, Windows Server 2003 (Service Pack 1 or later)
CPU	Quad-Core Processor, 2.5 GHz Processor or better
Memory	4 - 8 GB RAM
Communications	TCP/IP

Image/File Server Storage

Typical usage factoring is 18,000 black/white standard size images per GB. Clients typically use a Network Attached Storage (NAS), Storage Area Network (SAN), or a Local Storage Device.

Database Management System

Avante SQL or Rio SQL	SQL Server 2012, SQL Server 2008 R2 Standard, Microsoft SQL Server 2005 (Service Pack 3 or later), Oracle 9i Release 2 (9.2.0.8+), Oracle 10g (10.2.0.4+), Oracle 11g (11.1.0.6+). For MSSQL, MCCi recommends storing the MDF and LDF on different drives. Growth of MDF to 10% – 15% and Log to 5% to 10% of cumulative Laserfiche Volume size is anticipated.
Avante SQL Express	Microsoft SQL Server 2008 Express Edition
	*Note: Oracle or Microsoft SQL Server must be purchased separately. You must additionally purchase enough licensing for your DBMS to support your Laserfiche installation.

Laserfiche Workflow Server

OS	Windows Server 2012, Windows 2008 R2, Windows Server 2003 (Service Pack 2 or later)
CPU	4 Core Processor, 2 GHz Processor or better
Memory	4 GB RAM
Communications	TCP/IP

Laserfiche Audit Trail Server

OS	Windows Server 2012, Windows 2008 R2, Windows Server 2003 (Service Pack 2 or later), IIS 6 or 7
CPU	Dual Core Processor, 2 GHz Processor or better
Memory	2 – 4 GB RAM
Communications	TCP/IP
Local Storage	C:\ Drive with 40GB or greater available

Web Module Server(s)

Required if	Installing "Web Access" or Public Portal- Weblink"
OS	Windows Server 2012 with IIS 8, Windows Server 2008 R2 with IIS 7, Windows Server 2003 with IIS 6
CPU	Dual Core 2.8 GHz or faster processor
Memory	2 GB RAM or more
Viewer	Web Browser (minimum versions): Laserfiche Web products operate most efficiently when using Internet Explorer 9. Other supported browsers are Firefox, Safari and Chrome
Note	Clients are responsible for any additional security protocol setup/associated fees, that are required to provide internal/external web access. An example would be setting up "Kerberos" for thin client active directory authentication, or setting up VPN access to allow Laserfiche's iPad/iPhone applications to connect through the Web Access server.

	Laserfiche Public Portal – Weblink Per Processor (Unlimited) licensing specifics: The Public Portal License allows unlimited connections per processor, however a large number of connections may affect the Laserfiche application server performance (one processor can handle roughly 100 to 150 concurrent retrieval connections). The client must have one Public Portal License for each Laserfiche application server they desire to connect to, and the Public Portal license must be licensed by the appropriate number of processors, which is required to match or exceed the CPUs/processors on the Laserfiche application server that the Public Portal will connect to. For example, the client must have a dual-processor or multiprocessor Public Portal license in order to connect to a Laserfiche Application Server that has two or more processors. Public Portal View Only Licenses may only be used with WebLink; they are not available for other applications.

OCR Scheduler for Laserfiche

OS	Windows Operation Systems: 32 & 64 bit
Requirements	Laserfiche Version 8 Server (runs as a service), Laserfiche Version 8 Client.
Recommendation	1 dedicated LF Named User license
Note	Does not support OCR for Electronic Documents

Scanners

Must use ISIS drivers to be compatible with Laserfiche ScanConnect software. Scanner compatibility should be confirmed by referencing the most up to date Laserfiche published supported scanner list at: http://laserfiche.com/static/Resources/scanlist.html.

Laserfiche Forms

Laserfiche Server	Version 8.3.2 or higher, Avante or Rio licensing model
Web Server	Windows Server 2008 with IIS 7 or 7.5, Windows Server 2012 or Windows 8 with IIS 8
CPU	Quad Core 2.9 GHz or faster processor
Memory	8 GB RAM or more
Database Server	Microsoft SQL Server 2008, 2008 R2, and 2012
Client	Laserfiche Forms can be viewed in Chrome, Firefox 3.5 and higher, Internet Explorer 7 and higher, Opera, and Safari (Mac only). It also supports mobile browsing from iPad 2 and higher. For best results we recommend using Internet Explorer 9 or higher, Firefox 12 or higher, or Chrome 6 or higher
Note	Internet Explorer 7 users should install Microsoft security update 947864 (MS08-024) The number of Forms application servers needed is dependent upon the number of Forms instances the client would like to install. Additionally if the Forms Portal module is intended to be installed outside the secure network clients would typically need an external Forms Server and an internal Forms Server. Please review Laserfiche Software Features and Licensing chart for additional information and consult with your MCCi representative on the proper licensing and configuration for your needs.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1342

File ID: 2014-1342 **Type:** Regular Agenda Item **Status:** Agenda Ready

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/26/2014

Brief Title: Accept FAA Grant offer in the amount of $133,217.00 and authorize Mayor to execute Offer Acceptance.

Final Action: 09/02/2014

Minute Book Number: MB2014-255-256

Title:

Acknowledge receipt of and accept US Department of Transportation Federal Aviation Administration (FAA) Grant Offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $133,217.00; Authorize Mayor to execute offer acceptance in duplicate.

Notes:

Sponsors:

Enactment Date:

Attachments: Rehabilitate runway 13 31 grant application - FAA, executed Rehabilitate runway 13 31 grant application - FAA, Fully Executed FAA Matching Grant - Runway 13-31 Rehab (Preliminary Design) & Land Acq

Enactment Number:

Contact:

Meeting Date: 09/02/2014

Drafter: Gene Polk

Effective Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Authorize				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Authorize execution and submission of the Federal Avation Administration Rehabilitate Runway 13/31 project grant apploicatoin (preliminary engineering) at Bobby L Chain Municipal Airport.

Mr. Rutland stated that MDOT will pay 5 percent of the city's 10 percent; this is for preliminary engineering of the runway.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea:	4	Council Member Bradley
		Council Member Delgado
		Council Member Dryden
		Council Member Naylor
ΓEL-No Vote:	0	

Text of Legislative File 2014-1342

Title

Acknowledge receipt of and accept US Department of Transportation Federal Aviation Administration (FAA) Grant Offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $133,217.00; Authorize Mayor to execute offer acceptance in duplicate.

Summary

Accept FAA Grant offer in the amount of $133,217.00 and authorize Mayor to execute Offer Acceptance.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

U.S. Department
of Transportation
Federal Aviation
Administration

GRANT AGREEMENT

PART I – OFFER

Date of Offer	August 15, 2014
Airport/Planning Area	Hattiesburg Bobby L. Chain Municipal Airport
AIP Grant Number	3-28-0031-021-2014
DUNS Number	079448130

TO: City of Hattiesburg, Mississippi (herein called the "Sponsor")

FROM: **The United States of America** (acting through the Federal Aviation Administration, herein called the "FAA")

WHEREAS, the Sponsor has submitted to the FAA a Project Application dated August 5, 2014, for a grant of Federal funds for a project at or associated with the Hattiesburg Bobby L. Chain Municipal Airport, which is included as part of this Grant Agreement; and

WHEREAS, the FAA has approved a project for the Hattiesburg Bobby L. Chain Municipal Airport (herein called the "Project") consisting of the following:

Rehabilitate Runway 13/31 (preliminary engineering)

which is more fully described in the Project Application.

NOW THEREFORE, According to the applicable provisions of the former Federal Aviation Act of 1958, as amended and recodified, 49 U.S.C. 40101, et seq., and the former Airport and Airway Improvement Act of 1982 (AAIA), as amended and recodified, 49 U.S.C. 47101, et seq., (herein the AAIA grant statute is referred to as "the Act"), the representations contained in the Project Application, and in consideration of (a) the Sponsor's adoption and ratification of the Grant Assurances dated April 3, 2014, and the Sponsor's acceptance of this Offer, and (b) the benefits to accrue to the United States and the public from the accomplishment of the Project and compliance with the Grant Assurances and conditions as herein provided,

THE FEDERAL AVIATION ADMINISTRATION, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay ninety (90) percent of the allowable costs incurred accomplishing the Project as the United States share of the Project.

This Offer is made on and **SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:**

CONDITIONS

1. **Maximum Obligation.** The maximum obligation of the United States payable under this Offer is **$133,217.00**.

   For the purposes of any future grant amendments which may increase the foregoing maximum obligation of the United States under the provisions of 49 U.S.C. § 47108(b), the following amounts are being specified for this purpose:
   $0.00 for planning
   $133,217.00 for airport development or noise program implementation
   $0.00 for land acquisition.

2. **Ineligible or Unallowable Costs.** The Sponsor must not include any costs in the project that the FAA has determined to be ineligible or unallowable.

3. **Determining the Final Federal Share of Costs**. The United States' share of allowable project costs will be made in accordance with the regulations, policies and procedures of the Secretary. Final determination of the United States' share will be based upon the final audit of the total amount of allowable project costs and settlement will be made for any upward or downward adjustments to the Federal share of costs.

4. **Completing the Project Without Delay and in Conformance with Requirements.** The Sponsor must carry out and complete the project without undue delays and in accordance with this agreement, and the regulations, policies and procedures of the Secretary. The Sponsor also agrees to comply with the assurances which are part of this agreement.

5. **Amendments or Withdrawals before Grant Acceptance.** The FAA reserves the right to amend or withdraw this offer at any time prior to its acceptance by the Sponsor.

6. **Offer Expiration Date.** This offer will expire and the United States will not be obligated to pay any part of the costs of the project unless this offer has been accepted by the Sponsor on or before September 11, 2014, or such subsequent date as may be prescribed in writing by the FAA.

7. **Improper Use of Federal Funds.** The Sponsor must take all steps, including litigation if necessary, to recover Federal funds spent fraudulently, wastefully, or in violation of Federal antitrust statutes, or misused in any other manner in any project upon which Federal funds have been expended. For the purposes of this grant agreement, the term "Federal funds" means funds however used or dispersed by the Sponsor that were originally paid pursuant to this or any other Federal grant agreement. The Sponsor must obtain the approval of the Secretary as to any determination of the amount of the Federal share of such funds. The Sponsor must return the recovered Federal share, including funds recovered by settlement, order, or judgment, to the Secretary. The Sponsor must furnish to the Secretary, upon request, all documents and records pertaining to the determination of the amount of the Federal share or to any settlement, litigation, negotiation, or other efforts taken to recover such funds. All settlements or other final positions of the Sponsor, in court or otherwise, involving the recovery of such Federal share require advance approval by the Secretary.

8. **United States Not Liable for Damage or Injury.** The United States is not be responsible or liable for damage to property or injury to persons which may arise from, or be incident to, compliance with this grant agreement.

9. **System for Award Management (SAM) Registration and Universal Identifier**.

   A. Requirement for System for Award Management (SAM): Unless the Sponsor is exempted from this requirement under 2 CFR 25.110, the Sponsor must maintain their information current in the SAM until the Sponsor submits the final financial report required under this grant, or receives the final payment, whichever is later. This requires that the Sponsor review and update the information at least annually after the initial registration and more frequently if required by changes in information or another award term. Additional information about registration procedures may be found at the SAM website (currently at http://www.sam.gov).

   B. Requirement for Data Universal Numbering System (DUNS) Numbers:

      1) The Sponsor must notify potential subrecipient that it cannot receive a contract unless it has provided its DUNS number to the Sponsor. A subrecipient means a consultant, contractor, or other entity that enters into an agreement with the Sponsor to provide services or other work to further this project, and is accountable to the Sponsor for the use of the Federal funds provided by the agreement, which may be provided through any legal agreement, including a contract.

      2) The Sponsor may not make an award to a subrecipient unless the subrecipient has provided its DUNS number to the Sponsor.

      3) Data Universal Numbering System: DUNS number means the nine-digit number established and assigned by Dun and Bradstreet, Inc. (D & B) to uniquely identify business entities. A DUNS number may be obtained from D & B by telephone (currently 866–492–0280) or the Internet (currently at http://fedgov.dnb.com/webform).

10. **Electronic Grant Payment(s).** Unless otherwise directed by the FAA, the Sponsor must make each payment request under this agreement electronically via the Delphi eInvoicing System for Department of Transportation (DOT) Financial Assistance Awardees.

11. **Informal Letter Amendment of AIP Projects.** If, during the life of the project, the FAA determines that the maximum grant obligation of the United States exceeds the expected needs of the Sponsor by $25,000 or five percent (5%), whichever is greater, the FAA can issue a letter to the Sponsor unilaterally reducing the maximum obligation. The FAA can also issue a letter to the Sponsor increasing the maximum obligation if there is an overrun in the total actual eligible and allowable project costs to cover the amount of the overrun provided it will not exceed the statutory limitations for grant amendments. If the FAA determines that a change in the grant description is advantageous and in the best interests of the United States, the FAA can issue a letter to the Sponsor amending the grant description.

    By issuing an Informal Letter Amendment, the FAA has changed the grant amount or grant description to the amount or description in the letter.

12. **Air and Water Quality.** The Sponsor is required to comply with all applicable air and water quality standards for all projects in this grant. If the Sponsor fails to comply with this requirement, the FAA may suspend, cancel, or terminate this grant.

13. **Financial Reporting and Payment Requirements.** The Sponsor will comply with all federal financial reporting requirements and payment requirements, including submittal of timely and accurate reports.

14. **Buy American.** Unless otherwise approved in advance by the FAA, the Sponsor will not acquire or permit any contractor or subcontractor to acquire any steel or manufactured products produced outside the United States to be used for any project for which funds are provided under this grant. The Sponsor will include a provision implementing Buy American in every contract.

15. **Maximum Obligation Increase for Nonprimary Airports.** In accordance with 49 U.S.C. § 47108(b), as amended, the maximum obligation of the United States, as stated in Condition No. 1 of this Grant Offer:

    A. May not be increased for a planning project;
    B. May be increased by not more than 15 percent for development projects;
    C. May be increased by not more than 15 percent or by an amount not to exceed 25 percent of the total increase in allowable costs attributable to the acquisition of land or interests in land, whichever is greater, based on current credible appraisals or a court award in a condemnation proceeding.

16. **Audits for Public Sponsors.** The Sponsor must provide for a Single Audit in accordance with 2 CFR Part 200. The Sponsor must submit the Single Audit reporting package to the Federal Audit Clearinghouse on the Federal Audit Clearinghouse's Internet Data Entry System at http://harvester.census.gov/facweb/. The Sponsor must also provide one copy of the completed 2 CFR Part 200 audit to the Airports District Office.

17. **Suspension or Debarment.** The Sponsor must inform the FAA when the Sponsor suspends or debars a contractor, person, or entity.

18. **Ban on Texting While Driving.**

    A. In accordance with Executive Order 13513, Federal Leadership on Reducing Text Messaging While Driving, October 1, 2009, and DOT Order 3902.10, Text Messaging While Driving, December 30, 2009, the Sponsor is encouraged to:

        1) Adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving when performing any work for, or on behalf of, the Federal government, including work relating to a grant or subgrant.

        2) Conduct workplace safety initiatives in a manner commensurate with the size of the business, such as:

            a. Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and
            b. Education, awareness, and other outreach to employees about the safety risks associated with texting while driving.

    B. The Sponsor must insert the substance of this clause on banning texting when driving in all subgrants, contracts and subcontracts.

19. **Trafficking in Persons.**

A. Prohibitions: The prohibitions against trafficking in persons (Prohibitions) that apply to any entity other than a State, local government, Indian tribe, or foreign public entity. This includes private Sponsors, public Sponsor employees, subrecipients of private or public Sponsors (private entity) are:

1) Engaging in severe forms of trafficking in persons during the period of time that the agreement is in effect;
2) Procuring a commercial sex act during the period of time that the agreement is in effect; or
3) Using forced labor in the performance of the agreement, including subcontracts or subagreements under the agreement.

B. In addition to all other remedies for noncompliance that are available to the FAA, Section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), allows the FAA to unilaterally terminate this agreement, without penalty, if a private entity –

1) Is determined to have violated the Prohibitions; or

2) Has an employee who the FAA determines has violated the Prohibitions through conduct that is either—
   a. Associated with performance under this agreement; or
   b. Imputed to the Sponsor or subrecipient using 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by the FAA at 49 CFR Part 29.

20. **Exhibit "A" Incorporated by Reference.** The Exhibit "A" Property Map dated October 12, 1976, is incorporated herein by reference or is submitted with the project application and made part of this grant agreement.

Special Conditions

1. **Preliminary Engineering**: This Phase 1 grant is being issued in order to conduct a Pavement Condition Index (PCI) survey and topographic survey, evaluate alternative solutions for runway rehabilitation, and prepare preliminary designs and cost estimates. The Sponsor understands and agrees that within **two (2)** years from the execution of this grant agreement that the Sponsor will accept, subject to the availability of federal funding as identified in the Airport Capital Improvement Plan (ACIP), a grant to complete the final design phase for list project type in detail, i.e. the pavement rehabilitation or for the construction of the project in order to provide a useful and useable facility. The Sponsor also understands that if the FAA has provided federal funding to complete the final design for the project, and the Sponsor has not completed the final design within **four (4)** years from the execution of this grant agreement, the FAA may suspend or terminate grants related to the design.

The Sponsor's acceptance of this Offer and ratification and adoption of the Project Application incorporated herein shall be evidenced by execution of this instrument by the Sponsor, as hereinafter provided, and this Offer and Acceptance shall comprise a Grant Agreement, as provided by the Act, constituting the contractual obligations and rights of the United States and the Sponsor with respect to the accomplishment of the Project and compliance with the assurances and conditions as provided herein. Such Grant Agreement shall become effective upon the Sponsor's acceptance of this Offer.

UNITED STATES OF AMERICA
FEDERAL AVIATION ADMINISTRATION

(Signature)

Rans D. Black

(Typed Name)

Manager, Airports District Office, Jackson, Mississippi

(Title)

PART II – ACCEPTANCE

The Sponsor does hereby ratify and adopt all assurances, statements, representations, warranties, covenants, and agreements contained in the Project Application and incorporated materials referred to in the foregoing Offer, and does hereby accept this Offer and by such acceptance agrees to comply with all of the terms and conditions in this Offer and in the Project Application.

I declare under penalty of perjury that the foregoing is true and correct.[1]

Executed this _____ day of _____, _____.

CITY OF HATTIESBURG, MISSISSIPPI
(Name of Sponsor)

_____
(Signature of Sponsor's Designated Official Representative)

By: _____
(Typed Name of Sponsor's Designated Official Representative)

Title: _____
(Title of Sponsor)

CERTIFICATE OF SPONSOR'S ATTORNEY

I, _____, acting as Attorney for the Sponsor do hereby certify:
(Typed or printed)

That in my opinion the Sponsor is empowered to enter into the foregoing Grant Agreement under the laws of the State of Mississippi. Further, I have examined the foregoing Grant Agreement and the actions taken by said Sponsor and Sponsor's official representative has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the said State and the Act. In addition, for grants involving projects to be carried out on property not owned by the Sponsor, there are no legal impediments that will prevent full performance by the Sponsor. Further, it is my opinion that the said Grant Agreement constitutes a legal and binding obligation of the Sponsor in accordance with the terms thereof.

Dated at _____ this _____ day of _____, _____.
(City and State where you certify grant execution)

By _____
(Signature of Sponsor's Attorney)

****

[1] Knowingly and willfully providing false information to the Federal government is a violation of 18 U.S.C. Section 1001 (False Statements) and could subject you to fines, imprisonment, or both.

U.S. Department
of Transportation
Federal Aviation
Administration

GRANT AGREEMENT

PART I – OFFER

Date of Offer	August 15, 2014
Airport/Planning Area	Hattiesburg Bobby L. Chain Municipal Airport
AIP Grant Number	3-28-0031-021-2014
DUNS Number	079448130

TO: City of Hattiesburg, Mississippi (herein called the "Sponsor")

FROM: **The United States of America** (acting through the Federal Aviation Administration, herein called the "FAA")

WHEREAS, the Sponsor has submitted to the FAA a Project Application dated August 5, 2014, for a grant of Federal funds for a project at or associated with the Hattiesburg Bobby L. Chain Municipal Airport, which is included as part of this Grant Agreement; and

WHEREAS, the FAA has approved a project for the Hattiesburg Bobby L. Chain Municipal Airport (herein called the "Project") consisting of the following:

Rehabilitate Runway 13/31 (preliminary engineering)

which is more fully described in the Project Application.

NOW THEREFORE, According to the applicable provisions of the former Federal Aviation Act of 1958, as amended and recodified, 49 U.S.C. 40101, et seq., and the former Airport and Airway Improvement Act of 1982 (AAIA), as amended and recodified, 49 U.S.C. 47101, et seq., (herein the AAIA grant statute is referred to as "the Act"), the representations contained in the Project Application, and in consideration of (a) the Sponsor's adoption and ratification of the Grant Assurances dated April 3, 2014, and the Sponsor's acceptance of this Offer, and (b) the benefits to accrue to the United States and the public from the accomplishment of the Project and compliance with the Grant Assurances and conditions as herein provided,

THE FEDERAL AVIATION ADMINISTRATION, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay ninety (90) percent of the allowable costs incurred accomplishing the Project as the United States share of the Project.

This Offer is made on and **SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:**

CONDITIONS

1. **Maximum Obligation.** The maximum obligation of the United States payable under this Offer is **$133,217.00.**

   For the purposes of any future grant amendments which may increase the foregoing maximum obligation of the United States under the provisions of 49 U.S.C. § 47108(b), the following amounts are being specified for this purpose:

   $0.00 for planning
   $133,217.00 for airport development or noise program implementation
   $0.00 for land acquisition.

2. **Ineligible or Unallowable Costs.** The Sponsor must not include any costs in the project that the FAA has determined to be ineligible or unallowable.

3. **Determining the Final Federal Share of Costs.** The United States' share of allowable project costs will be made in accordance with the regulations, policies and procedures of the Secretary. Final determination of the United States' share will be based upon the final audit of the total amount of allowable project costs and settlement will be made for any upward or downward adjustments to the Federal share of costs.

4. **Completing the Project Without Delay and in Conformance with Requirements.** The Sponsor must carry out and complete the project without undue delays and in accordance with this agreement, and the regulations, policies and procedures of the Secretary. The Sponsor also agrees to comply with the assurances which are part of this agreement.

5. **Amendments or Withdrawals before Grant Acceptance.** The FAA reserves the right to amend or withdraw this offer at any time prior to its acceptance by the Sponsor.

6. **Offer Expiration Date.** This offer will expire and the United States will not be obligated to pay any part of the costs of the project unless this offer has been accepted by the Sponsor on or before September 11, 2014, or such subsequent date as may be prescribed in writing by the FAA.

7. **Improper Use of Federal Funds.** The Sponsor must take all steps, including litigation if necessary, to recover Federal funds spent fraudulently, wastefully, or in violation of Federal antitrust statutes, or misused in any other manner in any project upon which Federal funds have been expended. For the purposes of this grant agreement, the term "Federal funds" means funds however used or dispersed by the Sponsor that were originally paid pursuant to this or any other Federal grant agreement. The Sponsor must obtain the approval of the Secretary as to any determination of the amount of the Federal share of such funds. The Sponsor must return the recovered Federal share, including funds recovered by settlement, order, or judgment, to the Secretary. The Sponsor must furnish to the Secretary, upon request, all documents and records pertaining to the determination of the amount of the Federal share or to any settlement, litigation, negotiation, or other efforts taken to recover such funds. All settlements or other final positions of the Sponsor, in court or otherwise, involving the recovery of such Federal share require advance approval by the Secretary.

8. **United States Not Liable for Damage or Injury.** The United States is not be responsible or liable for damage to property or injury to persons which may arise from, or be incident to, compliance with this grant agreement.

9. **System for Award Management (SAM) Registration and Universal Identifier.**

   A. Requirement for System for Award Management (SAM): Unless the Sponsor is exempted from this requirement under 2 CFR 25.110, the Sponsor must maintain their information current in the SAM until the Sponsor submits the final financial report required under this grant, or receives the final payment, whichever is later. This requires that the Sponsor review and update the information at least annually after the initial registration and more frequently if required by changes in information or another award term. Additional information about registration procedures may be found at the SAM website (currently at http://www.sam.gov).

   B. Requirement for Data Universal Numbering System (DUNS) Numbers:

      1) The Sponsor must notify potential subrecipient that it cannot receive a contract unless it has provided its DUNS number to the Sponsor. A subrecipient means a consultant, contractor, or other entity that enters into an agreement with the Sponsor to provide services or other work to further this project, and is accountable to the Sponsor for the use of the Federal funds provided by the agreement, which may be provided through any legal agreement, including a contract.

      2) The Sponsor may not make an award to a subrecipient unless the subrecipient has provided its DUNS number to the Sponsor.

      3) Data Universal Numbering System: DUNS number means the nine-digit number established and assigned by Dun and Bradstreet, Inc. (D & B) to uniquely identify business entities. A DUNS number may be obtained from D & B by telephone (currently 866–492–0280) or the Internet (currently at http://fedgov.dnb.com/webform).

10. **Electronic Grant Payment(s).** Unless otherwise directed by the FAA, the Sponsor must make each payment request under this agreement electronically via the Delphi eInvoicing System for Department of Transportation (DOT) Financial Assistance Awardees.

11. **Informal Letter Amendment of AIP Projects.** If, during the life of the project, the FAA determines that the maximum grant obligation of the United States exceeds the expected needs of the Sponsor by $25,000 or five percent (5%), whichever is greater, the FAA can issue a letter to the Sponsor unilaterally reducing the maximum obligation. The FAA can also issue a letter to the Sponsor increasing the maximum obligation if there is an overrun in the total actual eligible and allowable project costs to cover the amount of the overrun provided it will not exceed the statutory limitations for grant amendments. If the FAA determines that a change in the grant description is advantageous and in the best interests of the United States, the FAA can issue a letter to the Sponsor amending the grant description.

    By issuing an Informal Letter Amendment, the FAA has changed the grant amount or grant description to the amount or description in the letter.

12. **Air and Water Quality.** The Sponsor is required to comply with all applicable air and water quality standards for all projects in this grant. If the Sponsor fails to comply with this requirement, the FAA may suspend, cancel, or terminate this grant.

13. **Financial Reporting and Payment Requirements.** The Sponsor will comply with all federal financial reporting requirements and payment requirements, including submittal of timely and accurate reports.

14. **Buy American.** Unless otherwise approved in advance by the FAA, the Sponsor will not acquire or permit any contractor or subcontractor to acquire any steel or manufactured products produced outside the United States to be used for any project for which funds are provided under this grant. The Sponsor will include a provision implementing Buy American in every contract.

15. **Maximum Obligation Increase for Nonprimary Airports.** In accordance with 49 U.S.C. § 47108(b), as amended, the maximum obligation of the United States, as stated in Condition No. 1 of this Grant Offer:

    A. May not be increased for a planning project;
    B. May be increased by not more than 15 percent for development projects;
    C. May be increased by not more than 15 percent or by an amount not to exceed 25 percent of the total increase in allowable costs attributable to the acquisition of land or interests in land, whichever is greater, based on current credible appraisals or a court award in a condemnation proceeding.

16. **Audits for Public Sponsors.** The Sponsor must provide for a Single Audit in accordance with 2 CFR Part 200. The Sponsor must submit the Single Audit reporting package to the Federal Audit Clearinghouse on the Federal Audit Clearinghouse's Internet Data Entry System at http://harvester.census.gov/facweb/. The Sponsor must also provide one copy of the completed 2 CFR Part 200 audit to the Airports District Office.

17. **Suspension or Debarment.** The Sponsor must inform the FAA when the Sponsor suspends or debars a contractor, person, or entity.

18. **Ban on Texting While Driving.**

    A. In accordance with Executive Order 13513, Federal Leadership on Reducing Text Messaging While Driving, October 1, 2009, and DOT Order 3902.10, Text Messaging While Driving, December 30, 2009, the Sponsor is encouraged to:

        1) Adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving when performing any work for, or on behalf of, the Federal government, including work relating to a grant or subgrant.

        2) Conduct workplace safety initiatives in a manner commensurate with the size of the business, such as:

            a. Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and
            b. Education, awareness, and other outreach to employees about the safety risks associated with texting while driving.

    B. The Sponsor must insert the substance of this clause on banning texting when driving in all subgrants, contracts and subcontracts.

19. **Trafficking in Persons.**

A. Prohibitions: The prohibitions against trafficking in persons (Prohibitions) that apply to any entity other than a State, local government, Indian tribe, or foreign public entity. This includes private Sponsors, public Sponsor employees, subrecipients of private or public Sponsors (private entity) are:

1) Engaging in severe forms of trafficking in persons during the period of time that the agreement is in effect;
2) Procuring a commercial sex act during the period of time that the agreement is in effect; or
3) Using forced labor in the performance of the agreement, including subcontracts or subagreements under the agreement.

B. In addition to all other remedies for noncompliance that are available to the FAA, Section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), allows the FAA to unilaterally terminate this agreement, without penalty, if a private entity –

1) Is determined to have violated the Prohibitions; or

2) Has an employee who the FAA determines has violated the Prohibitions through conduct that is either—
   a. Associated with performance under this agreement; or
   b. Imputed to the Sponsor or subrecipient using 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by the FAA at 49 CFR Part 29.

20. **Exhibit "A" Incorporated by Reference.** The Exhibit "A" Property Map dated October 12, 1976, is incorporated herein by reference or is submitted with the project application and made part of this grant agreement.

Special Conditions

1. **Preliminary Engineering**: This Phase 1 grant is being issued in order to conduct a Pavement Condition Index (PCI) survey and topographic survey, evaluate alternative solutions for runway rehabilitation, and prepare preliminary designs and cost estimates. The Sponsor understands and agrees that within **two (2)** years from the execution of this grant agreement that the Sponsor will accept, subject to the availability of federal funding as identified in the Airport Capital Improvement Plan (ACIP), a grant to complete the final design phase for list project type in detail, i.e. the pavement rehabilitation or for the construction of the project in order to provide a useful and useable facility. The Sponsor also understands that if the FAA has provided federal funding to complete the final design for the project, and the Sponsor has not completed the final design within **four (4)** years from the execution of this grant agreement, the FAA may suspend or terminate grants related to the design.

The Sponsor's acceptance of this Offer and ratification and adoption of the Project Application incorporated herein shall be evidenced by execution of this instrument by the Sponsor, as hereinafter provided, and this Offer and Acceptance shall comprise a Grant Agreement, as provided by the Act, constituting the contractual obligations and rights of the United States and the Sponsor with respect to the accomplishment of the Project and compliance with the assurances and conditions as provided herein. Such Grant Agreement shall become effective upon the Sponsor's acceptance of this Offer.

UNITED STATES OF AMERICA
FEDERAL AVIATION ADMINISTRATION

(Signature)

Rans D. Black

(Typed Name)

Manager, Airports District Office, Jackson, Mississippi

(Title)

PART II – ACCEPTANCE

The Sponsor does hereby ratify and adopt all assurances, statements, representations, warranties, covenants, and agreements contained in the Project Application and incorporated materials referred to in the foregoing Offer, and does hereby accept this Offer and by such acceptance agrees to comply with all of the terms and conditions in this Offer and in the Project Application.

I declare under penalty of perjury that the foregoing is true and correct.[1]

Executed this 2nd day of September, 2014.

CITY OF HATTIESBURG, MISSISSIPPI
(Name of Sponsor)

(Signature of Sponsor's Designated Official Representative)

By: Johnny L. DuPree
(Typed Name of Sponsor's Designated Official Representative)

Title: Mayor
(Title of Sponsor)

CERTIFICATE OF SPONSOR'S ATTORNEY

I, Charles Lawrence, acting as Attorney for the Sponsor do hereby certify:
(Typed or printed)

That in my opinion the Sponsor is empowered to enter into the foregoing Grant Agreement under the laws of the State of Mississippi. Further, I have examined the foregoing Grant Agreement and the actions taken by said Sponsor and Sponsor's official representative has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the said State and the Act. In addition, for grants involving projects to be carried out on property not owned by the Sponsor, there are no legal impediments that will prevent full performance by the Sponsor. Further, it is my opinion that the said Grant Agreement constitutes a legal and binding obligation of the Sponsor in accordance with the terms thereof.

Dated at Hattiesburg, MS this 4th day of September, 2014.
(City and State where you certify grant execution)

By
(Signature of Sponsor's Attorney)

****

[1] Knowingly and willfully providing false information to the Federal government is a violation of 18 U.S.C. Section 1001 (False Statements) and could subject you to fines, imprisonment, or both.

Mark C. McConnell
Deputy Executive Director/
Chief Engineer

Charles R. Carr
Director
Office of Intermodal Planning

MDOT
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Melinda L. McGrath
Executive Director

Lisa M. Hancock
Deputy Executive Director/
Administration

Willie Huff
Director
Office of Enforcement

P. O. Box 1850 / Jackson, MS 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / GoMDOT.com

AERONAUTICS DIVISION
(601) 359-7850
Fax: (601) 359-7855

September 23, 2014

Ms. Sharon Waits
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Re: Executed FAA Matching Grant
AIP Project 3-28-0031-021-2014

Dear Ms. Waits:

Please find attached the executed FY2014 FAA matching grant for the Hattiesburg-Bobby L. Chain Airport.

Also, please keep in mind that the funds associated with this grant must be drawn down by **December 31, 2017**; otherwise, any remaining balance will be forfeited.

If you have any questions, please don't hesitate to give me a call.

Sincerely,

Thomas M. Booth, Jr., PE
Director of Aeronautics

Attachment

AIRPORT DEVELOPMENT AGREEMENT

Project No. AIP-3-28-0031-021-2014

Hattiesburg-Bobby L. Chain Airport

PART I - OFFER

TO: **City of Hattiesburg, Mississippi**
(hereinafter referred to as the SPONSOR)

FROM: **The MISSISSIPPI TRANSPORTATION COMMISSION**
(hereinafter referred to as the COMMISSION)

WHEREAS, Title 61 of the Mississippi Code of 1972, as amended, authorizes the COMMISSION, subject to the limitations and conditions stated therein, to render financial aid in the acquisition, development, operation or maintenance of airports and to aid in the establishment, development, and maintenance of the civil air patrol program; and,

WHEREAS, The SPONSOR submitted an Application for Federal Assistance (hereinafter referred to as Application) to the Federal Aviation Administration (hereinafter referred to as FAA) for federal financial assistance for development of the **Hattiesburg-Bobby L. Chain Airport** (hereinafter referred to as Airport), and the FAA subsequently issued a Grant Offer of federal funds, dated **August 15**, **2014** for Airport Improvement Project No. 3-28-0031-021-2014 (hereinafter referred to as Project) consisting of the following:

"**Rehabilitate runway (preliminary design only) and land acquisition**."

all as more particularly described in the plans and specifications for the Project which were approved by the FAA; and,

WHEREAS, the Application included a request to the COMMISSION for financial assistance in payment of the SPONSOR'S ten percent (10%) share of the Project costs;

NOW, THEREFORE, The COMMISSION HEREBY OFFERS AND AGREES to pay as the COMMISSION'S share, **$7,401**, of the eligible costs incurred in accomplishing the Project, subject to the following terms and conditions:

1. The maximum obligation of the COMMISSION payable under this offer shall be fifty percent (50%) of the SPONSOR'S share of the final eligible Project costs.

2. The SPONSOR shall:

a. expend an amount equal to, or greater than, five percent (5%) of the final Project costs.

b. carry out and complete the project **by December 30, 2017**, and in accordance with the approved plans and specifications or contracts for the project, incorporated herein by reference, and any revisions or modifications approved by the COMMISSION.

3. The SPONSOR is obligated to pay the full 10% sponsor share of any FAA Grant Amendments to increase the FAA funding participation in the Project.

4. Project payments pursuant to this Grant will be made for eligible costs documented by invoices for the work or services incurred in accomplishing the project within the period set forth in 2(b) above. Final payment will be made after final review and approval of the completed Project by the FAA and the COMMISSION and after all conditions relating to the Project have been satisfied.

5. The COMMISSION reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the SPONSOR.

6. This Offer shall expire and the COMMISSION shall not be obligated to pay any part of the costs of the Project unless this Offer has been accepted by the SPONSOR on or before **September 26, 2014** or such subsequent date as may be prescribed in writing by the COMMISSION.

7. The SPONSOR shall establish and maintain financial records of the Project in accordance with applicable State audit requirements and will make them available to personnel of the COMMISSION upon request.

8. All terms, conditions, and assurances contained in the FAA Grant Agreement for the project are incorporated herein by reference.

9. The SPONSOR shall carry out and complete (physical and financial) the project without undue delays and in accordance with the terms herein.

10. The SPONSOR will comply with the E-Verify Program described in the attached Supplemental Condition and by executing the form in Attachment C.

The SPONSOR'S acceptance of this Offer shall be evidenced by execution of this instrument by the SPONSOR and said offer and acceptance shall comprise an Airport Development Agreement, as provided by the COMMISSION constituting the obligations and rights of the COMMISSION and the SPONSOR with respect to the accomplishment of the Project. Such Airport Development Agreement shall become effective upon the SPONSOR'S acceptance of this Offer.

The COMMISSION executes all its orders and directives through the personnel of the MISSISSIPPI DEPARTMENT OF TRANSPORTATION. All notices and correspondence with or to the COMMISSION pursuant to the Project identified in this Agreement shall be directed to the Director, Aeronautics Division, Mississippi Department of Transportation.

This Agreement shall be governed by and construed under the laws of the State of Mississippi. Any term or provision or portion thereof which violates the laws of the State of Mississippi, shall be null and void.

Witness this my signature in execution hereof this the 23rd day of Sept., 2014.

MISSISSIPPI TRANSPORTATION COMMISSION, BY AND THROUGH THE DULY AUTHORIZED EXECUTIVE DIRECTOR OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION

for Melinda L. McGrath, PE

PART II - ACCEPTANCE

The **City of Hattiesburg, Mississippi** does hereby accept said Offer and all terms and conditions contained therein.

Witness this my signature in execution hereof this the 2nd day of September, 2014.

City of Hattiesburg, Mississippi

Attest: Sharon Watts

Deputy City Clerk
(Title)

By: [signature]

Mayor
(Title)

SUPPLEMENTAL CONDITIONS

Immigrant Status Certification/ E-Verify

The SPONSOR represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act, **Section 71-11-1, *et seq.* of the Mississippi Code Annotated (Supp 2008),** and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein, "status verification system" means the Illegal Immigration Reform and Immigration Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic verification system replacing the E-Verify Program. The SPONSOR agrees to maintain records of such compliance and, upon request of the State **and approval of the Social Security Administration or Department of Homeland Security, where required,** to provide a copy of each such verification to the State. The SPONSOR further represents and warrants that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. The SPONSOR understands and agrees that any breach of these warranties may subject the SPONSOR to the following: (a) termination of this GRANT and ineligibility for any State or public contract in Mississippi for up to three (3) years, with notice of such cancellation/termination being made public, or (b) the loss of any license, permit, certification or other document granted to the SPONSOR by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) both. In the event of such termination/cancellation, the SPONSOR would also be liable for any additional costs incurred by the State due to GRANT cancellation or loss of license or permit. The SPONSOR is required to provide the certification on Attachment "C" to this GRANT to the COMMISSION verifying that the SPONSOR and SUBCONTRACTOR/SUBRECIPIENT[s], if any, are registered and participating in E-Verify prior to execution of this GRANT.

It is agreed by the parties that no person employed by the SPONSOR pursuant to the provisions hereof will be considered an agent or employee of the COMMISSION or the Mississippi Department of Transportation.

It is further agreed by the parties that no provision of this GRANT is intended nor shall it be construed to give rise to a third party beneficiary claim on the person or entity not a party hereto.

ATTACHMENT C

CONSULTANT / CONTRACTOR EEV CERTIFICATION AND AGREEMENT

By executing this Certification and Agreement, the undersigned verifies its compliance with the "Mississippi Employment Protection Act," Section 71-11-1 et seq. Mississippi Code of 1972, as amended, and any rules or regulations promulgated by Mississippi Transportation Commission [MTC], Department of Employment Security, State Tax Commission, Secretary of State, Department of Human Services in accordance with the Mississippi Administrative Procedures Law (Section 25-43-1 et seq., Mississippi Code of 1972, as amended), stating affirmatively that the individual, firm or corporation which is contracting with MTC has registered with and is participating in a Federal work authorization program* operated by the United States Department of Homeland Security to electronically verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986, Pub. L. 99-603,100, Stat 3359, as amended. The undersigned agrees to inform the MTC if the undersigned is no longer registered or participating in the program.

The undersigned agrees that, should it employ or contract with any sub-consultant(s) and/or subcontractor(s) in connection with the performance of this GRANT, the undersigned will secure from such sub-consultant(s) and/or sub-contractor(s) verification of compliance with the Mississippi Employment Protection Act. The undersigned further agrees to maintain records of such compliance and provide a copy of each such verification to MTC, if requested, for the benefit of the MTC or this GRANT.

134257
EV* Company Identification Number [Required]

The undersigned certifies that the above information is complete, true and correct to the best of my knowledge and belief. The undersigned acknowledges that any violation may be subject to the cancellation of the GRANT, ineligibility for any State or public contract for up to three (3) years, the loss of any license, permit, certificate or other document granted by any agency, department or government entity for the right to do business in Mississippi for up to one (1) year, or both, any and all additional costs incurred because of the GRANT cancellation or the loss of any license or permit, and may be subject to additional felony prosecution for knowingly or recklessly accepting employment for compensation from an unauthorized alien as defined by 8 U.S.C §1324a(h)(3), said action punishable by imprisonment for not less than one (1) year nor more than five (5) years, a fine of not less than One Thousand Dollars ($1,000.00) nor more than Ten Thousand Dollars ($10,000.00), or both, in addition to such prosecution and penalties as provided by Federal law.

BY: _____, Authorized Officer or Agent — 9-2-14 Date

Johnny L. DuPree — Printed Name of Authorized Officer or Agent of the SPONSOR

Mayor — Title of Authorized Officer or Agent of the SPONSOR

SWORN TO AND SUBSCRIBED before me on this the 2nd day of September, 2014.

STATE OF MISSISSIPPI NOTARY PUBLIC ID NO. 87654 Commission Expires 02/12/2016 FORREST COUNTY

NOTARY PUBLIC
My Commission Expires: 2-12-2016

* As of the effective date of the Mississippi Employment Protection Act, the applicable Federal work authorization program is E-Verify™ operated by the U. S. Citizenship and Immigration Services of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1328

File ID: 2014-1328 **Type:** Regular Agenda Item **Status:** Approved

Version: 1 **Reference:** **In Control:** City Council

File Created: 08/20/2014

Brief Title: Accept MDOT Grant offer in the amount of $7,401.00 and authorize Mayor to execute Offer Acceptance in duplicate.

Final Action:

Minute Book Number: MB2014-256

Title:

Acknowledge receipt of and accept Mississippi Department of Transportation (MDOT) Grant offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $7,401.00; Authorize Mayor to execute Offer Acceptance in duplicate.

Notes:

Sponsors:

Enactment Date:

Attachments: Grant Offer MDOT 2014, executed Grant Offer MDOT 2014

Enactment Number:

Contact:

Meeting Date: 09/02/2014

Drafter: Gene Polk

Effective Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Acknowledge				Pass

Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Acknowledge receipt of and accept Mississippi Department of Transportation (MDOT) Grant offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $7,401.00; Authorize Mayor to execute Offer Acceptance in duplicate.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea: 4 Council Member Bradley
Council Member Delgado
Council Member Dryden
Council Member Naylor

ΓEL-No Vote: 0

Text of Legislative File 2014-1328

Title

Acknowledge receipt of and accept Mississippi Department of Transportation (MDOT) Grant offer dated August 15, 2014 for the Bobby L. Chain Municipal Airport Improvement Project identified as AIP Project No. 3-28-0031-021-2014 in the amount of $7,401.00; Authorize Mayor to execute Offer Acceptance in duplicate.

Summary

Accept MDOT Grant offer in the amount of $7,401.00 and authorize Mayor to execute Offer Acceptance in duplicate.

Budget Information

039551.7295.02
90% Federal
5% State
5% City

Expenditure Type

Grant

Purchasing Item

Publication Information

Mark C. McConnell
Deputy Executive Director/
Chief Engineer

Charles R. Carr
Director
Office of Intermodal Planning

MDOT
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Melinda L. McGrath
Executive Director

Lisa M. Hancock
Deputy Executive Director/
Administration

Willie Huff
Director
Office of Enforcement

P. O. Box 1850 / Jackson, MS 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / GoMDOT.com

AERONAUTICS DIVISION
(601) 359-7850
Fax: (601) 359-7855

August 15, 2014

Ms. Sharon Waits
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Re: MDOT Matching Grant
Hattiesburg-Bobby L. Chain Municipal Airport
AIP Project No. 3-28-0031-021-2014

Dear Ms. Waits:

Enclosed are two copies of an Airport Agreement to provide $7,401, which is one-half of the local share of the referenced project cost (5% of the total cost). If there are any cost overruns on the project you will be responsible for funding the 10% local share of the additional cost.

There is a state requirement that all recipients of state funds be enrolled in E-Verify Program. This is not your Tax ID number or your CCR number. If you have not already enrolled to get your EV number, please go to www.uscis.gov and follow the links.

If you find the offer satisfactory, please complete Part II Acceptance and the E-Verify Certification in Attachment C, and return all unfolded original executed agreements by **September 26, 2014** to the following mailing address:

MDOT – Aeronautics
P.O. Box 1850
Jackson, MS 39215-1850

Upon receipt, the Executive Director will execute the grant and an original will be mailed back to you.

If you have any questions, please call me at (601) 359-7850 or email at tbooth@mdot.ms.gov .

Sincerely,

Thomas M. Booth, Jr., P.E.
Director of Aeronautics

Enclosures

AIRPORT DEVELOPMENT AGREEMENT

Project No. AIP-3-28-0031-021-2014

Hattiesburg-Bobby L. Chain Airport

PART I - OFFER

TO: **City of Hattiesburg, Mississippi**
(hereinafter referred to as the SPONSOR)

FROM: **The MISSISSIPPI TRANSPORTATION COMMISSION**
(hereinafter referred to as the COMMISSION)

WHEREAS, Title 61 of the Mississippi Code of 1972, as amended, authorizes the COMMISSION, subject to the limitations and conditions stated therein, to render financial aid in the acquisition, development, operation or maintenance of airports and to aid in the establishment, development, and maintenance of the civil air patrol program; and,

WHEREAS, The SPONSOR submitted an Application for Federal Assistance (hereinafter referred to as Application) to the Federal Aviation Administration (hereinafter referred to as FAA) for federal financial assistance for development of the **Hattiesburg-Bobby L. Chain Airport** (hereinafter referred to as Airport), and the FAA subsequently issued a Grant Offer of federal funds, dated **August 15, 2014** for Airport Improvement Project No. 3-28-0031-021-2014 (hereinafter referred to as Project) consisting of the following:

"**Rehabilitate runway (preliminary design only) and land acquisition**."

all as more particularly described in the plans and specifications for the Project which were approved by the FAA; and,

WHEREAS, the Application included a request to the COMMISSION for financial assistance in payment of the SPONSOR'S ten percent (10%) share of the Project costs;

NOW, THEREFORE, The COMMISSION HEREBY OFFERS AND AGREES to pay as the COMMISSION'S share, **$7,401**, of the eligible costs incurred in accomplishing the Project, subject to the following terms and conditions:

1. The maximum obligation of the COMMISSION payable under this offer shall be fifty percent (50%) of the SPONSOR'S share of the final eligible Project costs.

2. The SPONSOR shall:

a. expend an amount equal to, or greater than, five percent (5%) of the final Project costs.

b. carry out and complete the project **by December 30, 2017**, and in accordance with the approved plans and specifications or contracts for the project, incorporated herein by reference, and any revisions or modifications approved by the COMMISSION.

3. The SPONSOR is obligated to pay the full 10% sponsor share of any FAA Grant Amendments to increase the FAA funding participation in the Project.

4. Project payments pursuant to this Grant will be made for eligible costs documented by invoices for the work or services incurred in accomplishing the project within the period set forth in 2(b) above. Final payment will be made after final review and approval of the completed Project by the FAA and the COMMISSION and after all conditions relating to the Project have been satisfied.

5. The COMMISSION reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the SPONSOR.

6. This Offer shall expire and the COMMISSION shall not be obligated to pay any part of the costs of the Project unless this Offer has been accepted by the SPONSOR on or before **September 26, 2014** or such subsequent date as may be prescribed in writing by the COMMISSION.

7. The SPONSOR shall establish and maintain financial records of the Project in accordance with applicable State audit requirements and will make them available to personnel of the COMMISSION upon request.

8. All terms, conditions, and assurances contained in the FAA Grant Agreement for the project are incorporated herein by reference.

9. The SPONSOR shall carry out and complete (physical and financial) the project without undue delays and in accordance with the terms herein.

10. The SPONSOR will comply with the E-Verify Program described in the attached Supplemental Condition and by executing the form in Attachment C.

The SPONSOR'S acceptance of this Offer shall be evidenced by execution of this instrument by the SPONSOR and said offer and acceptance shall comprise an Airport Development Agreement, as provided by the COMMISSION constituting the obligations and rights of the COMMISSION and the SPONSOR with respect to the accomplishment of the Project. Such Airport Development Agreement shall become effective upon the SPONSOR'S acceptance of this Offer.

The COMMISSION executes all its orders and directives through the personnel of the MISSISSIPPI DEPARTMENT OF TRANSPORTATION. All notices and correspondence with or to the COMMISSION pursuant to the Project identified in this Agreement shall be directed to the Director, Aeronautics Division, Mississippi Department of Transportation.

This Agreement shall be governed by and construed under the laws of the State of Mississippi. Any term or provision or portion thereof which violates the laws of the State of Mississippi, shall be null and void.

Witness this my signature in execution hereof this the ____ day of _____, 2014.

MISSISSIPPI TRANSPORTATION COMMISSION, BY AND THROUGH THE DULY AUTHORIZED EXECUTIVE DIRECTOR OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION

_____
Melinda L. McGrath, PE

PART II - ACCEPTANCE

The **City of Hattiesburg, Mississippi** does hereby accept said Offer and all terms and conditions contained therein.

Witness this my signature in execution hereof this the ____ day of _____, 2014.

City of Hattiesburg, Mississippi

Attest: _____ By: _____

_____ _____
(Title) (Title)

SUPPLEMENTAL CONDITIONS

Immigrant Status Certification/ E-Verify

The SPONSOR represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act, **Section 71-11-1, *et seq.* of the Mississippi Code Annotated (Supp 2008),** and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein, "status verification system" means the Illegal Immigration Reform and Immigration Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic verification system replacing the E-Verify Program. The SPONSOR agrees to maintain records of such compliance and, upon request of the State **and approval of the Social Security Administration or Department of Homeland Security, where required,** to provide a copy of each such verification to the State. The SPONSOR further represents and warrants that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. The SPONSOR understands and agrees that any breach of these warranties may subject the SPONSOR to the following: (a) termination of this GRANT and ineligibility for any State or public contract in Mississippi for up to three (3) years, with notice of such cancellation/termination being made public, or (b) the loss of any license, permit, certification or other document granted to the SPONSOR by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) both. In the event of such termination/cancellation, the SPONSOR would also be liable for any additional costs incurred by the State due to GRANT cancellation or loss of license or permit. The SPONSOR is required to provide the certification on Attachment "C" to this GRANT to the COMMISSION verifying that the SPONSOR and SUBCONTRACTOR/SUBRECIPIENT[s], if any, are registered and participating in E-Verify prior to execution of this GRANT.

It is agreed by the parties that no person employed by the SPONSOR pursuant to the provisions hereof will be considered an agent or employee of the COMMISSION or the Mississippi Department of Transportation.

It is further agreed by the parties that no provision of this GRANT is intended nor shall it be construed to give rise to a third party beneficiary claim on the person or entity not a party hereto.

ATTACHMENT C

CONSULTANT / CONTRACTOR EEV CERTIFICATION AND AGREEMENT

By executing this Certification and Agreement, the undersigned verifies its compliance with the "Mississippi Employment Protection Act," Section 71-11-1 et seq. Mississippi Code of 1972, as amended, and any rules or regulations promulgated by Mississippi Transportation Commission [MTC], Department of Employment Security, State Tax Commission, Secretary of State, Department of Human Services in accordance with the Mississippi Administrative Procedures Law (Section 25-43-1 et seq., Mississippi Code of 1972, as amended), stating affirmatively that the individual, firm or corporation which is contracting with MTC has registered with and is participating in a Federal work authorization program* operated by the United States Department of Homeland Security to electronically verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986, Pub. L. 99-603,100, Stat 3359, as amended. The undersigned agrees to inform the MTC if the undersigned is no longer registered or participating in the program.

The undersigned agrees that, should it employ or contract with any sub-consultant(s) and/or subcontractor(s) in connection with the performance of this GRANT, the undersigned will secure from such sub-consultant(s) and/or sub-contractor(s) verification of compliance with the Mississippi Employment Protection Act. The undersigned further agrees to maintain records of such compliance and provide a copy of each such verification to MTC, if requested, for the benefit of the MTC or this GRANT.

_____
EV* Company Identification Number [Required]

The undersigned certifies that the above information is complete, true and correct to the best of my knowledge and belief. The undersigned acknowledges that any violation may be subject to the cancellation of the GRANT, ineligibility for any State or public contract for up to three (3) years, the loss of any license, permit, certificate or other document granted by any agency, department or government entity for the right to do business in Mississippi for up to one (1) year, or both, any and all additional costs incurred because of the GRANT cancellation or the loss of any license or permit, and may be subject to additional felony prosecution for knowingly or recklessly accepting employment for compensation from an unauthorized alien as defined by 8 U.S.C §1324a(h)(3), said action punishable by imprisonment for not less than one (1) year nor more than five (5) years, a fine of not less than One Thousand Dollars ($1,000.00) nor more than Ten Thousand Dollars ($10,000.00), or both, in addition to such prosecution and penalties as provided by Federal law.

BY:_____ _____
, Authorized Officer or Agent — Date

_____ _____
Printed Name of Authorized Officer or Agent of the SPONSOR — Title of Authorized Officer or Agent of the SPONSOR

SWORN TO AND SUBSCRIBED before me on this the _____ day of _____, 20___.

_____
NOTARY PUBLIC
My Commission Expires:_____

* As of the effective date of the Mississippi Employment Protection Act, the applicable Federal work authorization program is E-Verify™ operated by the U. S. Citizenship and Immigration Services of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration.

AIRPORT DEVELOPMENT AGREEMENT

Project No. AIP-3-28-0031-021-2014

Hattiesburg-Bobby L. Chain Airport

PART I - OFFER

TO: **City of Hattiesburg, Mississippi**
(hereinafter referred to as the SPONSOR)

FROM: **The MISSISSIPPI TRANSPORTATION COMMISSION**
(hereinafter referred to as the COMMISSION)

WHEREAS, Title 61 of the Mississippi Code of 1972, as amended, authorizes the COMMISSION, subject to the limitations and conditions stated therein, to render financial aid in the acquisition, development, operation or maintenance of airports and to aid in the establishment, development, and maintenance of the civil air patrol program; and,

WHEREAS, The SPONSOR submitted an Application for Federal Assistance (hereinafter referred to as Application) to the Federal Aviation Administration (hereinafter referred to as FAA) for federal financial assistance for development of the **Hattiesburg-Bobby L. Chain Airport** (hereinafter referred to as Airport), and the FAA subsequently issued a Grant Offer of federal funds, dated **August 15, 2014** for Airport Improvement Project No. 3-28-0031-021-2014 (hereinafter referred to as Project) consisting of the following:

"**Rehabilitate runway (preliminary design only) and land acquisition.**"

all as more particularly described in the plans and specifications for the Project which were approved by the FAA; and,

WHEREAS, the Application included a request to the COMMISSION for financial assistance in payment of the SPONSOR'S ten percent (10%) share of the Project costs;

NOW, THEREFORE, The COMMISSION HEREBY OFFERS AND AGREES to pay as the COMMISSION'S share, **$7,401**, of the eligible costs incurred in accomplishing the Project, subject to the following terms and conditions:

1. The maximum obligation of the COMMISSION payable under this offer shall be fifty percent (50%) of the SPONSOR'S share of the final eligible Project costs.

2. The SPONSOR shall:

a. expend an amount equal to, or greater than, five percent (5%) of the final Project costs.

b. carry out and complete the project **by December 30, 2017**, and in accordance with the approved plans and specifications or contracts for the project, incorporated herein by reference, and any revisions or modifications approved by the COMMISSION.

3. The SPONSOR is obligated to pay the full 10% sponsor share of any FAA Grant Amendments to increase the FAA funding participation in the Project.

4. Project payments pursuant to this Grant will be made for eligible costs documented by invoices for the work or services incurred in accomplishing the project within the period set forth in 2(b) above. Final payment will be made after final review and approval of the completed Project by the FAA and the COMMISSION and after all conditions relating to the Project have been satisfied.

5. The COMMISSION reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the SPONSOR.

6. This Offer shall expire and the COMMISSION shall not be obligated to pay any part of the costs of the Project unless this Offer has been accepted by the SPONSOR on or before **September 26, 2014** or such subsequent date as may be prescribed in writing by the COMMISSION.

7. The SPONSOR shall establish and maintain financial records of the Project in accordance with applicable State audit requirements and will make them available to personnel of the COMMISSION upon request.

8. All terms, conditions, and assurances contained in the FAA Grant Agreement for the project are incorporated herein by reference.

9. The SPONSOR shall carry out and complete (physical and financial) the project without undue delays and in accordance with the terms herein.

10. The SPONSOR will comply with the E-Verify Program described in the attached Supplemental Condition and by executing the form in Attachment C.

The SPONSOR'S acceptance of this Offer shall be evidenced by execution of this instrument by the SPONSOR and said offer and acceptance shall comprise an Airport Development Agreement, as provided by the COMMISSION constituting the obligations and rights of the COMMISSION and the SPONSOR with respect to the accomplishment of the Project. Such Airport Development Agreement shall become effective upon the SPONSOR'S acceptance of this Offer.

The COMMISSION executes all its orders and directives through the personnel of the MISSISSIPPI DEPARTMENT OF TRANSPORTATION. All notices and correspondence with or to the COMMISSION pursuant to the Project identified in this Agreement shall be directed to the Director, Aeronautics Division, Mississippi Department of Transportation.

This Agreement shall be governed by and construed under the laws of the State of Mississippi. Any term or provision or portion thereof which violates the laws of the State of Mississippi, shall be null and void.

Witness this my signature in execution hereof this the _____ day of _____, 2014.

MISSISSIPPI TRANSPORTATION COMMISSION, BY AND THROUGH THE DULY AUTHORIZED EXECUTIVE DIRECTOR OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION

_____
Melinda L. McGrath, PE

PART II - ACCEPTANCE

The **City of Hattiesburg, Mississippi** does hereby accept said Offer and all terms and conditions contained therein.

Witness this my signature in execution hereof this the 2nd day of September, 2014.

City of Hattiesburg, Mississippi

Attest: Sharon Waits
Deputy City Clerk
(Title)

By: _____
Mayor
(Title)

SUPPLEMENTAL CONDITIONS

Immigrant Status Certification/ E-Verify

The SPONSOR represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act, **Section 71-11-1, *et seq.* of the Mississippi Code Annotated (Supp 2008),** and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein, "status verification system" means the Illegal Immigration Reform and Immigration Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic verification system replacing the E-Verify Program. The SPONSOR agrees to maintain records of such compliance and, upon request of the State **and approval of the Social Security Administration or Department of Homeland Security, where required,** to provide a copy of each such verification to the State. The SPONSOR further represents and warrants that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. The SPONSOR understands and agrees that any breach of these warranties may subject the SPONSOR to the following: (a) termination of this GRANT and ineligibility for any State or public contract in Mississippi for up to three (3) years, with notice of such cancellation/termination being made public, or (b) the loss of any license, permit, certification or other document granted to the SPONSOR by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) both. In the event of such termination/cancellation, the SPONSOR would also be liable for any additional costs incurred by the State due to GRANT cancellation or loss of license or permit. The SPONSOR is required to provide the certification on Attachment "C" to this GRANT to the COMMISSION verifying that the SPONSOR and SUBCONTRACTOR/SUBRECIPIENT[s], if any, are registered and participating in E-Verify prior to execution of this GRANT.

It is agreed by the parties that no person employed by the SPONSOR pursuant to the provisions hereof will be considered an agent or employee of the COMMISSION or the Mississippi Department of Transportation.

It is further agreed by the parties that no provision of this GRANT is intended nor shall it be construed to give rise to a third party beneficiary claim on the person or entity not a party hereto.

ATTACHMENT C

CONSULTANT / CONTRACTOR EEV CERTIFICATION AND AGREEMENT

By executing this Certification and Agreement, the undersigned verifies its compliance with the "Mississippi Employment Protection Act," Section 71-11-1 et seq. Mississippi Code of 1972, as amended, and any rules or regulations promulgated by Mississippi Transportation Commission [MTC], Department of Employment Security, State Tax Commission, Secretary of State, Department of Human Services in accordance with the Mississippi Administrative Procedures Law (Section 25-43-1 et seq., Mississippi Code of 1972, as amended), stating affirmatively that the individual, firm or corporation which is contracting with MTC has registered with and is participating in a Federal work authorization program* operated by the United States Department of Homeland Security to electronically verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986, Pub. L. 99-603,100, Stat 3359, as amended. The undersigned agrees to inform the MTC if the undersigned is no longer registered or participating in the program.

The undersigned agrees that, should it employ or contract with any sub-consultant(s) and/or subcontractor(s) in connection with the performance of this GRANT, the undersigned will secure from such sub-consultant(s) and/or sub-contractor(s) verification of compliance with the Mississippi Employment Protection Act. The undersigned further agrees to maintain records of such compliance and provide a copy of each such verification to MTC, if requested, for the benefit of the MTC or this GRANT.

134257
EV* Company Identification Number [Required]

The undersigned certifies that the above information is complete, true and correct to the best of my knowledge and belief. The undersigned acknowledges that any violation may be subject to the cancellation of the GRANT, ineligibility for any State or public contract for up to three (3) years, the loss of any license, permit, certificate or other document granted by any agency, department or government entity for the right to do business in Mississippi for up to one (1) year, or both, any and all additional costs incurred because of the GRANT cancellation or the loss of any license or permit, and may be subject to additional felony prosecution for knowingly or recklessly accepting employment for compensation from an unauthorized alien as defined by 8 U.S.C §1324a(h)(3), said action punishable by imprisonment for not less than one (1) year nor more than five (5) years, a fine of not less than One Thousand Dollars ($1,000.00) nor more than Ten Thousand Dollars ($10,000.00), or both, in addition to such prosecution and penalties as provided by Federal law.

BY: _____, Authorized Officer or Agent

9-2-14
Date

Johnny L. DuPree
Printed Name of Authorized Officer or Agent of the SPONSOR

Mayor
Title of Authorized Officer or Agent of the SPONSOR

SWORN TO AND SUBSCRIBED before me on this the 2nd day of September, 2014.

STATE OF MISSISSIPPI
KERMAS EATON
ID NO. 87654
Commission Expires
02/12/2016
NOTARY PUBLIC
FORREST COUNTY

NOTARY PUBLIC
My Commission Expires: 2-12-2016

* As of the effective date of the Mississippi Employment Protection Act, the applicable Federal work authorization program is E-Verify™ operated by the U. S. Citizenship and Immigration Services of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1337

File ID:	2014-1337	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	2	**Reference:**		**In Control:**	City Council
				File Created:	08/25/2014
Brief Title:	Set Appeal Hearing - 307 S. 23rd Ave			**Final Action:**	
				Minute Book Number:	MB2014-256

Title: Acknowledge receipt of requests filed by Ross & Candice Santell, to appeal the Hattiesburg Historic Conservation Commission's denial to remove a tree from the front yard of a certain property located at 307 S. 23rd Ave. (Hattiesburg Historic Conservation Commission DENIED the application on August 13, 2014); set a public hearing before Council on October 6, 2014 at 4:00 p.m.; and authorize publication of Public Notice setting an Appeal Public Hearing.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	EXERPT OF MINUTES 8-13-14, Hattiesburg APPEAL FORM 307 S 23rd ave, 307 s 23rd ave	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:		**Effective Date:**	

History of Legislative File

Ver-sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
2	City Council	09/02/2014					

Text of Legislative File 2014-1337

Title

Acknowledge receipt of requests filed by Ross & Candice Santell, to appeal the Hattiesburg Historic Conservation Commission's denial to remove a tree from the front yard of a certain property located at 307 S. 23rd Ave. (Hattiesburg Historic Conservation Commission DENIED the application on August 13, 2014); set a public hearing before Council on October 6, 2014 at 4:00 p.m.; and authorize publication of Public Notice setting an Appeal Public Hearing.

Summary

Set Appeal Hearing - 307 S. 23rd Ave.

EXERPT OF MINUTES OF THE MEETING OF THE

HATTIESBURG HISTORIC CONSERVATION COMMISSION

Wednesday, August 13, 2014

The Hattiesburg Historic Conservation Commission met August 13, 2014, at 12:00 p.m. in the Dining Room of the Jackie Dole Sherrill Community Center, 220 W. Front St., Hattiesburg, Mississippi, William Wicht, Jr., Chairman, presided.

Commissioners present: Mary Halliwell
Deborah Hardy
Michelle Heidelberg
Newton Fawcett, Vice-Chairman
Sarah Newton
William Wicht, Jr., Chairman

Commissioners absent: Michael Anderson

Staff present: Pattie Brantley, Urban Development Director
Michael Maret, Planner
Wiley Quinn, Code Enforcement Manager
Andy Parker, City Arborist

AGENDA

There came the matter of the agenda for the meeting of August 13, 2014. A motion was made by Commissioner Hardy and seconded by Commissioner Halliwell that the agenda be approved. The motion carried.

MINUTES

There came the matter of the minutes for the July 9, 2014 meeting. A motion was made by Commissioner Fawcett and seconded by Commissioner Halliwell that the minutes be approved. The motioned carried.

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Public Hearing

There came the matter of the application for a Certificate of Appropriateness filed by Candice Santell, Owner, to remove a tree located at 307 S. 23rd Ave.

	Name	Title
Presented by:	Misty Corts	Representative
Others to speak:	Glenn Nees	Parkhaven Neighborhood Asso.
	Ben Pace	Neighbor

Discussion and Vote

Motion: Deny the application on the basis that the tree was and is in good health and contributes to the character of the Parkhaven Neighborhood.

Motion made by: Deborah Hardy

Motion seconded by: Mary Halliwell

Commissioners voting aye: All present and voting

Commissioners voting nay: None

Commissioners abstaining: None

Send to:
Ginger Maddox, Planner
Dept. of Urban Development
P.O. Box 1898
Hattiesburg, MS 39403
601.554.1031 or fax 601.545.1962

REQUEST TO APPEAL HISTORIC CONSERVATION COMMISSION DECISION

Today's Date: 8/20/2014
Historic Conservation Commission Meeting Date: 8/13/2014 *(Appeals must be made within 10 consecutive days of the decision)*
Name of Property Owner/Petitioner: Ross and Candice Santell
Name of Person Requesting Appeal Hearing: Ross and Candice Santell
Mailing Address of Person Requesting Appeal Hearing: 917 Xenia Avenue, Yellow Springs, OH 45387
Address of Petitioned Property: 307 S. 23rd Ave.
Petitioner's Request of the Historic Commission: We would like to remove a large pine tree located very close to the house in the front yard of the property. Reason for removal is: 1) to protect the home from damage during windy conditions, as the tree is old and branches are falling: note the quote on the WLOX web site (Arborist Eric Nolan stated the city (of Biloxi) can issue permits to cut down up to five protected trees per development. Any more than that requires a hearing before the planning commission. He said pines, pecan trees, and popcorn trees are exempt from that requirement because they tend to have structural problems as they get larger) and 2) reduce the risk of lightning strike to the house. Removing the tree will prevent subsequent damage resulting from both events.
Historic Commission's Decision: *Approve or Deny*

I/We hereby APPEAL the Historic Conservation Commission Decision for the above referenced petition and request to hold a Public Hearing before the Hattiesburg City Council.

_

_____
Petitioner (signature)

_____
Petitioner (signature)

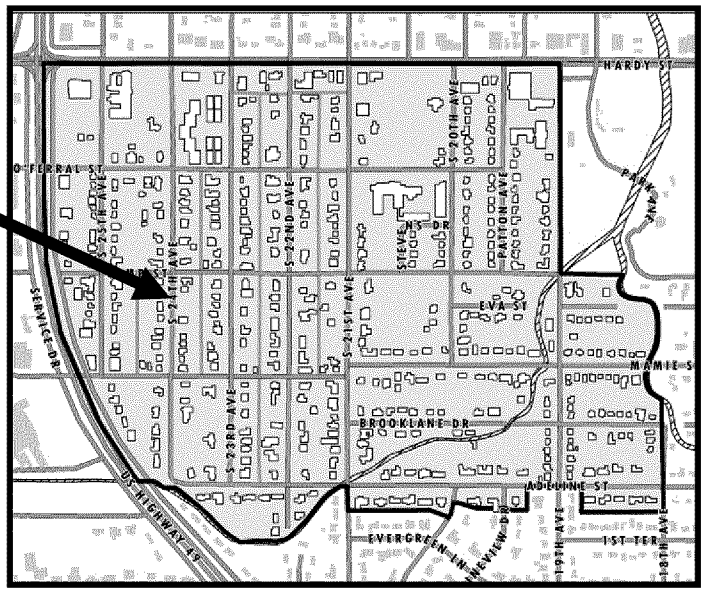
Hattiesburg Historic Conservation Commission

Application Data Sheet—Item 16

Historic District: Parkhaven

Address: 307 S. 23rd Ave

Significance: Contributing

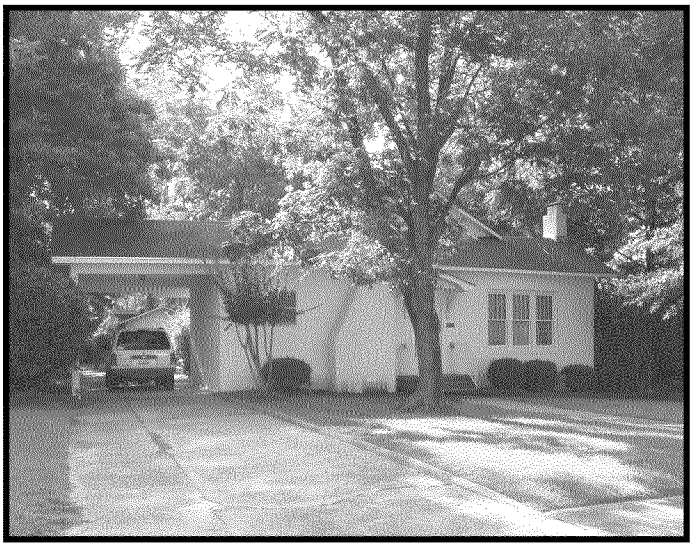




Adjacent Properties











Workers began removing tree without HHCC authorization on July, 25.



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1330

File ID:	2014-1330	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/22/2014
Brief Title:	Public Hearing on 2015 Action Plan			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:

Set a Public Hearing at 5:30 p.m. on Monday, September 23, 2014 in the City Council Chamber of City Hall at 200 Forrest Street and a subsequent Public Comment Period ending on October 6, 2014 for the purpose of receiving public input for the creation of the 2015 CDBG/HOME Annual Action Plan, and authorize and approve publication of the same.{Entitlement}

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	NOTICE OF PUBLIC HEARING 2015 Action Plan	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:		**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					

Text of Legislative File 2014-1330

Title

Set a Public Hearing at 5:30 p.m. on Monday, September 23, 2014 in the City Council Chamber of City Hall at 200 Forrest Street and a subsequent Public Comment Period ending on October 6, 2014 for the purpose of receiving public input for the creation of the 2015 CDBG/HOME Annual Action Plan, and authorize and approve publication of the same.{Entitlement}

Summary

Public Hearing on 2015 Action Plan

Budget Information

Expenditure Type

Purchasing Item

Publication Information

NOTICE OF PUBLIC HEARING FOR THE 2015 ACTION PLAN
FOR HOUSING AND COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG & HOME)
PROGRAMS AND APPLICABLE INFORMATION
ATTENTION: ALL HATTIESBURG, MISSSISSIPPI RESIDENTS

The City of Hattiesburg, Mississippi anticipates receipt of Community Development Block Grant (CDBG) and HOME Investment Partnerships (HOME) Program funds from the U.S. Department of Housing and Urban Development in January 2015 or soon thereafter. These funds are estimated to total approximately $750,000. The funds will be used to meet the primary objectives of the Housing and Urban Development Act of 1974, as amended, by providing access to affordable, decent, safe and sanitary housing and a suitable living environment and expanding economic opportunities for persons, of low and moderate-income.

A Public Hearing is scheduled for September 23, 2014 at 5:30 p.m. in the City Council Chamber of City Hall at 200 Forrest Street for the purpose of receiving comments on the creation of the 2015 Action Plan. Public Comments on the topic will be taken between September 5, 2014 and October 6, 2014.

The City expects to receive a CDBG entitlement grant of approximately $510,000. The City proposes to budget these funds for the following activities: CDBG Administration ($102,000); Public Services ($15,000); Demolition of Substandard Structures ($50,000); Economic Development ($20,000); and Housing Programs ($323,000).

The City expects to receive a HOME entitlement grant of approximately $240,000. The City proposes to budget these funds for the following activities: HOME Administration ($24,000); Community Housing Development Organization Set-aside ($36,000); Downpayment Assistance ($60,000) and Housing Programs ($120,000).

The City will consider any comments or views of citizens, agencies or units of local government received in writing and orally at the Public Hearing scheduled for September 23, 2013. Written comments will additionally be accepted in the Department of Federal & State Programs through October 6, 2014. A summary of any comments or reviews accepted will be attached to the final action plan.

Comments related to this NOTICE may be sent to or delivered to City Hall, First Floor, Community Development/Department of Federal and State Programs, 200 Forrest Street, Hattiesburg, MS 39401.

If you have any questions regarding this information, please contact the Department at (601) 554-1006. Anyone requiring special accommodation in considering these proposals, providing related comments, or in attending the public hearing are encouraged to contact the Department at (601) 554-1006 with sufficient notice that reasonable accommodations may be arranged.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
CITY CLERK

(SEAL)

Johnny L. DuPree, Mayor

PUBLISH Twice in the Non-Legal Section: Friday, September 5, 2014; Friday September 12, 2014

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1345

File ID:	2014-1345	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	2	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	Approve and Authorize Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:

Approve and Authorize publication of notice for Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg Service Area.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Hub City Transit Marketing Services RFQ1, executed Hub City Transit Marketing Services RFQ1	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:	KaTonya Darby	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
2	City Council	09/02/2014					

Text of Legislative File 2014-1345

Title

Approve and Authorize publication of notice for Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg Service Area.

Summary

RFQ-Marketing Plan for the City of Hattiesburg's Public Transit System, Hub City Transit.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

To be published in the Hattiesburg American and Clarion Ledger - Wednesday, September 10th and Sunday, September 14th

To be published in the *HATTIESBURG AMERICAN and CLARION LEDGER* in the Wednesday, **September 10, 2014 Edition** and Sunday, **September 14, 2014** in the Classified Ad Section Block Style on behalf of the City of Hattiesburg, Mississippi.

Please prepare a *PROOF OF PUBLICATION* and remit to the City Clerk, City of Hattiesburg, P.O. Box 1898, Hattiesburg, Mississippi 39403-1898. *TEAR SHEETS ARE NOT ACCEPTABLE AS PROOFS*.

THE CITY OF HATTIESBURG, MISSISSIPPI
PUBLIC TRANSIT SYSTEM – HUB CITY TRANSIT (HCT)

REQUEST FOR QUALIFICATIONS

Marketing Service Plan for the City of Hattiesburg's Public Transit System Hub City Transit

LEGAL NOTICE

Notice is hereby given to professional firms to submit a Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg service area.

The sealed RFQ will be received until the hour of 10:00 a.m. (CST), Thursday, October 2, 2014, at the City of Hattiesburg's City Clerk Office, 2nd Floor, 200 Forrest Street, Hattiesburg, Mississippi 39401 (mailing address: P.O. Box 1898, Hattiesburg, Mississippi, 39403-1898)

The goal of the **HCT Marketing Plan** for the City of Hattiesburg's Public Transit System Hub City Transit (HCT) is to create a marketing campaign/plan designed for the successful implementation of various transit service changes by HCT. This initiative should result in a turnkey marketing campaign, including schedule and digital products that HCT can use to ensure compliance with citizen participation guidelines, to inform the public by all appropriate media, to make presentation at public hearings, and to distribute widely in the community.

The Request for Qualifications application can be found on the City of Hattiesburg's website at http://www.hattiesburgms.com/downloads

The City of Hattiesburg hereby notifies all proposers that in regard to any contract entered into pursuant to this RFQ, advertisement or solicitation, disadvantage business enterprise will be afforded opportunity to submit proposals and no one will be subjected to discrimination on the basis of race, color, creed, religion, sex, disability, age or national origin in consideration for an award. DBE's are encouraged to submit a RFQ.

The City of Hattiesburg reserves the right to postpone, accept or reject any and all proposals.

Questions regarding the project should be submitted to Christine Brown, at mpo@hattiesburgms.com Questions and answers will be posted periodically at this website. Interested professionals should deliver one original and five copies of the RFQ and one PDF version on a flash drive or CD by 10:00 a.m. on October 2, 2014 to:

Physical Address:
Office of the City Clerk
City of Hattiesburg
200 Forrest Street
Hattiesburg, MS 39401

Mailing Address:
Office of the City Clerk
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

PUBLISHED by the Order of the Council on the _____ day of _____ A.D. 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____ (S E A L)
Sharon Waits, City Clerk

HCT-RFQ-1002

City of Hattiesburg, Mississippi

Request of Qualifications

For the Development of a
Marketing Service Plan
for the City of Hattiesburg's Public Transit System Hub City Transit

PROJECT PURPOSE:
The City of Hattiesburg's public transit system, Hub City Transit (HCT), in conjunction with the Hattiesburg-Petal-Forrest-Lamar Metropolitan Planning Organization (HPFL-MPO, or MPO) is seeking Request of Qualifications (RFQ) from qualified consultant firms to assist (HCT) in implementing a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg service area.

1. Overview
Hub City Transit (HCT) is a public transportation system funded in large part by the Federal Transit Administration (FTA) and the City of Hattiesburg. HCT has a long history of serving the City of Hattiesburg with low cost fixed route and Paratransit services. Presently, HCT operates four fixed routes through various area neighborhoods and business districts, emanating from the Hattiesburg Intermodal Facility – the Historic Train Depot in downtown Hattiesburg. HCT's Paratransit service is an advance-scheduled service for elderly and/or disabled residents to get assistance in making trips in and around the area.

2. Background
In recent history, there have been no significant changes to the existing fixed route system, yet notably, populations and centers of commerce may shift even within communities over time. In 2012, Hub City Transit Service Route Improvements Study was completed, which suggested certain additions to route service, updates to existing routes, and some short-term and long-term possibilities for overall service improvement. The most noticeable change suggested in the study includes the creation of a more centralized

primary hub for bus transfers, additional secondary transfer stops (stops common to at least 2 routes), and the adaptation of the routes to shifts in populations and likely destinations.

In the long-term, HCT intends to expand its services both inside and outside of the City of Hattiesburg, to increase service frequency, to add flex-route service options, and to partner with the universities and major employers in order to increase ridership. Naturally, goals for the transit system include increasing ridership, increasing revenues, and continually improving service. Challenges posed in making changes to transit services include a natural resistance to change, effectively informing the public of proposed changes, ensuring that changes prior to implementation are well promoted, and reaching people and groups that are not current users of transit services (either by choice or because they have not given it consideration). Often, there is a tendency to view public transit in a negative light because of a perception that it is intended only for those that are transit-dependent. In a culture that appreciates the flexibility afforded by personal vehicles, the concept of public transit can be somewhat foreign.

HCT operates on an annual budget of approximately $1.5 million dollars. Capital and operating funding comes from the Federal Transit Administration and the City of Hattiesburg. HCT has a brand and is easily identified in the community. In the development of this marketing campaign, you will be offered the unique opportunity to assist the city's only urban transit system in making the community aware of the benefits of a good public transportation system and to increase ridership. Those benefits include the economic impact on area businesses, decreased traffic and parking demands, ability of the general public to get to jobs, school, recreational and medical facilities.

3. Intended Accomplishment of this Effort

This initiative should result in a turnkey marketing campaign, including schedule and digital products that HCT and the MPO can use to ensure compliance with citizen participation guidelines, to inform the public by all appropriate media, to make presentation at public hearings, and to distribute widely in the community. The selected firm will be expected to work with HCT and MPO staff to understand certain compliance/citizen participation elements and certain deadlines for submissions. The end product should include all media and tools necessary for HCT and MPO staff to implement the marketing plan in ample time to prepare the community for any proposed service improvements.

4. Existing Resources

The Consultant should utilize and include staff knowledge and experience in operating the transit system, transit system brochures, the City's GIS system identifying routes and stop locations, and various maps. Potentially valuable in addressing challenges and preparing marketing efforts are also the 2012 Hub City Transit Service Route Improvements Study, the City's Comprehensive Plan, the Mid-Town Master Plan, the Twin Forks Rising Master Plan, The University of Southern Mississippi's Master Plan, William Carey University, the HPFL-MPO's Long Range Transportation Plan, past transit improvement studies, and data on employment and economic activity that may be available through the Area Development Partnership or other avenues.

The Consultant should be aware that the purpose of this contract, in part, is to leverage the time and expertise of said service provider, as the time and resources of HCT/MPO/City staff may be limited in terms of research and participation in the development of a marketing plan.

5. Scope of Work/Goals & Objectives

The City of Hattiesburg is seeking to engage a full-service marketing and interactive firm to create and produce advertising/marketing programs, and collateral materials to promote commuter services, transportation options and special programs. The firm will provide such counsel and services as the City of Hattiesburg requests to inform, educate and motivate commuters and employers about Hub City Transit with the goal of increasing awareness and use of commuting options to reduce single-passenger automobile commuting.

The Consultant will be responsible for:

- Develop a timeline of action steps to effectively market/promote/publicize service changes – including new routes, updated routes, fare changes, etc. -- beginning with citizen participation activities and carrying through implementation to include actions that should be taken up to one year following implementation.
- The design and creation of media-ready files – video, print ads, radio spots, etc. – that may be a part of the presented marketing plan in formats appropriate for HCT to deliver to media outlets in accordance with the prescribed timeline.
- Develop cost estimates for various media purchases: television, radio, internet, print, bill boards and any other items deemed necessary.
- Develop and coordinate key media events.

- Develop a key message concerning the value of a comprehensive public transportation system both from a public service and an economic development perspective.
- Develop marketing for special fares, such as day passes, monthly passes, student, senior passes, military passes and Americans with Disabilities passes.
- Develop marketing campaign to present the public transportation system as efficiently managed, customer friendly and safe.

6. PROPOSAL CONTENT

Internet Access to this RFQ
All materials related to the RFQ will be available on the internet at:

http://www.hattiesburgms.com/downloads.

Response to this RFQ must address how firm intends to carry out the work described in the Scope of Work in sufficient detail to determine a clear understanding of the project.

The City of Hattiesburg will evaluate the information provided in the response to this RFQ and will, as part of the negotiation process with the selected contractor, decide which functions will be the sole responsibility of the contractor, which can be carried out by city staff and which functions might be coordinated between city staff and the selected contractor.

Assumptions
- All media files and reports delivered to HCT, the MPO, or the City of Hattiesburg will be the property of the City of Hattiesburg.
- All final media files intended for use will include all rights for reproduction.
- The successful firm will be required to comply with any and all Federal Transit Administration, regulations, clauses and guidelines. (i.e. FTA Circular 4220.1D)
- The successful bidder is expected to present all aspects/phases of the project to the staff of the City of Hattiesburg, Department of Federal and State Programs/MPO, and the City of Hattiesburg Public Relations.
- The successful bidder is expected to adhere to all FTA Contractual Clauses applicable to this type of project. (See Attachment 1)

7. PROPOSAL ORGANIZATION
The proposal must be organized in sections containing the following information:

A. Description of Firm. Describe your firm's legal structure, areas of expertise, length of time in business, number of employees, and other information that would help to characterize the firm. Provide the address of the main office (for legal purposes) and the address of the office that will manage the project.

B. Experience. Briefly describe other projects executed by your firm that demonstrate relevant experience. However, extensive descriptions of vaguely related projects are discouraged. Also list all public sector clients for whom you have performed similar work in the past five years. For each project mentioned, include the name, address and phone number of a person who can be contacted regarding your performance on the project. When submitting projects for which your firm worked in an auxiliary capacity or in a joint venture or partnership, include the name of the lead firm.

C. Personnel. Provide a professional resume for the key people proposed to be assigned to the project (including any important sub-consultants), and describe relevant related experience. Describe key personnel's proposed roles and responsibilities on this project. Submittals must identify a proposed project manager who would be responsible for the day-to-day management of project tasks and would be the primary point of contact with your firm. An organization chart of the project team may be appropriate.

D. Project Approach. Describe the tasks that must be accomplished to complete the project. Provide a narrative description of how the firm proposes to execute the tasks. If Applicable, discuss any unique aspects of the project, alternative approaches the City of Hattiesburg might wish to consider or special considerations related to programmatic/funding requirements. Your firm should rely on its expertise and experience with similar projects to demonstrate how it will effectively complete the project.

E. Project Schedule. Provide a schedule of general project activities indicating the duration of each activity and of the total project. The schedule should reflect realistic activity durations. Brochures or other material that may be helpful in evaluating your firm may be included in an appendix of the proposal.

8. PROPOSAL DEADLINE

An original and 5 copies and one PDF version on a flash drive or CD of the proposal must be received no later than 10:00 a.m. **(**CST) on April 24, 2014 at

Mailing:	**Physical:**
Office of the City Clerk	Office of the City Clerk
City of Hattiesburg	City of Hattiesburg
P.O. Box 1898	200 Forrest Street
Hattiesburg, MS 390403-1898	Hattiesburg, MS 39401

Proposals not received by the time and date stated shall not be considered. Proposers must allow sufficient lead time to ensure receipt of the proposal by the time specified. The City will not be responsible for a carrier's failure to deliver. All proposals must be sealed and clearly marked with the Proposer's Name and labeled **HCT Marketing Plan**.

PLEASE DO NOT SUBMIT PRICING OR FEES.

Questions and Clarifications: All questions relating to this RFQ must be submitted by e-mail to mpo@hattiesburgms.com. Please refer to HCT Marketing Plan RFQ in the subject line. No phone calls please.

RFQ SCHEDULE: Please note that dates are subject to change based on the City of Hattiesburg's needs.

Item	**Date**
RFQ Submission Deadline	October 2, 2014, 10:00 a.m. CDT
RFQ Openings	October 2, 2014, 10:00 a.m. CDT
Response in Writing, to Questions	September 24, 2014
Discussions/Negotiations	October 16, 2014
Anticipated Notice to Proceed	November 14, 2014
Full Implementation to Satisfaction	May 31, 2015

SELECTION PROCESS Proposals will be ranked on qualifications and the City of Hattiesburg may choose to interview several of the top ranked firms. However, at its discretion, the City of Hattiesburg may dispense with interviews and select a firm to perform the work. Firms will be evaluated on the basis of the following factors:

- Firm History and Capability to Perform Project
- Relevant Project Experience
- Qualifications of Project Team

- Familiarity with Area and Project
- Project Approach and Schedule

Selected references will be contacted. The City of Hattiesburg expects to evaluate proposals and provide written notification of the short-listed firms within 30 days of receipt of proposals. If interviews are held, they will be scheduled within 2 weeks of short-list notification. The final contract shall not be limited to the terms and conditions stated in this RFQ or the successful Proposer's proposal, but shall also include terms and conditions later negotiated.

PLEASE DO NOT SUBMIT PRICING OR FEES.

Understanding of RFQ Procedures, Terms and Conditions*
(To be returned with proposal submission)

Invitation to Submit Qualifications
City of Hattiesburg, Mississippi

I acknowledge I have read and understand all procedures and requirements of the above referenced RFQ and have complied fully with the general terms and conditions outlined in the RFQ.

Contractor: _____

Representative's Signature: _____

Representative's Printed Name: _____

Date: _____

ATTACHMENT 1

FTA CIRCULAR 4220.1D

PROVISIONS, CERTIFICATIONS, REPORTS, FORMS, AND OTHER—MATRICES

B. APPLICABILITY OF THIRD PARTY CONTRACT PROVISIONS

(excluding micro-purchases, except Davis-Bacon requirements apply to contracts exceeding $2,000)

	TYPE OF PROCUREMENT				
PROVISION	**Professional Services/A&E**	**Operations/ Management**	**Rolling Stock Purchase**	**Construction**	**Materials & Supplies**
No Federal Government Obligations to Third Parties (by Use of a Disclaimer)	All	All	All	All	All
False Statements or Claims Civil and Criminal Fraud	All	All	All	All	All
Access to Third Party Contract Records	All	All	All	All	All
Changes to Federal Requirements	All	All	All	All	All
Termination	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.
Civil Rights (Title VI, ADA, EEO except Special DOL EEO clause for construction projects)	All	All	All>$10,000	All	All
Special DOL EEO clause for construction projects				>$10,000	
Disadvantaged Business Enterprises (DBEs)	All	All	All	All	All
Incorporation of FTA Terms	All	All	All	All	All
Debarment and Suspension	>$25,000	>$25,000	>$25,000	>$25,000	>$25,000
Buy America			>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.	>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.	>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.
Resolution of Disputes, Breaches, or Other Litigation	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Lobbying	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Clean Air	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Clean Water	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Cargo Preference			Transport by ocean vessel.	Transport by ocean vessel.	Transport by ocean vessel.
Fly America	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.

PROVISIONS, CERTIFICATIONS, REPORTS, FORMS, AND OTHER— MATRICES

B. APPLICABILITY OF THIRD PARTY CONTRACT PROVISIONS (Continued)

(excluding micro-purchases, except Davis-Bacon requirements apply to construction contracts exceeding $2,000)

TYPE OF PROCUREMENT					
PROVISION	**Professional Services/A&E**	**Operations/ Management**	**Rolling Stock Purchase**	**Construction**	**Materials & Supplies**
Davis-Bacon Act				>$2,000 (also ferries).	
Contract Work Hours and Safety Standards Act		>$100,000 (transportation services excepted).	>$100,000	>$100,000 (also ferries).	
Copeland Anti-Kickback Act Section 1 Section 2				 All > $2,000 (also ferries).	
Bonding				$100,000	
Seismic Safety	A&E for new buildings & additions.			New buildings & additions.	
Transit Employee Protective Arrangements		Transit operations.			
Charter Service Operations		All			
School Bus Operations		All			
Drug Use and Testing		Transit operations.			
Alcohol Misuse and Testing		Transit operations.			
Patent Rights	R & D				
Rights in Data and Copyrights	R & D				
Energy Conservation	All	All	All	All	All
Recycled Products		EPA-selected items $10,000 or more annually.		EPA-selected items $10,000 or more annually.	EPA-selected items $10,000 or more annually.
Conformance with ITS National Architecture	ITS projects.	ITS projects.	ITS projects.	ITS projects.	ITS projects.

ADA Access	A&E	All	All	All	All
Notification of Federal Participation for States	Limited to States.	Limited to States.	Limited to States.	Limited to States.	Limited to States.

To be published in the *HATTIESBURG AMERICAN and CLARION LEDGER* in the Wednesday, **September 10, 2014 Edition** and Sunday, **September 14, 2014** in the Classified Ad Section Block Style on behalf of the City of Hattiesburg, Mississippi.

Please prepare a *PROOF OF PUBLICATION* and remit to the City Clerk, City of Hattiesburg, P.O. Box 1898, Hattiesburg, Mississippi 39403-1898. *TEAR SHEETS ARE NOT ACCEPTABLE AS PROOFS*.

THE CITY OF HATTIESBURG, MISSISSIPPI
PUBLIC TRANSIT SYSTEM – HUB CITY TRANSIT (HCT)

REQUEST FOR QUALIFICATIONS

Marketing Service Plan for the City of Hattiesburg's Public Transit System Hub City Transit

LEGAL NOTICE

Notice is hereby given to professional firms to submit a Request for Qualifications to provide professional services for the development and implementation of a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg service area.

The sealed RFQ will be received until the hour of 10:00 a.m. (CST), Thursday, October 2, 2014, at the City of Hattiesburg's City Clerk Office, 2nd Floor, 200 Forrest Street, Hattiesburg, Mississippi 39401 (mailing address: P.O. Box 1898, Hattiesburg, Mississippi, 39403-1898)

The goal of the **HCT Marketing Plan** for the City of Hattiesburg's Public Transit System Hub City Transit (HCT) is to create a marketing campaign/plan designed for the successful implementation of various transit service changes by HCT. This initiative should result in a turnkey marketing campaign, including schedule and digital products that HCT can use to ensure compliance with citizen participation guidelines, to inform the public by all appropriate media, to make presentation at public hearings, and to distribute widely in the community.

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The City of Hattiesburg reserves the right to postpone, accept or reject any and all proposals.

Questions regarding the project should be submitted to Christine Brown, at mpo@hattiesburgms.com Questions and answers will be posted periodically at this website. Interested professionals should deliver one original and five copies of the RFQ and one PDF version on a flash drive or CD by 10:00 a.m. on October 2, 2014 to:

Physical Address:
Office of the City Clerk
City of Hattiesburg
200 Forrest Street
Hattiesburg, MS 39401

Mailing Address:
Office of the City Clerk
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

PUBLISHED by the Order of the Council on the 2nd day of September A.D. 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY: Sharon Waits (SEAL)
Sharon Waits, City Clerk

HCT-RFQ-1002

City of Hattiesburg, Mississippi

Request of Qualifications

For the Development of a
Marketing Service Plan
for the City of Hattiesburg's Public Transit System Hub City Transit

PROJECT PURPOSE:
The City of Hattiesburg's public transit system, Hub City Transit (HCT), in conjunction with the Hattiesburg-Petal-Forrest-Lamar Metropolitan Planning Organization (HPFL-MPO, or MPO) is seeking Request of Qualifications (RFQ) from qualified consultant firms to assist (HCT) in implementing a creative and comprehensive multi-year Marketing Plan to promote upcoming public transit service upgrades and route changes for the Hattiesburg service area.

1. Overview
Hub City Transit (HCT) is a public transportation system funded in large part by the Federal Transit Administration (FTA) and the City of Hattiesburg. HCT has a long history of serving the City of Hattiesburg with low cost fixed route and Paratransit services. Presently, HCT operates four fixed routes through various area neighborhoods and business districts, emanating from the Hattiesburg Intermodal Facility – the Historic Train Depot in downtown Hattiesburg. HCT's Paratransit service is an advance-scheduled service for elderly and/or disabled residents to get assistance in making trips in and around the area.

2. Background
In recent history, there have been no significant changes to the existing fixed route system, yet notably, populations and centers of commerce may shift even within communities over time. In 2012, Hub City Transit Service Route Improvements Study was completed, which suggested certain additions to route service, updates to existing routes, and some short-term and long-term possibilities for overall service improvement. The most noticeable change suggested in the study includes the creation of a more centralized

primary hub for bus transfers, additional secondary transfer stops (stops common to at least 2 routes), and the adaptation of the routes to shifts in populations and likely destinations.

In the long-term, HCT intends to expand its services both inside and outside of the City of Hattiesburg, to increase service frequency, to add flex-route service options, and to partner with the universities and major employers in order to increase ridership. Naturally, goals for the transit system include increasing ridership, increasing revenues, and continually improving service. Challenges posed in making changes to transit services include a natural resistance to change, effectively informing the public of proposed changes, ensuring that changes prior to implementation are well promoted, and reaching people and groups that are not current users of transit services (either by choice or because they have not given it consideration). Often, there is a tendency to view public transit in a negative light because of a perception that it is intended only for those that are transit-dependent. In a culture that appreciates the flexibility afforded by personal vehicles, the concept of public transit can be somewhat foreign.

HCT operates on an annual budget of approximately $1.5 million dollars. Capital and operating funding comes from the Federal Transit Administration and the City of Hattiesburg. HCT has a brand and is easily identified in the community. In the development of this marketing campaign, you will be offered the unique opportunity to assist the city's only urban transit system in making the community aware of the benefits of a good public transportation system and to increase ridership. Those benefits include the economic impact on area businesses, decreased traffic and parking demands, ability of the general public to get to jobs, school, recreational and medical facilities.

3. Intended Accomplishment of this Effort

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The Consultant should utilize and include staff knowledge and experience in operating the transit system, transit system brochures, the City's GIS system identifying routes and stop locations, and various maps. Potentially valuable in addressing challenges and preparing marketing efforts are also the 2012 Hub City Transit Service Route Improvements Study, the City's Comprehensive Plan, the Mid-Town Master Plan, the Twin Forks Rising Master Plan, The University of Southern Mississippi's Master Plan, William Carey University, the HPFL-MPO's Long Range Transportation Plan, past transit improvement studies, and data on employment and economic activity that may be available through the Area Development Partnership or other avenues.

The Consultant should be aware that the purpose of this contract, in part, is to leverage the time and expertise of said service provider, as the time and resources of HCT/MPO/City staff may be limited in terms of research and participation in the development of a marketing plan.

5. Scope of Work/Goals & Objectives

The City of Hattiesburg is seeking to engage a full-service marketing and interactive firm to create and produce advertising/marketing programs, and collateral materials to promote commuter services, transportation options and special programs. The firm will provide such counsel and services as the City of Hattiesburg requests to inform, educate and motivate commuters and employers about Hub City Transit with the goal of increasing awareness and use of commuting options to reduce single-passenger automobile commuting.

The Consultant will be responsible for:

- Develop a timeline of action steps to effectively market/promote/publicize service changes – including new routes, updated routes, fare changes, etc. -- beginning with citizen participation activities and carrying through implementation to include actions that should be taken up to one year following implementation.
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- Develop and coordinate key media events.

- Develop a key message concerning the value of a comprehensive public transportation system both from a public service and an economic development perspective.
- Develop marketing for special fares, such as day passes, monthly passes, student, senior passes, military passes and Americans with Disabilities passes.
- Develop marketing campaign to present the public transportation system as efficiently managed, customer friendly and safe.

6. PROPOSAL CONTENT

Internet Access to this RFQ
All materials related to the RFQ will be available on the internet at:

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Response to this RFQ must address how firm intends to carry out the work described in the Scope of Work in sufficient detail to determine a clear understanding of the project.

The City of Hattiesburg will evaluate the information provided in the response to this RFQ and will, as part of the negotiation process with the selected contractor, decide which functions will be the sole responsibility of the contractor, which can be carried out by city staff and which functions might be coordinated between city staff and the selected contractor.

Assumptions

- All media files and reports delivered to HCT, the MPO, or the City of Hattiesburg will be the property of the City of Hattiesburg.
- All final media files intended for use will include all rights for reproduction.
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- The successful bidder is expected to adhere to all FTA Contractual Clauses applicable to this type of project. (See Attachment 1)

7. PROPOSAL ORGANIZATION

The proposal must be organized in sections containing the following information:

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B. Experience. Briefly describe other projects executed by your firm that demonstrate relevant experience. However, extensive descriptions of vaguely related projects are discouraged. Also list all public sector clients for whom you have performed similar work in the past five years. For each project mentioned, include the name, address and phone number of a person who can be contacted regarding your performance on the project. When submitting projects for which your firm worked in an auxiliary capacity or in a joint venture or partnership, include the name of the lead firm.

C. Personnel. Provide a professional resume for the key people proposed to be assigned to the project (including any important sub-consultants), and describe relevant related experience. Describe key personnel's proposed roles and responsibilities on this project. Submittals must identify a proposed project manager who would be responsible for the day-to-day management of project tasks and would be the primary point of contact with your firm. An organization chart of the project team may be appropriate.

D. Project Approach. Describe the tasks that must be accomplished to complete the project. Provide a narrative description of how the firm proposes to execute the tasks. If Applicable, discuss any unique aspects of the project, alternative approaches the City of Hattiesburg might wish to consider or special considerations related to programmatic/funding requirements. Your firm should rely on its expertise and experience with similar projects to demonstrate how it will effectively complete the project.

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Mailing:	**Physical:**
Office of the City Clerk	Office of the City Clerk
City of Hattiesburg	City of Hattiesburg
P.O. Box 1898	200 Forrest Street
Hattiesburg, MS 390403-1898	Hattiesburg, MS 39401

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- Firm History and Capability to Perform Project
- Relevant Project Experience
- Qualifications of Project Team

- Familiarity with Area and Project
- Project Approach and Schedule

Selected references will be contacted. The City of Hattiesburg expects to evaluate proposals and provide written notification of the short-listed firms within 30 days of receipt of proposals. If interviews are held, they will be scheduled within 2 weeks of short-list notification. The final contract shall not be limited to the terms and conditions stated in this RFQ or the successful Proposer's proposal, but shall also include terms and conditions later negotiated.

PLEASE DO NOT SUBMIT PRICING OR FEES.

Understanding of RFQ Procedures, Terms and Conditions*
**(To be returned with proposal submission)*

Invitation to Submit Qualifications
City of Hattiesburg, Mississippi

I acknowledge I have read and understand all procedures and requirements of the above referenced RFQ and have complied fully with the general terms and conditions outlined in the RFQ.

Contractor: _____

Representative's Signature: _____

Representative's Printed Name: _____

Date: _____

ATTACHMENT 1

FTA CIRCULAR 4220.1D

PROVISIONS, CERTIFICATIONS, REPORTS, FORMS, AND OTHER—MATRICES

B. APPLICABILITY OF THIRD PARTY CONTRACT PROVISIONS

(excluding micro-purchases, except Davis-Bacon requirements apply to contracts exceeding $2,000)

	TYPE OF PROCUREMENT				
PROVISION	**Professional Services/A&E**	**Operations/ Management**	**Rolling Stock Purchase**	**Construction**	**Materials & Supplies**
No Federal Government Obligations to Third Parties (by Use of a Disclaimer)	All	All	All	All	All
False Statements or Claims Civil and Criminal Fraud	All	All	All	All	All
Access to Third Party Contract Records	All	All	All	All	All
Changes to Federal Requirements	All	All	All	All	All
Termination	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.	>$10,000 if 49 CFR Part 18 applies.
Civil Rights (Title VI, ADA, EEO except Special DOL EEO clause for construction projects)	All	All	All>$10,000	All	All
Special DOL EEO clause for construction projects				>$10,000	
Disadvantaged Business Enterprises (DBEs)	All	All	All	All	All
Incorporation of FTA Terms	All	All	All	All	All
Debarment and Suspension	>$25,000	>$25,000	>$25,000	>$25,000	>$25,000
Buy America			>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.	>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.	>$100,000 As of Feb. 2011, FTA has not adopted the FAR 2.101 $150,000 standard.
Resolution of Disputes, Breaches, or Other Litigation	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Lobbying	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Clean Air	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Clean Water	>$100,000	>$100,000	>$100,000	>$100,000	>$100,000
Cargo Preference			Transport by ocean vessel.	Transport by ocean vessel.	Transport by ocean vessel.
Fly America	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.	Foreign air transp./travel.

PROVISIONS, CERTIFICATIONS, REPORTS, FORMS, AND OTHER— MATRICES

B. APPLICABILITY OF THIRD PARTY CONTRACT PROVISIONS (Continued)

(excluding micro-purchases, except Davis-Bacon requirements apply to construction contracts exceeding $2,000)

TYPE OF PROCUREMENT					
PROVISION	**Professional Services/A&E**	**Operations/ Management**	**Rolling Stock Purchase**	**Construction**	**Materials & Supplies**
Davis-Bacon Act				>$2,000 (also ferries).	
Contract Work Hours and Safety Standards Act		>$100,000 (transportation services excepted).	>$100,000	>$100,000 (also ferries).	
Copeland Anti-Kickback Act Section 1 Section 2				 All > $2,000 (also ferries).	
Bonding				$100,000	
Seismic Safety	A&E for new buildings & additions.			New buildings & additions.	
Transit Employee Protective Arrangements		Transit operations.			
Charter Service Operations		All			
School Bus Operations		All			
Drug Use and Testing		Transit operations.			
Alcohol Misuse and Testing		Transit operations.			
Patent Rights	R & D				
Rights in Data and Copyrights	R & D				
Energy Conservation	All	All	All	All	All
Recycled Products		EPA-selected items $10,000 or more annually.		EPA-selected items $10,000 or more annually.	EPA-selected items $10,000 or more annually.
Conformance with ITS National Architecture	ITS projects.	ITS projects.	ITS projects.	ITS projects.	ITS projects.

ADA Access	A&E	All	All	All	All
Notification of Federal Participation for States	Limited to States.	Limited to States.	Limited to States.	Limited to States.	Limited to States.

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1340

File ID: 2014-1340 **Type:** Regular Agenda Item **Status:** Agenda Ready

Version: 2 **Reference:** **In Control:** City Council

File Created: 08/26/2014

Brief Title: Acknowledge receipt of the unadvertised bid purchase docket for the period of July 29, 2014 through August 25, 2014

Final Action:

Minute Book Number: MB2014-257

Title:

Acknowledge receipt of the unadvertised bid purchase docket for the period of July 29, 2014 through August 25, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Notes:

Sponsors:

Enactment Date:

Attachments: 09-02-UAB Docket

Enactment Number:

Contact:

Meeting Date: 09/02/2014

Drafter: Michael Pope

Effective Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
2	City Council	09/02/2014					

Text of Legislative File 2014-1340

Title

Acknowledge receipt of the unadvertised bid purchase docket for the period of July 29, 2014 through August 25, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Summary

Acknowledge receipt of the unadvertised bid purchase docket for the period of July 29, 2014 through August 25, 2014

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Mary Dryden*	*Henry Naylor*

MEMORANDUM

TO: Mayor and Council

FROM: Michael Pope, Purchasing Department

DATE: August 26, 2014

SUBJECT: Unadvertised Bid Docket Acknowledgment

Attached is the purchase docket for the period of July 29, 2014, through August 25, 2014 covering purchases requiring the obtaining of a minimum of two bids as defined in Section 31-7-13 (B) of the Mississippi Code.

This report is submitted for your review and acknowledgment on the minutes of the City Council. Should there be any questions, please do not hesitate to contact my office.

MAP

CITY OF HATTIESBURG UNADVERTISED BID PURCHASES
JULY 29, 2014 - AUGUST 25, 2014

SUCCESSFUL BID/ OTHER BID	BID RECEIVED	BID AWARDED	BID AMOUNT	PURCHASE ORDER	ITEM DESCRIPTION
COMBAT SUPPORT PRODUCTS, INC	07/29/14	07/29/14	24,995.00	144558	HIGH VOLUME FOAM CANNON 7 TRAILER
WITMER PUBLIC SAFETY GROUP	07/29/14	07/29/14	34,200.00		
ROPER SUPPLY CO LLC	07/29/14	07/29/14	4,844.50	144559	BLUE LIGHTS FOR NEW DETECTIVE CARS
FLEET SAFETY EQUIPMENT INC	07/29/14	07/29/14	5,969.20		
UNIVERSITY GLASS TINTING	07/29/14	07/29/14	1,125.00	144560	TINT WINDOWS 5 NEW DETECTIVE CARS
SPF WINDOW TINTING	07/29/14	07/29/14	1,250.00		
ADAPCO INC	08/25/14	08/25/14	17,250.00	145345	CHEMICALS FOR MOSQUITO SPRAYING
CLARKE MOSQUITO CONTROL	08/25/14	08/25/14	24,600.00		

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
P U R C H A S E O R D E R

THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

Page - 1
Date - 07/29/14

PO No. - 144558

Req No. - 2090

VENDOR MAILING:
COMBAT SUPPORT PRODUCTS, INC
3738 RAWLS CHURCH ROAD
FUQUARY-VARINA NC 27526

DANIELS, ROBERT (601) 5823311
MINUTE BOOK # PENDING
VENDOR # 00098764

SHIP TO :
CITY OF HATTIESBURG
POLICE/FIRE TRAINING ACADEMY
53 ACADEMY DR
HATTIESBURG MS 39401

PROCESSING CODE:

SEND METHOD 1 ( )

PROJECT LINE: HIGH VOLUME FOAM CANNON 7 TRAILER

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
005160.7399	CHARIOT 2 DUAL TOTE, DUAL AXEL FOAM FIREFIGHTING TRAILER, 10,000 GROSS WEIGHT. NFPA LED WARNING LIGHTS, LED SPOT LIGHTS MOUNTED ON TOP OF TOTES, LED GROUND BACK-UP LIGHTS POWERED BY ON-BOARD BATTERY AND TOW VEHICLE. BATTERY MAINTAINER IN BATTERY BOX. BUILT-IN GLADIATOR 500/750/1000 GPM SELF EDUCTING FOAM NOZZLE AERATOR. TWO GATED NH PORTS FOR FOAM EDUCTORS/ EQUIPMENT. 5" STORZ INLET. APPLIANCE AND HOSE BED STORAGE ON LEFT AND RIGHT. THREE-WAY FOAM CONCENTRATE MANIFOLD WITH TWO TRANSFER/AUX PICK-UP PORTS. 5 GAL. TRAINING SIMULATOR FOAM. MODIFICATION TO FOAM EDUCTORS FOR TRAILER USE. OPERATIONAL RANGE GAUGES ON WATER MANIFOLD AND MONITOR. PRESSURE RELIEF VALVE SET AT 200PSI IN WATER MANIFOLD RISER.ONE DAY SAFETY OPERATOR TRAINING AT TIME OF DELIVERY. PRICE INCLUDES ALL FREIGHT, DELIVERY, & FACTORY WARRANTIES. CONTACT PERSONS: MATT SAUCIER,: 601-319-0829, BARRY COLLINS: 601-641-0371	1.00	EA	24,995.0000	24,995.00

TOTAL CONTRACT AMOUNT NOT TO EXCEED 24,995.00

SUBMIT SEPARATE INVOICES FOR EACH ORDER. PREPAY SHIPPING CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR ADDRESS ABOVE, CONTACT ACCOUNTING (601) 545-4686.

07/28/2014 MON 8:14 FAX 6015436661 Hattiesburg Purchasing 002/003
07/24/2014 10:50 9195524798 COTTRELL_COMBATSUP PAGE 01/01

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 7/14/14
Order Number . . 2090 CQ

919 552 4798
COMBAT SUPPORT PRODUCTS,
3738 RAWLS CHURCH ROAD
FUQUAY-VARINA NC 27526

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

BARBARA COTTRELL

PRINTED NAME COMBAT SUPPORT PRODUCTS INC

Phone Number . . 601 5454512

SIGNATURE Barbara Cottrell DATE 7-14-14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: HIGH VOLUME FOAM CANNON 7 TRAILER

ITEM DESCRIPTION	Request Date	QTY	UN	Unit Price	Extended Cost	Delivery Date	Expired Date
CHARIOT 2 DUAL TOTE, DUAL AXEL FOAM FIREFIGHTING TRAILER, 30,000 GROSS WEIGHT. NFPA LED WARNING LIGHTS, LED SCUE LIGHTS MOUNTED ON TOP OF TOTES, LED GROUND BACK-UP LIGHTS POWERED BY ON-BOARD BATTERY AND TOW VEHICLE. BATTERY MAINTAINER IN BATTERY BOX. BUILT-IN GLADIATOR 500/750/1000 GPM SELF EDUCTING FOAM NOZZLE AERATOR. TWO GATED NH PORTS FOR FOAM EDUCTORS/ EQUIPMENT. 5" STORZ INLET. APPLIANCE AND HOSE BED STORAGE ON LEFT AND RIGHT. THREE-WAY FOAM CONCENTRATE MANIFOLD WITH TWO TRANSFER/AUX. PICK-UP PORTS. 5 GAL TRAINING SIMULATOR FOAM, MODIFICATION TO FOAM EDUCTORS FOR TRAILER USE. OPERATIONAL RANGE GAUGES ON WATER MANIFOLD AND MONITOR. PRESSURE RELIEF VALVE SET AT 200PSI IN WATER MANIFOLD RISER.ONE DAY SAFETY OPERATOR TRAINING AT TIME OF DELIVERY. PRICE INCLUDES ALL FREIGHT, DELIVERY, & FACTORY WARRANTIES. CONTACT PERSONS: MATT SAUCIER,: 601-319-0829, BERRY COLLINS: 601-641-0371	07/14/14	1.00	EA	$ 24,995.00	$ 24,995.00	11-15-14 NOV-15,2014	1-1-15

TOTAL BID PRICE $ 24,995.00

Paul Prather

RECEIVED
JUL 28 2014
Darlene Underwood
AWARDED

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date - 7/14/14
Order Number . . 2090 QQ

888 335 9800
WITMER PUBLIC SAFETY GROU
104 INDEPENDENCE WAY
COATESVILLE PA 19320

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME Jeff Trego

Phone Number . . 601 5454512

SIGNATURE Jeff Trego DATE 7-15-14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: HIGH VOLUME FOAM CANNON 7 TRAILER

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
CHARIOT 2 DUAL TOTE, DUAL AXEL FOAM FIREFIGHTING TRAILER, 10,000 GROSS WEIGHT. NFPA LED WARNING LIGHTS, LED SPOT LIGHTS MOUNTED ON TOP OF TOTES, LED GROUND BACK-UP LIGHTS POWERED BY ON-BOARD BATTERY AND TOW VEHICLE. BATTERY MAINTAINER IN BATTERY BOX. BUILT-IN GLADIATOR 500/750/1000 GPM SELF EDUCTING FOAM NOZZLE AERATOR. TWO GATED NH PORTS FOR FOAM EDUCTORS/ EQUIPMENT. 5" STORZ INLET. APPLIANCE AND HOSE BED STORAGE ON LEFT AND RIGHT. THREE-WAY FOAM CONCENTRATE MANIFOLD WITH TWO TRANSFER/AUX PICK-UP PORTS. 5 GAL. TRAINING SIMULATOR FOAM. MODIFICATION TO FOAM EDUCTORS FOR TRAILER USE. OPERATIONAL RANGE GAUGES ON WATER MANIFOLD AND MONITOR. PRESSURE RELIEF VALVE SET AT 200PSI IN WATER MANIFOLD RISER.ONE DAY SAFETY OPERATOR TRAINING AT TIME OF DELIVERY. PRICE INCLUDES ALL FREIGHT, DELIVERY, & FACTORY WARRANTIES. CONTACT PERSONS: MATT SAUCIER.: 601-319-0829, BARRY COLLINS: 601-641-0371	07/14/14	1.00	EA	34,200.00	34,200.00	90-100 days	8-15-14

TOTAL BID PRICE $34,200.00

RECEIVED
JUL 28 2014

07/14/2014 MON 15:39 FAX 6015456661 Hattiesburg Purchasing 003/003

From:Witmer Public Safety Group 888 335 9800 07/15/2014 07:26 #096 P.001/001

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
P U R C H A S E O R D E R

THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

ADAMO, JOHN (601) 5454506
MINUTE BOOK # pending
VENDOR # 00002055

Page - 1
Date - 07/29/14

PO No. - 144559

Req No. - 2092

VENDOR MAILING:
ROPER SUPPLY CO LLC
801 N BEECH ST
PO BOX 367
PICAYUNE MS 39466-0367

SHIP TO :
HATTIESBURG POLICE DEPT/NEW SERVICE CTR
721 KATIE AVE
HATTIESBURG MS 39401-

PROCESSING CODE:

SEND METHOD 1 (601)7991211

PROJECT LINE: BLUE LIGHTS FOR NEW DETECTIVE CARS

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001100.5460	SOUNDOFF MODEL SOUETKN60CCC N660 60W 6OUT 4CCC KITS	5.00	EA	189.0000	945.00
001100.5460	SOUNDOFF MODEL SOUEGHST1B-12 GHOST LITE SGLMM BLK HSING BLUE LIGHTS	15.00	EA	73.8000	1,107.00
001100.5460	SOUNDOFF MODEL SOUENFWBRF (XXX) N FORCE 8MOD INT REAR 6LED SHRD	5.00	EA	558.5000	2,792.50

CITY OF HATTIESBURG MISSISSIPPI 1884

TOTAL CONTRACT AMOUNT NOT TO EXCEED 4,844.50

SUBMIT SEPARATE INVOICES FOR EACH ORDER. PREPAY SHIPPING CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR ADDRESS ABOVE, CONTACT ACCOUNTING (601) 545-4686.

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. I
Date 7/21/14
Order Number . . 2092 DO

Bid 799 1211

HOPER SUPPLY CO LLC
801 N BEECH ST
PO BOX 367
PICAYUNE MS 39466-0367

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME Morgan Roper

SIGNATURE [signature] DATE 7-23-14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: BLUE LIGHTS FOR NEW DETECTIVE CARS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
SOUNDOFF MODEL SOURTHN600DC N660 60W 60UT 4CDC KITS	07/17/14	5.00	EA	157.00	785.00	14 Days	12-31-14
SOUNDOFF MODEL SOUBGHST08-12 GHOST LITE SGLMN BLK MSING BLUE LIGHTS	07/17/14	15.00	EA	73.80	1107.00	14 Days	12-31-14
SOUNDOFF MODEL SOUENFWBRF (XXX) N FORCE HOOD INT REAR BLED SHRD	07/17/14	5.00	EA	558.50	2792.50	21 Days	12/31/14

TOTAL BID PRICE 4684.50

RECEIVED
JUL 28 2014
VaLisa Underwood
AWARDED

769-251-1478

43530

901 377 5633

~~601 [illegible] 5477~~

FLEET SAFETY EQUIPMENT IN
5090 WILKONG RD
MEMPHIS TN 38134-5641

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. . . . 1
Date 7/21/14
Order Number . . 2092 OQ

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME David Lyle

Phone Number . 601 5454512

SIGNATURE David Lyle DATE 7/25/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: BLUE LIGHTS FOR NEW DETECTIVE CARS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
SOUNDOFF MODEL SOUFTKN60CC N660 60W 6OUT 4CDC KITS	07/17/14	5.00	EA	259.80	1299.00	8/7/14	12/31/14
SOUNDOFF MODEL SOUEGHST1B-12 GHOST LITE SGLMN BLK HSING BLUE LIGHTS	07/17/14	15.00	EA	84.00	1,260.00	8/7/14	12/31/14
SOUNDOFF MODEL SOUENFWBRF (XXX) N FORCE 8MOD INT REAR 6LED SHRD	07/17/14	5.00	EA	682.04	3,410.20	9/7/14	12/31/14

TOTAL BID PRICE 5,969.20

RECEIVED
JUL 28 2014

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
P U R C H A S E O R D E R
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

Page - 1
Date - 07/29/14

PO No. - 144560

Req No. - 2093

VENDOR MAILING:
UNIVERSITY GLASS TINTING
7166 HWY 49 NORTH
HATTIESBURG MS 39402

ADAMO, JOHN (601) 5454506
MINUTE BOOK # pending

VENDOR # 00098314

SHIP TO :
CITY OF HATTIESBURG
MERCHANDISE ORDERED WILL BE PICKED UP

PROCESSING CODE:

SEND METHOD 1 (601)2960008

PROJECT LINE: TINT WINDOWS 5 NEW DETECTIVE CARS

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001100.6384	TINT WINDOWS CERAMIC 20% VISIBILITY TINT	5.00	EA	225.0000	1,125.00

TOTAL CONTRACT AMOUNT NOT TO EXCEED 1,125.00

SUBMIT SEPARATE INVOICES FOR EACH ORDER. PREPAY SHIPPING CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR ADDRESS ABOVE, CONTACT ACCOUNTING (601) 545-4686.

07/28/2014 MON 10:33 FAX 6015456661 Hattiesburg Purchasing 002/003

43530

Col 9% only

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date - - - - - 7/21/14
Order Number . . 2093 QQ

UNIVERSITY GLASS TINTING
7156 HWY 49 NORTH
HATTIESBURG MS 39402

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME Chris Brown

SIGNATURE [signature] DATE 7/25/14

Phone Number . . 601 5454512

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: TINT WINDOWS 5 NEW DETECTIVE CARS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
TINT WINDOWS CERAMIC 20% VISIBILITY TINT	07/17/14	5.00	EA	225.00	225.00	9/1/14	9/30/14

TOTAL BID PRICE 1125.00

[signature]

RECEIVED
JUL 28 2014
AWARDED

07/28/2014 MON 11:17 FAX 601 544 0468 HPD PURCHASING MANAGER 001

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Date - . . . . . : 7/21/14
Order Number . . : 2093 OQ

601 329 3042
SPE WINDOW TINTING
2125 OAK GROVE RD
HATTIESBURG MS 39402-1461

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME Robert Tyner Sullivan

SIGNATURE [signature] DATE 7-22-2014

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: TINT WINDOWS 5 NEW DETECTIVE CARS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
TINT WINDOWS CERAMIC 20% VISIBILITY TINT	07/17/14	5.00	EA	250.00	1,250.00	7-28-2014	9-1-2014

TOTAL BID PRICE 1,250.00

RECEIVED
JUL 28 2014

From noreply 1.888.847.4895 Tue Jul 22 06:45:38 2014 MST AZ Page 1 of 1

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
P U R C H A S E O R D E R
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

Date - 08/25/14
PO No. - 145345
Req No. - 2097

VENDOR MAILING:
ADAPCO INC
550 AERO LN
SANFORD FL 32771-6342

BEECH, JANET (601) 5454648
MINUTE BOOK # PENDING
VENDOR # 90012703

SHIP TO :
CITY OF HATTIESBURG
PUBLIC WORKS DEPT
1202 JAMES STREET
HATTIESBURG MS 39401

PROCESSING CODE:

SEND METHOD 1 (866)3309888

PROJECT LINE: CHEMICALS FOR MOSQUITO SPRAYING

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001201.5130	AQUA PURSUIT 30/30 30 GALLON DRUMS	150.00	EA	115.0000	17,250.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED 17,250.00

SUBMIT SEPARATE INVOICES FOR EACH ORDER. PREPAY SHIPPING CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR ADDRESS ABOVE, CONTACT ACCOUNTING (601) 545-4686.

Aug 14 14 04:01p E.Sanabria p.2 4073286537 8/14/2014 8/14/2014

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 8/14/14
Order Number . . 2097 OQ

864 330 7836
ADAPCO INC
550 AERO LN
SANFORD FL 32771-6342

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME Jason Trumbetta, Assistant Secretary

Phone Number . . 601 5454512

SIGNATURE _____ DATE 8/14/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: CHEMICALS FOR MOSQUITO SPRAYING

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
AQUA PURSUIT 30/30 30 GALLON DRUMS	08/12/14	150.00	EA	$115.00/gl	$17,250.00	1-3 Days ARO	12/31/14

TOTAL BID PRICE $17,250.00

RECEIVED
AUG 25 2014
Purchasing Department
AWARDED

08/19/2014 15:24 #154 P.003/003
003/003
6304433070
08/19/2014 TUE 8:28 FAX 6015456661 Hattiesburg Purchasing
From:Clarke

43530

443070
630-854-1774

CLARKE MOSQUITO CONTROL
PO BOX 72197
ROSELLE IL 60172-2197

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 8/14/14
Order Number . . . 2097 QQ

Mail To. . . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST.2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME Danny Meyers

Phone Number . . 601 5454512

SIGNATURE Danny Meyers DATE 8/19/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: CHEMICALS FOR MOSQUITO SPRAYING

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
AQUA PURSUIT 30/30 30 GALLON DRUMS	08/12/14	150.00	EA	$420/case	$1260.00	5-7 days	12/31/14
				$400/drum	$1200.00	5-7 days	12/31/14

TOTAL BID PRICE $2460.00

164.00/gallon MP

$24,600.00 MP

RECEIVED
AUG 25 2014

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1347

File ID:	2014-1347	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	Approve Specifications and Authorize Publication of Advertisement for bids on LongLeaf Trace Phase III			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:

Approve Plans and Specifications for the Longleaf Trace Phase III - US Hwy 49 to North Main Street project; Authorize advertisement for bids for same.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Cover Letter - Advertising, 12932001C_US49 to Main Final Plans_2013-10-07, HPP-0210-00(015)LPA105214-801000_Specs with signature, Adv for Bids 9-2-14, executed Adv for Bids 9-2-14	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:	Gene Polk	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					

Text of Legislative File 2014-1347

Title

Approve Plans and Specifications for the Longleaf Trace Phase III - US Hwy 49 to North Main Street project; Authorize advertisement for bids for same.

Summary

Approve Plans and Specifications for the Longleaf Trace Phase III - US Hwy 49 to North Main Street project; Authorize advertisement for bids for same.

Budget Information

Purchasing Item

Sealed Bid

Publication Information

Hattiesburg American and Clarion Ledger
Sept 5, 2014 and Sept 12, 2014

David Seyfarth
16-10

Mark C. McConnell
Deputy Executive Director/
Chief Engineer

Charles R. Carr
Director
Office of Intermodal Planning

MDOT
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Melinda L. McGrath
Executive Director

Lisa M. Hancock
Deputy Executive Director/
Administration

Willie Huff
Director
Office of Enforcement

P. O. Box 1850 / Jackson, MS 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / GoMDOT.com

August 20, 2014

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

RE: HPP-0210-00(015)LPA/105214-801000 - Authority to Advertise
Forrest County

Dear Sir or Madam:

This letter confirms that the Federal Highway Administration and the Mississippi Department of Transportation have received and approved the PS&E Package submitted and hereby authorize the advertisement for receipt of bids on the subject project which is for Conversion of Abondoned Railroad into a Pedestrian Facitlity (Bike/Trolley Path) From US49 to North Main Street. Longleaf Trace Phase III. No changes are to be made to the proposal before advertising without submission and approval by MDOT and FHWA, as applicable. Additionally, all Addenda must also be approved. Any unapproved changes will result in non-participating costs in the contract.

In addition, the Federal Highway Administration and the Mississippi Department of Transportation have authorized the use of $116,569.01 in special/flexible match credit in accordance with the LPA Manual.

In the advertisement, receipt of bids and opening of bids, the following criteria must be met:

1. The date of the first ad must be within 60 days from the date of this letter. Failure to advertise within this time frame will result in the funding authority being de-obligated and authority to advertise is rescinded.
2. The advertisement must be published in a newspaper having statewide distribution, once a minimum of three weeks prior to the scheduled receipt of bids, and the second time a minimum of two weeks prior to the scheduled receipt of bids. One **Sworn Proof** of Publication is furnished us. At the present time, the only newspaper with Statewide distribution is the Clarion-Ledger in Jackson. Refer to the first paragraph of the PDM in Chapter 6, and consult your District LPA Coordinator for guidance in setting these dates.
3. Bidding procedures on a nondiscriminatory basis must be afforded to all qualified bidders regardless of State boundaries. You can not require any license or certificate that would restrict competition, or prevent submission of a bid or prohibit consideration of a bid submitted by any responsible contractor, whether resident or nonresident of Mississippi. Please see the attached copy of Page 9 Federal-Aid Policy Guide (Transmittal 2) dated April 7, 1992, 23 CFR 635A Section 635.110 – Licensing and qualification of contractors.
4. Proposals must be opened and read publicly at the time and at the place indicated in the proposal and/or advertisement. Do not accept a stripped proposal. The bidders must return the entire proposal that you sold to them, plus any addendums and their bid bond. Proposals received after the time for opening of bids must be returned to the bidder unopened.
5. All proposals opened must be filed prior to the time and at the place specified in the proposal and/or in the advertisement.

RECEIVED
AUG 22 2014
GULF COAST REGIONAL OFFICE
GULFPORT

6. Before award, the successful bidder must have obtained a State Privilege License from the State Tax Commission.
7. Notice to Bidders No. 4103 (DBE's in Federal-Aid Highway Construction) and Supplement to Notice to Bidders 4103 are a part of this contract. The Section titled 'Directory' refers to the current list of Certified DBE Contractors and Certified DBE Suppliers/Manufacturers published monthly by MDOT on the website www.gomdot.com. The DBE firm must be on the Department's list of "Certified DBE Contractors" that is posted online at the time the job is let and approved by MDOT to count towards meeting the DBE goal.
8. The DBE Goal for this project is 6%.
9. Refer to Chapter 6: MDOT Authorization and LPA Selection of a Contractor, in the on-line PDM (www.gomdot.com, Projects, Local Public Agencies), for guidance to request concurrence in the award or to reject bids and re-advertise.
10. The award of the contract or the rejection of all bids submitted is subject to the concurrence of the Mississippi Department of Transportation. Awarded projects shall not be executed prior to concurrence by MDOT.

When the dates for advertisement and receipt of bids in accordance with the foregoing are established, please furnish this information to the District LPA Coordinator, David Seyfarth, 16499#B Highway 49 North Trailer, Saucier, MS 39574, and District Engineer, Mr. Kelly Castleberry, P.O. Box 551, Hattiesburg, Mississippi 39403. This notification is essential in order that representatives of the Department may be present at this opening of bids.

For your information, Chapter 474, General Laws of Mississippi as amended by Chapter 393, General Laws of Mississippi provides that nothing therein shall apply to highway construction, highway bridges, overpasses, and any other project incidental to the construction of highways which are designated as federal aid projects and federal funds are involved; therefore the Certificate of Responsibility requirements of this law are not applicable to a Local Public Agency (LPA) Project designated as a federal aid project where federal funds are involved.

The LPA's prorated share of the project cost will be based on the low bid, estimated cost of the contingencies and construction engineering, if applicable, and that share amount will be provided by MDOT in the Concurrence in Award Letter.

Sincerely,

Jeffrey C. Altman, P. E.
State Engineer for Local Public Agencies

JCA:dre

cc: Commissioner Tom King
Chief Engineer
Asst. Chief Engr.-Operations
Construction Division
Central File
Federal Highway Administration
LPA Administrator (Baker)
District LPA Coordinator (Seyfarth)
District Engineer
Shows, Dearman & Waits, Inc.

CONSTRUCTION PLANS

FOR THE

LONGLEAF TRACE - PHASE III
(BETWEEN THE GATEWAY AT USM AND MAIN STREET

ALSO KNOWN AS

FEDERAL AID PROJECT No. HPP-0210-00(015)LPA/105214-801000

FOR THE

PEARL TO LEAF RIVERS RAILS-TO-TRAILS RECREATIONAL DISTRICT

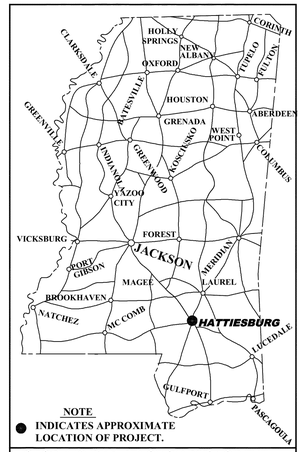
IN THE

CITY OF HATTIESBURG

FORREST COUNTY, MISSISSIPPI

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	WATERS	WETLANDS
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR		
STORMWATER PERMIT	N	
Y — REQUIRED, CHOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +)(MTB 588)		
S — REQUIRED, SCHOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(MTB 14)		
N — NO STORMWATER PERMIT REQUIRED (<1 ACRE)		
APPROVED BY: _____ DATE: _____		

STATE	PROJECT No.	SHEET No.
MS	HPP-0210-00(015)LPA/105214-801000	1



NOTE
● INDICATES APPROXIMATE LOCATION OF PROJECT.

GEODETIC REFERENCE (NAD83) FOR THE APPROXIMATE MIDDLE OF THE PROJECT:
LATITUDE: N 31°19'55.1"
LONGITUDE: W 89°19'50.7"

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

LENGTH DATA

LENGTH OF ROADWAY	2.093 Miles
LENGTH OF BRIDGES	0.000 Miles
LENGTH OF PROJECT (NET)	2.093 Miles
LENGTH OF EXCEPTIONS	0.016 Miles
LENGTH OF PROJECT (GROSS)	2.109 Miles

EQUATIONS

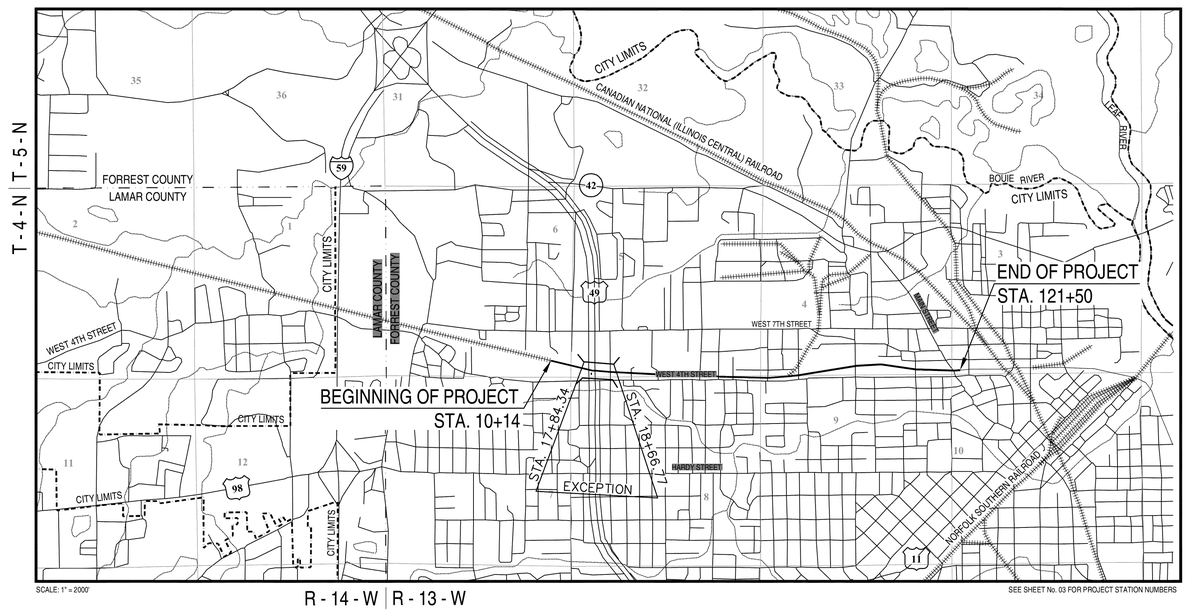
STA. 15+53.23 RT OFFSET BK = STA. 15+48.90 AH (-4.33)
STA. 51+74.63 LT OFFSET BK = STA. 51+74.63 AH (0)
STA. 75+46.68 LT OFFSET BK = STA. 75+47.61 AH (+0.93)

EXCEPTIONS

STA. 17+84.34 THRU STA. 18+66.77

CONVENTIONAL SYMBOLS

COUNTY LINE
URBAN LINE
SECTION LINE
ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES



RECREATIONAL DISTRICT MEMBERS

Lynn Cartlidge - President, Forrest County
Johnny Kerley - Vice President, Bassfield
Dale Lucus - Secretary, Lamar County
Carolyn McRaney - Treasurer, Prentiss
Gerolene Rayborn, Sumrall
Charles Reid, Jefferson Davis County
Bert Kuyrkendall, P.E., Hattiesburg

PREPARED BY:

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39403-1711
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

SEPTEMBER 2013

Working No. CVR1
Sheet No. 01
Drawing No.: 12932.001C

HPP-0210-00(015)LPA/105214-801000 FORREST COUNTY

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DESCRIPTION OF SHEET			WRKG NO.	SHT NO.
TITLE SHEET (1)			CVR1	01
MAP AND NOTES SHEETS (3)				
DETAILED INDEX			DI1	02
PROJECT MAP			PM1	03
GENERAL NOTES, PHASES OF CONSTRUCTION AND PUBLIC UTILITIES			GN1	04
TYPICAL SECTIONS SHEETS (3)				
TYPICAL SECTIONS			TS1	05
TYPICAL SECTIONS			TS2	06
TYPICAL SECTIONS			TS3	07
QUANTITY SHEETS (5)				
SUMMARY OF QUANTITIES			SQ1	08
SUMMARY OF QUANTITIES			SQ2	09
SUMMARY OF QUANTITIES			SQ3	10
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL DEVICES			EQ1	11
STANDARD ROADWAY SIGNS QUANTITIES			EQ2	12
PLAN AND PROFILE SHEETS (32)				
STA. 10+14 RT (BOP)	TO STA. 15+53.23 RT	LONGLEAF TRACE, ℄ CONST. RT.	WK01	13
STA. 15+48.90	TO STA. 16+00	LONGLEAF TRACE	WK01	13
STA. 16+00	TO STA. 22+00	LONGLEAF TRACE	WK02	14
STA. 22+00	TO STA. 28+00	LONGLEAF TRACE	WK03	15
STA. 10+00	TO STA. 13+25	NORTH 25TH AVENUE	WK03A	16
STA. 10+00	TO STA. 12+50	DRIVEWAY No. 2	WK03B	17
STA. 28+00	TO STA. 34+00	LONGLEAF TRACE	WK04	18
STA. 10+00	TO STA. 12+50	DRIVEWAY No. 3	WK04A	19
STA. 34+00	TO STA. 40+00	LONGLEAF TRACE	WK05	20
STA. 10+00	TO STA. 12+50	DRIVEWAY No. 4	WK05A	21
STA. 40+00	TO STA. 46+00	LONGLEAF TRACE	WK06	22
STA. 10+00	TO STA. 11+50	DRIVEWAY No. 5	WK06A	23
STA. 46+00	TO STA. 51+74.63	LONGLEAF TRACE	WK07	24
STA. 51+74.63 LT	TO STA. 52+00 LT	LONGLEAF TRACE, ℄ CONST. LT	WK07	24
STA. 10+00	TO STA. 11+50	NORTH 19TH AVENUE	WK07A	25
STA. 52+00 LT	TO STA. 58+00 LT	LONGLEAF TRACE, ℄ CONST. LT	WK08	26
STA. 10+00	TO STA. 12+00	MELBA AVENUE	WK08A	27
STA. 10+00	TO STA. 12+00	PRESLY DRIVE	WK08B	28
STA. 58+00 LT	TO STA. 64+00 LT	LONGLEAF TRACE, ℄ CONST. LT	WK09	29
STA. 64+00 LT	TO STA. 70+00 LT	LONGLEAF TRACE, ℄ CONST. LT	WK10	30
STA. 10+00	TO STA. 11+20	OLIVER AVENUE	WK10A	31
STA. 70+00 LT	TO STA. 75+74.93 LT	LONGLEAF TRACE, ℄ CONST. LT	WK11	32
STA. 75+47.61	TO STA. 76+00	LONGLEAF TRACE	WK11	32
STA. 10+00	TO STA. 11+40	RAWLS AVENUE	WK11A	33
STA. 76+00	TO STA. 82+00	LONGLEAF TRACE	WK12	34
STA. 82+00	TO STA. 88+00	LONGLEAF TRACE	WK13	35
STA. 88+00	TO STA. 94+00	LONGLEAF TRACE	WK14	36
STA. 10+00	TO STA. 13+00	NORTH AVENUE	WK14A	37
STA. 94+00	TO STA. 100+00	LONGLEAF TRACE	WK15	38
STA. 100+00	TO STA. 106+00	LONGLEAF TRACE	WK16	39
STA. 106+00	TO STA. 112+00	LONGLEAF TRACE	WK17	40
STA. 10+00	TO STA. 13+00	WEST STREET	WK17A	41
STA. 112+00	TO STA. 117+00	LONGLEAF TRACE	WK18	42
STA. 117+00	TO STA. 121+50	LONGLEAF TRACE	WK19	43
STA. 10+00	TO STA. 14+50	NORTH MAIN STREET	WK19A	44
SPECIAL DESIGN DETAIL SHEETS (49)				
CONSTRUCTION SIGNING PLAN			CS1	45
TRAFFIC CONTROL PLAN			TCP1	46
TYPICAL TRAFFIC DETOUR PLAN			TDP1	47
STRIPING AND SIGNAGE PLAN			SSP1	48
STRIPING AND SIGNAGE PLAN			SSP2	49
STRIPING AND SIGNAGE PLAN			SSP3	50
STRIPING AND SIGNAGE PLAN			SSP4	51
STRIPING AND SIGNAGE PLAN			SSP5	52
STRIPING AND SIGNAGE PLAN			SSP6	53
STRIPING AND SIGNAGE PLAN			SSP7	54
STRIPING AND SIGNAGE PLAN			SSP8	55
STRIPING AND SIGNAGE PLAN			SSP9	56
STRIPING AND SIGNAGE PLAN			SSP10	57
STRIPING AND SIGNAGE PLAN			SSP11	58
TYPICAL TRAIL MARKING DETAILS			MD1	59
PAVEMENT MARKING DETAILS			MD3	60
SPECIAL DESIGN INLET DETAILS			SD1	61
CORRUGATED POLYETHYLENE PIPE INSTALLATION DETAIL			CPP1	62
STORM WATER POLLUTION PREVENTION PLAN			SWP1	63
STORM WATER POLLUTION PREVENTION PLAN			SWP2	64
STORM WATER POLLUTION PREVENTION PLAN			SWP3	65
STORM WATER POLLUTION PREVENTION PLAN			SWP4	66
STORM WATER POLLUTION PREVENTION PLAN			SWP5	67
STORM WATER POLLUTION PREVENTION PLAN			SWP6	68
STORM WATER POLLUTION PREVENTION PLAN			SWP7	69
STORM WATER POLLUTION PREVENTION PLAN			SWP8	70
STORM WATER POLLUTION PREVENTION PLAN			SWP9	71
STORM WATER POLLUTION PREVENTION PLAN			SWP10	72

DESCRIPTION OF SHEET			WRKG NO.	SHT NO.
SPECIAL DESIGN DETAIL SHEETS - CONTINUED				
TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS			ECD-1	73
DETAILS OF SEDIMENT BARRIER APPLICATIONS			ECD-2	74
DETAILS OF SILT FENCE INSTALLATION			ECD-3	75
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS			ECD-4	76
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS			ECD-5	77
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK			ECD-6	78
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK			ECD-7	79
ROCK DITCH CHECK			ECD-8	80
ROCK DITCH CHECK WITH SUMP EXCAVATION			ECD-9	81
INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS			ECD-10	82
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS			ECD-11	83
INLET PROTECTION DETAILS OF WATTLES			ECD-12	84
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE			ECD-13	85
INLET PROTECTION DETAILS OF SAND BAG			ECD-14	86
STABILIZED CONSTRUCTION ENTRANCE			ECD-15	87
TEMPORARY CULVERT STREAM CROSSING			ECD-16	88
TEMPORARY STREAM DIVERSION			ECD-17	89
TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)			ECD-18	90
FLOATING TURBIDITY CURTAIN			ECD-19	91
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK			ECD-20	92
VEGETATION SCHEDULE			VS1	93
ROADWAY DESIGN STANDARDS (15)				
CONCRETE PAVEMENT JOINTS			(10-01-98) PJ-1	104
STANDARD ROADSIDE SIGNS			(10-01-98) SN-3A	223
STANDARD ROADSIDE SIGNS			(03-01-02) SN-3B	224
STANDARD ROADSIDE ASSEMBLY AND INSTALLATION			(10-01-98) SN-4	225
STANDARD ROADSIDE ASSEMBLY AND INSTALLATION			(10-01-98) SN-4A	226
TYPICAL GUARD RAIL DELINEATION			(03-01-02) SN-8C	236
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE OF TWO-WAY TRAFFIC)			(10-01-98) TCP-1	250
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS			(10-01-98) TCP-10	259
DRIVEWAYS, CURB & GUTTER & SIDEWALK			(10-01-98) SD-1	287
PIPE CULVERT INSTALLATION			(10-01-98) PI-1	300
CONCRETE PIPE COLLAR			(10-01-98) PC-1	301
JUNCTION BOX FOR PIPE CULVERTS			(10-01-98) JB-1	302
STORM SEWER STRUCTURE TYPE SS-2			(10-01-98) SS-2	322
FLARED END SECTION FOR CONCRETE PIPE			(10-01-98) FE-1	328
FLARED END SECTION FOR CONCRETE ARCH PIPE			(10-01-98) FE-1A	329
TOTAL PROJECT SHEETS				**108**

NO.	DATE	DESCRIPTION	BY

DETAILED INDEX

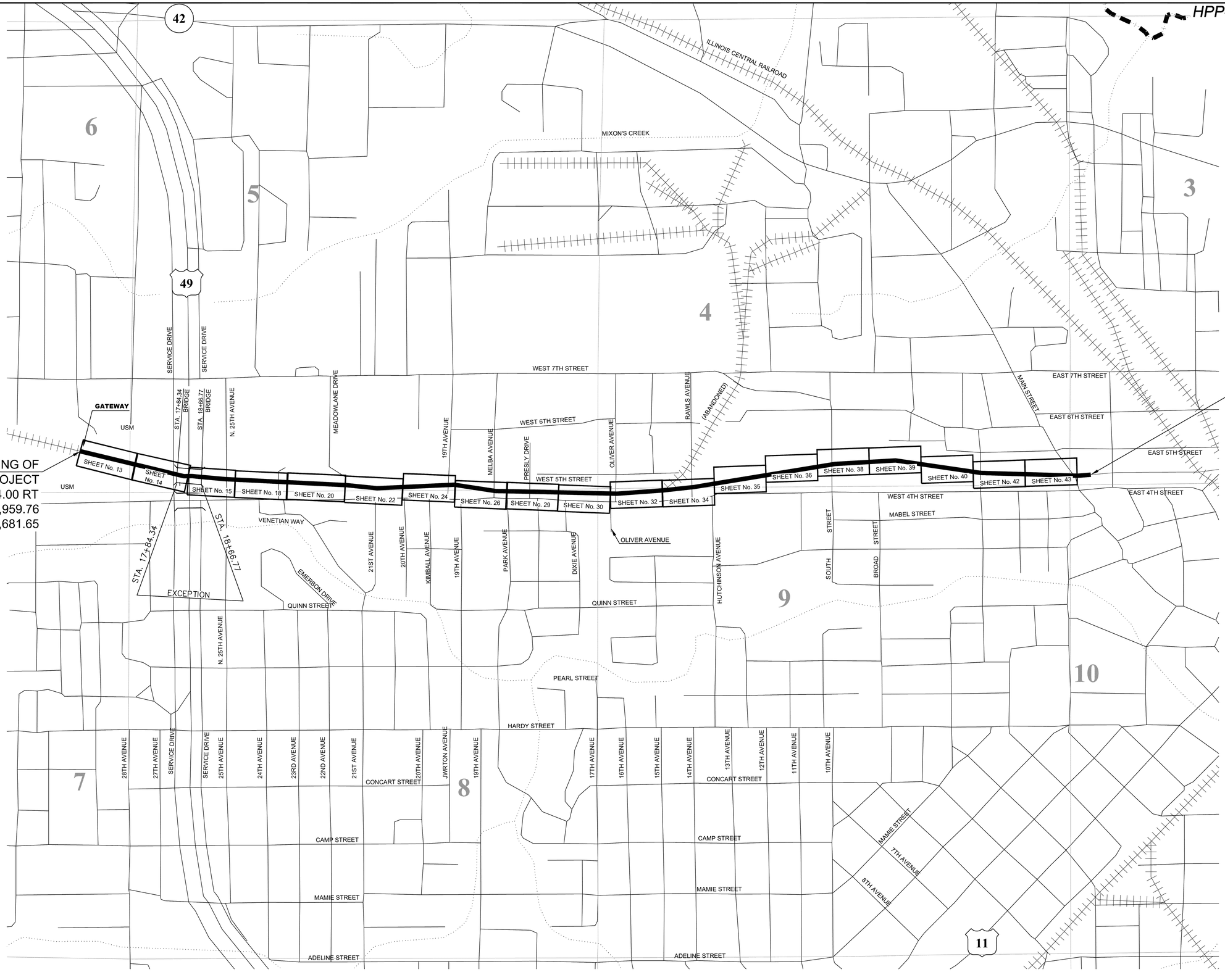
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. DI1	
Drawing No.: 12932.001C	Sheet No. 02	

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY



GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.

NO.	DATE	DESCRIPTION	BY

PROJECT MAP

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
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Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. PM1	
Drawing No.: 12932.001C	Sheet No. 03	

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GENERAL NOTES:

1. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION" (OR LATEST)
2. THE CONTRACTOR SHALL KEEP A SET OF BLUELINE PRINTS OF THE PROJECT ON THE JOB SITE SHOWING THE ACCURATE MEASUREMENTS AND ELEVATIONS OF THE "AS-BUILT" SYSTEM. THIS DATA WILL BE COLLECTED AND PUT ON THE DRAWINGS DAILY.
3. DEVIATIONS FROM THESE PLANS AND NOTES WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER, HIS REPRESENTATIVE OR THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
4. THE CONTRACTOR SHALL VERIFY AND/OR REESTABLISH ALL CENTERLINES AS DEFINED ON THESE PLANS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE CONSTRUCTION LOCATION PROCESS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN SUB-SURFACE SOIL INVESTIGATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND THE LOCATION AND PROTECTION OF ALL UTILITIES WITHIN THE WORK AREA.
8. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR FINISHING THE CONSTRUCTION PLAN.
9. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING TOPOGRAPHIC DATA, LOCATION AND PROTECTION OF ALL EXISTING UTILITIES WITHIN THE WORK AREA AND ALL OTHER SITE CONDITIONS PRIOR TO THE BEGINNING OF CONSTRUCTION. ANY CONFLICT SHALL BE COORDINATED WITH THE CONTRACTOR, OWNER AND ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE.
11. UTILITIES SHALL BE RELOCATED BY THE UTILITY OWNERS, WHERE CONFLICT WITH CONSTRUCTION OCCURS, UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE UTILITY OWNER.
12. CLEARING AND GRUBBING/REMOVAL AND DISPOSAL AT A CONTRACTOR PROVIDED OFF-SITE LOCATION SHALL BE PAID AS A LUMP SUM ITEM. CONTRACTOR SHALL BE FAMILIAR WITH THE EXTENT OF THE CLEARING AND GRUBBING PRIOR TO BIDDING THIS ITEM.
13. THE SITE SHALL BE CLEARED OF ANY RUBBLE AND DEBRIS AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE PROJECT.
14. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENTS, STRUCTURES, SOIL AND OTHER ITEMS AS INDICATED ON THESE PLANS AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
15. VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
16. PROPER MAINTENANCE OF STREETS, INCLUDING DUST CONTROL, SHALL BE STRICTLY ADHERED TO.
17. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
18. THE CONTRACTOR SHALL PROVIDE PROPER TRAFFIC CONTROL SIGNS AND FLAGGERS TO MAINTAIN ONE LANE TRAFFIC DURING CONSTRUCTION, WHERE LANE CLOSURES ARE NEEDED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY ROAD CLOSURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTATION, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES DURING CONSTRUCTION.
20. THE CONTRACTOR SHALL ADHERE TO ALL CURRENT MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY GUIDELINES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORM WATER POLLUTION AND PREVENTION PLAN AS SHOWN IN THESE PLANS. SEE SHEET No. 50 – 56. THIS PLAN AND DETAILS ARE A MINIMUM REQUIREMENT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE CONSTRUCTION SITE OR CONTAMINATE WATERS OF THE U.S., LOCAL WETLANDS AND THE ON SITE LAKES AND PONDS DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE PLAN DURING ALL PHASES OF CONSTRUCTION.
22. PROTECTING THE SITE FROM EROSION IS A REQUIREMENT OF THIS CONTRACT. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES CONTINUOUSLY DURING CONSTRUCTION OF THE PROJECT. MAINTENANCE SHALL BE PERFORMED A MAXIMUM OF 24 HOURS AFTER SILT ACCUMULATION. (NO SEPARATOR PAY)
23. ALL DISTURBED AREAS SHALL BE FERTILIZED AND SEEDED ACCORDING TO THE VEGETATION SCHEDULE IN THESE PLANS.
24. ALL EXCESS MATERIAL AND MATERIAL UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE. (NO SEPARATE PAY)
25. MATERIAL NEEDED TO BRING THE SITE TO FINISH GRADE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PAID FOR UNDER PAY ITEM 203-E.
26. GRADE ALL AREAS TO DRAIN. ALL GRASSED AREAS SHALL BE FILLED TO TOP OF CONCRETE CURB OR PAVEMENT WITH TOPSOIL AND SHALL BE FREE OF DEBRIS.
27. ALL CONCRETE STRENGTH SHALL BE 3,000 P.S.I., UNLESS OTHERWISE NOTED.
28. ALL R.C.P. AND R.C.A.P. SHALL BE CLASS III, UNLESS OTHERWISE NOTED.
29. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 24" WIDTH. ALL PICKUP HOLES SHALL BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).
30. WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT PONDING OR STANDING WATER ON THE MILLED SURFACE (NOT A SEPARATE PAY ITEM).
31. ASPHALT MIX DESIGN SHALL BE SUBMITTED TO OWNER THROUGH THE ENGINEER FOR APPROVAL.
32. MATERIAL SUBMITTALS SHALL BE MADE TO OWNER THROUGH THE ENGINEER PRIOR TO USE FOR APPROVAL.
33. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
34. CONES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF TEN (10) POUNDS. CONES USED IN SPEED ZONES EQUAL TO OR GREATER THAN 45 MPH SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF FIFTEEN (15) POUNDS. ALL CONES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
35. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
36. ALL REGULATORY SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED, CLEANED AND RESET AS DIRECTED BY THE ENGINEER. (NOT A SEPARATE PAY ITEM)
37. ALL EXISTING STREET SIGNAGE CONFLICTING WITH CONSTRUCTION SHALL BE REMOVED DURING CONSTRUCTION, REPLACED AFTER CONSTRUCTION AND SHALL BE CONSIDERED PART OF MAINTENANCE OF TRAFFIC. (NOT A SEPARATE PAY ITEM)
38. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
39. THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE DETOUR PLAN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS, PRIOR APPROVAL BY THE ENGINEER SHALL BE REQUIRED.
40. ALL STRUCTURE EXCAVATION SHALL BE INCLUDED IN THE COST OF ANY STRUCTURE WHICH WILL REQUIRE STRUCTURE EXCAVATION.
41. ANY DISTURBANCE TO EXISTING STREETS AND DRIVEWAYS SHALL BE REPAIRED IN KIND, UNLESS OTHERWISE NOTED.
42. ALL CULVERT CROSS DRAINS AND SIDE DRAINS SHALL BE PROTECTED. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL AND REPLACEMENT. ALL CULVERTS AND SIDE DRAINS (EXISTING AND PROPOSED) SHALL BE CLEANED OF ALL FOREIGN MATTER, INCLUDING SILT, PRIOR TO COMPLETION OF THE PROJECT.
43. ALL CPP AND CPP FITTINGS SHALL BE DUAL WALL HDPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL FITTINGS REQUIRED TO MAKE ALL CONNECTIONS.
44. ALL JUNCTION BOXES AND INLETS SHALL BE CONSTRUCTED PER DETAILS. THE CONSTRUCTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION FOR APPROVAL BY THE ENGINEER. PRECAST INLET BOTTOMS AND SIDES SHALL BE ALLOWED, IF APPROVED BY ENGINEER. ALL INLET TOPS SHALL BE CAST IN PLACE.
45. ALL 24" DIAMETER INLETS SHALL BE ADS MODEL 2824AG WITH 24" H-10 GRATE ADS MODEL 2499CGP, OR APPROVED EQUAL.
46. NO PIPE SHALL BE LAID IN THE PRESENCE OF WATER.
47. THE CONTRACTOR SHALL HAVE A COMPETENT AND EXPERIENCED SUPERINTENDENT ON SITE AT ALL TIMES. THE SUPERINTENDENT SHALL NOT OPERATE EQUIPMENT WHILE ON THE PROJECT SITE. WORK ON THE PROJECT SHALL STOP IF THE ASSIGNED PROJECT SUPERINTENDENT IS NOT ON SITE.

PHASES OF CONSTRUCTION

PHASE I

1. IMPLEMENT AND MAINTAIN THE CONSTRUCTION SIGNING PLAN.
2. IMPLEMENT AND MAINTAIN THE STORM WATER POLLUTION PREVENTION PLAN BETWEEN 10+14 (BOP) AND STA. 17+15.16 (US 49 SERVICE ROAD).
3. COMPLETE ALL DEMOLITION OPERATIONS BETWEEN STA. 10+14 (BOP) TO STA. 17+15.16 (US 49 SERVICE ROAD) ACCORDING THE PLAN AND PROFILE SHEETS.
4. COMPLETE TRAIL GRADING OPERATIONS AND ESTABLISH TEMPORARY GRASSING BETWEEN STA. 10+14 (BOP) TO STA. 17+15.16 (US 49 SERVICE ROAD) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
5. CONSTRUCT ALL DRAINAGE COMPONENTS BETWEEN STA. 10+14 (BOP) TO STA. 17+15.16 (US 49 SERVICE ROAD) ACCORDING THE PLAN AND PROFILE SHEETS AND ALL OTHER RELATED DETAILS.
6. INSTALL CRUSHED STONE BASE AND BOLLARDS AS REQUIRED BETWEEN STA. 10+14 (BOP) TO STA. 17+15.16 (US 49 SERVICE ROAD) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
7. CONSTRUCT ALL TRAIL PAVEMENT BETWEEN STA. 10+14 (BOP) TO STA. 17+15.16 (US 49 SERVICE ROAD) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.

PHASE II

1. IMPLEMENT AND MAINTAIN THE STORM WATER POLLUTION PREVENTION PLAN BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP).
2. COMPLETE ALL DEMOLITION OPERATIONS BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS.
3. COMPLETE TRAIL GRADING OPERATIONS AND ESTABLISH TEMPORARY GRASSING BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
4. CONSTRUCT ALL DRAINAGE COMPONENTS BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS AND ALL OTHER RELATED DETAILS.
5. INSTALL CRUSHED STONE BASE AS REQUIRED BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
6. RECONSTRUCT (INCLUDING PAVEMENT REMOVAL, GRADING AND PAVING) ALL CROSSING SIDE ROADS AND DRIVEWAYS BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
7. CONSTRUCT ALL TRAIL PAVEMENT BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.

PHASE III

1. CONSTRUCT ALL GUARD RAIL AND FENCE BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS, TYPICAL SECTIONS SHEETS AND ALL OTHER RELATED DETAILS.
2. CONSTRUCT ALL TRAIL, CROSSING SIDE ROAD AND CROSSING DRIVEWAY SHOULDERS BETWEEN STA. 18+66.77 (BRIDGE OVER US 49) AND STA. 121+50 (EOP) ACCORDING THE PLAN AND PROFILE SHEETS AND TYPICAL SECTIONS SHEETS.
3. CONSTRUCT ALL SIGNAGE AND STRIPING ON THE TRAIL, CROSSING SIDE ROAD AND CROSSING DRIVEWAY BETWEEN STA. 10+14 (BOP) AND STA. 121+50 (EOP) ACCORDING TO THE STRIPING AND SIGNAGE PLAN AND ALL OTHER RELATED DETAILS.

PHASE IV

1. MAINTAIN ALL TEMPORARY GRASSING AND ESTABLISH PERMANENT GRASSING STA. 10+14 (BOP) AND STA. 121+50 (EOP).
2. CLEAN AND MAINTAIN PROJECT FOR FINAL INSPECTION.

*** PHASES OF CONSTRUCTION NOTES: ***

DUE TO THE LARGE SCOPE OF THIS PROJECT. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION PHASE PLAN, USING THE "PHASES OF CONSTRUCTION" LISTED ABOVE, TO THE ENGINEER FOR APPROVAL, PRIOR TO THE START OF ANY OF STAGE OF THIS PROJECT.

SPECIAL CONSTRUCTION AND COORDINATION NOTES:

1. CONTRACTOR WILL COOPERATE FULLY WITH CONTRACTORS ON ADJACENT AND COINCIDING PROJECTS UNDERWAY DURING CONSTRUCTION. CONTRACTOR SHALL ANTICIPATE DELAYS AND HAVE OPEN CONVERSATIONS WITH OTHER CONTRACTORS TO MINIMIZE DELAYS.
2. THIS PROJECT IS DESIGNED BASED ON THE THE PROPOSED RECONSTRUCTION IMPROVEMENTS TO WEST 4TH STREET BETWEEN NORTH 25TH AVENUE AND HUTCHINSON AVENUE, MDOT PROJECT No. HPP-8750-00(003) LPA/104873-801000. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION REQUIRED TO CONSTRUCT THIS PROJECT (LONGLEAF TRACE – PHASE III) BASED ON THESE PLANS AND SPECIFICATIONS.

PUBLIC UTILITIES

CABLE	COMCAST CABLEVISION 2100 LINCOLN ROAD HATTIESBURG, MS 39402 (601) 268-1188
GAS	WILLMUT GAS COMPANY P.O. BOX 1649 HATTIESBURG, MS 39403-1649 (601) 544-6001
POWER	MISSISSIPPI POWER COMPANY 5082 HIGHWAY No. 42 HATTIESBURG, MS 39401 (601) 545-4130
SEWER	CITY OF HATTIESBURG P.O. BOX 1898 HATTIESBURG, MS 39403 (601) 545-4530
TELEPHONE	A T & T (800) 222-0400
WATER	CITY OF HATTIESBURG P.O. BOX 1898 HATTIESBURG, MS 39403 (601) 545-4130

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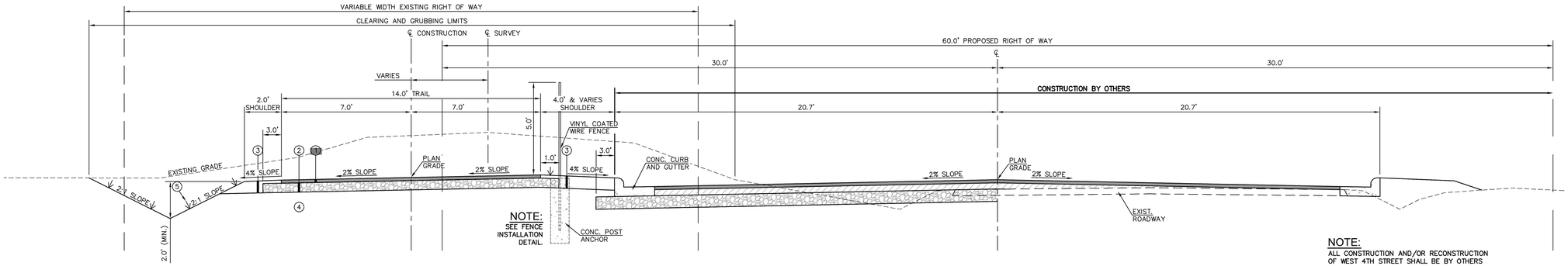
GENERAL NOTES, PHASES OF CONSTRUCTION & UTILITIES

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
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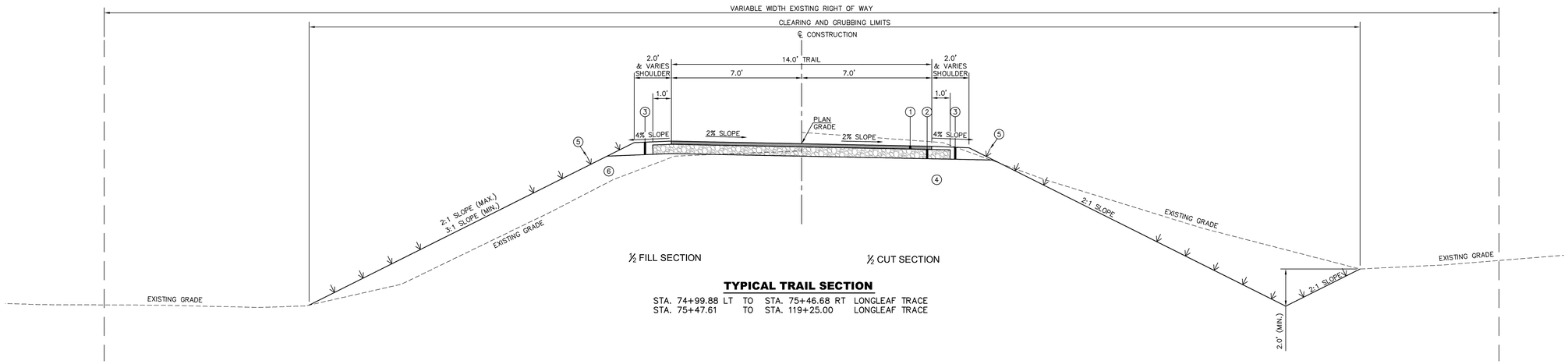
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TYPICAL TRAIL SECTION WITH WEST 4TH STREET IMPROVEMNTS

STA. 55+61.99 LT TO STA. STA. 74+99.88 LT LONGLEAF TRACE

NOTE:
ALL CONSTRUCTION AND/OR RECONSTRUCTION OF WEST 4TH STREET SHALL BE BY OTHERS UNDER A SEPARATE PROJECT. IMPROVEMENTS SHOWN HERE ARE FOR REFERENCE ONLY. (MDOT PROJECT No. HPP-8750-00(003) LPA/104873-801000)

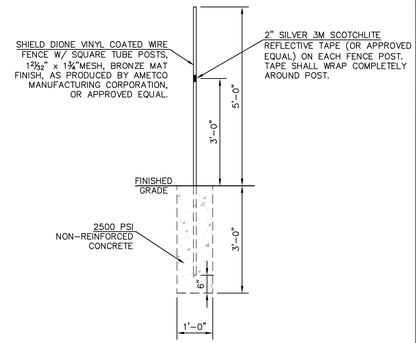


½ FILL SECTION

½ CUT SECTION

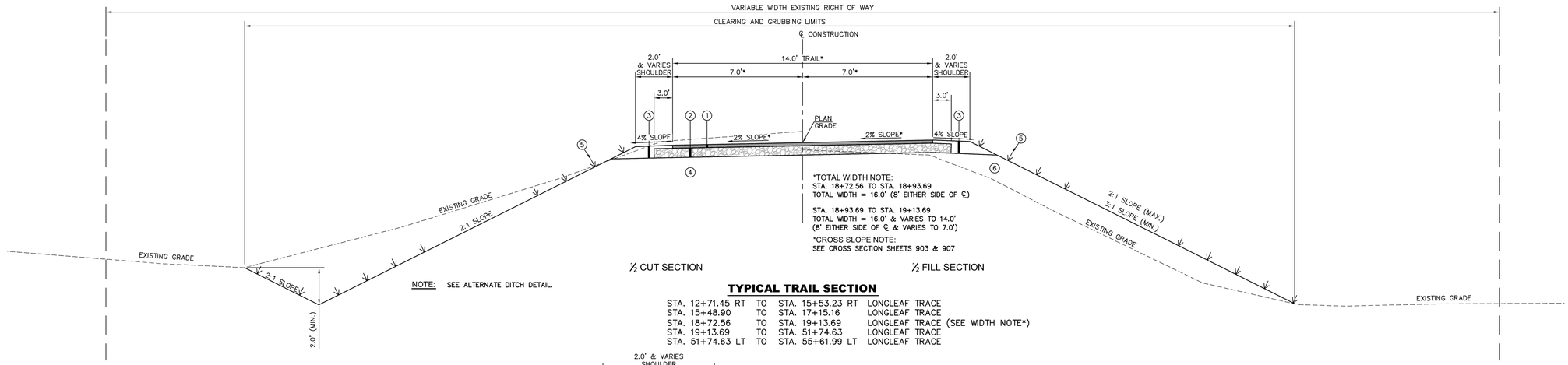
TYPICAL TRAIL SECTION

STA. 74+99.88 LT TO STA. 75+46.68 RT LONGLEAF TRACE
STA. 75+47.61 TO STA. 119+25.00 LONGLEAF TRACE



FENCE DETAIL

SCALE: 1" = 2'



*TOTAL WIDTH NOTE:
STA. 18+72.56 TO STA. 18+93.69
TOTAL WIDTH = 16.0' (8' EITHER SIDE OF ℄)

STA. 18+93.69 TO STA. 19+13.69
TOTAL WIDTH = 16.0' & VARIES TO 14.0'
(8' EITHER SIDE OF ℄ & VARIES TO 7.0')

*CROSS SLOPE NOTE:
SEE CROSS SECTION SHEETS 903 & 907

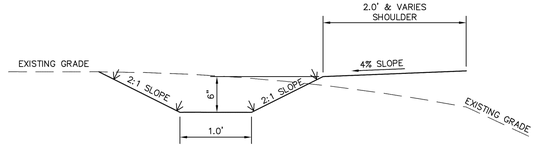
½ CUT SECTION

½ FILL SECTION

NOTE: SEE ALTERNATE DITCH DETAIL.

TYPICAL TRAIL SECTION

STA. 12+71.45 RT TO STA. 15+53.23 RT LONGLEAF TRACE
STA. 15+48.90 TO STA. 17+15.16 LONGLEAF TRACE
STA. 18+72.56 TO STA. 19+13.69 LONGLEAF TRACE (SEE WIDTH NOTE*)
STA. 19+13.69 TO STA. 51+74.63 LONGLEAF TRACE
STA. 51+74.63 LT TO STA. 55+61.99 LT LONGLEAF TRACE



ALTERNATE DITCH DETAIL

(LEFT SIDE ONLY) SCALE: 1" = 1'
STA. 52+93 LT TO STA. 62+60 LT LONGLEAF TRACE

① 2" ASPHALT, ST, (9.5mm MIXTURE) (2 @ 1" LIFTS)

② 6" CRUSHED STONE (SIZE 610) COMPACTED TO 95% OF STANDARD PROCTOR

③ 8" & VARIABLE DEPTH GRANULAR MATERIAL (CLASS 9, GROUP C) COMPACTED TO 95% OF STANDARD PROCTOR

④ EXISTING SUBGRADE COMPACTED TO 95% OF STANDARD PROCTOR

⑤ SEE VEGETATION SCHEDULE IN THESE PLANS

⑥ VARIABLE DEPTH BORROW MATERIAL (CLASS B9)

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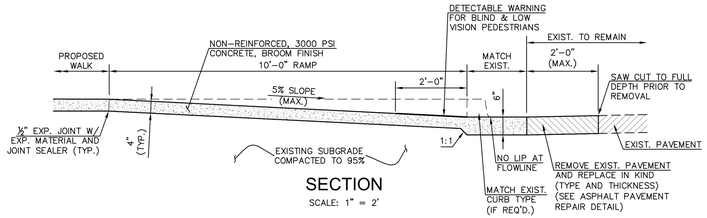
TYPICAL SECTIONS

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
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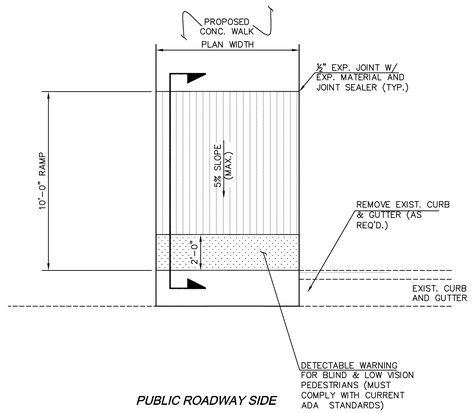
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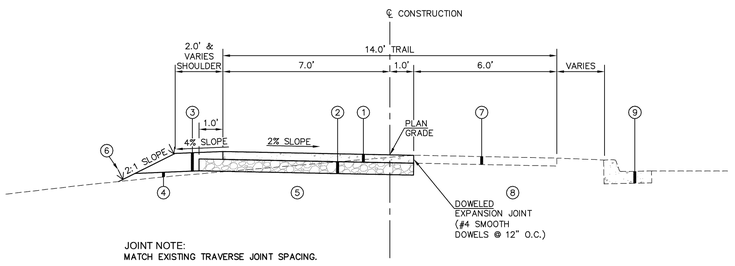


PUBLIC ROADWAY SIDE

PLAN

TYPICAL END OF SIDEWALK AT ROADWAY DETAIL

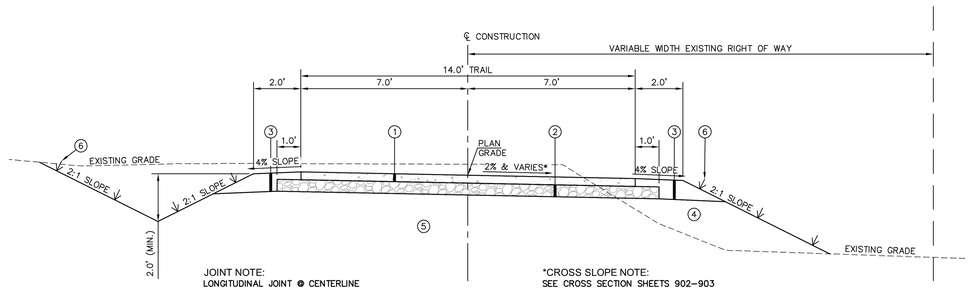
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JOINT NOTE:
MATCH EXISTING TRAVERSE JOINT SPACING.

TYPICAL TRAIL SECTION

STA. 10+14.32 RT TO STA. 11+46.77 RT LONGLEAF TRACE

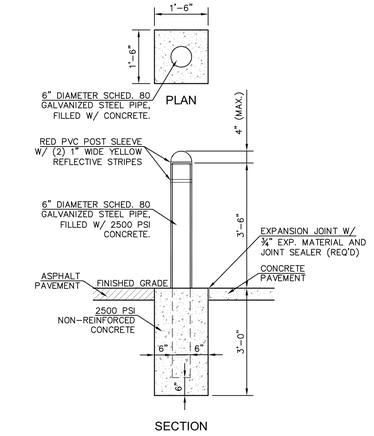


JOINT NOTE:
LONGITUDINAL JOINT @ CENTERLINE
TRAVERSE JOINTS @ 12" O.C.

*CROSS SLOPE NOTE:
SEE CROSS SECTION SHEETS 902-903

TYPICAL TRAIL SECTION

STA. 11+46.77 RT TO STA. 12+71.45 RT LONGLEAF TRACE

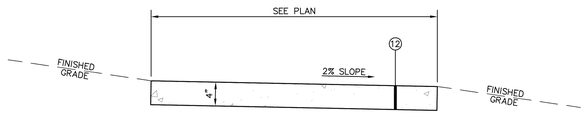


SECTION

PERMANENT BOLLARD DETAIL

SCALE: 1" = 2'

NOTE:
ALL ITEMS IN THIS DETAIL SHALL BE PAID UNDER 907-258-K



TYPICAL CONCRETE WALK DETAIL

SCALE: 1" = 1'

NOTE:
CONTROL JOINTS SHALL BE @ 5' O.C. (MAX.)
EXPANSION JOINTS SHALL BE @ 20' O.C. (MAX.)

CONCRETE NOTES (ALL DETAILS THIS SHEET):

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 1301). LATEST EDITIONS.
2. ALL NORMAL WEIGHT CONCRETE (145 P.C.F.) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
3. REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM SPECIFICATIONS A-615, GRADE 60. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 315-80 AND 315R-80.
4. ALL REINFORCING SHALL BE BOUND TOGETHER BY 9 GAUGE TIES.
5. ALL IN-SITU MATERIAL SHALL BE PROOF ROLLED PRIOR TO CONSTRUCTION. SOFT OR YIELDING AREAS SHALL BE UNDERCUT TO A DEPTH OF, NOT LESS THAN, 24 INCHES AND EXTENDED BEYOND THE PROPOSED STRUCTURE BY 12 INCHES. FILL MATERIAL SHALL BE ENGINEERED FILL AS DETAILED IN THE GEOTECHNICAL REPORT.

1. 4" REINFORCED 3000 PSI CONCRETE PAVEMENT, BROOM FINISH (PAID UNDER ITEM 608-B) (SEE SHEET 104 FOR JOINT DETAILS AND REINFORCEMENT DETAILS)
2. 6" CRUSHED STONE (SIZE 610) COMPACTED TO 95% OF STANDARD PROCTOR.
3. 8" & VARIABLE DEPTH GRANULAR MATERIAL (CLASS 9, GROUP C) COMPACTED TO 95% OF STANDARD PROCTOR.
4. VARIABLE DEPTH BORROW MATERIAL (CLASS B9).
5. EXISTING SUB-GRADE COMPACTED TO 95% OF STANDARD PROCTOR.
6. SEE VEGETATION SCHEDULE IN THESE PLANS.
7. EXISTING CONCRETE PAVEMENT.
8. EXISTING SUBGRADE.
9. EXISTING CONCRETE CURB AND GUTTER AND/OR INTEGRAL CURB.
10. 2" ASPHALT, ST, (9.5 mm MIXTURE), (2 @ 1" LIFTS).
11. 3" ASPHALT, ST, (19 mm MIXTURE), (1 @ 3" LIFT).
12. 4" NON-REINFORCED CONCRETE SIDEWALK.

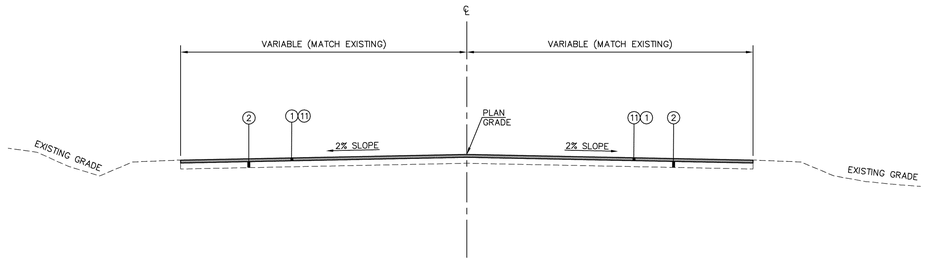
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TYPICAL SECTIONS

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

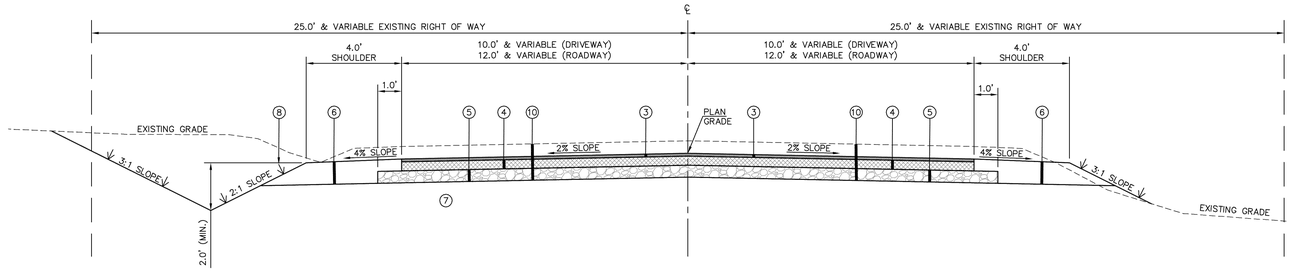
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Drawing No.: 12932.001C	Sheet No. 06		



TYPICAL ROADWAY MILL & OVERLAY SECTION

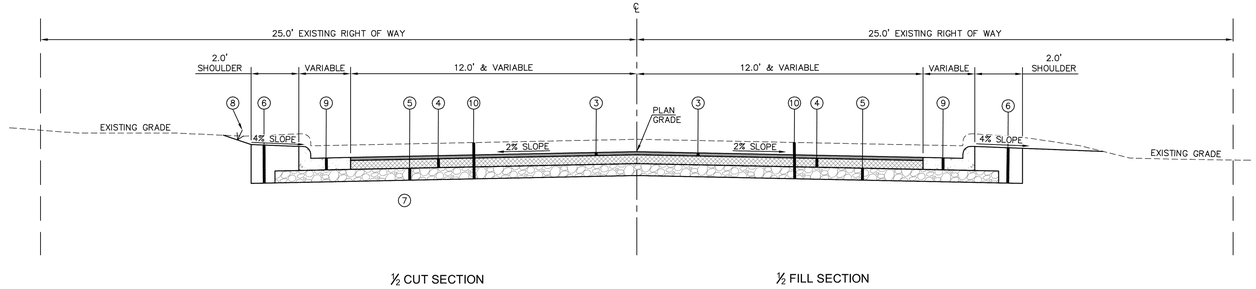
STA. 10+75.85	TO	STA. 12+66.63	NORTH 25TH AVE.
STA. 10+86.17	TO	STA. 11+80.94	DRIVEWAY 2 (NO MILLING REQ'D.)
STA. 10+40.67	TO	STA. 11+50.00	DRIVEWAY 5
STA. 11+11.66	TO	STA. 11+36.66	NORTH 19TH AVE.
STA. 11+04.92	TO	STA. 11+29.92	MELBA AVE.
STA. 10+64.87	TO	STA. 11+14.87	PRESLEY DRIVE
STA. 10+55.00	TO	STA. 10+75.00	OLIVER AVE.
STA. 10+91.96	TO	STA. 11+41.96	RAWLS AVE.
STA. 11+00.00	TO	STA. 12+00.00	NORTH ST.
STA. 11+00.00	TO	STA. 12+00.00	WEST ST.
STA. 11+00.00	TO	STA. 12+40.15	MAIN ST.



½ CUT SECTION ½ FILL SECTION

TYPICAL ROADWAY SECTION WITHOUT CURB

STA. 10+46.79	TO	STA. 11+87.37	DRIVEWAY 3
STA. 11+43.80	TO	STA. 11+50.00	DRIVEWAY 4
STA. 10+40.69	TO	STA. 11+11.66	NORTH 19TH AVE.
STA. 10+40.87	TO	STA. 11+04.92	MELBA AVE.
STA. 10+32.19	TO	STA. 10+55.00	OLIVER AVE.
STA. 10+35.20	TO	STA. 10+91.96	RAWLS AVE.



½ CUT SECTION ½ FILL SECTION

TYPICAL ROADWAY SECTION WITH CURB

STA. 10+34.10	TO	STA. 10+64.87	PRESLEY DR.

(1) VARIABLE AND UP TO 1½" (MAX.) DEPTH COLD MILLING, 1½" ASPHALT, ST, (9.5mm MIXTURE)(1 @ 1½" LIFTS)

(2) EXISTING SUB STRUCTURE TO REMAIN IN PLACE.

(3) 1½" ASPHALT, ST, (9.5mm MIXTURE)(1 @ 1½" LIFTS).

(4) 4½" ASPHALT, ST, (19.0mm MIXTURE)(2 @ 2¼" LIFTS).

(5) 6" CRUSHED STONE (SIZE 610) COMPACTED TO 95% OF STANDARD PROCTOR.

(6) 12" & VARIABLE GRANULAR MATERIAL (CLASS 9, GPOUP C) COMPACTED TO 95% OF STANDARD PROCTOR.

(7) EXISTING SUB-GRADED COMPACTED TO 95% OF STANDARD PROCTOR.

(8) SEE VEGETATION SCHEDULE IN THESE PLANS.

(9) VARIABLE TYPE AND WIDTH CONCRETE CURB & GUTTER (MATCH EXISTING).

(10) VARIABLE DEPTH REMOVAL OF EXISTING PAVEMENT, CURB (IF PRESENT) AND SUBGRADE. (SEE PLAN AND PROFILE SHEETS)

(11) VARIABLE DEPTH LEVELING ASPHALT, ST, (9.5mm MIXTURE)

NO.	DATE	DESCRIPTION	BY

TYPICAL SECTIONS

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
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Drawn by: RES	Checked by: KDW	Scale: 1" = 3'
Date: AUGUST 27, 2012	Working No. TS3	
Drawing No.: 12932.001C	Sheet No. 07	

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SUMMARY OF QUANTITIES (SHEET 1)

HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL	
201-A001	CLEARING AND GRUBBING	LS	1		
202-B005	REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS	SY	2,218		
202-B030	REMOVAL OF CONCRETE PAVEMENT, ALL DEPTHS	SY	173		
202-B038	REMOVAL OF CURB, ALL TYPES	LF	122		
202-B057	REMOVAL OF INLETS, ALL SIZES	EA	1		
202-B064	REMOVAL OF PIPE, 8" AND ABOVE	LF	67		
202-B079	REMOVAL OF HEADWALL	EA	1		
202-B160	REMOVAL OF EXISTING RAILROAD CROSSING	EA	15		①
203-A003	UNCLASSIFIED EXCAVATION, FM, AH	CY	2,417		
203-EX017	BORROW EXCAVATION, AH, FME, CLASS B9	CY	250		
203-G003	EXCESS EXCAVATION, FM, AH	CY	3,506		
211-B001	TOPSOIL FOR SLOPE TREATMENT, CONTRACTOR FURNISHED	CY	2,101		
213-C001	SUPERPHOSPHATE	TON	2		
215-A001	VEGETATIVE MATERIALS FOR MULCH	TON	8		
907-225-A001	GRASSING	ACRE	3		
907-225-B001	AGRICULTURAL LIMESTONE	TON	11		
907-226-A001	TEMPORARY GRASSING	ACRE	2		
234-A001	TEMPORARY SILT FENCE	LF	12,798		②
907-234-D001	INLET SILTATION GUARD	EA	21		②
907-237-A002	WATTLES, 12"	LF	250		②
907-237-A003	WATTLES, 20"	LF	3,389		②
907-258-K001	BOLLARD	EA	2		
907-288-A001	SITE GRADING	SY	600		
907-304-C005	GRANULAR MATERIAL, AEA, CLASS 9, GROUP C	CY	2,003		
907-304-F002	SIZE 610 CRUSHED STONE BASE	TON	9,242		
	ALTERNATE ASPHALT ITEMS				
907-403-A012	HOT MIX ASPHALT, ST, 19-MM MIXTURE	TON	561		
OR	OR				
907-403-M004	WARM MIX ASPHALT, ST, 19-MM MIXTURE	TON	561		
907-403-A015	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2,138		
OR	OR				
907-403-M001	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2,138		
907-403-B009	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE, LEVELING	TON	200		②
OR	OR				
907-403-N001	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE, LEVELING	TON	200		②
406-A001	COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS	SY	1,694		
907-407-A001	ASPHALT FOR TACK COAT	GAL	3,120		

① REMOVAL OF RAILROAD CROSSINGS SHALL INCLUDE RAILS, TIES, BALLAST AND OTHER APPURTENANCES AS DIRECTED BY THE ENGINEER. CROSSINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

② ESTIMATED QUANTITY FOR USE AS DIRECTED BY THE ENGINEER.

NO.	DATE	DESCRIPTION	BY

SUMMARY OF QUANTITIES

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
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Date: AUGUST 27, 2012	Working No. SQ1	
Drawing No.: 12932.001C	Sheet No. 08	

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SUMMARY OF QUANTITIES (SHEET 2)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	15	
602-A001	REINFORCING STEEL	LBS	1,633	
603-CA087	12" REINFORCED CONCRETE PIPE, CLASS III	LF	12	
603-CA088	18" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	148	
603-CA089	24" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	30	
603-CA091	36" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	28	
603-CB001	18" REINFORCED CONCRETE END SECTION	EA	4	
603-CB002	24" REINFORCED CONCRETE END SECTION	EA	2	
603-CB004	36" REINFORCED CONCRETE END SECTION	EA	1	
603-CB014	15" REINFORCED CONCRETE END SECTION	EA	4	
603-CE039	22" X 13" CONCRETE ARCH PIPE, CLASS A III, FLEXIBLE PLASTIC GASKETS	LF	172	
603-CF001	22" X 13" CONCRETE ARCH PIPE END SECTION	EA	14	
907-603-PE205	18" CORRUGATED POLYETHYLENE PIPE	LF	360	
907-603-PE206	24" CORRUGATED POLYETHYLENE PIPE	LF	256	
907-603-PE211	12" CORRUGATED POLYETHYLENE PIPE	LF	12	
907-603-PP001	GRATE INLET	EA	16	
604-A001	CASTINGS	LBS	1,279	
604-B001	GRATINGS	LBS	100	
606-B002	GUARD RAIL, CLASS A, TYPE 1, DOUBLE FACED	LF	846	
606-C003	GUARD RAIL, CABLE ANCHOR, TYPE 1	EA	2	
606-E003	GUARD RAIL, TERMINAL END SECTION, NON-FLARED	EA	4	
907-607-AA001	ORNAMENTAL IRON FENCE	LF	2,101	
608-A001	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	SY	115	
608-B001	CONCRETE SIDEWALK, WITH REINFORCEMENT	SY	312	
609-D001	COMBINATION CONCRETE CURB AND GUTTER TYPE 1	LF	492	
907-611-PP003	DETECTABLE WARNING, PER PLANS	SF	16	
613-D010	ADJUSTMENT OF MANHOLE COVER AND WATER VALVE	EA	1	

① ET-2000, BEST, SKT-350, ROSS-350 OR APPROVED NON-FLARED EQUAL TO BE INSTALLED FOLLOWING MANUFACTURER'S RECOMMENDATION. THE CONTRACTOR IS TO PROVIDE TWO COPIES OF MANUFACTURER'S INSTALLATION DETAILS TO THE ENGINEER. THE ENGINEER SHALL KEEP ONE COPY IN THE PROJECT FILE AND PROVIDE ONE COPY TO THE OWNER. THE INSTALLATION DETAILS SHALL BE ENGINEERING DRAWINGS, MINIMUM OF 11' X 17" IN SIZE. REFLECTIVE ADHESIVE SHEETING WITH ALTERNATING BLACK AND YELLOW STRIPES (SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS) IS REQUIRED ON THE END OF THE TERMINAL SECTION. THE TYPE OF TERMINAL ERECTED SHALL BE NOTED ON THE BACK OF THE TERMINAL WITH A SANFORD MEANSTREAK WATERPROOF FORMULA PERMANENT MARKING STICK OR BY SOME OTHER MEANS OF PERMANENT IDENTIFICATION.

NO.	DATE	DESCRIPTION	BY

SUMMARY OF QUANTITIES

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
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Date: AUGUST 27, 2012	Working No. SQ2	
Drawing No.: 12932.001C	Sheet No. 09	

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SUMMARY OF QUANTITIES (SHEET 3)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
618-A001	MAINTENANCE OF TRAFFIC	LS	1	
619-D1001	STANDARD ROADSIDE CONSTRUCTION SIGNS, LESS THAN 10 SQUARE FEET	SF	846	
619-D2001	STANDARD ROADSIDE CONSTRUCTION SIGNS, 10 SQUARE FEET OR MORE	SF	819	
619-G4005	BARRICADES, TYPE III, DOUBLE FACED	LF	684	
620-A001	MOBILIZATION	LS	1	
907-626-G001	THERMOPLASTIC DETAIL STRIPE, BLUE-ADA	LF	90	
907-626-G004	THERMOPLASTIC DETAIL STRIPE, WHITE	LF	14,297	
907-626-G005	THERMOPLASTIC DETAIL STRIPE, YELLOW	LF	6,442	
907-626-H002	THERMOPLASTIC LEGEND, BLUE-ADA HANDICAP SYMBOL	EA	1	
907-626-H004	THERMOPLASTIC LEGEND, WHITE	LF	92	
907-626-H005	THERMOPLASTIC LEGEND, WHITE	SF	2,776	
630-A001	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	SF	1,046	
630-C001	STEEL U-SECTION POSTS, 2.0 LB/FT	LF	1,624	
630-F001	DELINEATORS, GUARD RAIL, WHITE	EA	55	
907-699-A002	ROADWAY CONSTRUCTION STAKES	LS	1	

NO.	DATE	DESCRIPTION	BY

SUMMARY OF QUANTITIES

LONGLEAF TRACE – PHASE III
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Date: AUGUST 27, 2012	Working No. SQ3	
Drawing No.: 12932.001C	Sheet No. 10	

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SIGNS REQUIRED

	SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
	G20 – 1	60" x 36"	15.00			ROAD WORK NEXT X X MILES
	G20 – 2a	60" x 24"	10.00	11.00	110.00	END ROAD WORK
	G20 – 4	36" x 18"	4.50			PILOT CAR FOLLOW ME
1	M1 – 1	24" x 24"	4.00			1 OR 2 DIGIT
1	M1 – 1	30" x 24"	5.00			3 DIGIT
2	M1 – 4	24" x 24"	4.00			1 OR 2 DIGIT
2	M1 – 4	30" x 24"	5.00			3 DIGIT
3	M1 – 6	24" x 24"	4.00			1 OR 2 DIGIT
3	M1 – 6	30" x 24"	5.00			3 DIGIT
4	M3 – 1	24" x 12"	2.00			NORTH–USE WITH 1 OR 2 DIGIT RTE. MARKER
4	M3 – 1	30" x 15"	3.13			NORTH–USE WITH 3 DIGIT RTE. MARKER
4	M3 – 2	24" x 12"	2.00			EAST–USE WITH 1 OR 2 DIGIT RTE. MARKER
4	M3 – 2	30" x 15"	3.13			EAST–USE WITH 3 DIGIT RTE. MARKER
4	M3 – 3	24" x 12"	2.00			SOUTH–USE WITH 1 OR 2 DIGIT RTE. MARKER
4	M3 – 3	30" x 15"	3.13			SOUTH–USE WITH 3 DIGIT RTE. MARKER
4	M3 – 4	24" x 12"	2.00			WEST–USE WITH 1 OR 2 DIGIT RTE. MARKER
4	M3 – 4	30" x 15"	3.13			WEST–USE WITH 3 DIGIT RTE. MARKER
	M4 – 8	24" x 12"	2.00			DETOUR–USE WITH 1 OR 2 DIGIT RTE. MARKER
	M4 – 8	30" x 15"	3.13			DETOUR–USE WITH 3 DIGIT RTE. MARKER
	M4 – 9	48" x 36"	12.00	4.00	48.00	DETOUR ⇧
	M4 – 9L	48" x 36"	12.00	10.00	120.00	DETOUR ⇦
	M4 – 9BL	48" x 36"	12.00			DETOUR ↰
	M4 – 9SL	48" x 36"	12.00			DETOUR ↖
	M4 – 9BSL	48" x 36"	12.00			DETOUR ↰
	M4 – 9R	48" x 36"	12.00	10.00	120.00	DETOUR ⇨
	M4 – 9BR	48" x 36"	12.00			DETOUR ↱
	M4 – 9SR	48" x 36"	12.00			DETOUR ↗
	M4 – 9BSR	48" x 33"	12.00			DETOUR ↱
	M4 – 10L	48" x 18"	6.00			⇦ DETOUR
	M4 – 10R	48" x 18"	6.00			DETOUR ⇨
4	M4 – 5	24" x 12"	2.00			TO
4	M5 – 1L	21" x 15"	2.19			↰
4	M5 – 1R	21" x 15"	2.19			↱
4	M5 – 2L	21" x 15"	2.19			↰
4	M5 – 2R	21" x 15"	2.19			↱
4	M6 – 1L	21" x 15"	2.19			⇦
4	M6 – 1R	21" x 15"	2.19			⇨
4	M6 – 2L	21" x 15"	2.19			↖
4	M6 – 2R	21" x 15"	2.19			↗
4	M6 – 3	21" x 15"	2.19			⇧
	R1 – 1	36" x 36"	9.00	30.00	270.00	STOP (1)
	R1 – 1	48" x 48"	16.00			STOP (2)
	R1 – 2	48" x 48" x 48"	6.93			YIELD (1)
	R1 – 2	60" x 60" x 60"	10.83			YIELD (2)

SIGNS REQUIRED (CONT'D)

SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
R1 – 3	12" x 6"	0.50			3–WAY,4 WAY ETC.
R2 – 1	48" x 60"	20.00			SPEED LIMIT
R3 – 1	36" x 36"	9.00			(1)
R3 – 1	48" x 48"	16.00			(2)
R3 – 2	36" x 36"	9.00			(1)
R3 – 2	48" x 48"	16.00			(2)
R3 – 3	36" x 36"	9.00			NO TURNS (1)
R3 – 3	48" x 48"	16.00			NO TURNS (2)
R3 – 4	36" x 36"	9.00			(1)
R3 – 4	48" x 48"	16.00			(2)
R3 – 5L	30" x 36"	7.50			ONLY ↰
R3 – 5R	30" x 36"	7.50			ONLY ↱
R3 – 6L	30" x 36"	7.50			↰
R3 – 6R	30" x 36"	7.50			↱
R3 – 7L	30" x 30"	6.25			LEFT LANE MUST TURN LEFT
R3 – 7R	30" x 30"	6.25			RIGHT LANE MUST TURN RIGHT
R4 – 1	48" x 60"	20.00			DO NOT PASS (1)
					DO NOT PASS (2)
R4 – 2	48" x 60"	20.00			PASS WITH CARE (1)
					PASS WITH CARE (2)
R4 – 7	48" x 60"	20.00			⇧
R4 – 8	48" x 60"	20.00			⇧
R5 – 1	48" x 48"	16.00			DO NOT ENTER
R5 – 1a	42" x 30"	8.75			WRONG WAY
R6 – 1L	36" x 12"	3.00			ONE WAY ⇦
R6 – 1R	36" x 12"	3.00			ONE WAY ⇨
R6 – 2L	18" x 24"	3.00			ONE WAY (1)
R6 – 2L	24" x 30"	5.00			ONE WAY (2)
R6 – 2R	18" x 24"	3.00			ONE WAY (1)
R6 – 2R	24" x 30"	5.00			ONE WAY (2)
R11 – 2	48" x 30"	10.00	30.00	300.00	ROAD CLOSED
R11 – 3a	60" x 30"	12.50			ROAD CLOSED XX MILES AHEAD
R11 – 3b	60" x 30"	12.50			BRIDGE OUT XX MILES AHEAD
R11 – 4	60" x 30"	12.50	2.00	25.00	ROAD CLOSED TO THRU TRAFFIC
R12 – 1	36" x 48"	12.00			WEIGHT LIMIT XX TONS
W1 – 1L	48" x 48"	16.00			↰
W1 – 1R	48" x 48"	16.00			↱
W1 – 2L	48" x 48"	16.00			↰
W1 – 2R	48" x 48"	16.00			↱
W1 – 3L	48" x 48"	16.00			↰
W1 – 3R	48" x 48"	16.00			↱
W1 – 4aL	48" x 48"	16.00			↰
W1 – 4aR	48" x 48"	16.00			↱
W1 – 5L	48" x 48"	16.00			↰
W1 – 5R	48" x 48"	16.00			↱
W1 – 6L	48" x 24"	8.00			(1)
W1 – 6L	60" x 30"	12.50			(2)
W1 – 6R	48" x 24"	8.00			(1)
W1 – 6R	60" x 30"	12.50			(2)
W1 – 7	48" x 24"	8.00			(1)

SIGNS REQUIRED (CONT'D)

SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
W1 – 7	60" x 30"	12.50			(2)
W1 – 8L	18" x 24"	3.00			(1)
W1 – 8L	36" x 48"	12.00			(2)
W1 – 8R	18" x 24"	3.00			(1)
W1 – 8R	36" x 48"	12.00			(2)
W3 – 1a	48" x 48"	16.00			
W3 – 2a	48" x 48"	16.00			
W3 – 3	48" x 48"	16.00			
W4 – 1L	48" x 48"	16.00			
W4 – 1R	48" x 48"	16.00			
W4 – 2L	48" x 48"	16.00			
W4 – 2R	48" x 48"	16.00			
W5 – 1a	48" x 48"	16.00			PAVEMENT NARROWS
W6 – 1	48" x 48"	16.00			
W6 – 2	48" x 48"	16.00			
W6 – 3	48" x 48"	16.00			
W8 – 1	48" x 48"	16.00			BUMP
W8 – 4	48" x 48"	16.00			SOFT SHOULDER
W8 – 6	48" x 48"	16.00			TRUCK CROSSING
W8 – 9	48" x 48"	16.00			LOW SHOULDER
W10 – 1	36" DIA.	9.00			(1)
W10 – 1	48" DIA.	16.00			(2)
W13 – 1	24" x 24"	4.00			XX MPH
W14 – 3	48" x 64" x 64"	9.89			NO PASSING ZONE (1)
					NO PASSING ZONE (2)
W20 – 1	48" x 48"	16.00	6.00	96.00	ADVANCE ROAD WORK (1)
W20 – 1	36" x 36"	9.00	54.00	486.00	ADVANCE ROAD WORK (2)
W20 – 2	48" x 48"	16.00			ADVANCE DETOUR
W20 – 3	48" x 48"	16.00			ADVANCE ROAD CLOSED
W20 – 4	48" x 48"	16.00			ADVANCE ONE–LN. RD.
W20 – 4B	48" x 48"	16.00			ADVANCE ONE–LN. BR.
W20 – 5L	48" x 48"	16.00			ADVANCE LT. LN. CLOSED
W20 – 5R	48" x 48"	16.00			ADVANCE RT. LN. CLOSED
W20 – 7	48" x 48"	16.00			ADVANCE FLAGGER
W20 – 7a	48" x 48"	16.00			
W21 – 1	36" x 36"	9.00			WORKERS
W21 – 1a	36" x 36"	9.00			

SIGNS REQUIRED (CONT'D)

	SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
	W21 – 2	36" x 36"	9.00			FRESH OIL (TAR)
	W21 – 3	48" x 48"	16.00			ADVANCE ROAD MACHINERY
	W21 – 5	48" x 48"	16.00			SHOULDER WORK
	W21 – 6	36" x 36"	9.00			SURVEY CREW
	DP – 1	24" x 16"	3.00			XXX FEET
	VP – 1L	12" x 36"	3.00			
	VP – 1R	12" x 36"	3.00			
	SD1	30" x 6"	1.25	12.00	15.00	N. 25TH AVE.
	SD1	30" x 6"	1.25	12.00	15.00	MEADOW LANE DR.
	SD1	30" x 6"	1.25	12.00	15.00	N. 19TH AVE.
	SD1	30" x 6"	1.25	12.00	15.00	MELBA AVE.
	SD1	30" x 6"	1.25	12.00	15.00	OLIVER AVE.
	SD1	30" x 6"	1.25	12.00	15.00	RAWLS AVE.
5	OM – 3L	12" x 36"	3.00			
5	OM – 3R	12" x 36"	3.00			
	TOTAL SIGN AREA				LESS THAN 10 SQ. FT.	846.00 SQ. FT.
	TOTAL SIGN AREA				10 SQ. FT. OR MORE	819.00 SQ. FT.
	(1) STANDARD					
	(2) SPECIAL (USE WHERE WARRANTED)					

NOTES

1. INTERSTATE ROUTE MARKER
2. UNITED STATES ROUTE MARKER
3. STATE ROUTE MARKER
4. COLORS OF CARDINAL DIRECTION MARKERS AND DIRECTIONAL ARROWS SHALL BE APPROPRIATE TO MATCH ACCOMPANYING ROUTE MARKERS.
5. BLACK STRIPES ON YELLOW BACKGROUND

THE BACKGROUND OF ALL WARNING SIGNS ("W" SERIES) EXCEPT W10 – 1 SHALL BE ORANGE. THE W10 – 1 BACKGROUND SHALL BE YELLOW IN ALL CASES.

NO.	DATE	DESCRIPTION	BY

ESTIMATED QUANTITIES FOR TRAFFIC CONTROL DEVICES

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. EQ1	
Drawing No.: 12932.001C	Sheet No. 11	

G:\PROJECTS\Rails to Trails\12932.001 - Longleaf Trace - Phase III\12932.001C\dwg\12932001c_cvr_rmp_schol_rts.dwg, EQ1, 10/7/2013 1:57:18 PM

STANDARD ROADSIDE SIGNS

	SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
	G20 – 1	60" x 36"	15.00			ROAD WORK NEXT X X MILES
	G20 – 2a	60" x 24"	10.00			END ROAD WORK
	G20 – 4	36" x 18"	4.50			PILOT CAR FOLLOW ME
[1]	M1 – 1	24" x 24"	4.00			1 OR 2 DIGIT
[1]	M1 – 1	30" x 24"	5.00			3 DIGIT
[2]	M1 – 4	24" x 24"	4.00			1 OR 2 DIGIT
[2]	M1 – 4	30" x 24"	5.00			3 DIGIT
[3]	M1 – 6	24" x 24"	4.00			1 OR 2 DIGIT
[3]	M1 – 6	30" x 24"	5.00			3 DIGIT
[4]	M3 – 1	24" x 12"	2.00			NORTH–USE WITH 1 OR 2 DIGIT RTE. MARKER
[4]	M3 – 1	30" x 15"	3.13			NORTH–USE WITH 3 DIGIT RTE. MARKER
[4]	M3 – 2	24" x 12"	2.00			EAST–USE WITH 1 OR 2 DIGIT RTE. MARKER
[4]	M3 – 2	30" x 15"	3.13			EAST–USE WITH 3 DIGIT RTE. MARKER
[4]	M3 – 3	24" x 12"	2.00			SOUTH–USE WITH 1 OR 2 DIGIT RTE. MARKER
[4]	M3 – 3	30" x 15"	3.13			SOUTH–USE WITH 3 DIGIT RTE. MARKER
[4]	M3 – 4	24" x 12"	2.00			WEST–USE WITH 1 OR 2 DIGIT RTE. MARKER
[4]	M3 – 4	30" x 15"	3.13			WEST–USE WITH 3 DIGIT RTE. MARKER
	M4 – 8	24" x 12"	2.00			DETOUR–USE WITH 1 OR 2 DIGIT RTE. MARKER
	M4 – 8	30" x 15"	3.13			DETOUR–USE WITH 3 DIGIT RTE. MARKER
	M4 – 9	48" x 36"	12.00			DETOUR ⇧
	M4 – 9L	48" x 36"	12.00			DETOUR ⇦
	M4 – 9BL	48" x 36"	12.00			DETOUR ↰
	M4 – 9SL	48" x 36"	12.00			DETOUR ↖
	M4 – 9BSL	48" x 36"	12.00			DETOUR ↰
	M4 – 9R	48" x 36"	12.00			DETOUR ⇨
	M4 – 9BR	48" x 36"	12.00			DETOUR ↱
	M4 – 9SR	48" x 36"	12.00			DETOUR ↗
	M4 – 9BSR	48" x 33"	12.00			DETOUR ↱
	M4 – 10L	48" x 18"	6.00			DETOUR ⇦
	M4 – 10R	48" x 18"	6.00			DETOUR ⇨
[4]	M4 – 5	24" x 12"	2.00			TO
[4]	M5 – 1L	21" x 15"	2.19			↰
[4]	M5 – 1R	21" x 15"	2.19			↱
[4]	M5 – 2L	21" x 15"	2.19			↖
[4]	M5 – 2R	21" x 15"	2.19			↗
[4]	M6 – 1L	21" x 15"	2.19			⇦
[4]	M6 – 1R	21" x 15"	2.19			⇨
[4]	M6 – 2L	21" x 15"	2.19			↖
[4]	M6 – 2R	21" x 15"	2.19			↗
[4]	M6 – 3	21" x 15"	2.19			⇧
	M7 – 1R	12" x 9"	0.75	17.00	12.75	↱
	M7 – 1L	12" x 9"	0.75	5.00	3.75	↰
	M7 – 2	12" x 9"	0.75	4.00	3.00	⇧
	M7 – 5	12" x 9"	0.75	22.00	16.50	⇔
	R1 – 1	30" x 30"	6.25			STOP (1)
	R1 – 1	36" x 36"	9.00	26.00	234.00	STOP (2)
	R1 – 2	48" x 48" x 48"	6.93			YIELD (1)
	R1 – 2	60" x 60" x 60"	10.83			YIELD (2)

STANDARD ROADSIDE SIGNS (CONT'D)

SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
R1 – 3	12" x 6"	0.50			3–WAY,4 WAY ETC.
R1 – 4	18" x 6"	0.75			ALL WAY
R2 – 1	48" x 60"	20.00			SPEED LIMIT
R3 – 1	36" x 36"	9.00			(1)
R3 – 1	48" x 48"	16.00			(2)
R3 – 2	36" x 36"	9.00			(1)
R3 – 2	48" x 48"	16.00			(2)
R3 – 3	36" x 36"	9.00			NO TURNS (1)
R3 – 3	48" x 48"	16.00			NO TURNS (2)
R3 – 4	24" x 24"	4.00			(1)
R3 – 4	36" x 36"	9.00			(2)
R3 – 5L	30" x 36"	7.50			ONLY
R3 – 5R	30" x 36"	7.50			ONLY
R3 – 6L	30" x 36"	7.50			
R3 – 6R	30" x 36"	7.50			
R3 – 7L	30" x 30"	6.25			LEFT LANE MUST TURN LEFT
R3 – 7R	30" x 30"	6.25			RIGHT LANE MUST TURN RIGHT
R3 – 9B	24" x 36"	6.00			
R4 – 1	48" x 60"	20.00			DO NOT PASS (1)
					DO NOT PASS (2)
R4 – 2	48" x 60"	20.00			PASS WITH CARE (1)
					PASS WITH CARE (2)
R4 – 7	18" x 24"	3.00			
R4 – 8	48" x 60"	20.00			
R5 – 1	48" x 48"	16.00			DO NOT ENTER
R5 – 1a	42" x 30"	8.75			WRONG WAY
R5 – 3	24" x 24"	4.00	26.00	104.00	NO MOTOR VEHICLE
R6 – 1L	36" x 12"	3.00			ONE WAY
R6 – 1R	36" x 12"	3.00			ONE WAY
R6 – 2L	18" x 24"	3.00			ONE WAY (1)
R6 – 2L	24" x 30"	5.00			(2)
R6 – 2R	18" x 24"	3.00			ONE WAY (1)
R6 – 2R	24" x 30"	5.00			(2)
R11 – 2	48" x 36"	12.00			ROAD CLOSED
R11 – 3a	60" x 30"	12.50			ROAD CLOSED XX MILES AHEAD
R11 – 3b	60" x 30"	12.50			BRIDGE OUT XX MILES AHEAD
R11 – 4	60" x 30"	12.50			ROAD CLOSED TO THRU TRAFFIC
R12 – 1	36" x 48"	12.00			WEIGHT LIMIT XX TONS
W1 – 1L	48" x 48"	16.00			
W1 – 1R	48" x 48"	16.00			
W1 – 2L	48" x 48"	16.00			
W1 – 2R	48" x 48"	16.00			
W1 – 3L	48" x 48"	16.00			
W1 – 3R	48" x 48"	16.00			
W1 – 4aL	48" x 48"	16.00			
W1 – 4aR	48" x 48"	16.00			
W1 – 5L	48" x 48"	16.00			
W1 – 5R	48" x 48"	16.00			
W1 – 6L	48" x 24"	8.00			(1)
W1 – 6L	60" x 30"	12.50			(2)
W1 – 6R	48" x 24"	8.00			(1)
W1 – 6R	60" x 30"	12.50			(2)
W1 – 7	48" x 24"	8.00			(1)

STANDARD ROADSIDE SIGNS (CONT'D)

SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
W1 – 7	60" x 30"	12.50			(2)
W1 – 8L	18" x 24"	3.00			(1)
W1 – 8L	36" x 48"	12.00			(2)
W1 – 8R	18" x 24"	3.00			(1)
W1 – 8R	36" x 48"	12.00			(2)
W2 – 1	30" x 30"	6.25	25.00	156.25	
W3 – 1a	36" x 36"	9.00			(1)
W3 – 1a	48" x 48"	16.00			(2)
W3 – 2a	48" x 48"	16.00			
W3 – 3	48" x 48"	16.00			
W4 – 1L	36" x 36"	9.00			
W4 – 1L	48" x 48"	16.00			
W4 – 1R	36" x 36"	9.00			
W4 – 1R	48" x 48"	16.00			
W4 – 2L	36" x 36"	9.00			
W4 – 2L	48" x 48"	16.00			
W4 – 2R	36" x 36"	9.00			
W4 – 2R	48" x 48"	16.00			
W5 – 1a	48" x 48"	16.00			PAVEMENT NARROWS
W6 – 1	48" x 48"	16.00			
W6 – 2	48" x 48"	16.00			
W6 – 3	48" x 48"	16.00			
W8 – 1	48" x 48"	16.00			BUMP
W8 – 4	48" x 48"	16.00			SOFT SHOULDER
W8 – 6	48" x 48"	16.00			TRUCK CROSSING
W8 – 9	48" x 48"	16.00			LOW SHOULDER
W9 – 2L	30" x 30"	6.25			LANE ENDS MERDGE RIGHT
W9 – 2R	30" x 30"	6.25			
W10 – 1	36" DIA.	9.00			(1)
W10 – 1	48" DIA.	16.00			(2)
W11 – 1	30" x 30"	6.25	26.00	162.50	
W13 – 1	24" x 24"	4.00			XX MPH
W14 – 3	48" x 64" x 64"	9.89			NO PASSING ZONE (1)
					NO PASSING ZONE (2)
W20 – 1	48" x 48"	16.00			ADVANCE ROAD WORK (1)
W20 – 1	36" x 36"	9.00			ADVANCE ROAD WORK (2)
W20 – 2	48" x 48"	16.00			ADVANCE DETOUR
W20 – 3	48" x 48"	16.00			ADVANCE ROAD CLOSED
W20 – 4	48" x 48"	16.00			ADVANCE ONE–LN. RD.
W20 – 4B	48" x 48"	16.00			ADVANCE ONE–LN. BR.
W20 – 5L	48" x 48"	16.00			ADVANCE LT. LN. CLOSED
W20 – 5R	48" x 48"	16.00			ADVANCE RT. LN. CLOSED
W20 – 7	48" x 48"	16.00			ADVANCE FLAGGER
W20 – 7a	48" x 48"	16.00			
W21 – 1	36" x 36"	9.00			WORKERS
W21 – 1a	36" x 36"	9.00			

STANDARD ROADSIDE SIGNS (CONT'D)

SIGN NO.	SIZE	UNIT AREA (SQUARE FEET)	QUAN. REQ'D.	TOTAL SIGN AREA (SQUARE FEET)	REMARKS
W21 – 2	36" x 36"	9.00			FRESH OIL (TAR)
W21 – 3	48" x 48"	16.00			ADVANCE ROAD MACHINERY
W42–8	30" x 30"	6.25	28.00	175.00	SLOW
W42–8	36" x 36"	9.00			SLOW
W21 – 5	48" x 48"	16.00			SHOULDER WORK
W21 – 6	36" x 36"	9.00			SURVEY CREW
D1 – 1C	18" x 6"	0.75	11.00	8.25	MAIN ST
D1 – 1C	18" x 6"	0.75	10.00	7.50	GATEWAY
D1 – 1C	18" x 6"	0.75	4.00	3.00	ZOO
D1 – 1C	18" x 6"	0.75	1.00	0.75	W 4TH ST
D11 – 1	24" x 18"	3.00	41.00	123.00	BIKE ROUTE
DP – 1	24" x 16"	3.00			XXX FEET
VP – 1L	12" x 36"	3.00			
VP – 1R	12" x 36"	3.00			
[5] OM – 3L	12" x 36"	3.00	6.00	18.00	
[5] OM – 3R	12" x 36"	3.00	6.00	18.00	

TOTAL SIGN AREA	1,046.25 SQ. FT.

(1) STANDARD
(2) SPECIAL (USE WHERE WARRANTED)

NOTES

[1] INTERSTATE ROUTE MARKER
[2] UNITED STATES ROUTE MARKER
[3] STATE ROUTE MARKER
[4] COLORS OF CARDINAL DIRECTION MARKERS AND DIRECTIONAL ARROWS SHALL BE APPROPRIATE TO MATCH ACCOMPANYING ROUTE MARKERS.
[5] BLACK STRIPES ON YELLOW BACKGROUND

THE BACKGROUND OF ALL WARNING SIGNS ("W" SERIES) EXCEPT W10 – 1 SHALL BE ORANGE. THE W10 – 1 BACKGROUND SHALL BE YELLOW IN ALL CASES.

NO.	DATE	DESCRIPTION	BY

STANDARD ROADWAY SIGNS QUANTITIES

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. EQ2	
Drawing No.: 12932.001C	Sheet No. 12	

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

MISSISSIPPI TANK MANUFACTURING COMPANY
OWNER

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

CONTROL MONUMENT 1
R.R. MILE POST #3
N 666941.636
E 838939.197
6.31FT LT STA 12+68.65

CHAIN LINK FENCE (EXIST.)
EVIDENCE OF RIGHT OF WAY
TELEPHONE PEDESTAL ON 4'x3' CONCRETE SLAB (EXIST.)
℄ SURVEY
CURVE No. 1
Δ=12°08'09"
R=5729.65'
L=1213.59'
T=609.07'
D=1°00'00"
STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER
16" PINE
19" PINE
EVIDENCE OF RIGHT OF WAY
16" PINE
14" LIVE OAK
30" PINE
17" PINE
FOUND REBAR
18" RCP (EXIST.) FL = 199.12
℄ DITCH (EXIST.)
RAIL (EXIST.)
EDGE OF BALLAST (EXIST.)
16" WATER LINE (EXIST.)
109 LF 18" CPP (EXIST.) US FL = 197.64 DS FL = 195.01
20" PINE
18" SWEETGUM
9" POPLER
9" CEADER
20" PINE
5'x5' CONCRETE SLAB (EXIST.)
61 LF 18" CPP (EXIST.) US FL = 195.09 DS FL = 194.68
TIE TO EXIST. CONC. WALK (REQ'D)
6' CONC. WALK (EXIST.)
24" LIVE OAK
24" LIVE OAK
10+00
STA. 10+23 LT
DROP INLET (EXIST.)
TOP = 202.78
INV = 199.45
TWO STORY BUILDING (EXIST.) FFE= 206.25
CONC. STEPS (EXIST.)
3" CEDAR
CEDAR
STA. 10+25 RT
DROP INLET (EXIST.) SHALL BE CONVERTED TO JB-1 (REQ'D)
STA. 10+84 RT
36"x23" RCAP FES (EXIST.)
FL = 199.72
36"x23" RCAP (EXIST.)
CONC. PAVEMENT (EXIST.)
S75°58'43"E
℄ SURVEY
PC = 14+29.27
469 S.Y. ASPHALT & CONC. DRIVEWAY (EXIST.) SHALL BE REMOVED (REQ'D)
115 SY CONC. WALK (EXIST.) SHALL BE REMOVED (REQ'D)
STA. 13+72.55 LT
15 SY, 6' WIDE
CONC. WALK (REQ'D)
STA. 13+72.55 LT
12 LF 12" CPP (REQ'D)
US FL = 198.77
DS FL = 198.66
APPROX. CONST. LIMITS
15+00
APPROX. CONST. LIMITS
EDGE OF BALLAST (EXIST.)
℄ SURVEY
10+00 RT
6' CONC. WALK (EXIST.)
CONC. CURB (EXIST.)
CONC. CURB CUT RAMP (EXIST.)
11+00 RT
CONC. CURB (EXIST.)
CONC. CURB CUT RAMP (EXIST.)
12+00 RT
16" WATER LINE (EXIST.)
CONC. PARKING LOT (EXIST.)
STA. 12+52.42, 15.2' LT
18" RCP FES (REQ'D)
FL = 197.70
STA. 12+61.30, 10.9' RT
SS-2 (REQ'D)
CONC. CURB (EXIST.)
STA. 12+60 RT
12 LF DBL 18" CPP (EXIST.) SHALL BE REMOVED (REQ'D)
18" RCP (EXIST.) FL = 197.61
50 SY CONC. WALK (EXIST.) SHALL BE REMOVED (REQ'D)
S76°01'15"E
℄ CONST. RT
RAIL (EXIST.)
℄ DITCH
N88°58'45"E
℄ CONST. RT
13+00 RT
STA. 12+92 RT
45 LF RAILROAD RAILS AND TIES SHALL BE REMOVED (REQ'D)
CONC. PARKING LOT (EXIST.)
CONC. CURB (EXIST.)
14+00 RT
PT = 14+02.35 RT
APPROX. CONST. LIMITS
PC = 14+46.25 RT
SECURITY LIGHT ON METAL POLE (EXIST.)
STA. 13+67.00 RT
22 SY, 6' WIDE
CONC. WALK (REQ'D)
TIE TO EXIST. CONC. WALK (REQ'D)
15+00 RT
EDGE OF BALLAST (EXIST.)
APPROX. CONST. LIMITS
℄ DITCH (EXIST.)
℄ RT CURVE No. 2
Δ=12°15'35"
R=500.00'
L=106.99'
T=53.70'
D=11°27'33"
PRC = 15+53.23 RT BK
STA. 15+48.90 AH
EVIDENCE OF RIGHT OF WAY
℄ SURVEY
70'
50'
STA. 10+14.32 (RT)
BEGIN GRADING & CONC. PAVEMENT (TIE TO EXIST.)
NORTHEAST ¼ OF SECTION
SOUTHEAST ¼ OF THE SOUTHWEST ¼
STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER
STA. 12+71.45 (RT)
END CONC. PAVEMENT
BEGIN ASPHALT PAVEMENT
STA. 12+64 RT TO STA. 13+01 RT
6 LF CONC. CURB (EXIST.) SHALL BE REMOVED,
37 LF TYPE I CONC. CURB & GUTTER (REQ'D)
℄ RT CURVE No. 1
Δ=15°00'00"
R=500.00'
L=130.90'
T=65.83'
D=11°27'33"

STA. 10+14 RT (LONGLEAF TRACE)
BEGINNING OF PROJECT

NOTE:
600 S.Y. SITE GRADING
SHALL BE USED FOR SHAPING & GRADING TO DRAIN STA 13+88 LT & RT, AS DIRECTED (REQ'D)

STA. 26+60
18 L.F. 18" RCP W/
(1) FES (REQ'D)
US FL = 197.82
DS FL = 197.70

50.00' VC
PVI STA = 11+71.45
PVI ELEV = 202.36
A.D. = 0.54
K = 92.59

PVI STA = 10+14.33
PVI ELEV = 203.92
PVI STA = 10+46.77
PVI ELEV = 203.66
BVCS: 11+46.45
BVCE: 202.62
EVCS: 11+96.45
EVCE: 202.24
BVCS: 16+00.00
BVCE: 200.20

−0.31% −0.80% −1.04% 0.50% 0.50%
FINISHED GRADE
EXISTING GRADE
FINISHED GRADE
36"x23" RCAP (EXIST.)
36"x23" RCAP (EXIST.)
JB-1 (RT) FL = 200.32
36"x23" RCAP FES (RT) (EXIST.) TO REMAIN FL = 199.72
DITCH GRADE LT (EXIST.)
DITCH GRADE LT (REQ'D)
DITCH GRADE RT (EXIST.)
DITCH GRADE RT (EXIST.)
STA. 12+51.76 LT
18" RCP (EXIST.)
FL = 197.61
STA. 12+60 RT
DBL 18" CPP (EXIST.) SHALL BE REMOVED (REQ'D)
SS-2 (RT) FL = 197.82

STA. 10+25 RT
TYPE JB-1
FL. 200.32
H MIN.
OPENINGS
W1 36"x23"
W2
W3 36"x23"
W4

STA. 12+61.30 RT
TYPE SS-2
T.C. 201.50
T.G.
INV. 197.61
FL. 197.82
L. 5.0'
W. 2.5'
H. 4.39'
OPENINGS
1 @ 18"

STA. 10+14.00 RT
BEGINNING OF PROJECT

STA. 15+53.23 (BK) = STA. 15+48.90 (AH)
(CONST. RT) (LONGLEAF TRACE)

215 210 205 200 195 190 185 180 175

204.0 203.96 | 203.7 203.63 | 203.2 203.11 | 202.4 202.59 | 201.7 202.22 | 201.9 201.97 | 201.8 201.72 | 201.2 201.47 | 201.1 201.22 | 201.2 200.97 | 201.0 200.72 | 200.8 200.47 | 200.8 200.45 | 200.4 200.20
EXISTING GRADE
PROPOSED GRADE

10+00 11+00 12+00 13+00 14+00 15+00 16+00

LONGLEAF TRACE, ℄ CONST. RT.
STA. 10+00 RT THRU STA. 15+53.23 RT

LONGLEAF TRACE, ℄ CONST.
STA. 15+48.90 THRU STA. 16+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
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DRAWING NO. 12932.001C
WORKING No. WK_01
SHEET NO. 13

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

BENCH MARK ELEVATION 193.60
'X' ON END OF WING WALL
21.83 FT LT STA. 17+65.02

U.S. HIGHWAY 49 REFERENCE INFORMATION:
FEDERAL AID PROJECT No.: 233A-(1)
FEDERAL AID PROJECT No.: TQF-080-1(2)
FEDERAL AID PROJECT No.: HHS-080-1(3)

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

THE WOODS FAMILY TRUST
CYNTHIA P. WOODS, TRUSTEE
OWNER

SUSAN WINTERS
OWNER

OMITTED SECTION

STA. 17+15.16
35.7 LF CONC. CURB (EXIST.) & 7.5 SY CONC. WALK (EXIST.) SHALL BE REMOVED (REQ'D)

STA. 17+11.01, 18.0' LT
CURB RAMP (REQ'D)
(TIE TO EXIST.)

TIE TO EXIST. ROADWAY (REQ'D)

STA. 17+00
(2) BOLLARDS (REQ'D)

STA. 16+73.13,
25.0' RT
PC-1 (REQ'D)

STA. 17+13.70
18.1' RT
CURB RAMP (REQ'D)
(TIE TO EXIST.)

36" RCP FES STUB OUT (REQ'D RT)
FL = 189.63

STA. 16+75.26,
44.6' RT
JB-1 (REQ'D)

STA. 16+91.20, 45.0' RT
12 L.F. 36" RCP & DAMAGED CONC. HEADWALL (EXIST.) SHALL BE REMOVED (REQ'D)

STA. 17+03.10,
45.3' RT
PC-1 (REQ'D)
(VERIFY FLOWLINE)

STA. 16+73
83 LF 24" RCP (EXIST.)
US FL = 191.19
DS FL = 190.72

18 L.F. 24" RCP (REQ'D)

27 L.F. 36" RCP (REQ'D)

36" RCP (EXIST.)

STA. 17+84.34
BRIDGE ABUT. (EXIST.)

STA. 18+66.77
BRIDGE ABUT. (EXIST.)

STA. 17+15.16

STA. 18+72.58

US HIGHWAY No. 49

SERVICE ROAD

STEEL GIRDER BRIDGE (EXIST.)

BOLLARDS (EXIST.) (TYP.)

STA. 18+76.16
BOLLARDS (EXIST.)

8' CONC. WALK (EXIST.)

RET. WALL (EXIST.)

SOUTH BOUND LANES (EXIST.)

NORTH BOUND LANES (EXIST.)

STA. 18+26.35 (LONGLEAF TRACE)=
258+52.75 (US HIGHWAY No. 49)=
RAILROAD MILE POST 2.89

STA. 17+33.71 (LONGLEAF TRACE)=
STA. 11+00.00 (SERVICE RD.)

STA. 17+15.16
END GRADING & ASPHALT PAVEMENT (TIE TO EXIST.)

STA. 18+72.58
BEGIN GRADING & ASPHALT PAVEMENT (TIE TO EXIST.)

℄ SURVEY
CURVE No. 1
Δ=12°08'09"
R=5729.65'
L=1213.59'
T=609.07'
D=1°00'00"

℄ RT CURVE No. 3
Δ=2°09'25"
R=5736.65'
L=215.95'
T=107.99'
D=0°59'56"

SPECIAL NOTE:
COORDINATE WITH CONSTRUCTION PLANS FOR PROJECT No. STP-0210-00(022) ARRA 105825-301000 FOR OMITTED SECTION, AS WELL AS ALL NOTES MARKED "BY OTHERS"

STA. 19+09.97, 15' LT
248.0 L.F. DBL FACED GUARDRAIL (REQ'D)
1 - TERMINAL SECTION (REQ'D)
1 - TYPE I CABLE ANCHORAGE (REQ'D)
16 - DBL WHITE DELINEATORS (REQ'D)

STA. 19+28.58, 15' RT
233.0 L.F. DBL FACED GUARDRAIL (REQ'D)
1 - TERMINAL SECTION (REQ'D)
1 - TYPE I CABLE ANCHORAGE (REQ'D)
15 - DBL WHITE DELINEATORS (REQ'D)

GUARDRAIL (REQ'D LT)

GUARDRAIL (REQ'D RT)

169 S.Y. ASPHALT PAVEMENT SHALL BE REMOVED (REQ'D)

DROP INLET (EXIST.)
TOP = 196.33
INV = UNKNOWN

ASPHALT PARKING LOT (EXIST.)

ONE STORY BUILDING (EXIST.)

STA. 22+16.56 (LONGLEAF TRACE)=
STA. 11+60.02 (NORTH 25th AVE.)

STA. 22+16.56
AT GRADE RAILROAD CROSSING SHALL BE REMOVED (REQ'D)

NORTH 25TH AVENUE

20" WATER LINE (EXIST.)
OVERHEAD POWER LINE (EXIST.)
UNDERGROUND GAS (EXIST.)
FIBER OPTIC BOX (EXIST.)
FIBER OPTIC LINE (EXIST.)
RAIL (EXIST.)
GRAVEL AREA (EXIST.)
GRAVEL (EXIST.)
EDGE OF ASPHALT (EXIST.)
EDGE OF ASPHALT (REQ'D)
EDGE OF BALLAST (EXIST.)
APPROX. CONST. LIMITS
EVIDENCE OF RIGHT OF WAY
FOUND RAILROAD SPIKE
FOUND REBAR
FOUND 3/4" CRIMP TOP
CONCRETE MONUMENT
C DITCH (EXIST.)
TOP OF BANK
ASPHALT APRON (EXIST.)
GUARDRAIL (EXIST.)
OVERHEAD POWER LINE (EXIST.)
MNDOT RIGHT OF WAY LINE
℄ SURVEY
℄ CONST.
℄ EXIST.
℄ DITCH (EXIST.)
CONC. CURB (EXIST.)
CONC. WALK (EXIST.)
EVIDENCE OF RIGHT OF WAY
30" OAK
16" PINE
19" PINE
18" PINE
SECURITY LIGHT ON METAL POLE (EXIST.)
4" METAL POST (EXIST.)
24" LIVE OAK
70'
50'
76°45'39"
81°25'40"
259+00
258+00
12+00
11+00
20+00
22+00
IND. POST
PP
PB
TP

GRAPHIC GRADE

100.00' VC
LOW POINT ELEV = 200.07
LOW POINT STA = 16+50
PVI STA = 16+50
PVI ELEV = 199.95
A.D. = 1.00
K = 100.00

BVCS: 16+00.00
BVCE: 200.20
EVCS: 17+00.00
EVCE: 200.20
EXISTING GRADE
FINISHED GRADE
0.50%

BRIDGE (EXIST.)
OMITTED SECTION
FINISHED GRADE
EXISTING GRADE

STA. 16+73
24" RCP (EXIST.)
US FL = 191.19
DS FL = 190.72
DITCH GRADE RT (EXIST.)
36" RCP (REQ'D RT)
36" RCP (EXIST.)
36" FES (RT)
FL = 189.63
JB-1 (RT)
FL = 189.29
PC-1 (RT)

STA. 16+77.17 RT	
TYPE	JB-1
FL	189.29
H	MIN.
OPENINGS	
W1	189.29 (36")
W2	
W3	189.63 (36")
W4	190.63 (24")

STA. 17+15.16 (LONGLEAF TRACE) = STA. 17+33.71 (LONGLEAF TRACE) STA. 11+00.00 (SERVICE RD.)

STA. 18+26.36 = (LONGLEAF TRACE) 258+52.75 US HIGHWAY No. 49

STA. 18+72.58

STA. 22+16.59 = (LONGLEAF TRACE) STA. 11+60.02 (NORTH 25th AVE.)

| | | |

BENCH MARK ELEVATION 196.18
FFE OF LOADING DOCK
62.04 FT LT STA. 27+38.40

HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

SUSAN WINTERS
OWNER

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

℄ SURVEY
CURVE No. 1
Δ=12°08'09"
R=5729.65'
L=1213.59'
T=609.07'
D=1°00'00"

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

SOUTHWEST ¼ OF THE SOUTHWEST ¼

SOUTHEAST ¼ OF THE SOUTHWEST ¼

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

20" WATER LINE (EXIST.)

STA. 22+16.56
AT GRADE RAILROAD CROSSING SHALL BE REMOVED (REQ'D)

EVIDENCE OF RIGHT OF WAY

FIBER OPTIC BOX (EXIST.)

IND. POST

12+00

FOUND RAILROAD SPIKE

RT = 11+91.48

STA. 22+77.41
28 S.Y. ASPHALT PAVEMENT SHALL BE REMOVED (REQ'D)

STA. 23+17.37 16' RT
VACUUM (EXIST.) SHALL BE REMOVED (REQ'D)

STA. 23+41.95 16' RT
VACUUM (EXIST.) SHALL BE REMOVED (REQ'D)

FIBER OPTIC LINE (EXIST.)

APPROX. CONST. LIMITS

PT = 24+84.26

25+00

℄ SURVEY

RAIL (EXIST.)

85°42'23"

50'

25'

UNDERGROUND GAS (EXIST.)

EDGE OF BALLAST (EXIST.)

FOUND RAILROAD SPIKE

S88°06'52"E

STA. 26+91.76
AT GRADE RAILROAD CROSSING SHALL BE REMOVED (REQ'D)

STA. 26+68 LT
18" RCP (EXIST.)
FL = 191.53

12+00

GRAVEL DRIVEWAY (EXIST.)

ONE STORY BUILDING (EXIST.)

18" RCP (EXIST.)

18" RCP (EXIST.)

18" RCP (EXIST.)

EVIDENCE OF RIGHT OF WAY

STA. 27+36 LT
DROP INLET (EXIST.)
TOP = 192.73
INV = 190.71

STA. 27+78 LT
DROP INLET (EXIST.)
TOP = 192.45
INV = 190.41

22"x13" RCAP W/ FES (REQ'D LT)

88°32'08"

RAIL (EXIST.)

OVERHEAD POWER LINE (EXIST.)

22"x13" RCAP W/ FES (REQ'D RT)

STA. 22+16.59 (LONGLEAF TRACE)=
STA. 11+60.02 (NORTH 25th AVE.)

SECURITY LIGHT ON METAL POLE (EXIST.)

SECURITY LIGHT ON METAL POLE (EXIST.)

GUARDRAIL (REQ'D RT)

5.0' (TYP.)

EDGE OF ASPHALT (EXIST.)

EDGE OF ASPHALT (REQ'D)

89 S.Y. ASPHALT PAVEMENT SHALL BE REMOVED (REQ'D)

FOUND RAILROAD SPIKE

FOUND ½" REBAR

STA. 26+91.76 (LONGLEAF TRACE)=
STA. 11+37.08 (DRIVEWAY No. 2)

ONE STORY BUILDING (EXIST.)

11+00

NORTH 25TH AVENUE

℄ CONST.

EVIDENCE OF RIGHT OF WAY

OVERHEAD POWER LINE (EXIST.)

ASPHALT PARKING LOT (EXIST.)

ONE STORY BUILDING (EXIST.)

ONE STORY BUILDING (EXIST.)

ASPHALT PARKING LOT (EXIST.)

ONE STORY BUILDING (EXIST.)

ASPHALT PARKING LOT (EXIST.)

DRIVEWAY No. 2

ASPHALT DRIVEWAY (EXIST.)

CONC. PARKING LOT (EXIST.)

ONE STORY BUILDING (EXIST.)

THE WOODS FAMILY TRUST
CLARENCE W. WOODS & CYNTHIA P. WOODS, TRUSTEES
OWNER

HENRY E. & VIRGINIA WILLIAMS
OWNER

STATE OF MISSISSIPPI
(UNIVERSITY OF SOUTHERN MISSISSIPPI)
OWNER

STA. 22+38.84, 15' RT
365.0 L.F. DBL FACED GUARDRAIL (REQ'D)
2 - TERMINAL SECTIONS (REQ'D)
24 - DBL WHITE DELINEATORS (REQ'D)

STA. 26+91.76 13.0' LT
24 L.F. 22"x13" RCAP (CLASS IV) W/ (2) FES (REQ'D)
US FL = 193.43
DS FL = 193.25

STA. 26+91.76 12.8' RT
24 L.F. 22"x13" RCAP (CLASS IV) W/ (2) FES (REQ'D)
US FL = 193.68
DS FL = 193.50

GRAPHIC GRADE

EXISTING GRADE

FINISHED GRADE

EXISTING GRADE

FINISHED GRADE

FINISHED GRADE

22"x13" FES (RT)
FL = 193.68

22"x13" FES (LT)
FL = 193.43

22"x13" FES (RT)
FL = 193.50

22"x13" FES (LT)
FL = 193.25

22"x13" RCAP
(LT & RT)

STA. 22+16.59 = (LONGLEAF TRACE)
STA. 11+60.02 (NORTH 25th AVE.)

STA. 26+91.76 = (LONGLEAF TRACE)
STA. 11+37.08 (DRIVEWAY No. 2)

	EXISTING GRADE	PROPOSED GRADE
22+00	198.5	199.04
	197.7	198.71
23+00	197.5	198.17
	197.2	197.87
24+00	196.8	197.47
	196.5	197.17
25+00	196.4	197.07
	196.2	196.87
26+00	195.9	196.57
	196.1	196.39
27+00	196.3	196.30
	194.9	195.57
28+00	194.8	195.34

LONGLEAF TRACE
STA. 22+00 THRU STA. 28+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

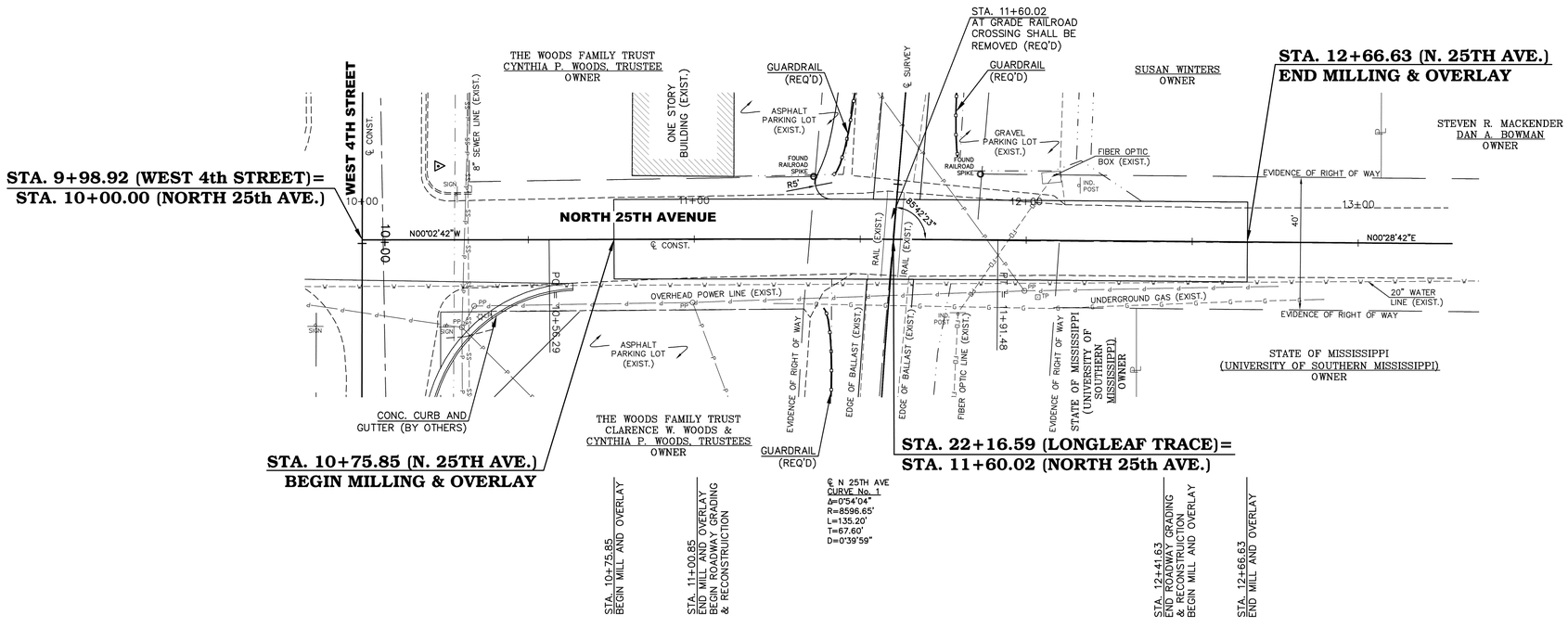
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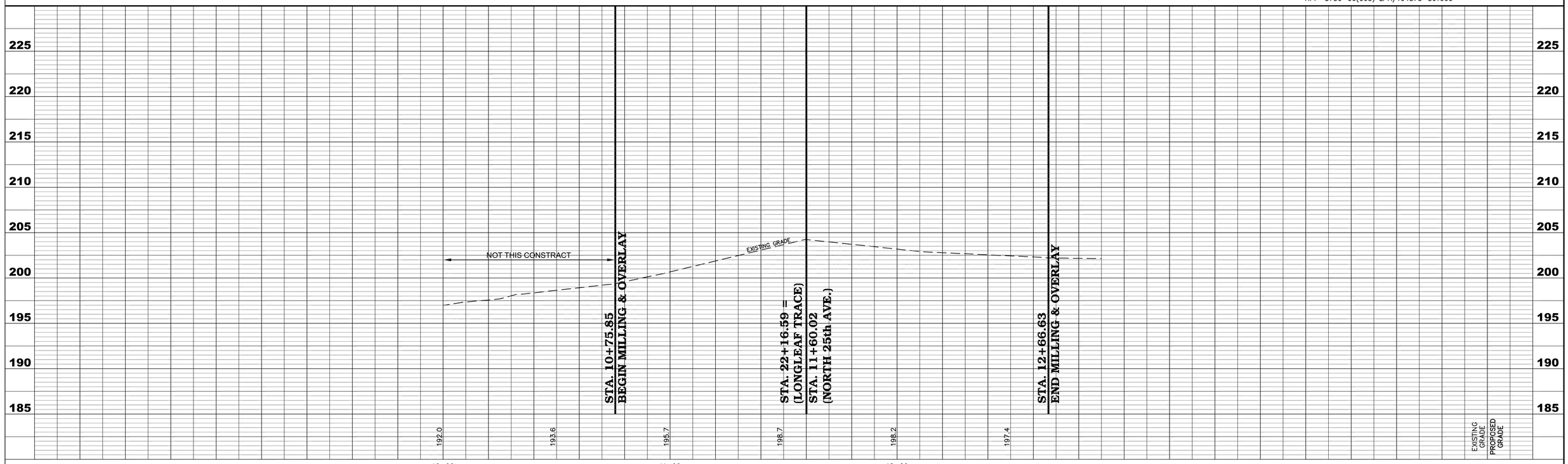
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WORKING No. WK_03
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CONTROL MONUMENT 2
REBAR IN PAVEMENT
N 666645.353
E 829850.062
22.18 FT LT STA. 10+22.92



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NORTH 25TH AVENUE
STA. 10+00 THRU STA. 13+25

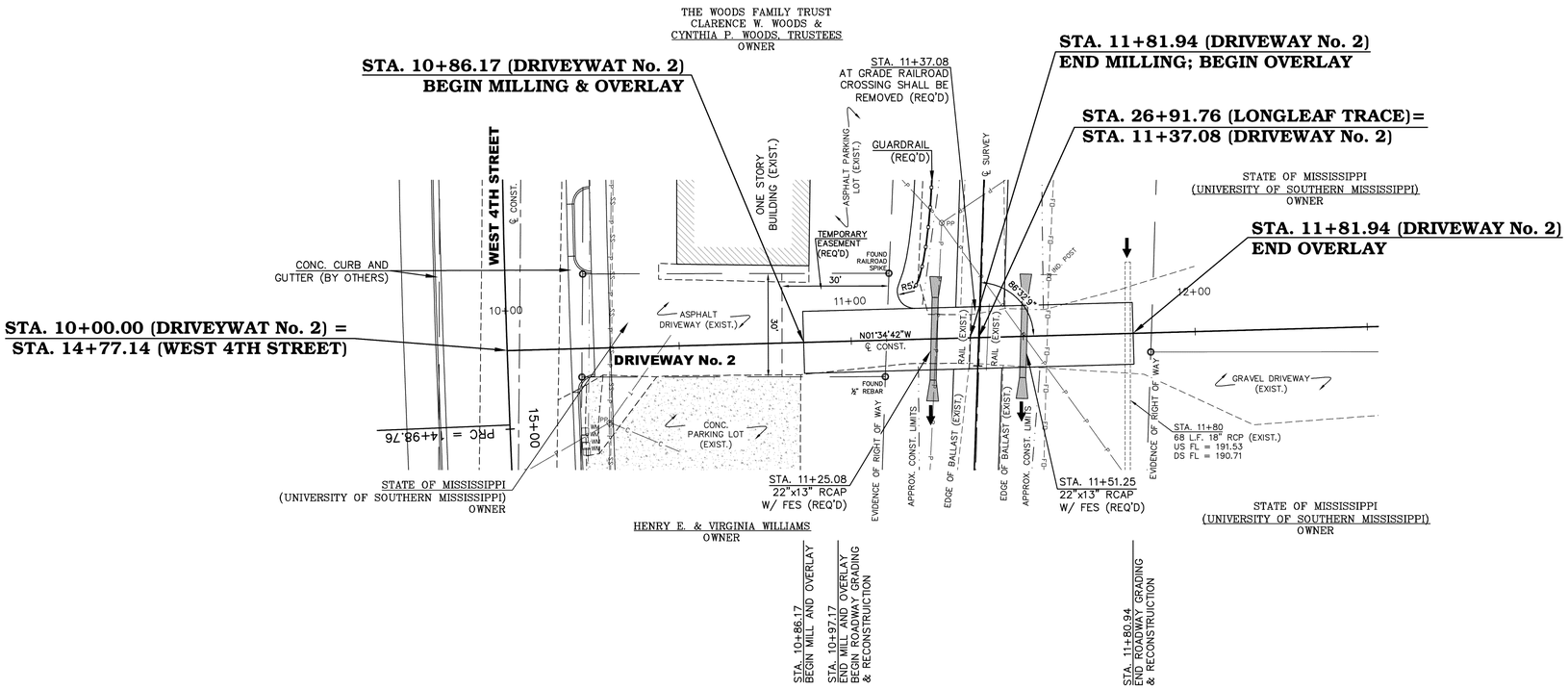
LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

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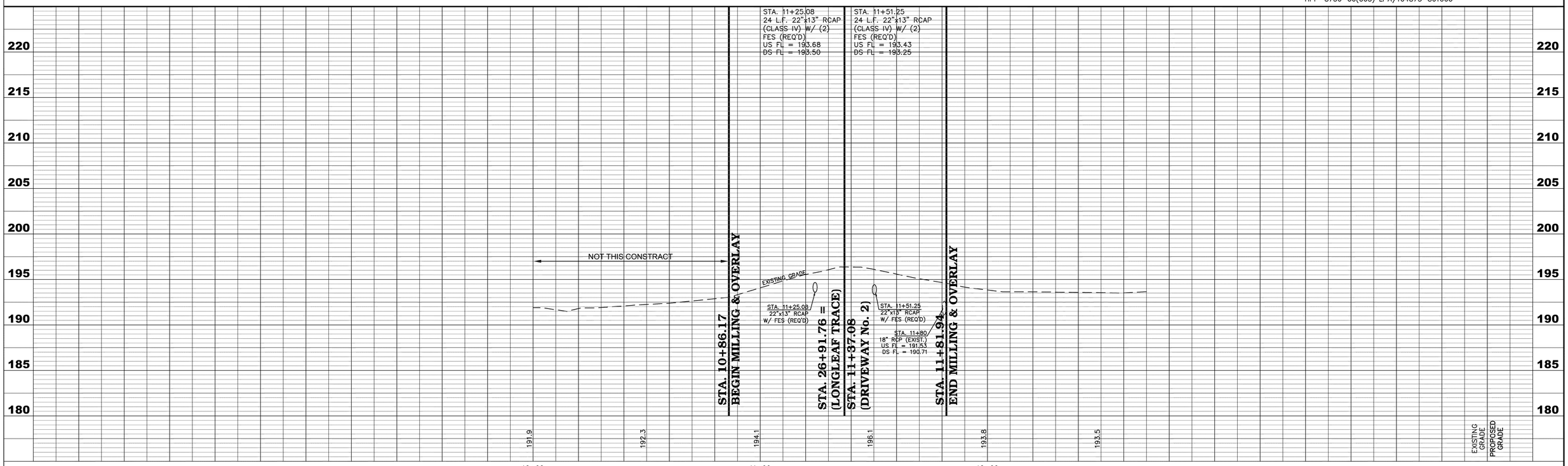
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WORKING No. WK_03A
SHEET NO. 16

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DRIVEWAY No. 2
STA. 10+00 THRU STA. 12+50

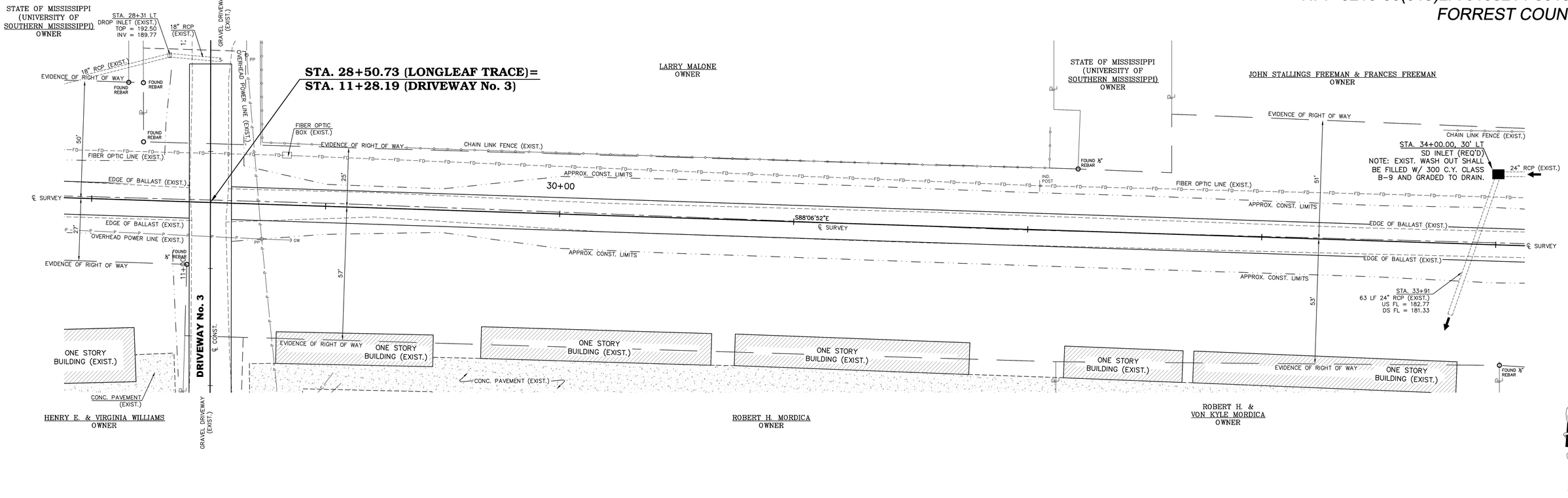
LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

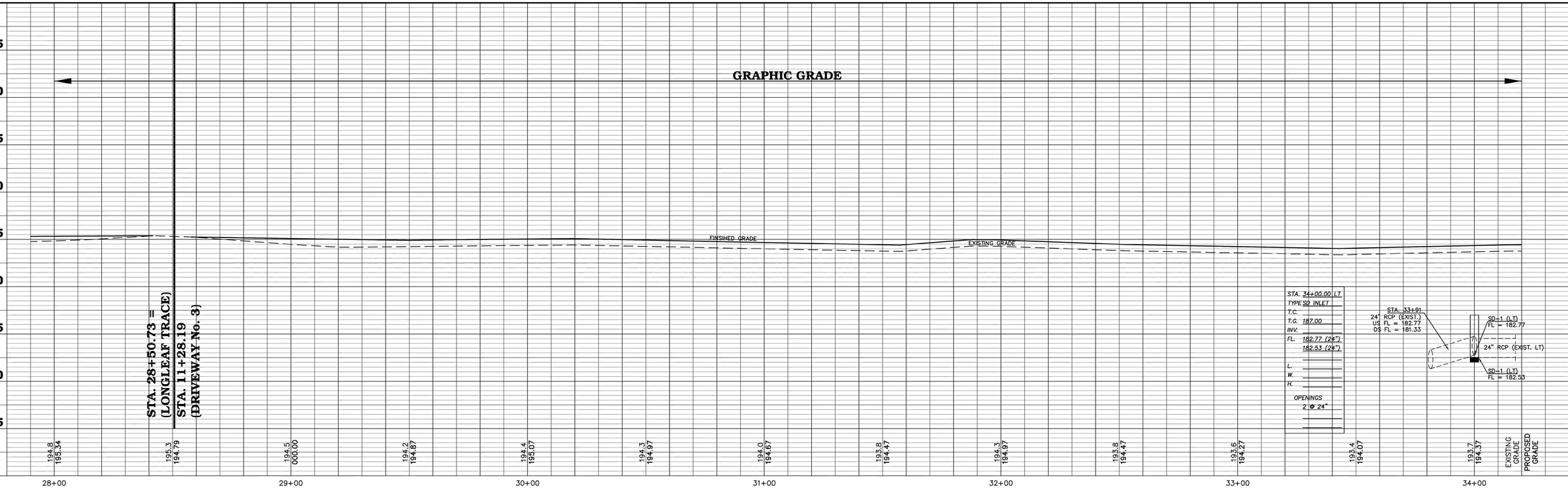
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HATTIESBURG, MISSISSIPPI, 39401
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WORKING No. WK_03B
SHEET NO. 17

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LONGLEAF TRACE
STA. 28+00 THRU STA. 34+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

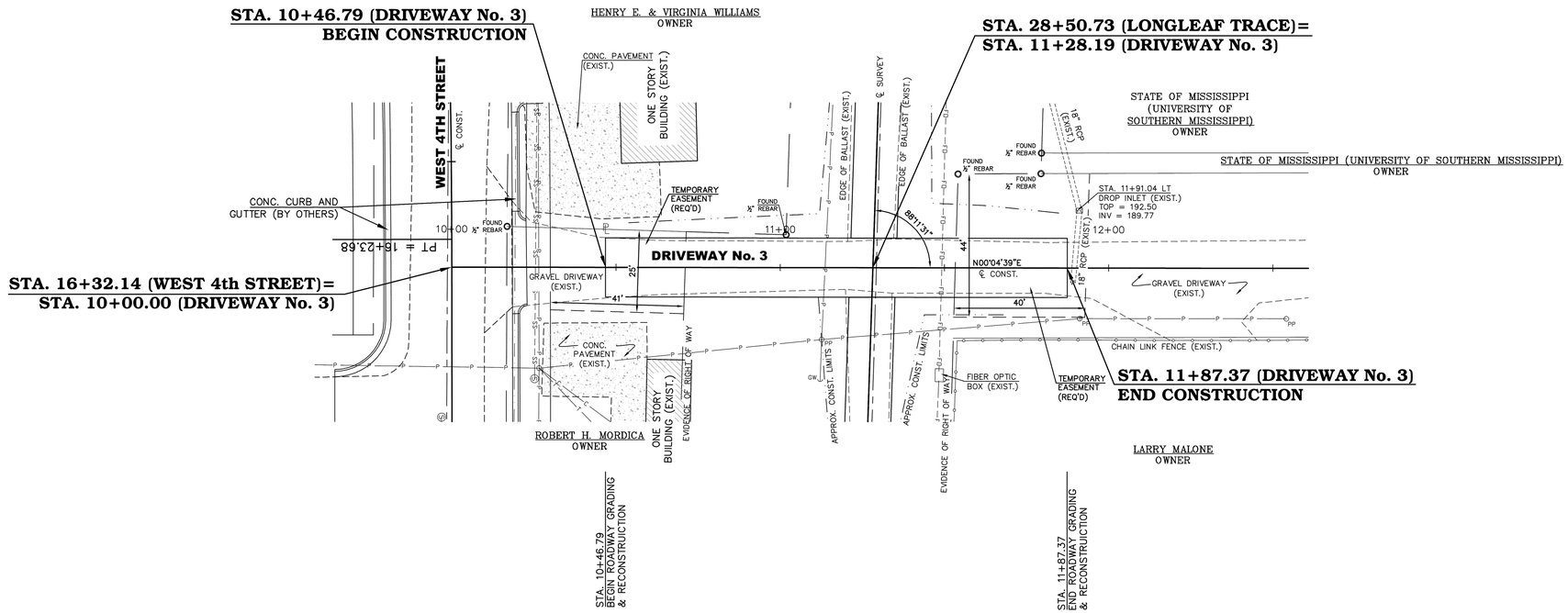
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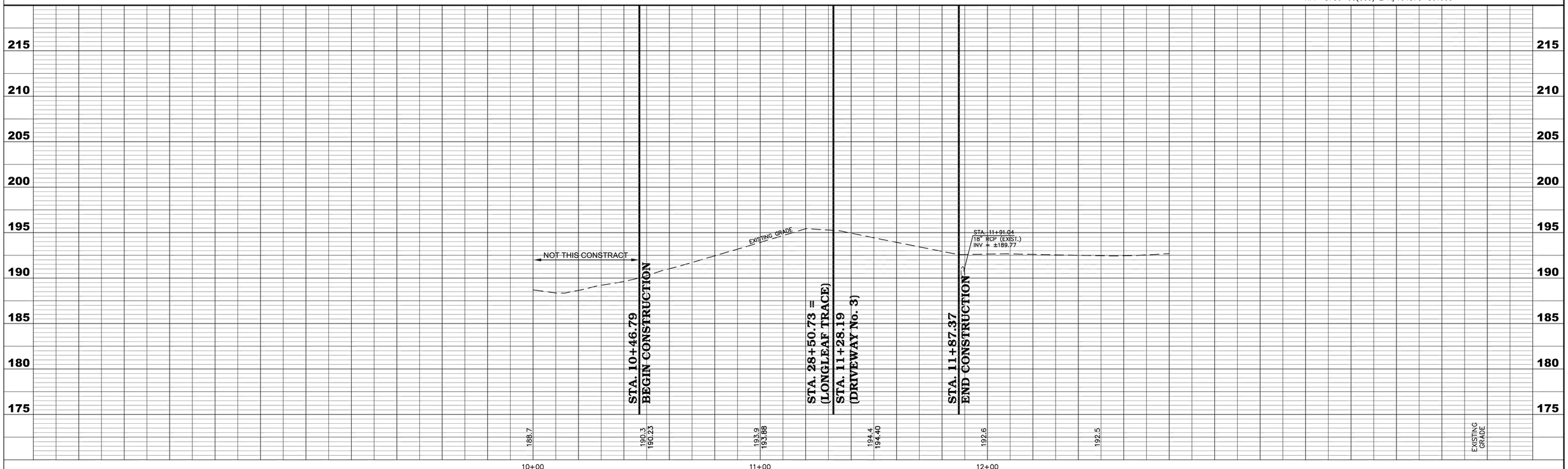
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DRAWING NO. 12932.001C
WORKING No. WK_04
SHEET NO. 18

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DRIVEWAY No. 3
STA. 10+00 THRU STA. 12+50

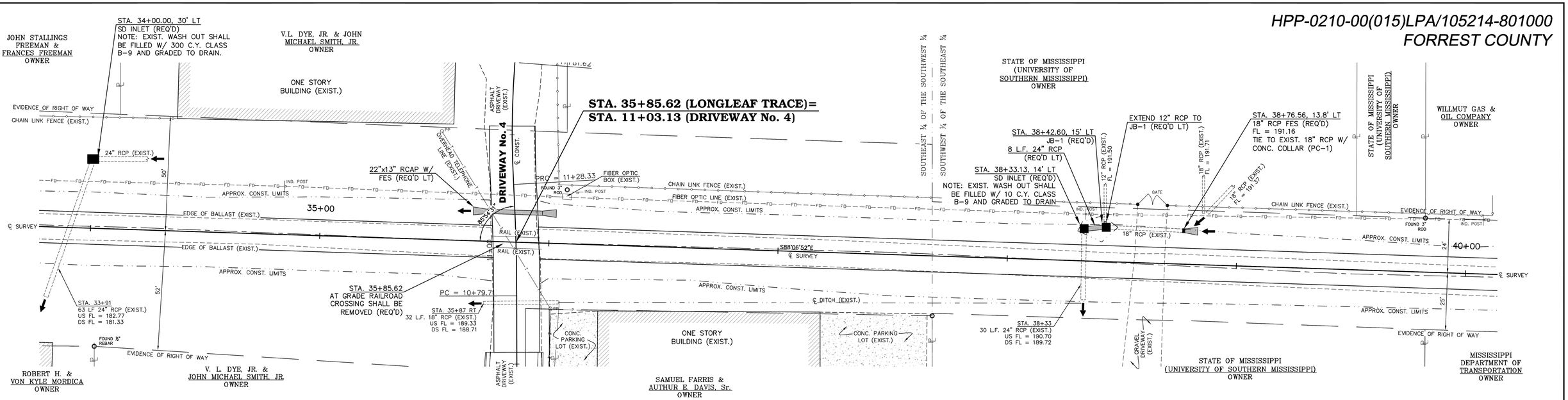
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CITY OF HATTIESBURG, MISSISSIPPI

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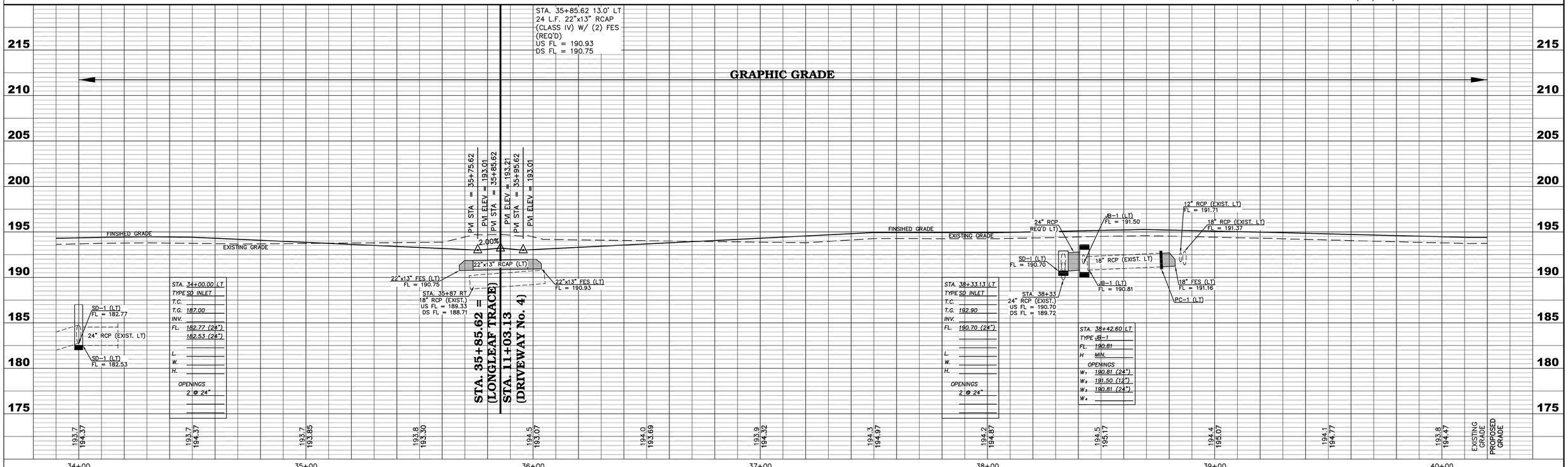
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DRAWING NO. 12932.001C
WORKING No. WK_04A
SHEET NO. 19

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LONGLEAF TRACE
STA. 34+00 THRU STA. 40+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

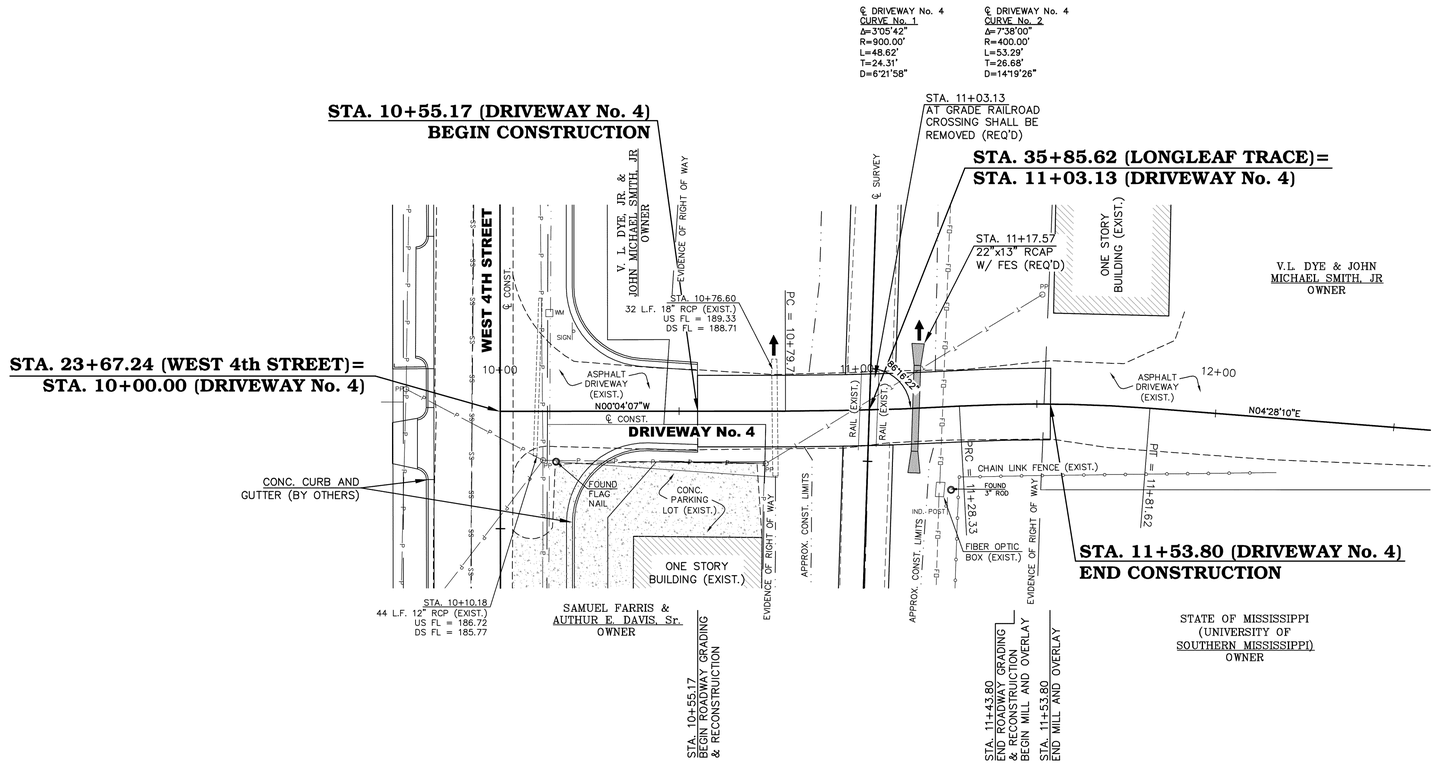
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DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

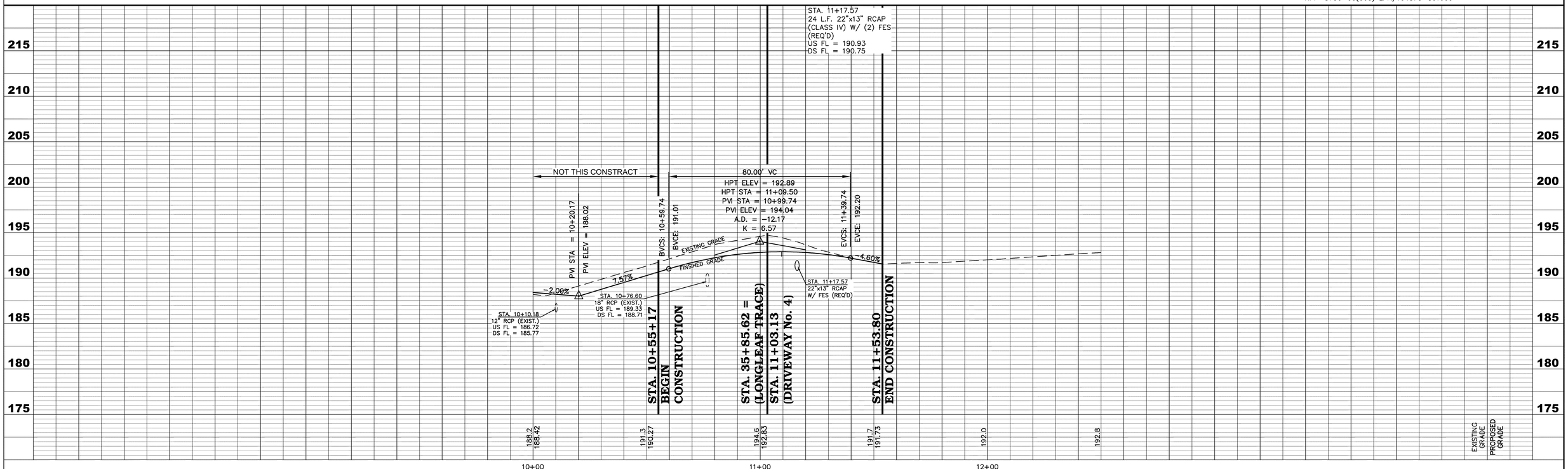
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HATTIESBURG, MISSISSIPPI, 39401
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P: (601) 544 - 1821
F: (601) 544 - 0501

DRAWING NO. 12932.001C
WORKING No. WK_05
SHEET NO. 20

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NOTE:
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DRIVEWAY No. 4
STA. 10+00 THRU STA. 12+50

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

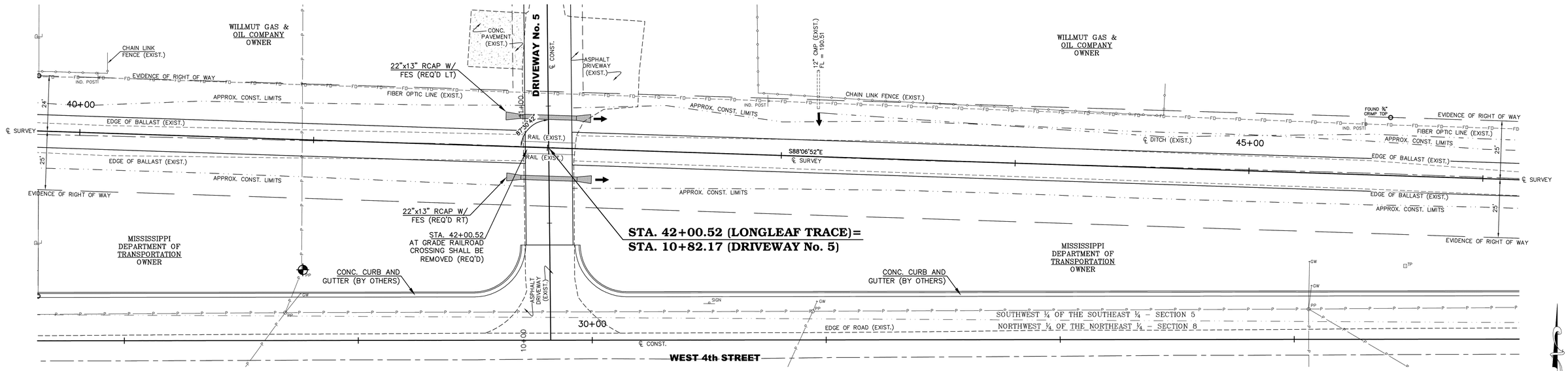
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DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
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F: (601) 544 - 0501

DRAWING NO.
12932.001C
WORKING No. WK_05A
SHEET NO. 21

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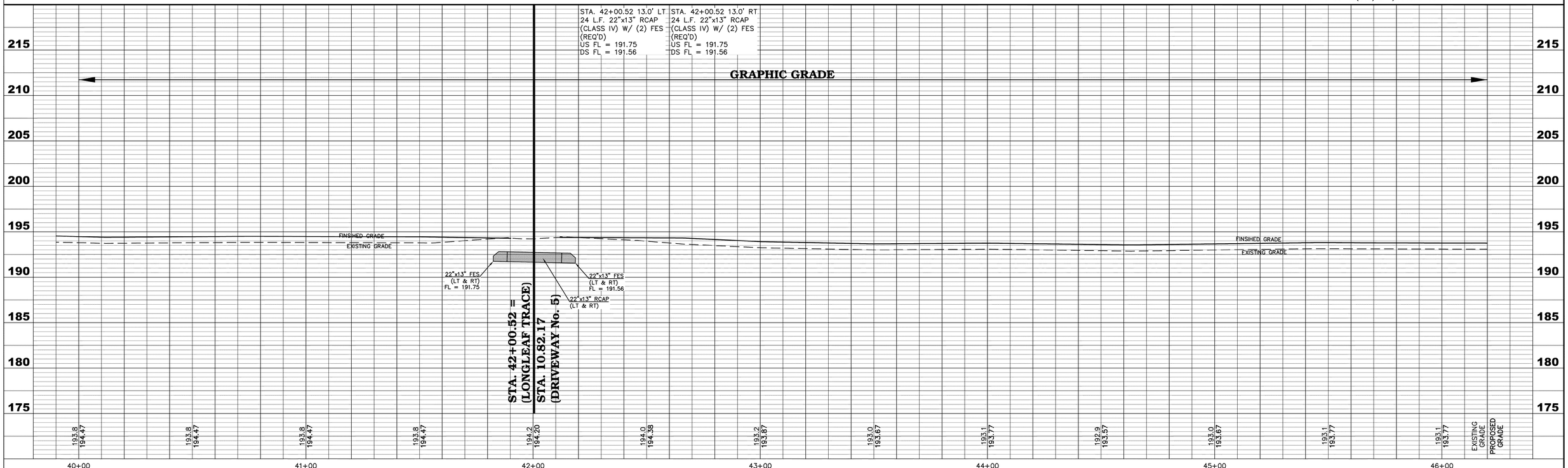
BENCH MARK ELEVATION 193.32
NAIL IN UTILITY POLE
55.56 FT LT STA. 40+97.21



NOTE:
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STA. 42+00.52 13.0' LT
24 L.F. 22"x13" RCAP
(CLASS IV) W/ (2) FES
(REQ'D)
US FL = 191.75
DS FL = 191.56

STA. 42+00.52 13.0' RT
24 L.F. 22"x13" RCAP
(CLASS IV) W/ (2) FES
(REQ'D)
US FL = 191.75
DS FL = 191.56



LONGLEAF TRACE
STA. 40+00 THRU STA. 46+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

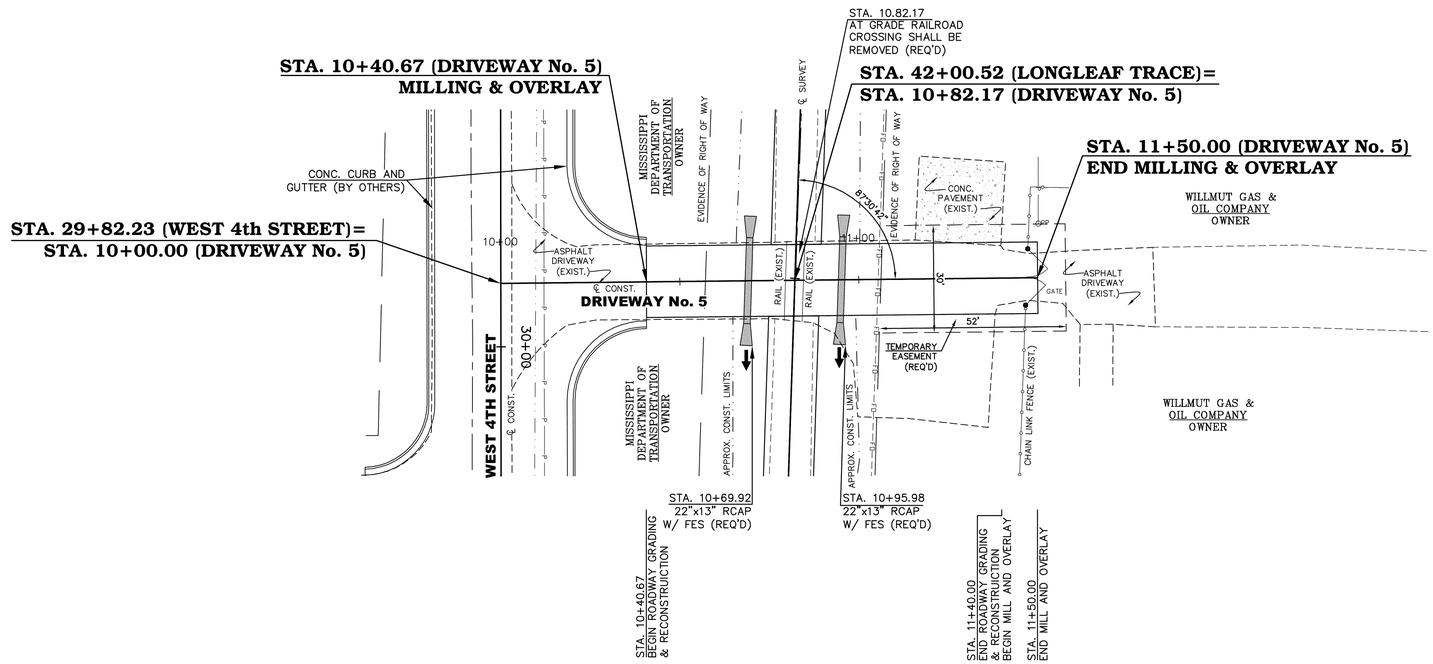
DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

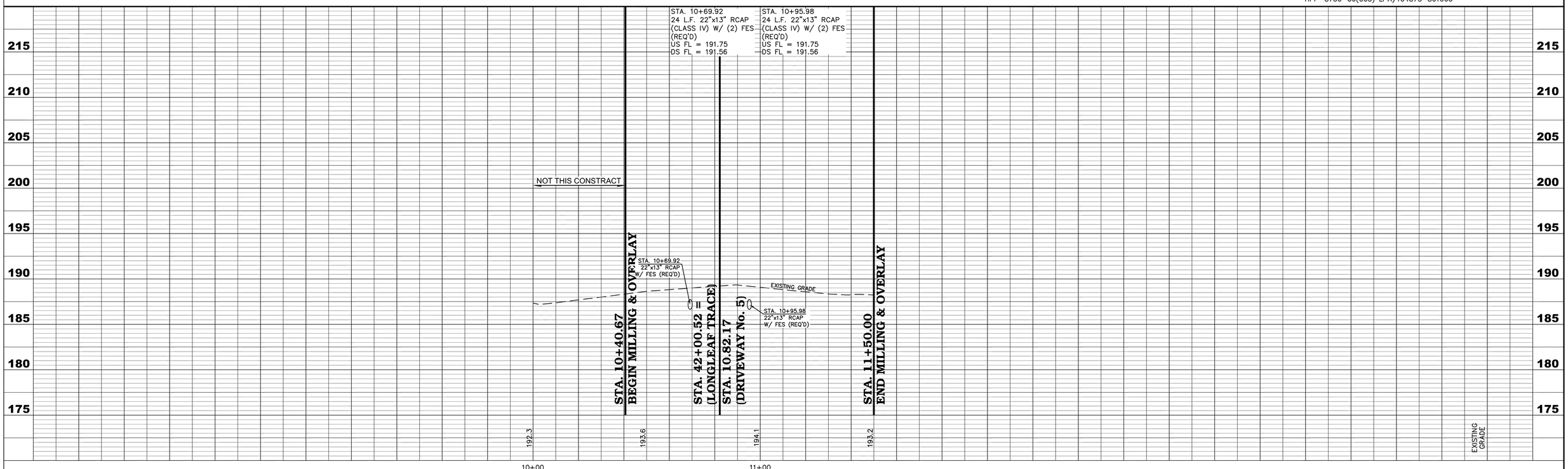
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_06
SHEET NO. 22

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DRIVEWAY No. 5
STA. 10+00 THRU STA. 11+50

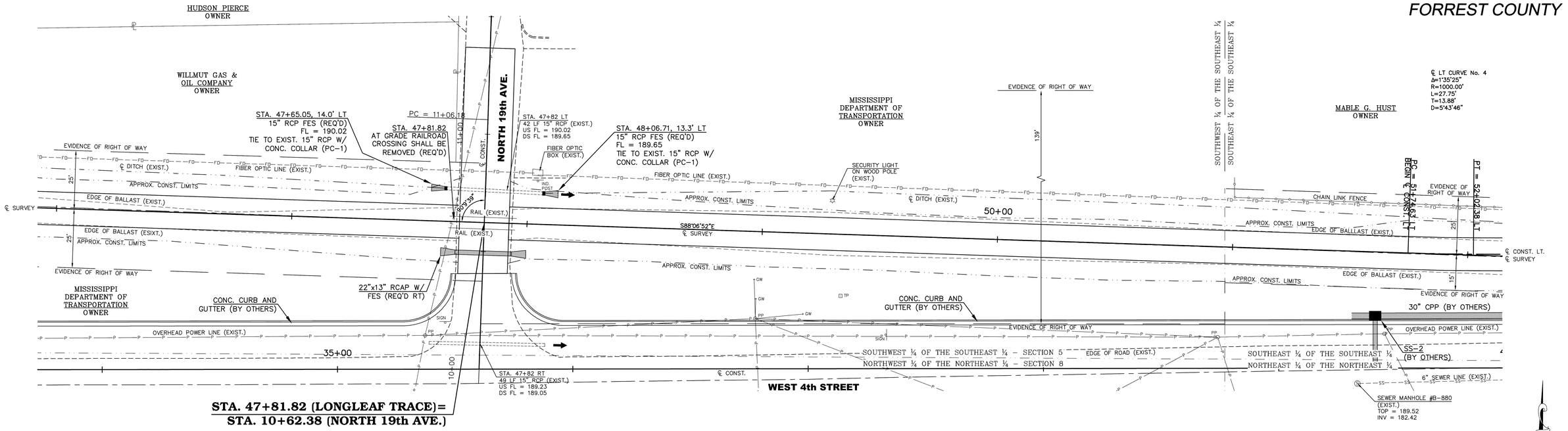
LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	
			DRAWN BY: RES
			DATE: AUGUST 27, 2012
			CHECKED BY: KDW
			SCALE: 1"=20' H, 1"=5' V

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CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
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HATTIESBURG, MISSISSIPPI, 39401
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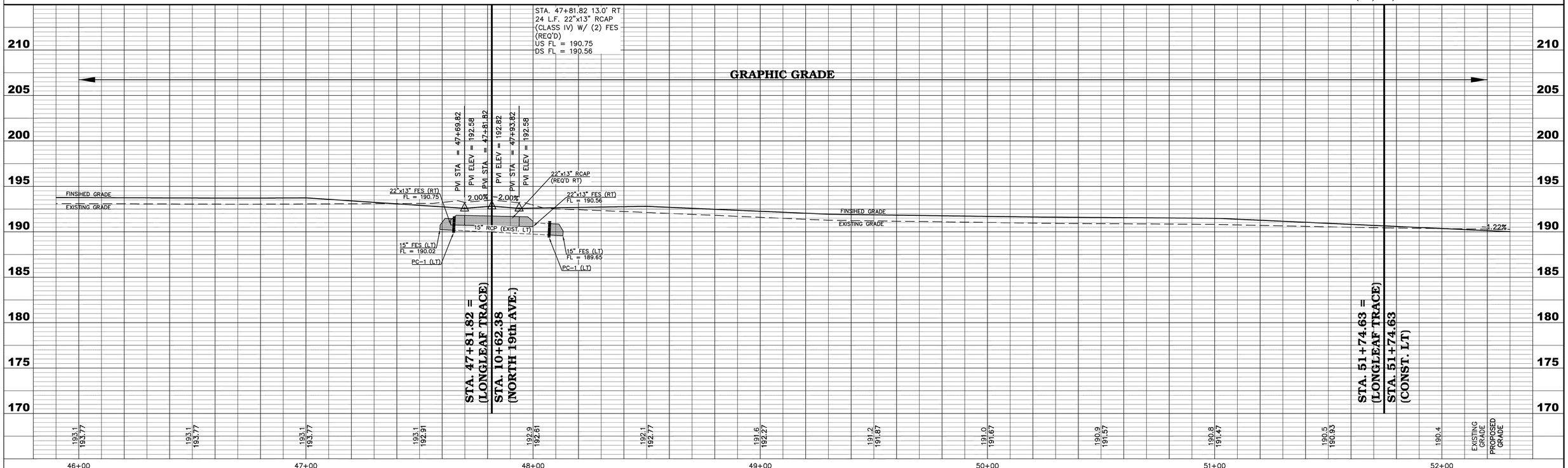
DRAWING NO. 12932.001C
WORKING No. WK_06A
SHEET NO. 23

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STA. 47+81.82 (LONGLEAF TRACE)=
STA. 10+62.38 (NORTH 19th AVE.)

NOTE:
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LONGLEAF TRACE **LONGLEAF TRACE, ℄ CONST. LT.**
STA. 46+00 THRU STA. 51+74.63 STA. 51+47.63 LT THRU STA. 52+00 LT

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

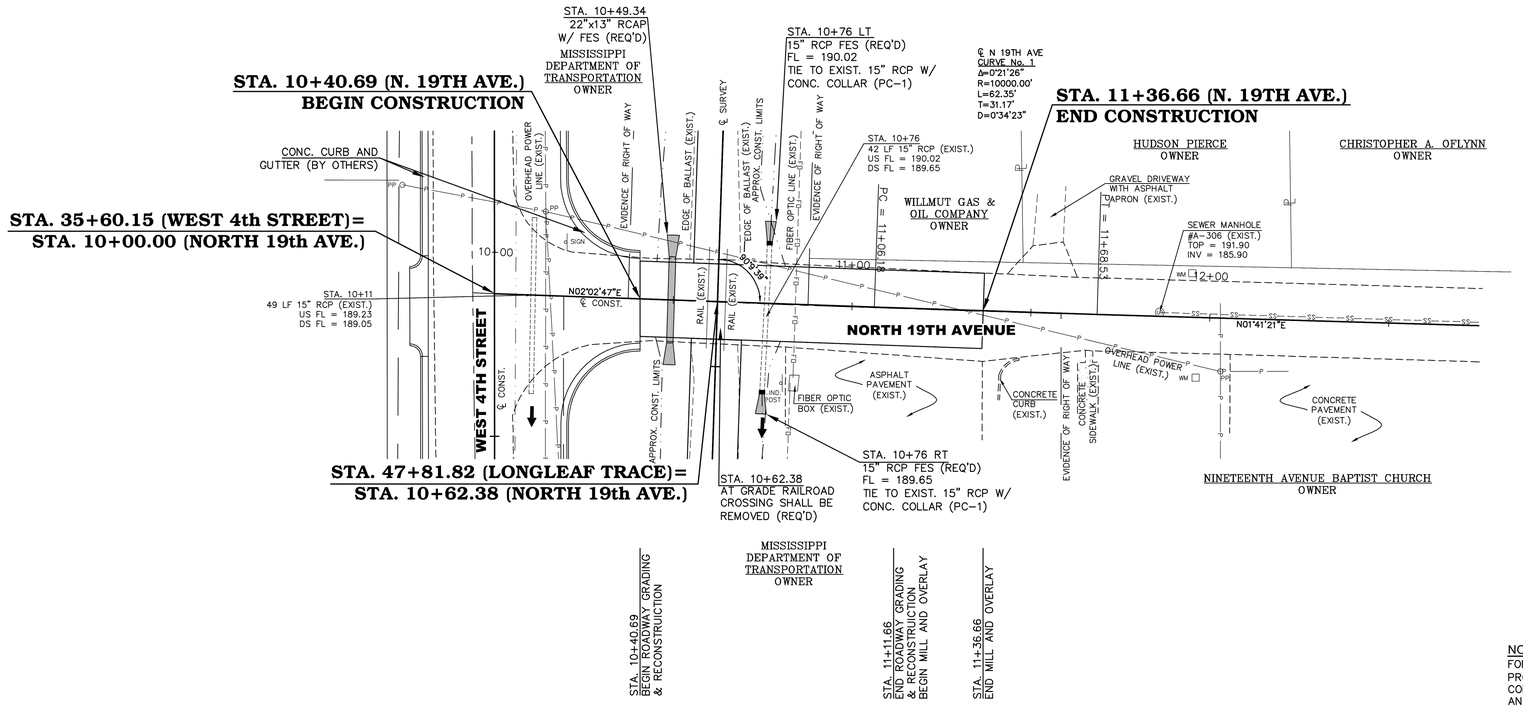
DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

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HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_07
SHEET NO. 24

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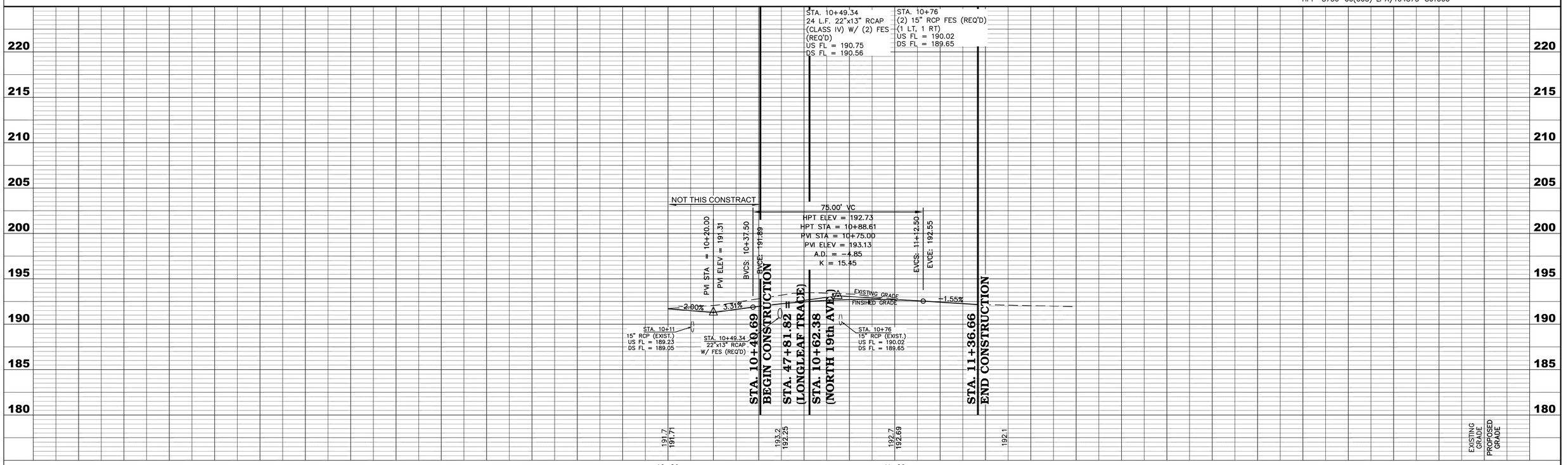
STA. 10+40.69
BEGIN ROADWAY GRADING
& RECONSTRUCTION

MISSISSIPPI
DEPARTMENT OF
TRANSPORTATION
OWNER

STA. 11+11.66
END ROADWAY GRADING
& RECONSTRUCTION
BEGIN MILL AND OVERLAY

STA. 11+36.66
END MILL AND OVERLAY

NOTE:
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NORTH 19TH AVENUE
STA. 10+00 THRU STA. 11+50

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
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F: (601) 544 - 0501

DRAWING NO. 12932.001C
WORKING No. WK_07A
SHEET NO. 25

G:\PROJECTS\Rails to Trails\12932.001\Cdwg\12932001c1_pp_sht.dwg, WK_07A, 10/7/2013 1:53:16 PM

HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

CONTROL MONUMENT 3
NAIL IN GROUND
N 666673.689
E 832961.159
0.82 FT RT STA. 53+07.68

BENCH MARK ELEVATION 190.10
TOP OF NUT ON FIRE HYDRANT
97.49 FT RT STA. 54+15.83

MABLE G. HUST
OWNER

JOHN GILBERT HUST &
PATRICIA A. HUST
OWNER

BTR INVESTMENT, LLC
OWNER

TODD NACE
OWNER
ONE STORY BRICK
AND FRAME
RESIDENCE (EXIST.)

ROGER C. PALMER
OWNER
ONE STORY BRICK
AND FRAME
RESIDENCE (EXIST.)

BEULAH M. WARE
OWNER

JAMES BAINTER
OWNER

CHARLES W. &
SARAH A. CARLEY
OWNER

HERITAGE INVESTMENTS, LLC
OWNER

CHINABERRY PROPERTIES, LLC
OWNER

COOLHART PROPERTIES, LLC
OWNER

℄ LT CURVE No. 4
Δ=1°35'25"
R=1000.00'
L=27.75'
T=13.88'
D=5°43'46"

℄ LT CURVE No. 5
Δ=1°12'02"
R=2000.00'
L=41.91'
T=20.95'
D=2°51'53"

℄ LT CURVE No. 6
Δ=0°10'09"
R=10000.00'
L=29.54'
T=14.77'
D=0°34'23"

℄ LT CURVE No. 7
Δ=1°30'01"
R=2000.00'
L=52.37'
T=26.19'
D=2°51'53"

℄ SURVEY
CURVE No. 2
Δ=3°41'50"
R=7639.49'
L=492.95'
T=246.56'
D=0°45'00"

STA. 52+84LT
40 L.F. 18" RCP (REQ'D)
2-18" FES (REQ'D.)

STA. 52+84 LT
31 LF 12" RCP (EXIST.)
US FL = 187.47
DS FL = 187.45

STA. 52+84.51
AT GRADE RAILROAD
CROSSING SHALL BE
REMOVED (REQ'D)

STA. 52+84 RT
31 LF 12" RCP (EXIST.)
US FL = 187.76
DS FL = 187.33

STA. 55+75 LT
50 LF 24" RCP
(EXIST.) SHALL BE
REMOVED (REQ'D)

STA. 55+75 RT
82 LF 12" RCP (EXIST.)
US FL = 186.23
DS FL = 186.05

11 L.F. BRICK FENCE (EXIST.)
TO BE REMOVED (REQ'D)

74 L.F. WOOD FENCE (EXIST.)
SHALL BE REMOVED (REQ'D)

165 L.F. WOOD FENCE (EXIST.)
SHALL BE REMOVED (REQ'D)

INLET #1
24" DIA. PVC
INLET (REQ'D LT)

INLET #2
24" DIA. PVC
INLET (REQ'D LT)

INLET #3
24" DIA. PVC
INLET (REQ'D LT)

INLET #4
24" DIA. PVC
INLET (REQ'D LT)

INLET #5
24" DIA. PVC
INLET (REQ'D LT)

INLET #6
24" DIA. PVC
INLET (REQ'D LT)

INLET #7
24" DIA. PVC
INLET (REQ'D LT)

INLET #8
24" DIA. PVC
INLET (REQ'D LT)

INLET #9
24" DIA. PVC
INLET (REQ'D LT)

SEWER MANHOLE
#B-877 (EXIST.)
TOP = 187.81
INV IN = 182.81(W)
INV OUT = 178.21(E)

SEWER MANHOLE
#B-878 (EXIST.)
TOP = 189.45
INV IN = 179.85
INV OUT = 179.75

SEWER MANHOLE
#B-879 (EXIST.)
TOP = 188.95
INV = 180.55

MELBA AVENUE
PRESLEY DRIVE (PRIVATE ROAD)
WEST 4th STREET
PARK AVENUE
NORTH 18th AVENUE

PT = 52+02.38 LT
PC = 10+75.82
PT = 53+54.43 LT
PC = 53+12.52 LT
PC = 55+10.92 LT
PT = 55+40.46
PC = 55+63.69
PT = 56+87.87
PC = 56+03.93
PC = 44+91.42

STA. 52+83.51 (LONGLEAF TRACE)=
STA. 10+45.23 (MELBA AVE.)

STA. 55+75.68 (LONGLEAF TRACE)=
STA. 10+35.28 (PRESLEY DRIVE)

NOTE:
FOR ITEMS MARKED "BY OTHERS" OR "NOT THIS PROJECT" COORDINATE WITH THE PLANS AND CONTRACTOR FOR CONSTRUCTION PROJECT TO WIDEN AND RECONSTRUCT WEST 4TH STREET. PROJECT No. HPP-8750-00(003) LPA/104873-801000

QUANTITIES		
QUANTITY	UNIT	ITEM
2	EACH	ROW MARKERS

STA. 53+00.16 RT TO STA. 55+54.13 RT
256.0 L.F. FENCE (REQ'D)
(SEE DETAILS)

STA. 55+98.80, RT TO STA. 66+18.00, RT
1,020.0 L.F. FENCE (REQ'D)
(SEE DETAILS)

STA. 52+83.48 = STA. 10+47.87 (MELBA AVE.) (CONST. LT)

STA. 55+63.69 = STA. 10+41.10 (PRESLEY DRIVE) (CONST. LT)

EXISTING GRADE 1.22%
FINISHED GRADE
DITCH GRADE LT (REQ'D)
12" RCP (LT) FL = 187.53
18" FES (LT) FL = 187.43
STA. 52+84 LT 12" RCP (EXIST.) REMOVE
STA. 52+84 RT 12" RCP (EXIST.) US FL = 187.76 DS FL = 187.33
PVI STA = 52+71.48 PVI ELEV = 189.54
PVI STA = 52+83.48 PVI ELEV = 189.78
PVI STA = 52+95.48 PVI ELEV = 189.54
2.00% 2.00% 0.50%
BVCS: 53+48.59 BVCE: 189.81
100.00' VC
HIGH POINT ELEV = 189.93
HIGH POINT STA = 53+98.59
PVI STA = 53+98.59
PVI ELEV = 190.06
EVCS: 54+48.59 EVCE: 189.81
50 L.F. @ 0.50% 15" CPP (REQ'D LT)
50 L.F. @ 0.50% 15" CPP (REQ'D LT)
50 L.F. @ 0.75% 15" CPP (REQ'D LT)
5 L.F. 18" CPP (LT)
PVI STA = 55+63.69 PVI ELEV = 189.23
PVI STA = 55+75.69 PVI ELEV = 189.47
PVI STA = 55+87.69 PVI ELEV = 189.23
2.00% 2.00%
10 L.F. 18" CPP
40 L.F. 18" RCP
@ 0.50% (REQ'D LT)
PC-1 (LT)
5 L.F. 18" CPP (LT)
50 L.F. @ 0.50% 18" CPP (REQ'D LT)
-1.00%
BVCS: 57+15.36 BVCE: 187.95
150.00' VC
PVI STA = 57+90.36
PVI ELEV = 187.20
50 L.F. @ 0.50% 18" CPP (REQ'D LT)
50 L.F. @ 0.75% 18" CPP (REQ'D LT)
50 L.F. @ 0.50% 18" CPP (REQ'D LT)
INLET #1 (REQ'D LT) STA 54+00.67, 12.5 LT TOP = 187.17 FL = 185.17
INLET #2 (REQ'D LT) STA 54+50.66, 11.5 LT TOP = 188.33 FL = 184.92
INLET #3 (REQ'D LT) STA 55+00.66, 10.7 LT TOP = 188.45 FL = 184.67
INLET #4 (REQ'D LT) STA 55+50.89, 10.6 LT TOP = 187.89 FL OUT = 184.04 FL IN = 184.29
INLET #5 (REQ'D LT) STA 56+00.38, 10.3 LT TOP = 187.88 FL = 183.80
INLET #6 (REQ'D LT) STA 56+50.43, 10.4 LT TOP = 187.88 FL = 183.55
INLET #7 (REQ'D LT) STA 57+00.42, 10.4 LT TOP = 187.38 FL = 183.30
INLET #8 (REQ'D LT) STA 57+50.42, 10.5 LT TOP = 186.80 FL = 183.05
INLET #9 (REQ'D LT) STA 58+00.42, 10.5 LT TOP = 186.66 FL = 182.67
190.4 189.79
190.8 189.79
190.9 188.56
190.1 189.81
190.0 189.93
189.7 189.80
189.2 188.55
189.2 189.30
188.5 189.11
187.7 188.61
187.6 188.11
187.1 187.54
186.6 186.69
EXISTING GRADE
PROPOSED GRADE
52+00 53+00 54+00 55+00 56+00 57+00 58+00
210 205 200 195 190 185 180 175 170

LONGLEAF TRACE, ℄ CONST. LT.
STA. 52+00 LT THRU STA. 58+00 LT

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

SHOWS, DEARMAN & WAITS, INC.
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HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

DRAWING NO. 12932.001C
WORKING No. WK_08
SHEET NO. 26

G:\PROJECTS\Rails to Trails\12932.001 - Longleaf Trace - Phase III\12932.001C\dwg\12932001e1_ppt_3ths.dwg, WK_08, 10/7/2013 1:53:21 PM

CONTROL MONUMENT 3
NAIL IN GROUND
N 666673.689
E 832961.159
24.14 FT RT STA. 10+43.74

℄ MELBA AVE
CURVE No. 1
Δ=1°41'17"
R=5000.00'
L=108.05'
T=54.03'
D=1°08'45"

STA. 52+83.51 (LONGLEAF TRACE)=
STA. 10+45.23 (MELBA AVE.)

STA. 10+45.23
AT GRADE RAILROAD CROSSING SHALL BE REMOVED (REQ'D)

STA. 11+29.92 (MELBA AVE.)
END CONSTRUCTION

STA. 10+29
31 LF 12" RCP (EXIST.)
US FL = 187.76
DS FL = 187.33

SEWER LINE (EXIST.)
EDGE OF BALLAST (EXIST.)
SURVEY ℄ CONST. LT
EDGE OF BALLAST (EXIST.)
FIBER OPTIC BOX (EXIST.)

MABLE G. HUST
OWNER

PERRY E. DOLEAC & NETTLES DANIEL
OWNER

GRAVEL DRIVEWAY (EXIST.)
GRAVEL DRIVEWAY WITH ASPHALT APRON (EXIST.)

STA. 12+03 LT
10" RCP (EXIST.)
FL = 187.90

STA. 10+61
31 LF 12" RCP (EXIST.)
REMOVE

STA. 11+48 LT
20 LF 12" CPP (EXIST.)
US FL = 187.98
DS FL = 187.91

10+00
11+00
12+00

CONC. CURB AND GUTTER (BY OTHERS)

MELBA AVENUE

N00°17'43"E
℄ CONST.
N01°32'01"E

STA. 40+63.56 (WEST 4th STREET)=
STA. 10+00.00 (MELBA AVE.)

WEST 4TH STREET

RAIL (EXIST.)
RAIL (EXIST.)

PC = 10+76.42
PC = 12+52.52 LT

CHAIN LINK FENCE (EXIST.)
IND. POST

ASPHALT DRIVEWAY (EXIST.)

PT = 11+83.27

OVERHEAD POWER LINES (EXIST.)
PP

STA. 11+51 RT
22 LF 12" RCP (EXIST.)
US FL = 187.62
DS FL = 187.58

STA. 12+10 RT
15 LF 12" RCP (EXIST.)
US FL = 187.73
DS FL = 187.69

GRAVEL DRIVEWAY WITH ASPHALT APRON (EXIST.)

OVERHEAD POWER LINE (EXIST.)
EVIDENCE OF RIGHT OF WAY
EVIDENCE OF RIGHT OF WAY

STA. 10+40.87 (MELBA AVE.)
BEGIN CONSTRUCTION

FENCE (REQ'D)

JOHN GILBERT HUST & PATRICIA A. HUST
OWNER

GRAND BANK FOR SAVINGS
OWNER

STA. 10+40.87
BEGIN ROADWAY GRADING & RECONSTRUCTION

STA. 11+04.92
END ROADWAY GRADING & RECONSTRUCTION
BEGIN MILL AND OVERLAY

STA. 11+29.92
END MILL AND OVERLAY

NOTE:
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STA. 10+61
40 L.F. 18" RCP (REQ'D)
2-18" FES (REQ'D.)

NOT THIS CONSTRACT

75.00' VC
HPT ELEV = 190.05
HPT STA = 10+84.34
PVI STA = 10+65.00
PVI ELEV = 190.25
A.D. = -2.98
K = 25.20

PVI STA = 10+20.00
PVI ELEV = 189.24
BVCS: 10+27.50
BVCE: 189.41

EVCS: 11+02.50
EVCE: 189.98

EXISTING GRADE
FINSIHED GRADE

2.26%
-2.00%
-0.72%

STA. 10+29
12" RCP (EXIST.)
US FL = 187.76
DS FL = 187.33

STA. 10+40.87 BEGIN CONSTRUCTION

STA. 52+83.51 = (LONGLEAF TRACE) STA. 10+45.23 (MELBA AVE.)

STA. 11+29.92 END CONSTRUCTION

189.1
189.64
191.2
189.82
190.0
190.00
189.7

EXISTING GRADE
PROPOSED GRADE

215 210 205 200 195 190 185 180 175

10+00 11+00

MELBA AVENUE
STA. 10+00 THRU STA. 12+00

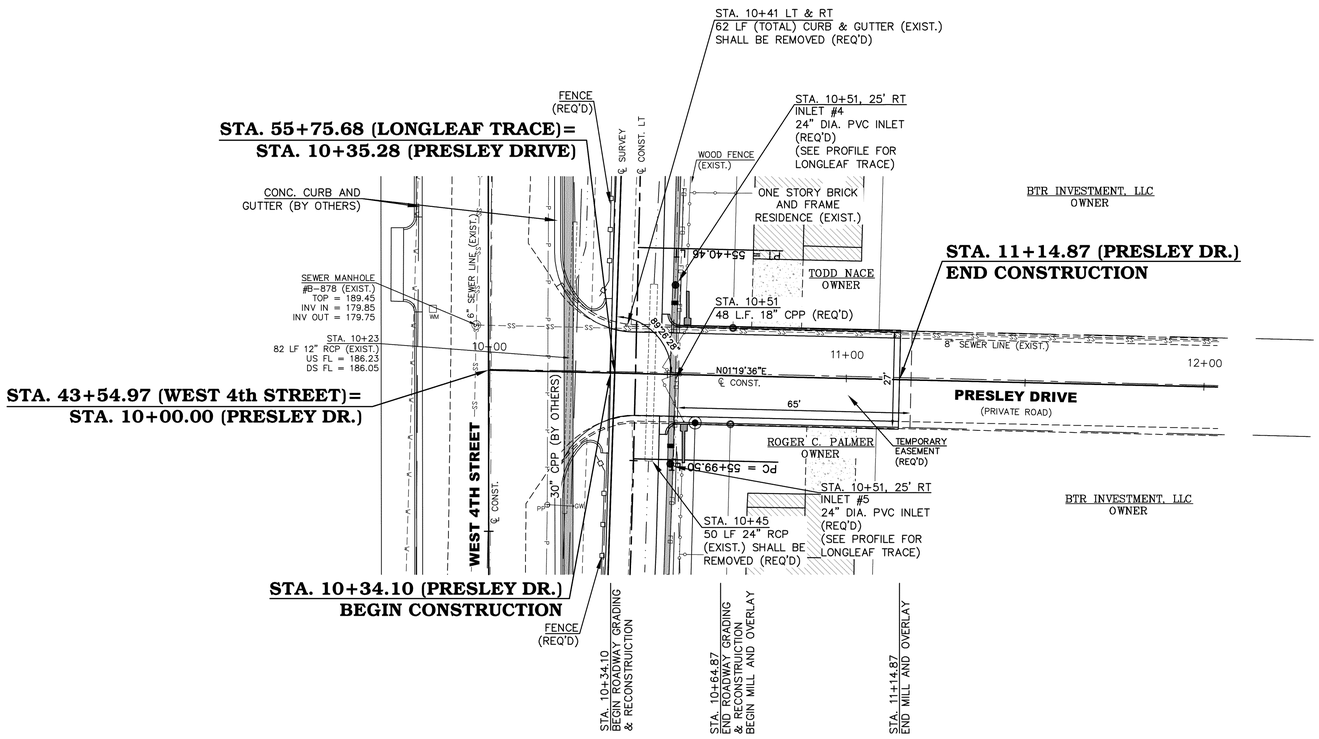
LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	
			DRAWN BY: RES
			DATE: AUGUST 27, 2012
			CHECKED BY: KDW
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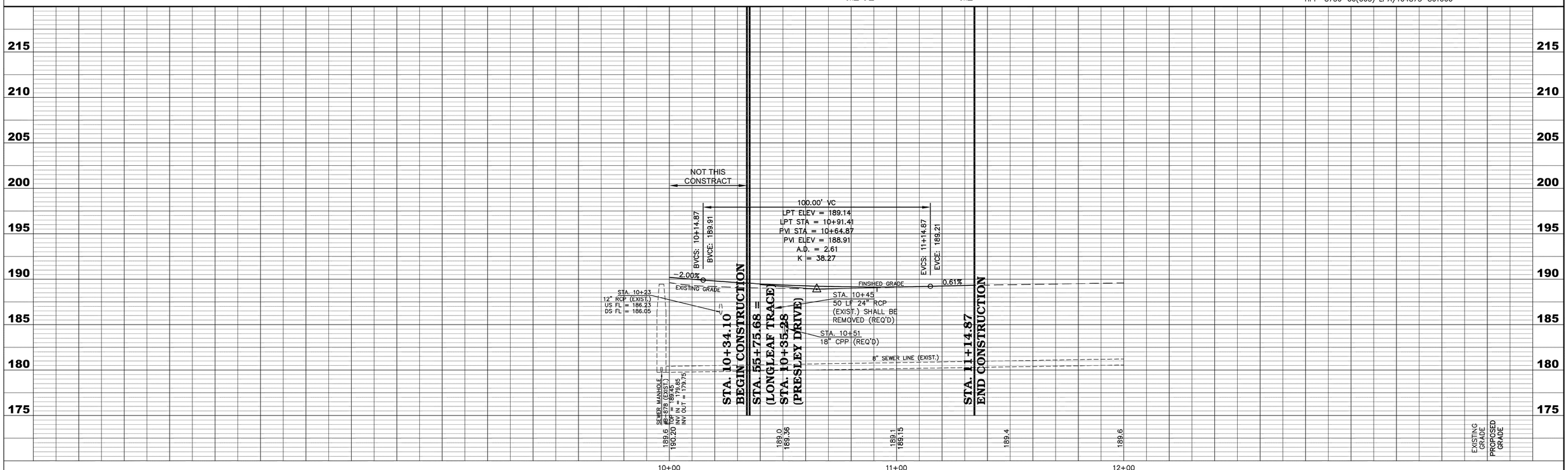
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
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DRAWING NO. 12932.001C
WORKING No. WK_08A
SHEET NO. 27

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PRESLEY DRIVE
STA. 10+00 THRU STA. 12+00

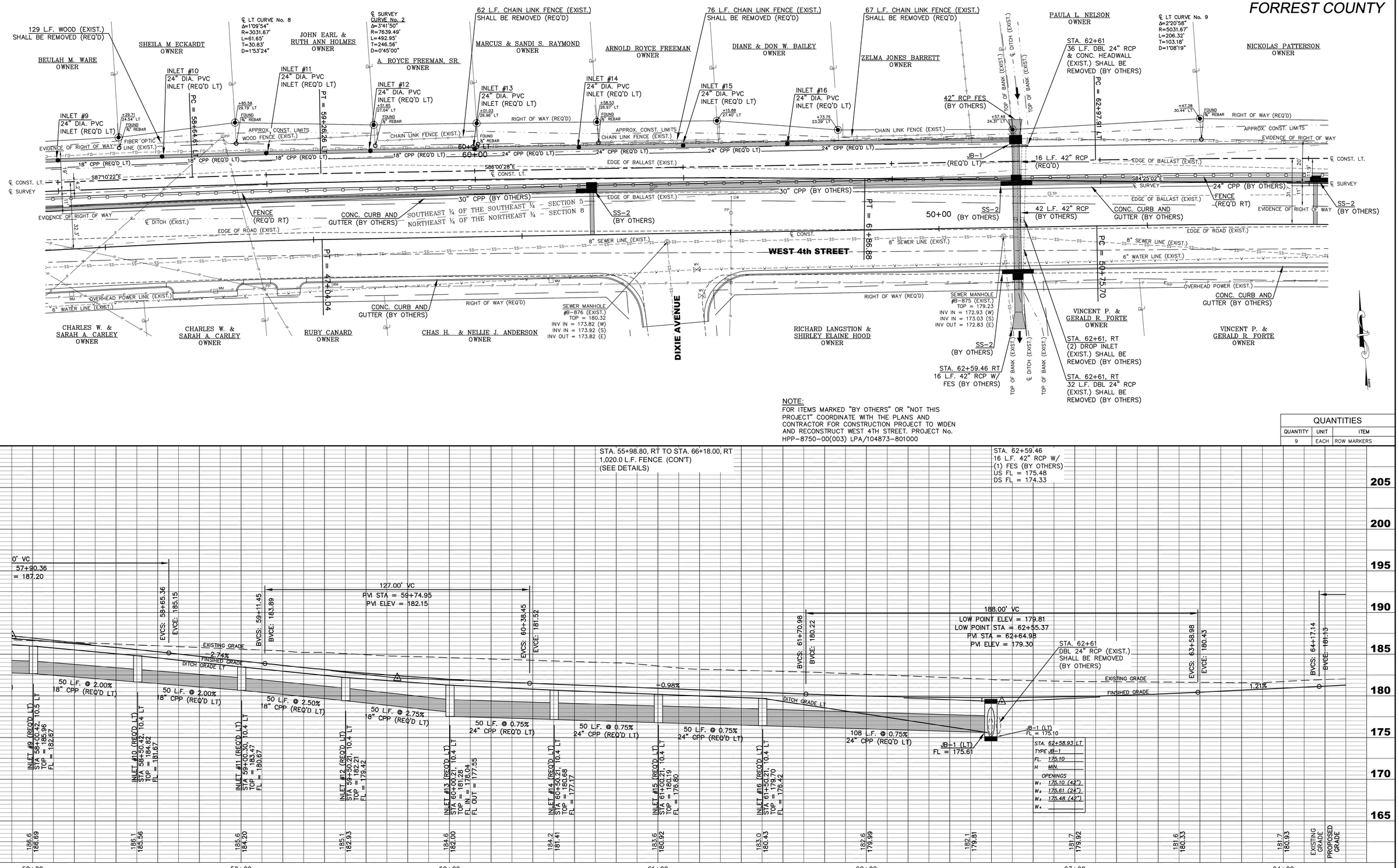
LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	
			DRAWN BY: RES
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DRAWING NO. 12932.001C
WORKING No. WK_08B
SHEET NO. 28

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QUANTITIES		
QUANTITY	UNIT	ITEM
9	EACH	ROW MARKERS

LONGLEAF TRACE, ℄ CONST. LT.
STA. 58+00 LT THRU STA. 64+00 LT

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

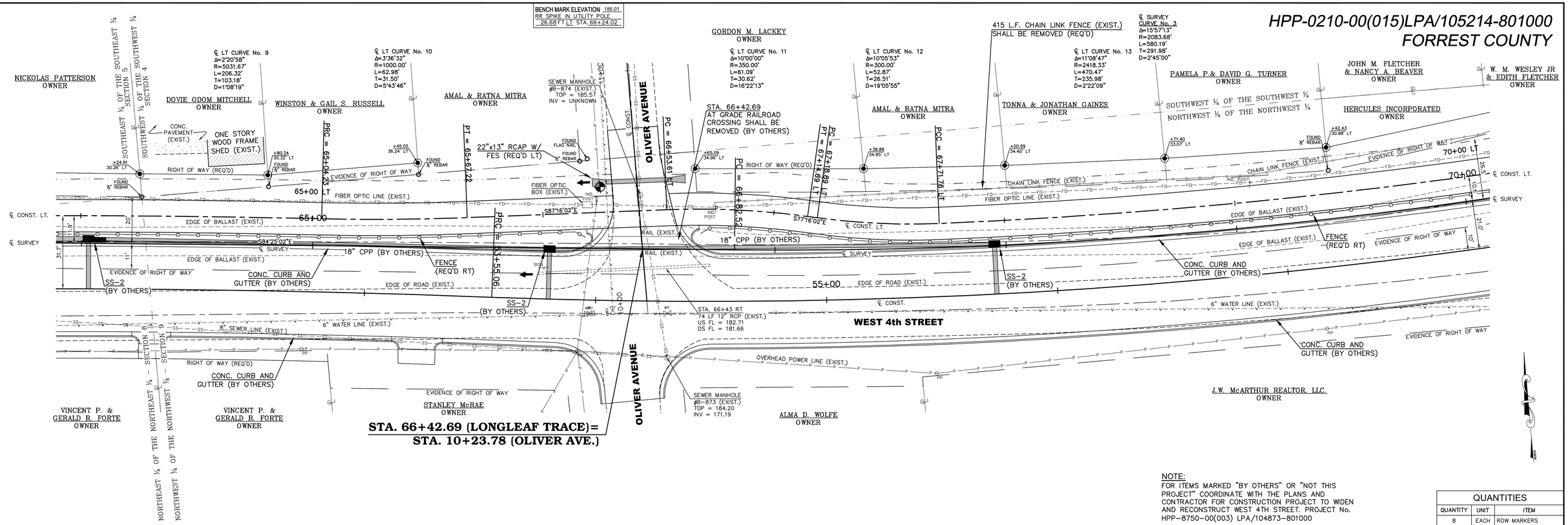
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DRAWING NO. 12932.001C
WORKING No. WK_09
SHEET NO. 29

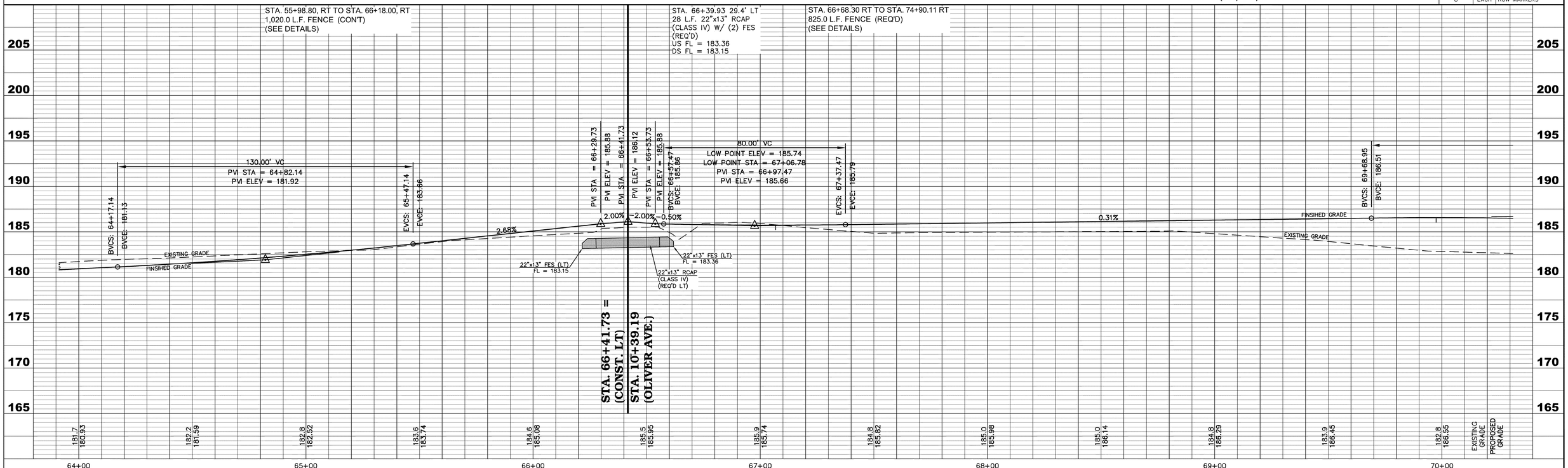
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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY



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QUANTITIES		
QUANTITY	UNIT	ITEM
8	EACH	ROW MARKERS



LONGLEAF TRACE, ℄ CONST. LT.
STA. 64+00 LT THRU STA. 70+00 LT

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

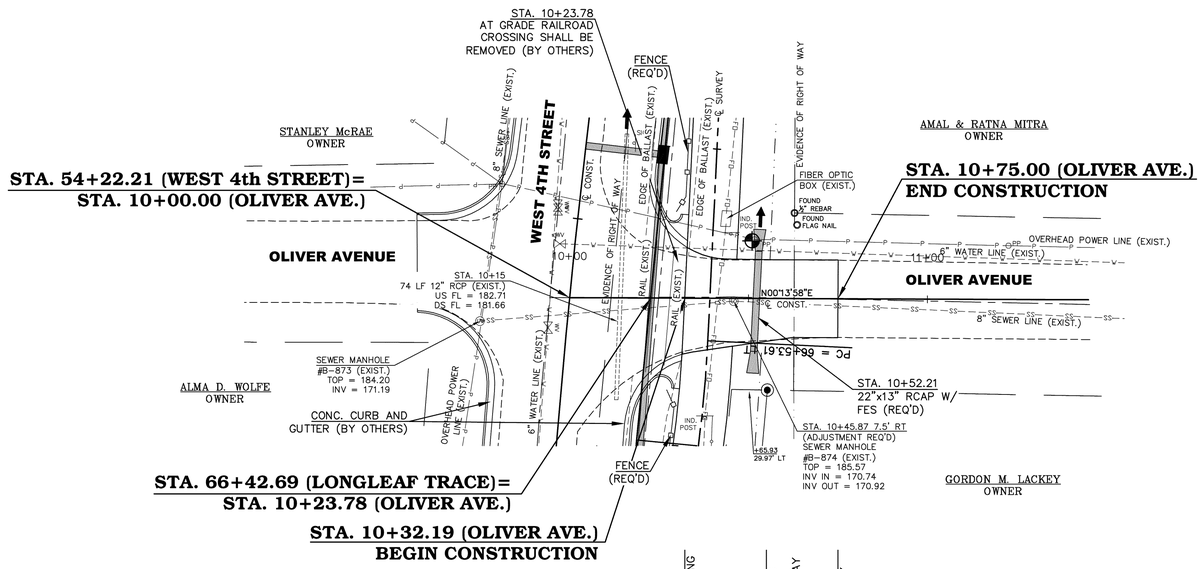
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DATE: AUGUST 27, 2012
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SCALE: 1"=20' H, 1"=5' V

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DRAWING NO. 12932.001C
WORKING No. WK_10
SHEET NO. 30

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BENCH MARK ELEVATION 186.01
RR SPIKE IN UTILITY POLE
16.11 FT LT STA. 10+50.95



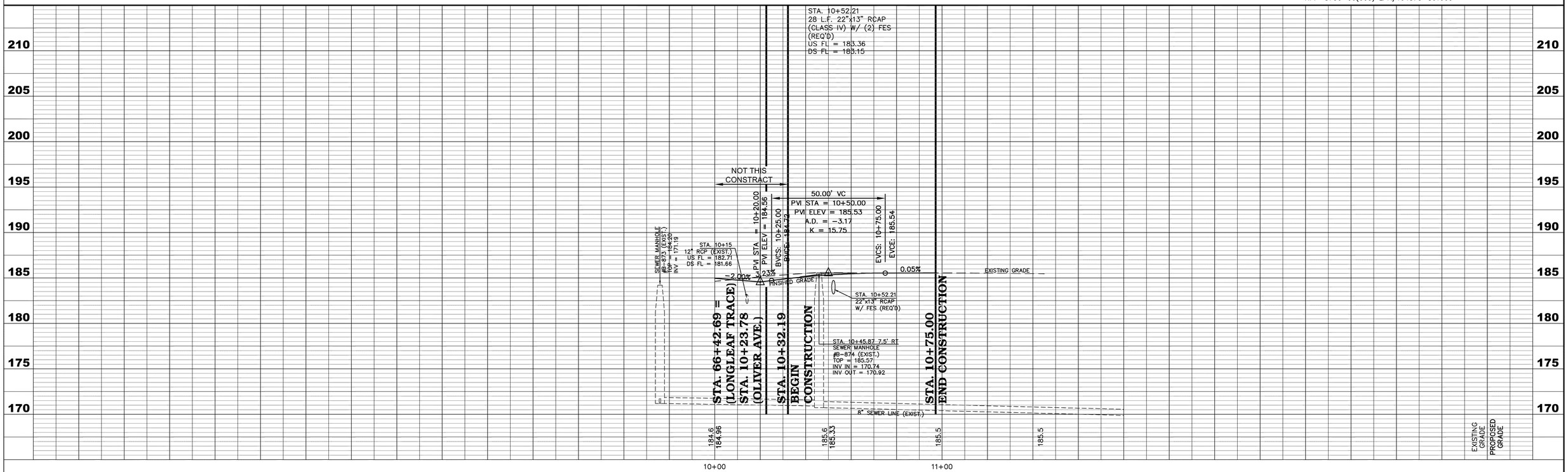
STA. 10+32.19
BEGIN ROADWAY GRADING & RECONSTRUCTION

STA. 10+55.00
END ROADWAY GRADING & RECONSTRUCTION
BEGIN MILL AND OVERLAY

STA. 10+75.00
END MILL AND OVERLAY

NOTE:
MANHOLE ADJUSTMENT SHALL BE PAID UNDER ITEM 613-D010

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OLIVER AVENUE
STA. 10+00 THRU STA. 11+20

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

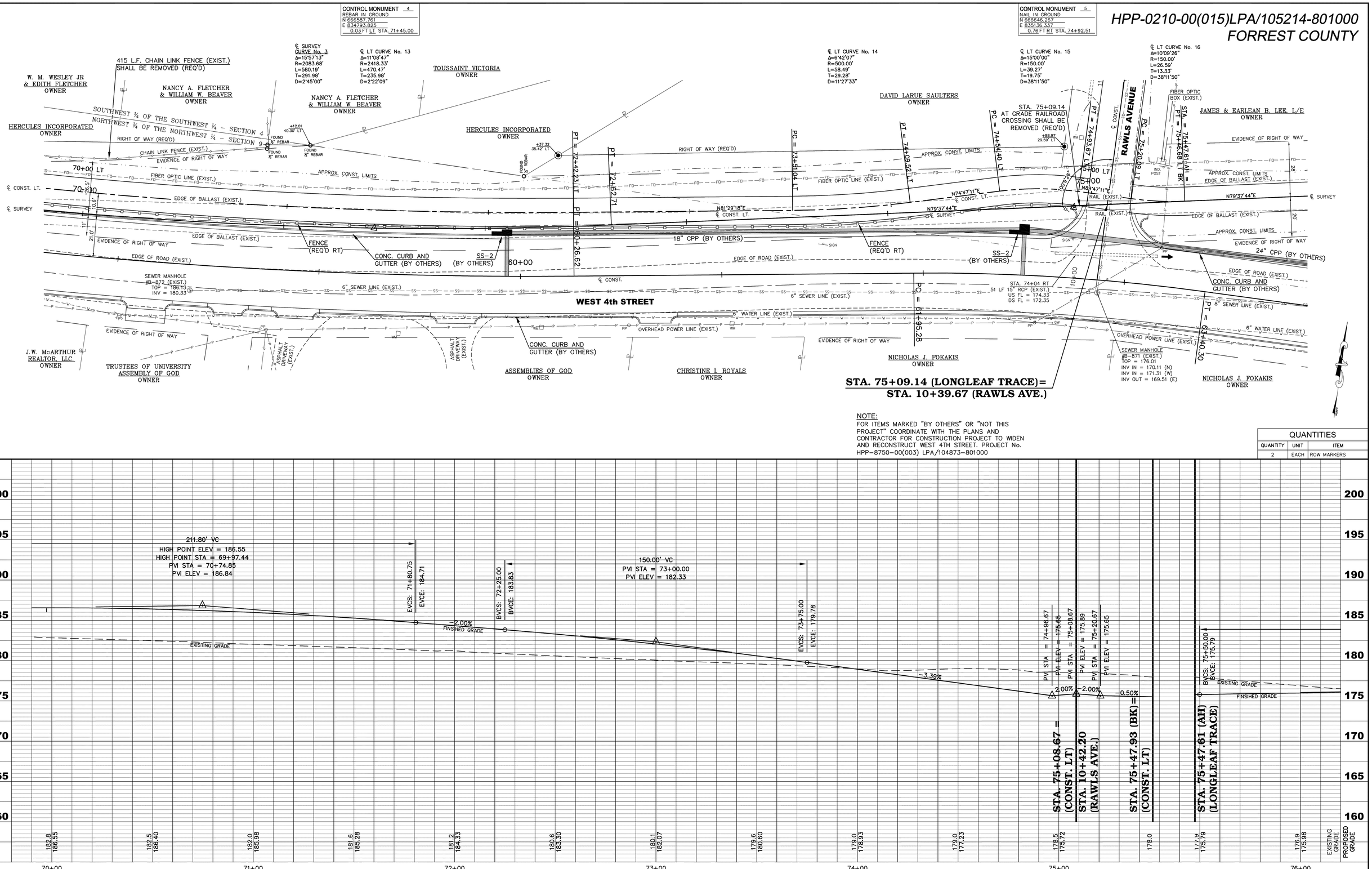
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DATE: AUGUST 27, 2012
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SCALE: 1"=20' H, 1"=5' V

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DRAWING NO. 12932.001C
WORKING No. WK_10A
SHEET NO. 31

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FORREST COUNTY



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QUANTITIES

QUANTITY	UNIT	ITEM
2	EACH	ROW MARKERS

LONGLEAF TRACE, ℄ CONST. LT.
STA. 70+00 LT THRU STA. 75+74.93 LT

LONGLEAF TRACE
STA. 75+47.61 THRU STA. 76+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

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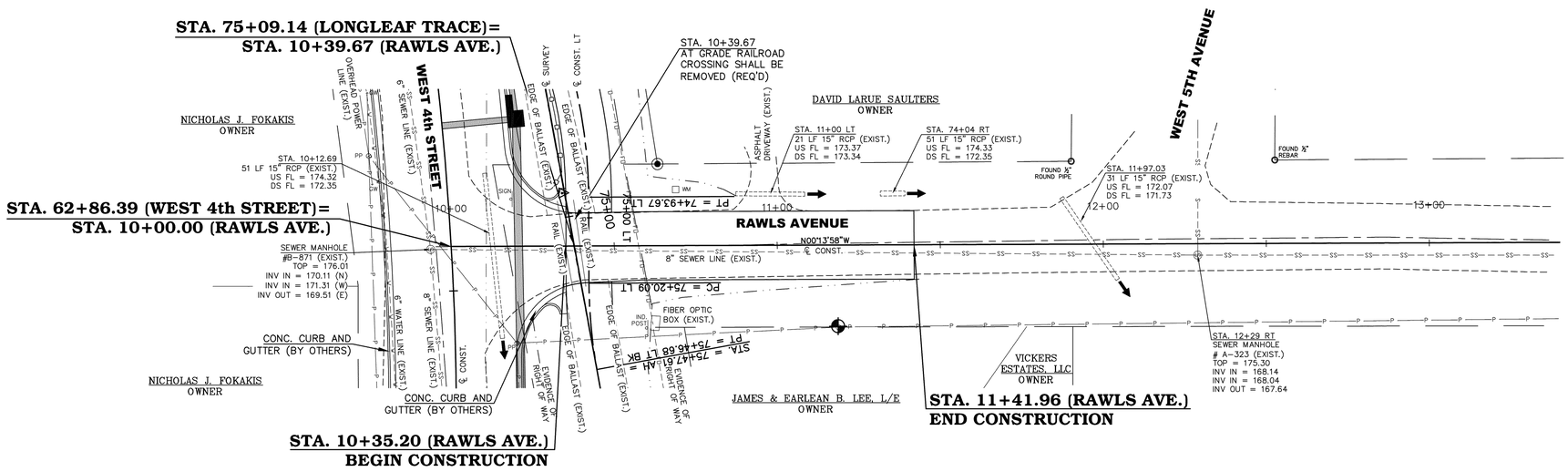
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DRAWING NO. 12932.001C
WORKING No. WK_11
SHEET NO. 32

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CONTROL MONUMENT 5
NAIL IN GROUND
N 666646.267
E 835136.337
16.23 FT LT STA. 10+34.08

BENCH MARK ELEVATION 174.50
RR SPIKE IN UTILITY POLE
24.85 FT RT STA. 75+47.85

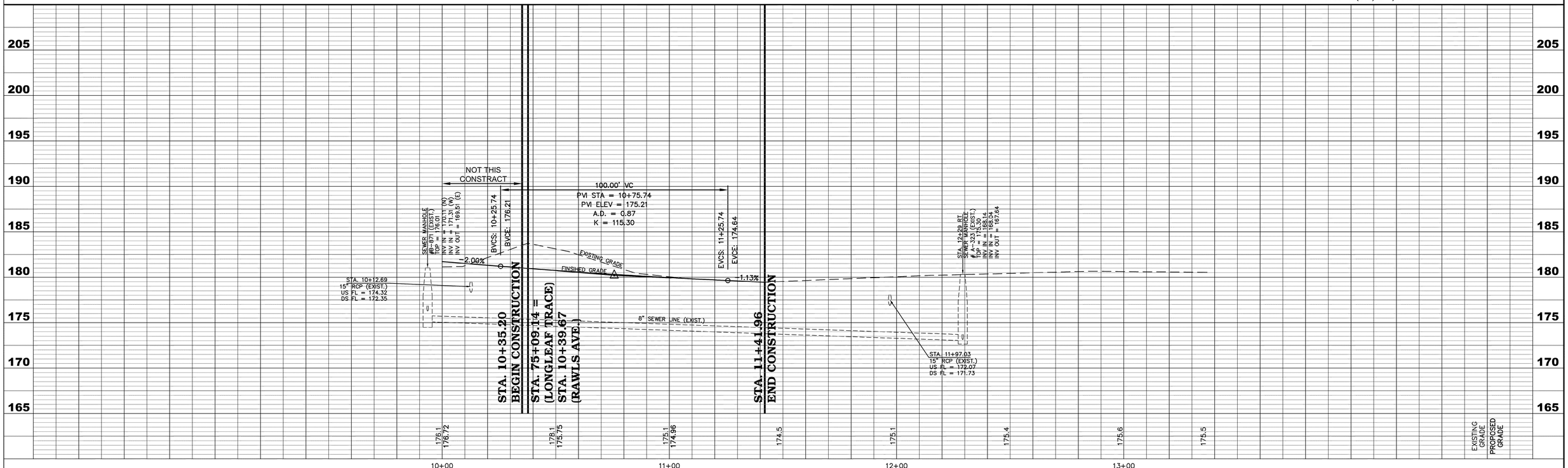


STA. 10+35.20
BEGIN ROADWAY GRADING
& RECONSTRUCTION

STA. 10+91.96
END ROADWAY GRADING
& RECONSTRUCTION
BEGIN MILL AND OVERLAY

STA. 11+41.96
END MILL AND OVERLAY

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RAWLS AVENUE
STA. 10+00 THRU STA. 11+40

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

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DRAWING NO. 12932.001C
WORKING No. WK_11A
SHEET NO. 33

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

CONTROL MONUMENT 6
REBAR IN GROUND
N 666660.098
E 835259.816
9.39 FT LT STA. 76+16.47

VICKERS ESTATES, LLC
OWNER

JAMES & EARLEAN B. LEE, L/E
OWNER

SARETHA WHITSETT
OWNER

ROBERT R. WALTERS
OWNER

UNKNOWN
OWNER

DURNITA FAYE & MARK A. WILLIAMS
OWNER

PERRY L. MILLER
OWNER

ORHO HERRIN, JR. & DORIS R. O. HERRIN
OWNER

JOSEPHINE PARKER
OWNER

CHRISTOPHER DUANE ENTREKIN
OWNER

FOUND 2" ROUND
FOUND ½" ROUND
FOUND ½" REBAR
FOUND ½" REBAR

EVIDENCE OF RIGHT OF WAY
FIBER OPTIC LINE (EXIST.)
IND. POST
APPROX. CONST. LIMITS
EDGE OF BALLAST (EXIST.)
℄ SURVEY
N79°37'44"E
80+00
22.5'
20'

STATE OF MISSISSIPPI
OWNER

JERRY JOE HIMES
OWNER

DAVID A BRACKETT
OWNER

JERRY J. HINES
OWNER

CHARLES HAMPTON COOK, SR.
OWNER

HAMP COOK
OWNER

JOEL E. & NITA S. SMITH
OWNER

CHAIN LINK FENCE (EXIST.)

24" CPP (BY OTHERS)
CONC. CURB AND GUTTER (BY OTHERS)
SS-2 (BY OTHERS)
23"x13" RCAP & FES (BY OTHERS) FL = 171.99
OVERHEAD POWER LINE (EXIST.)
EDGE OF ROAD (EXIST.)
SOUTHWEST ¼ OF THE SOUTHWEST ¼ - SECTION 4
NORTHWEST ¼ OF THE NORTHWEST ¼ - SECTION 9
WEST 4th STREET
8" SEWER LINE (EXIST.)
℄ CONST.
65+00
6" WATER LINE (EXIST.)
8.0'
6" WATER LINE (EXIST.)
STA. 77+88.50 RT
45 SY CONC. WALK
(REQ'D)
STA. 77+88.50 RT
9 SY CONC. RAMP
(REQ'D) (SEE DETAIL)
CONC. CURB & GUTTER (EXIST.)
CONC. DRIVEWAY (EXIST.)
ONE STORY WOOD FRAME RESIDENCE (EXIST.)
8" SEWER LINE (EXIST.)
SOUTHEAST ¼ OF THE SOUTHWEST ¼
NORTHEAST ¼ OF THE NORTHWEST ¼
SEWER MANHOLE #8-870 (EXIST.)
TOP = 172.56
INV = 166.86
TIE TO GUTTER GRADE (REQ'D)
STA. 77+88.50 RT
18 LF CONC. CURB & GUTTER SHALL BE REMOVED (REQ'D)
HUTCHINSON AVENUE
NICHOLAS J. FOKAKIS
OWNER
CONC. CURB AND GUTTER (BY OTHERS)
MORRIS MITCHELL
OWNER

NOTE:
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MATH GRADE **GRAPHIC GRADE**

200.00' VC
HPT ELEV = 176.04
HPT STA = 76+50.00
PVI STA = 76+50.00
PVI ELEV = 176.29
A.D. = -1.00
K = 200.00
EVCS: 77+50.00
EVCE: 175.79
-0.50%
FINISHED GRADE
EXISTING GRADE

	76+00	77+00	78+00	79+00	80+00	81+00	82+00
EXISTING GRADE	176.9	176.3	175.9	175.6	175.3	175.0	174.8	174.7	174.6	174.4	174.2	174.0	174.1
PROPOSED GRADE	175.98	176.04	175.98	175.79	175.57	175.67	175.47	175.37	175.27	175.07	174.87	174.67	174.77

LONGLEAF TRACE
STA. 76+00 THRU STA. 82+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

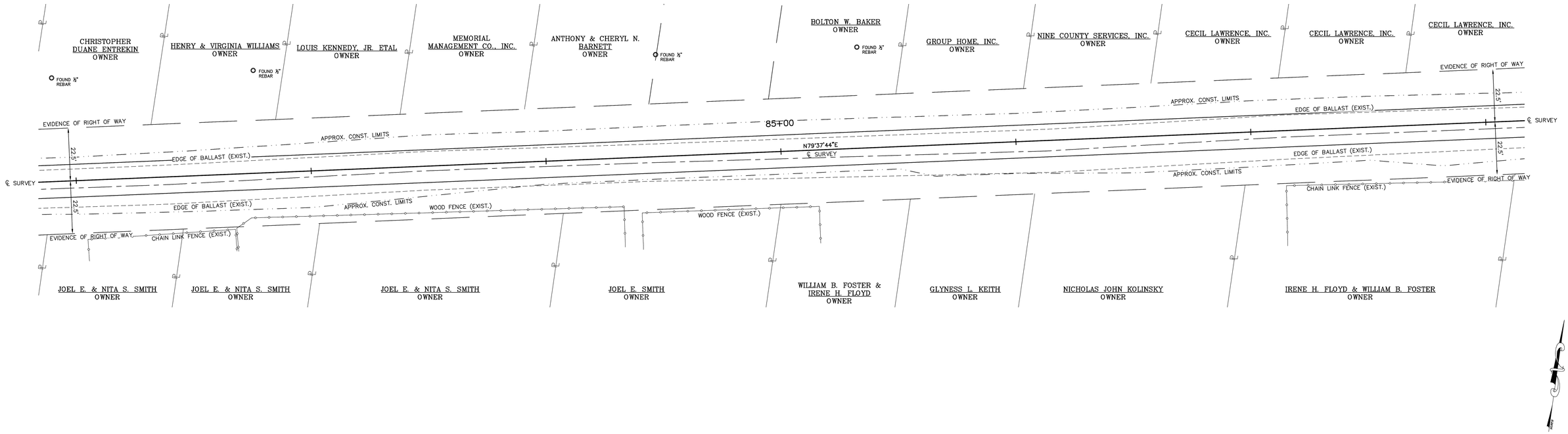
DATE	REVISION	BY

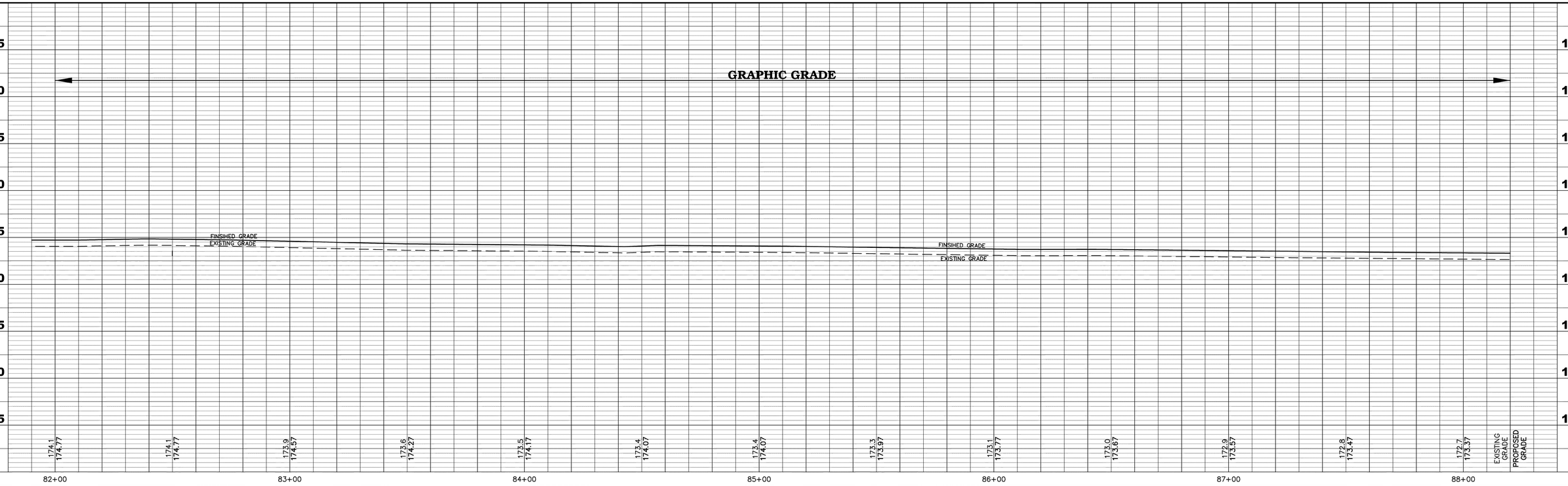
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WORKING No. WK_12
SHEET NO. 34

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LONGLEAF TRACE
STA. 82+00 THRU STA. 88+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

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DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

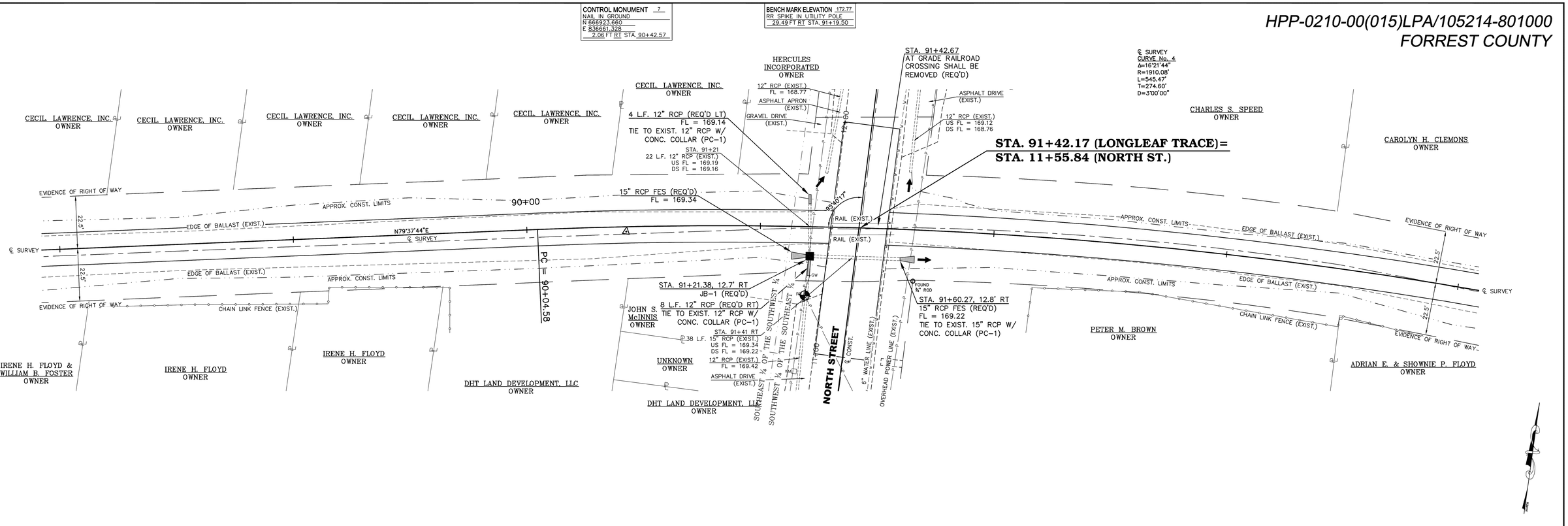
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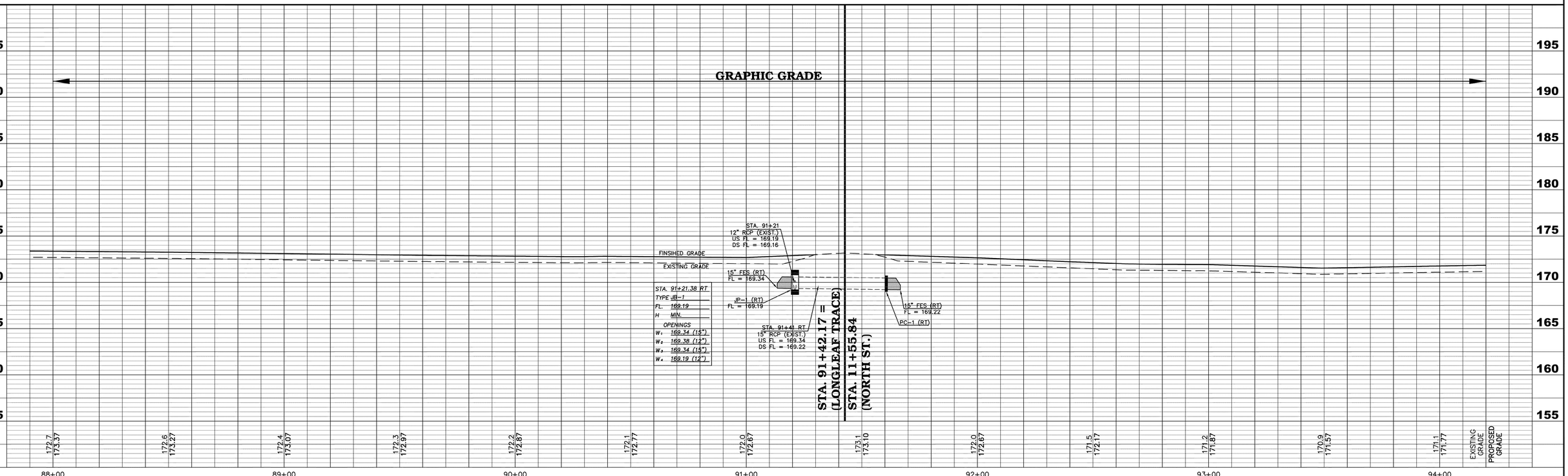
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CONTROL MONUMENT 7
NAIL IN GROUND
N 666923.660
E 836661.328
2.06 FT RT STA. 90+42.57

BENCH MARK ELEVATION 172.77
RR SPIKE IN UTILITY POLE
29.49 FT RT STA. 91+19.50





LONGLEAF TRACE
STA. 88+00 THRU STA. 94+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

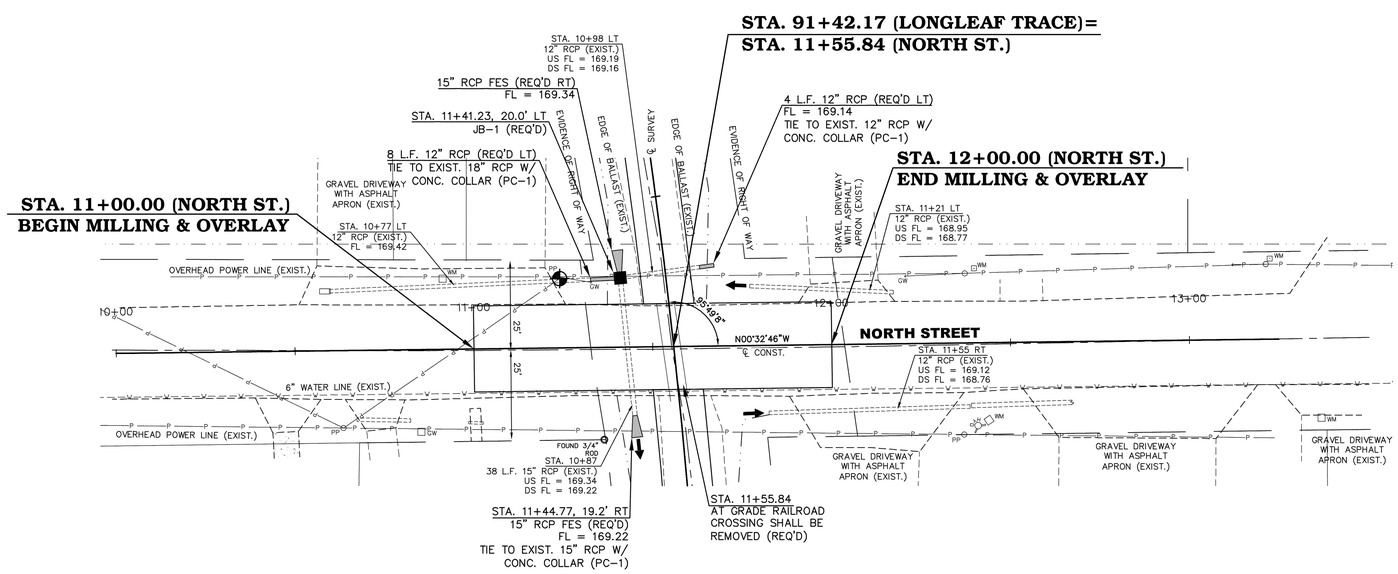
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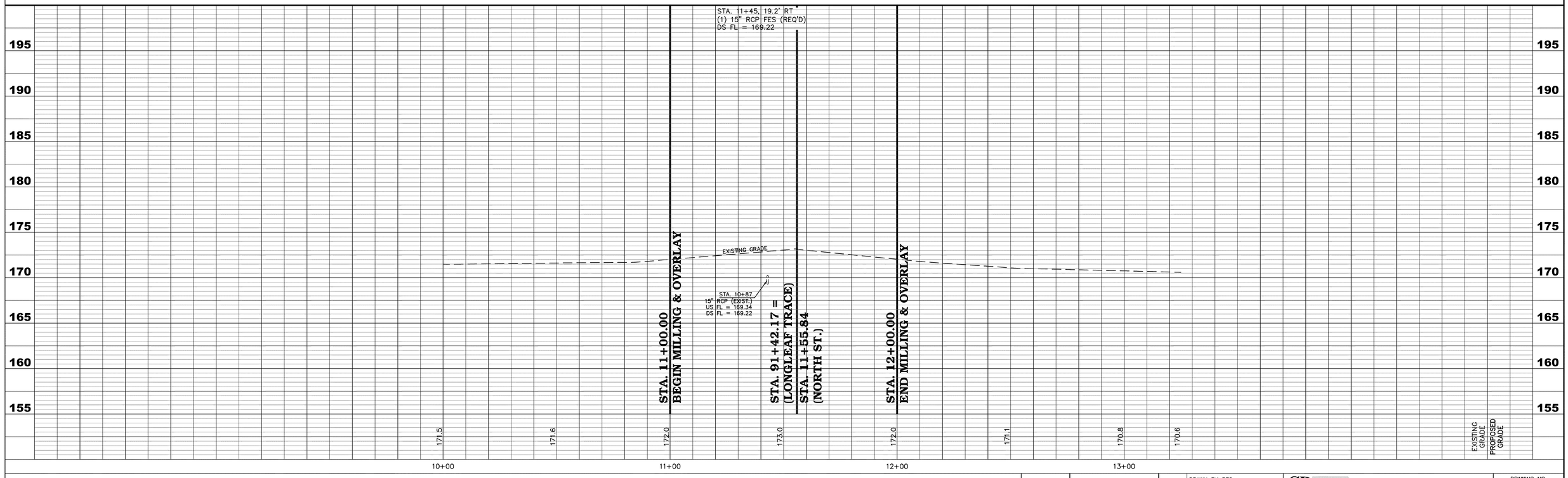
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DRAWING NO. 12932.001C
WORKING No. WK_14
SHEET NO. 36

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BENCH MARK ELEVATION 172.77
RR SPIKE IN UTILITY POLE
19.36 FT LT STA. 11+24.21





NORTH STREET
STA. 10+00 THRU STA. 13+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

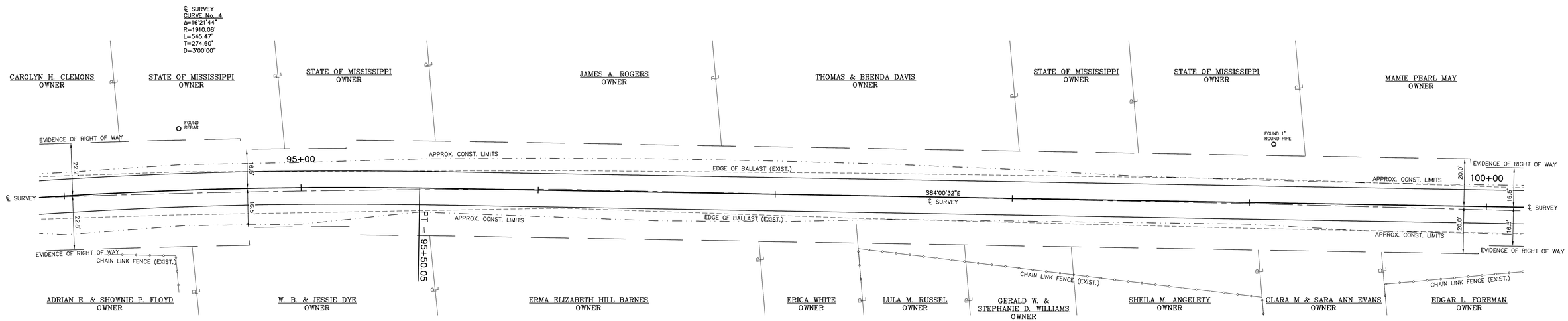
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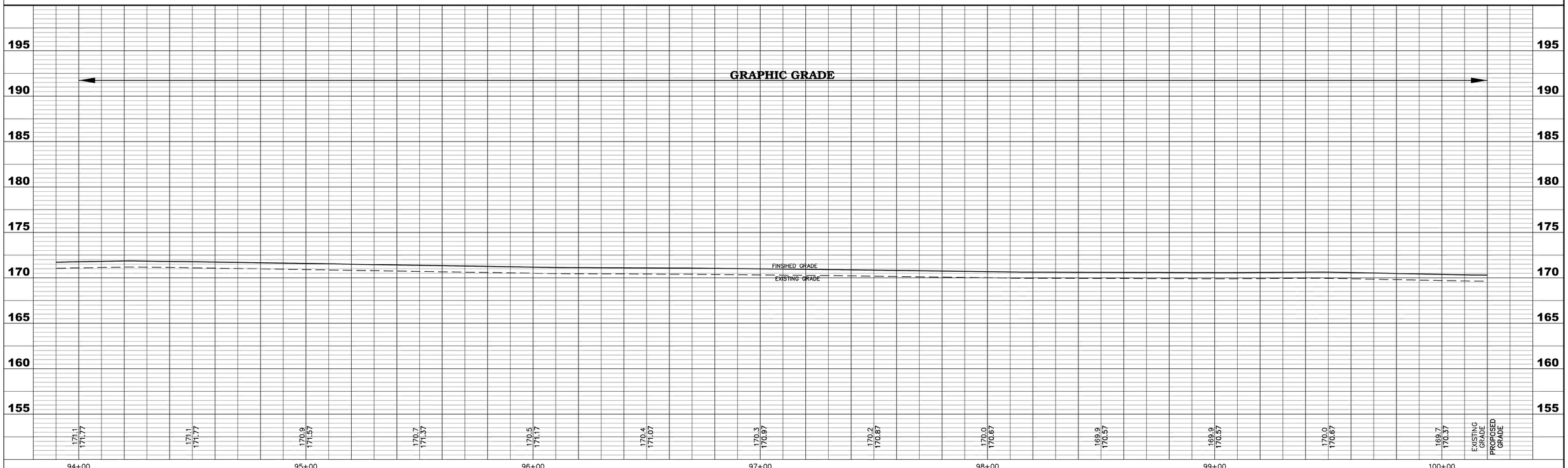
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DRAWING NO. 12932.001C
WORKING No. WK_14A
SHEET NO. 37

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LONGLEAF TRACE
STA. 94+00 THRU STA. 100+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

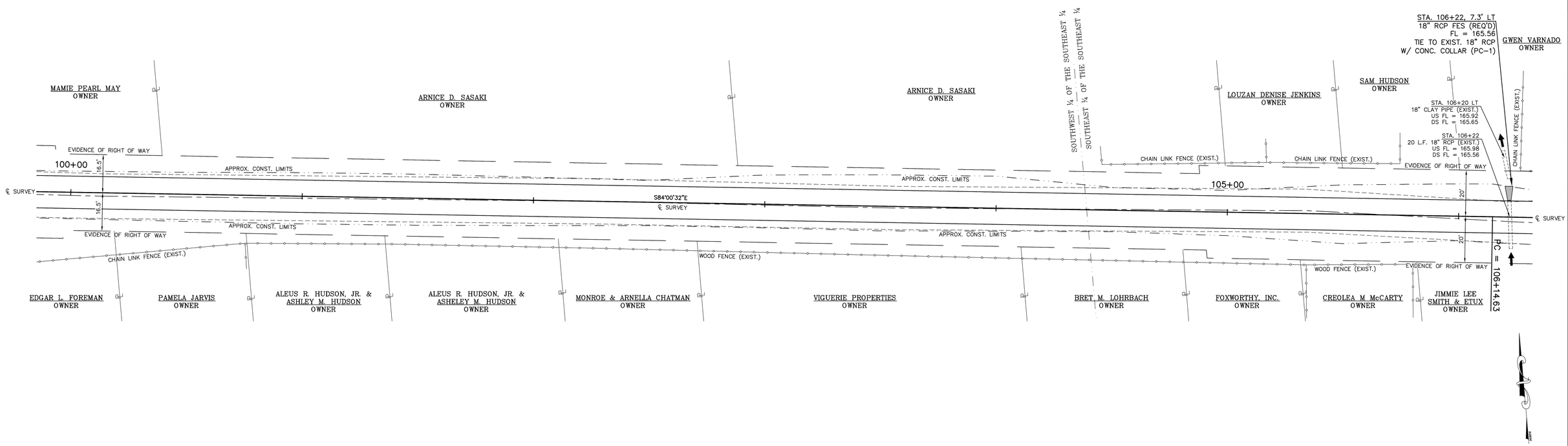
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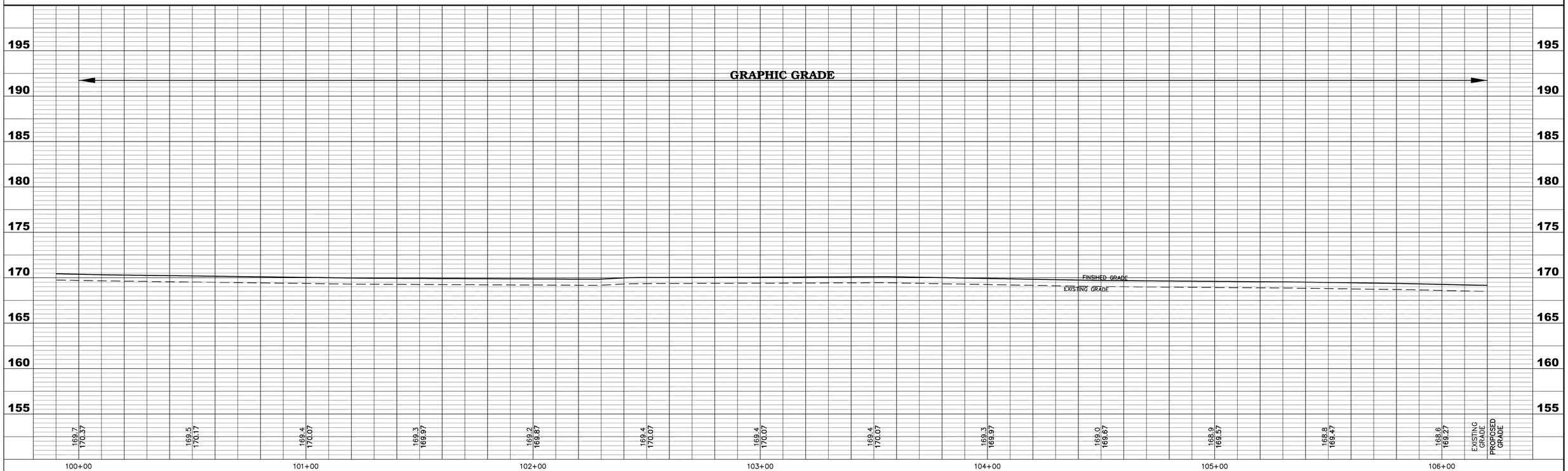
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1521
F: (601) 544 - 9501

DRAWING NO. 12932.001C
WORKING No. WK_15
SHEET NO. 38

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY





LONGLEAF TRACE
STA. 100+00 THRU STA. 106+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

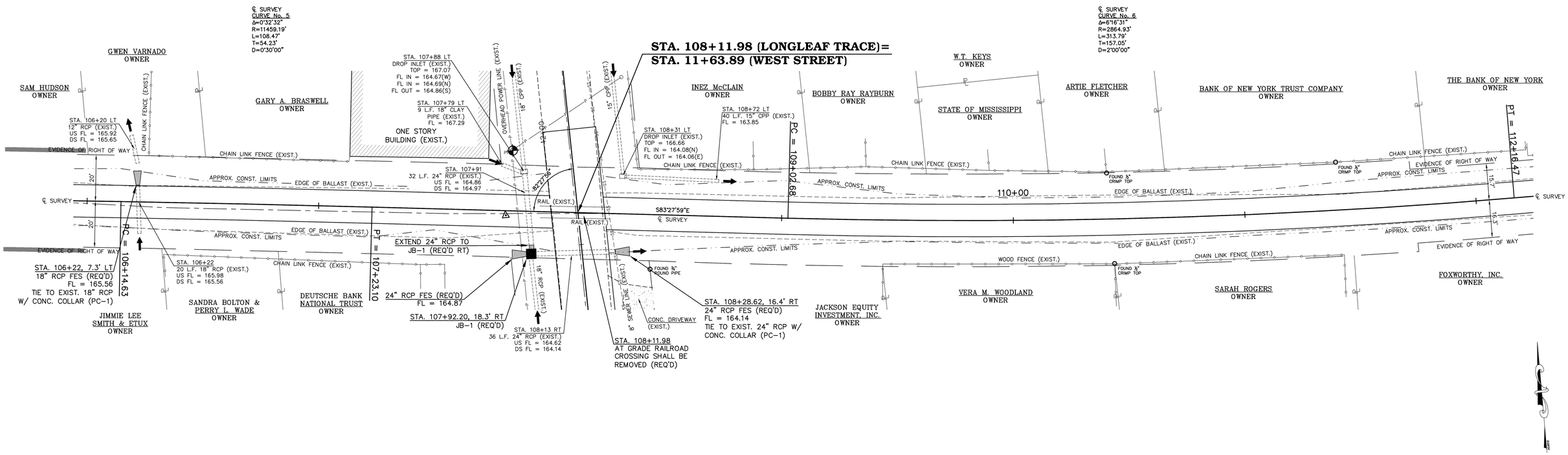
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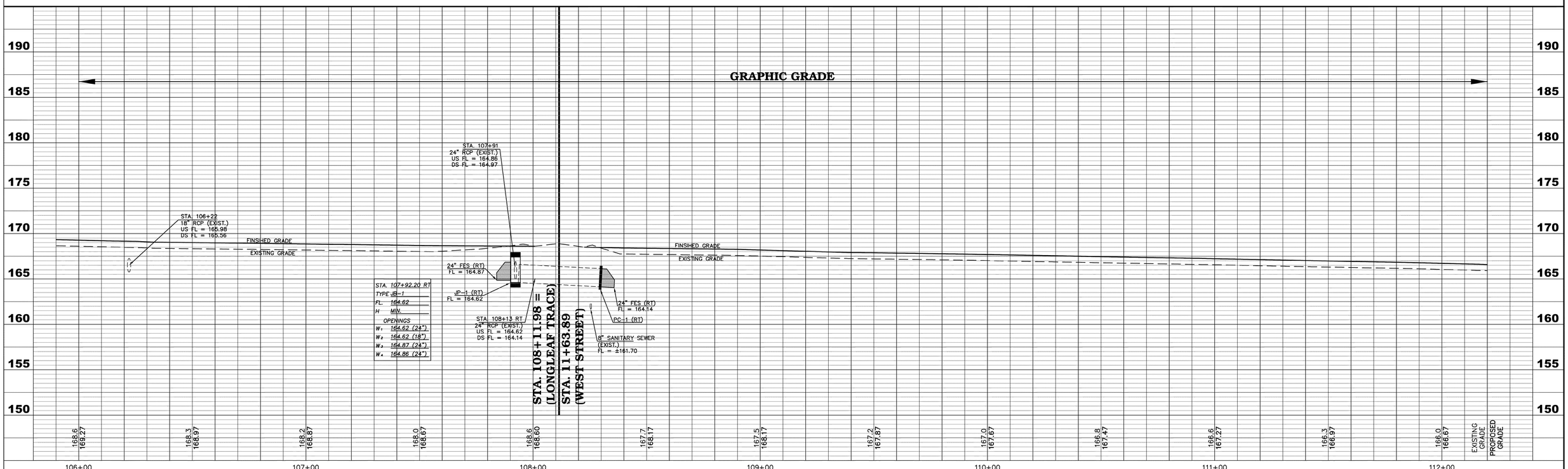
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
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HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_16
SHEET NO. 39

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CONTROL MONUMENT 8	BENCH MARK ELEVATION 167.87
NAIL IN GROUND	RR SPIKE IN UTILITY POLE
N 666808.478	26.06 FT LT STA. 107+83.18
E 838390.568	
2.01 FT RT STA. 107+80.90	





LONGLEAF TRACE
STA. 106+00 THRU STA. 112+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

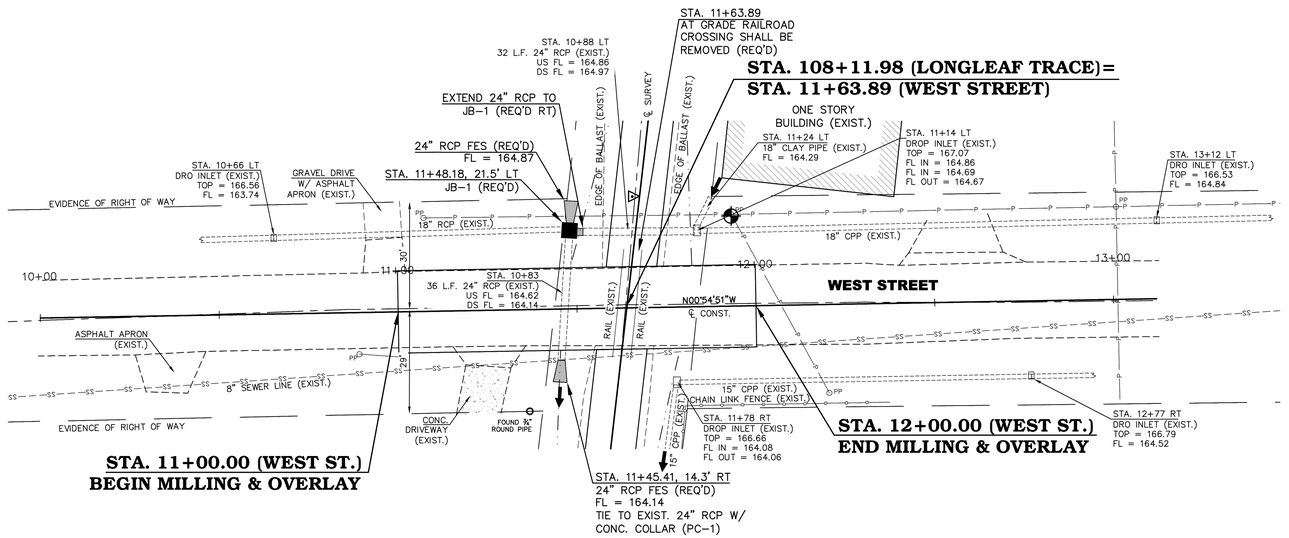
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CHECKED BY: KDW
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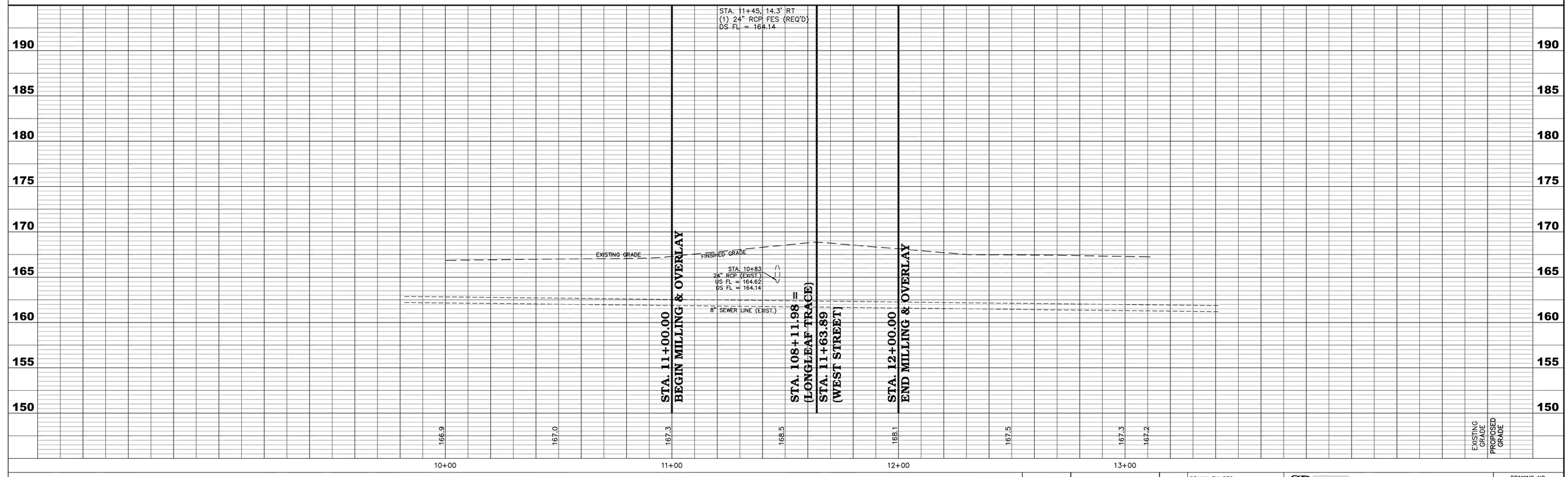
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_17
SHEET NO. 40

G:\PROJECTS\Rails to Trails\12932.001 - Longleaf Trace - Phase III\12932.001C\dwg\12932001cLpp_sht.dwg, WK_17, 10/7/2013 1:54:37 PM

CONTROL MONUMENT 8	BENCH MARK ELEVATION 167.87
NAIL IN GROUND	RR SPIKE IN UTILITY POLE
N 666808.478	25.14 FT LT STA. 11+93.50
E 838390.568	
31.08 FT LT STA. 11+65.98	





WEST STREET
STA. 10+00 THRU STA. 13+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

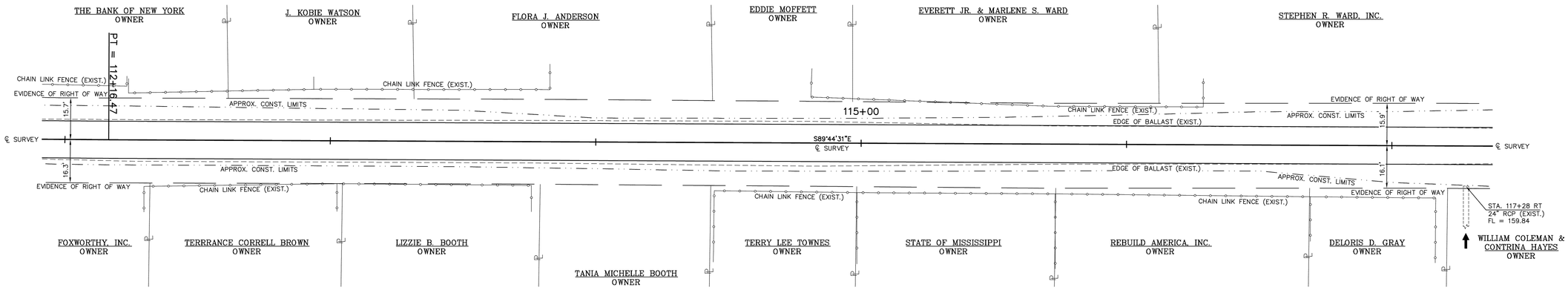
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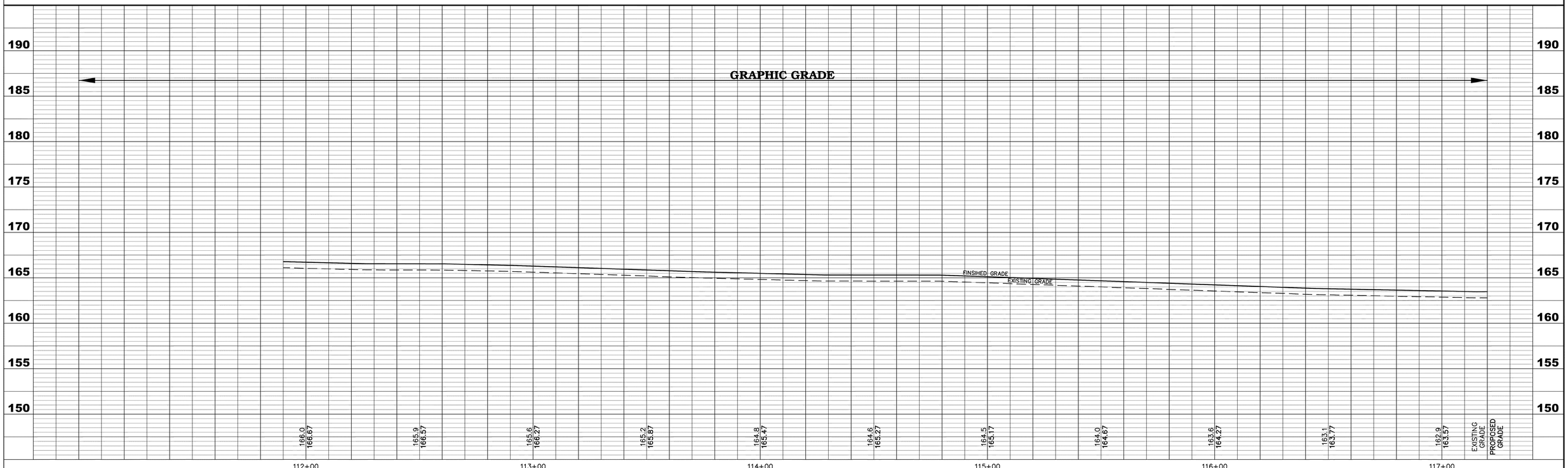
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_17A
SHEET NO. 41

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℄ SURVEY
CURVE No. 6
Δ=6°16'31"
R=2864.93'
L=313.79'
T=157.05'
D=2°00'00"





LONGLEAF TRACE
STA. 112+00 THRU STA. 117+00

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

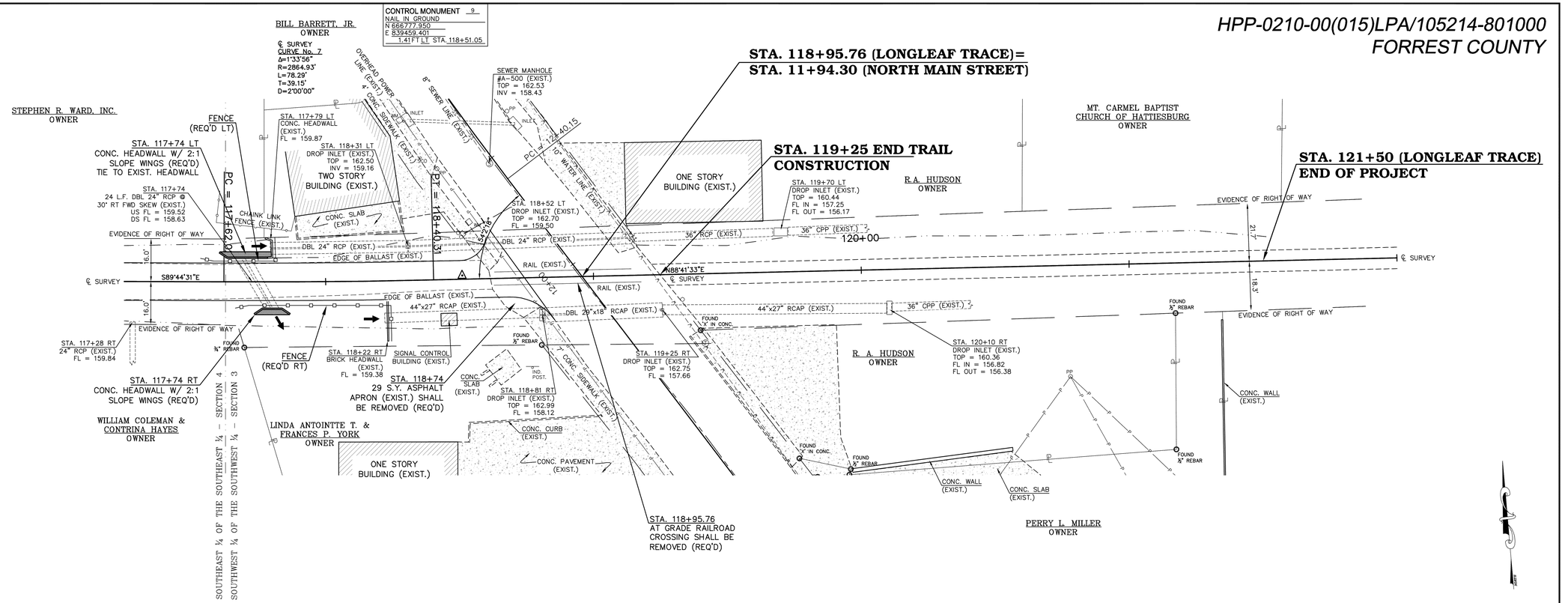
DATE	REVISION	BY

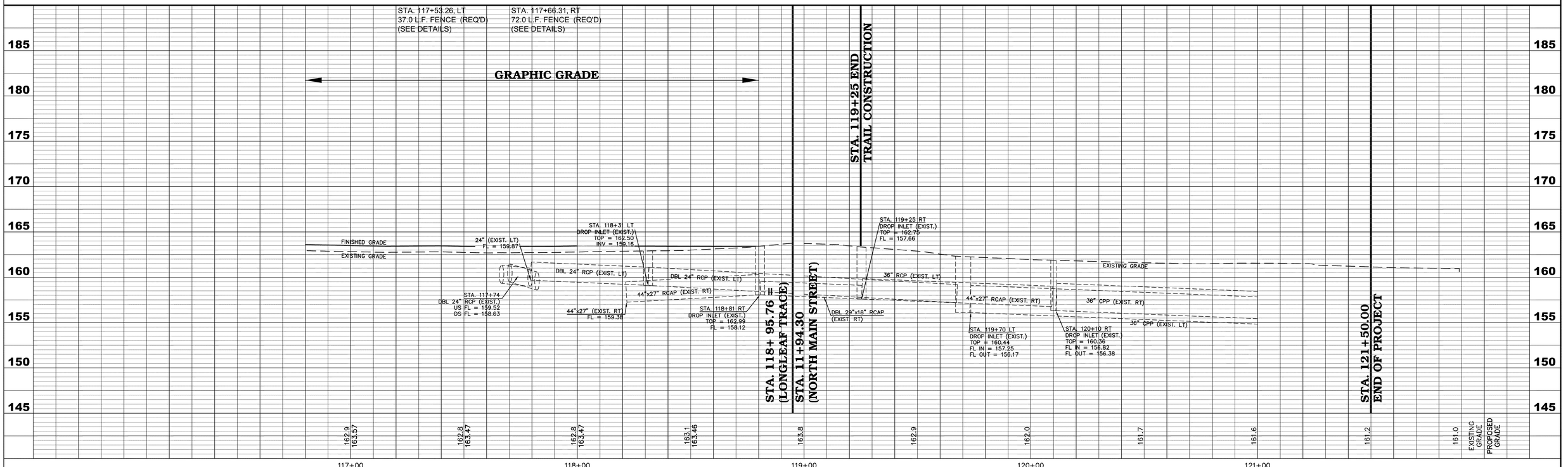
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DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

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CONSULTING ENGINEERS
P.O. BOX 1711
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301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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F: (601) 544 - 9501

DRAWING NO. 12932.001C
WORKING No. WK_18
SHEET NO. 42

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LONGLEAF TRACE
STA. 117+00 THRU STA. 119+60

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

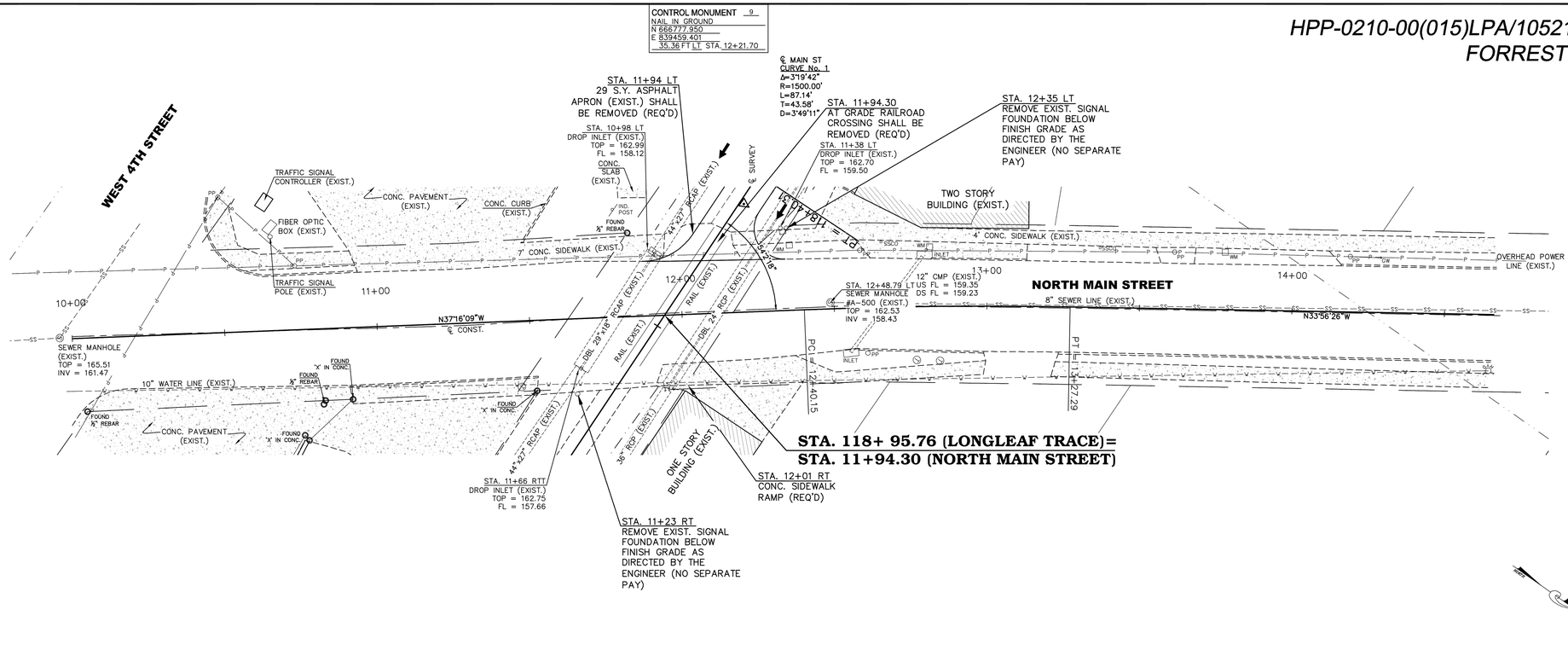
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DATE: AUGUST 27, 2012
CHECKED BY: KDW
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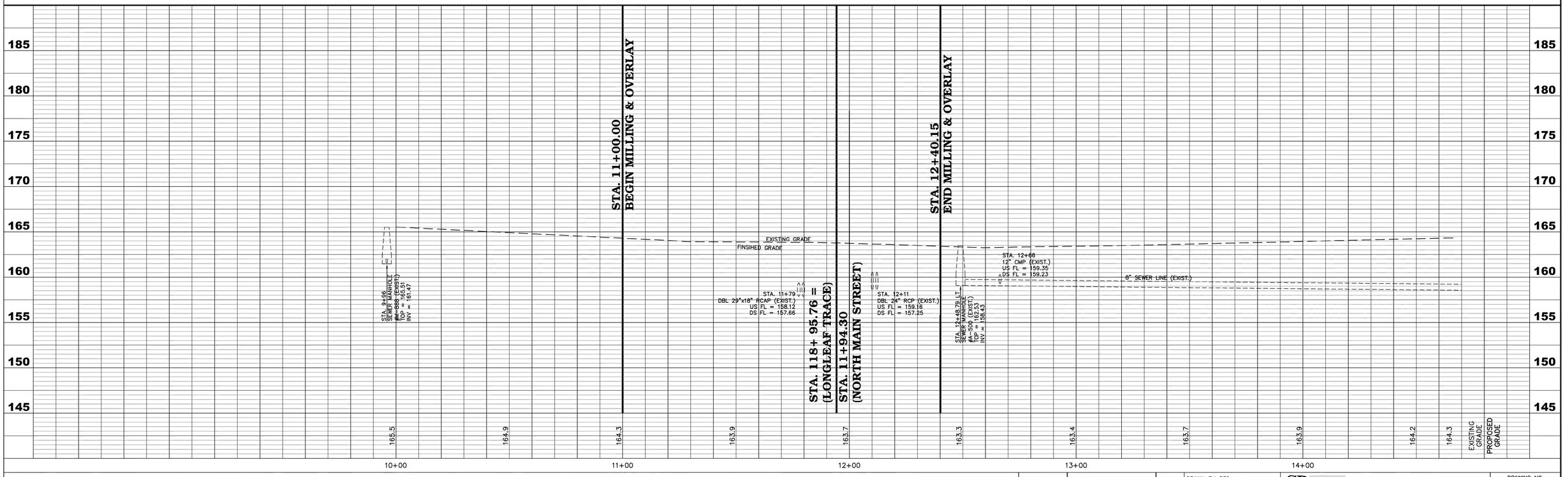
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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DRAWING NO. 12932.001C
WORKING No. WK_19
SHEET NO. 43

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY





NORTH MAIN STREET
STA. 10+00 THRU STA. 14+50

LONGLEAF TRACE, PHASE III
CITY OF HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

DRAWN BY: RES
DATE: AUGUST 27, 2012
CHECKED BY: KDW
SCALE: 1"=20' H, 1"=5' V

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CONSULTING ENGINEERS
P.O. BOX 1711
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301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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F: (601) 544 - 9501

DRAWING NO. 12932.001C
WORKING No. WK_19A
SHEET NO. 44

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

LEGEND

SIGN	DESCRIPTION
1	W20 – 1 (800')
2	W20 – 1 (600')
3	W20 – 1 (400')
4	W20 – 1 (AHEAD)
5	G20 – 2A
6	W20 – 1 (1500')
7	W20 – 1 (1000')
8	W20 – 1 (500')

* NOTE: SIGNS PLACED ON SERVICE ROAD.

BEGINNING OF PROJECT
STA. 10+14.00 RT

END OF PROJECT
STA. 121+50.00

EXISTING LONGLEAF TRACE

42
49
11

CANADIAN NATIONAL (ILLINOIS CENTRAL) RAILROAD
MIXON'S CREEK
SERVICE DRIVE
SERVICE DRIVE
N. 25TH AVENUE
MEADOWLANE DRIVE
WEST 7TH STREET
19TH AVENUE
MELBA AVENUE
PRESLY DRIVE
WEST 6TH STREET
OLIVER AVENUE
RAWLS AVENUE
(ABANDONED)
NORTH STREET
MAIN STREET
EAST 7TH STREET
WEST 5TH STREET
WEST 4TH STREET
VENETIAN WAY
21ST AVENUE
20TH AVENUE
KIMBALL AVENUE
19TH AVENUE
PARK AVENUE
DIXIE AVENUE
OLIVER AVENUE
SOUTH STREET
BROAD STREET
EMERSON DRIVE
QUINN STREET
QUINN STREET
N. 25TH AVENUE
PEARL STREET
HUTCHINSON AVENUE
HARDY STREET
28TH AVENUE
27TH AVENUE
SERVICE DRIVE
SERVICE DRIVE
25TH AVENUE
24TH AVENUE
23RD AVENUE
22ND AVENUE
21ST AVENUE
CONCART STREET
10TH AVENUE
JWRTON AVENUE
19TH AVENUE
17TH AVENUE
16TH AVENUE
15TH AVENUE
14TH AVENUE
CONCART STREET
13TH AVENUE
12TH AVENUE
11TH AVENUE
10TH AVENUE
7TH AVENUE
MAMIE STREET
8TH AVENUE
CAMP STREET
CAMP STREET
MAMIE STREET
MAMIE STREET
ADELINE STREET
ADELINE STREET

GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.

NO.	DATE	DESCRIPTION	BY

CONSTRUCTION SIGNING PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. CS1	
Drawing No.: 12932.001C	Sheet No. 45	

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HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

LEGEND

SIGN	DESCRIPTION
1	R11 – 2, MOUNTED ON TYPE III
	BARRICADE, DOUBLE FACED, 18' WIDE
2	R1–1 (MOUNTED ON BACK SIDE OF BARRICADE)

NOTES:

A. BARRICADES SHALL BE PLACED CROSSING DRIVEWAY ACROSS TRAIL BETWEEN USM PARKING LOTS.

B. SEE SHEET 47 FOR TYPICAL DETOUR PLAN.

BEGINNING OF PROJECT
STA. 10+14.00 RT

END OF PROJECT
STA. 121+50.00

EXISTING LONGLEAF TRACE

ILLINOIS CENTRAL RAILROAD

MIXON'S CREEK

GORDON'S CREEK

42

49

11

SERVICE DRIVE

N. 25TH AVENUE

MEADOWLANE DRIVE

19TH AVENUE

MELBA AVENUE

PRESLY DRIVE

OLIVER AVENUE

RAWLS AVENUE (ABANDONED)

NORTH STREET

HUTCHINSON AVENUE

SOUTH STREET

BROAD STREET

PARK AVENUE

DIXIE AVENUE

KIMBALL AVENUE

20TH AVENUE

21ST AVENUE

PATTON AVENUE

10TH AVENUE

11TH AVENUE

12TH AVENUE

13TH AVENUE

14TH AVENUE

15TH AVENUE

16TH AVENUE

17TH AVENUE

22ND AVENUE

23RD AVENUE

24TH AVENUE

25TH AVENUE

27TH AVENUE

28TH AVENUE

WEST 7TH STREET

WEST 6TH STREET

WEST 5TH STREET

WEST 4TH STREET

VENETIAN WAY

EMERSON DRIVE

QUINN STREET

PEARL STREET

HARDY STREET

CONCART STREET

CAMP STREET

MAMIE STREET

ADELINE STREET

MABEL STREET

7TH AVENUE

8TH AVENUE

GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.

NO.	DATE	DESCRIPTION	BY

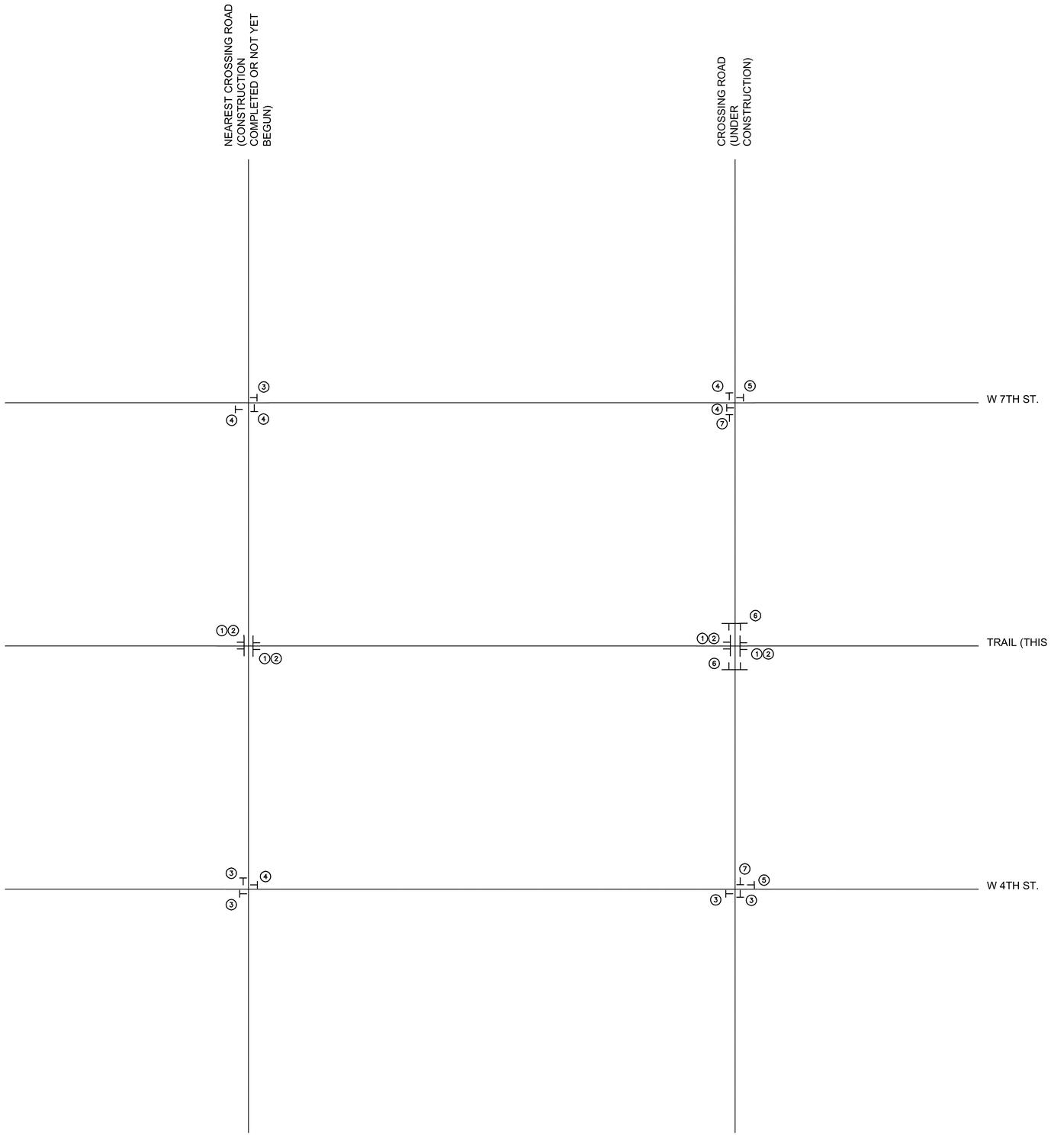
TRAFFIC CONTROL PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
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Drawn by: RES	Checked by: KDW	Scale: NOT TO SCALE
Date: AUGUST 27, 2012	Working No. TCP1	
Drawing No.: 12932.001C	Sheet No. 46	

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LEGEND

SIGN	DESCRIPTION
1	R11 – 2, MOUNTED ON TYPE III BARRICADE,
	DOUBLE FACED, 18' WIDE
	(IN PLACE FROM TRAFFIC CONTROL PLAN)
2	R1–1 (MOUNTED ON BACK SIDE OF BARRICADE)
	(IN PLACE FROM TRAFFIC CONTROL PLAN)
3	M4–9L, SD1
4	M4–9R, SD1
5	M4–9, SD1
6	R11 – 2, MOUNTED ON TYPE III
	BARRICADE, DOUBLE FACED, 24' WIDE
7	R11 – 4
SD1	ROAD NAME PLAQUE

NOTES:

1. ALL ROAD CLOSURES SHALL BE SUBMITTED TO THE CITY OF HATTIESBURG AND THE ENGINEER IN WRITING ONE WEEK PRIOR TO CLOSURE FOR APPROVAL.
2. NO MORE THAN TWO CROSSING ROADS SHALL BE CLOSED AT ONE TIME. CLOSED ROADS SHALL NOT BE CONSECUTIVE.
3. DEAD END STREETS AND/OR DRIVES SHALL NOT BE CLOSED. WORK SHALL COMMENCE UNDER TRAFFIC WITH ONE LANE CLOSURE PER DETAIL ON SHEET 250.
4. ALL DETOUR SIGNS AND BARRICADES ON THIS SHEET SHALL BE PAID FOR 1 TIME (EXCEPT NAME PLAQUES). THE CONTRACTOR SHALL REMOVE AND RESET SIGNS AS NEEDED, PAID UNDER MAINTENANCE OF TRAFFIC (618–A).

NO.	DATE	DESCRIPTION	BY

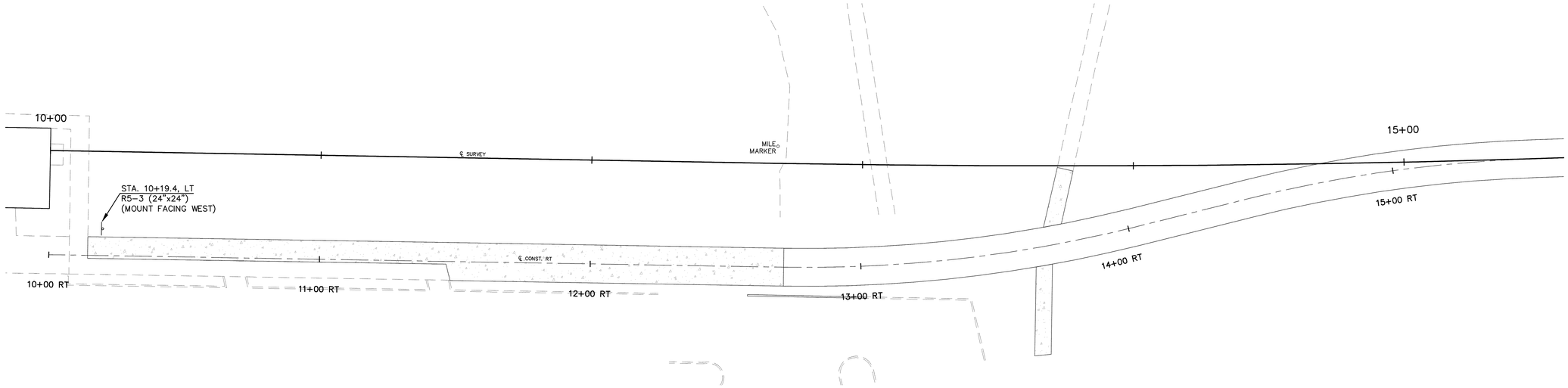
TYPICAL TRAFFIC DETOUR PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

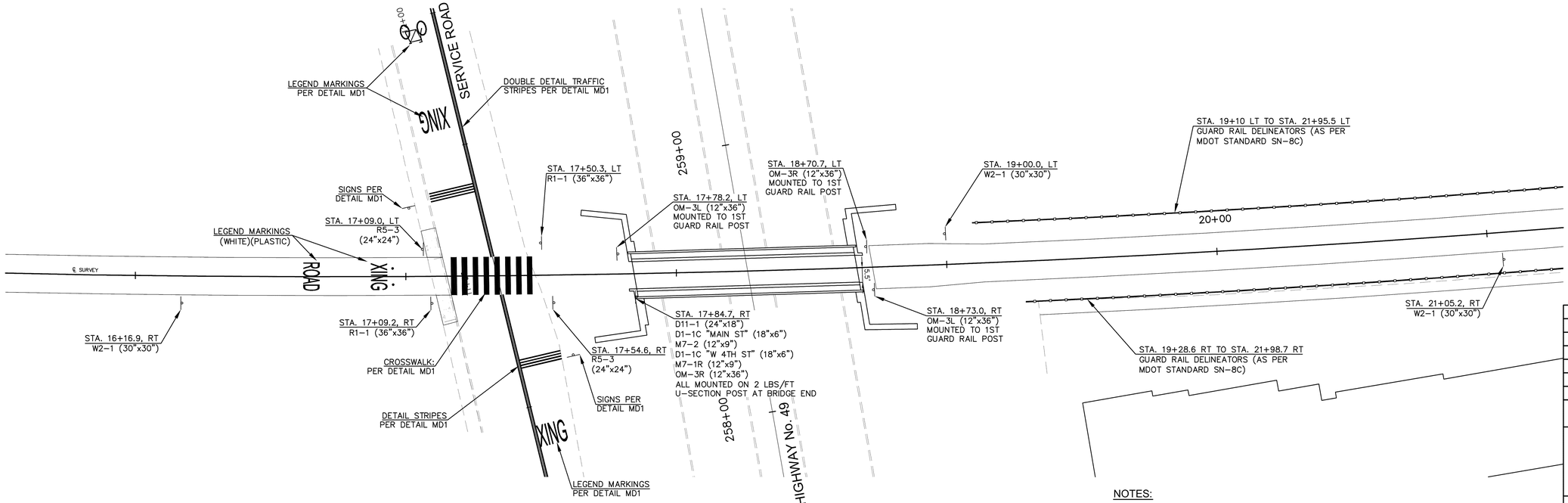
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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Date: AUGUST 27, 2012	Working No. TDP1	
Drawing No.: 12932.001C	Sheet No. 47	

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LONGLEAF TRACE - GATEWAY SITE



LONGLEAF TRACE

NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
4. WHERE MULTIPLE SIGNS ARE SHOWN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM. SIGNS SHALL BE MOUNTED FACING THE CONVENTIONAL DIRECTION OF TRAFFIC, UNLESS OTHERWISE NOTED.

NO.	DATE	DESCRIPTION	BY

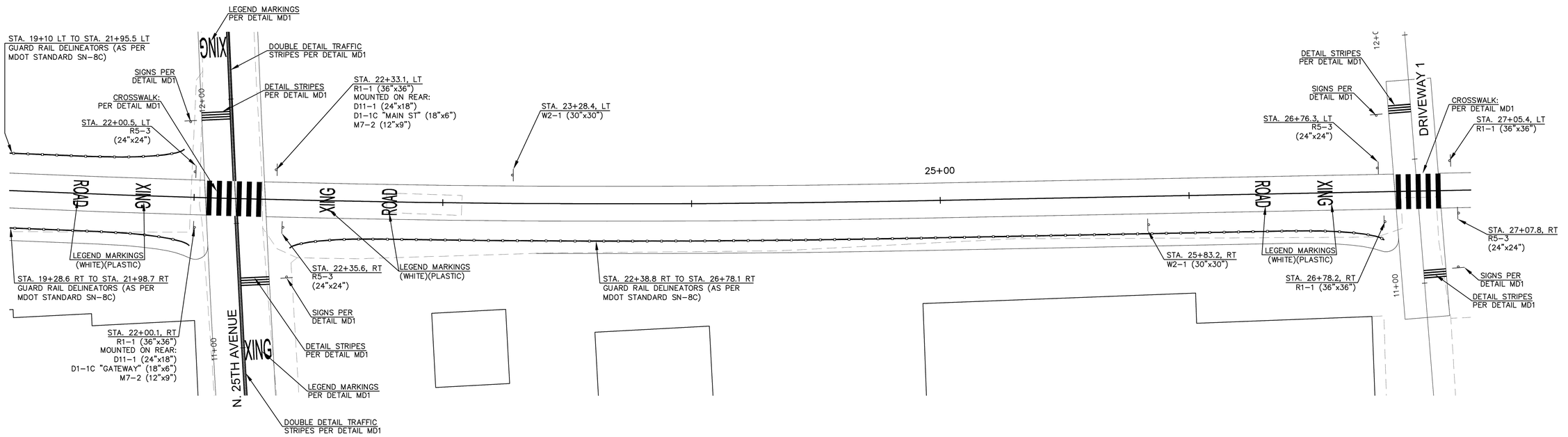
STRIPING AND SIGNAGE PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

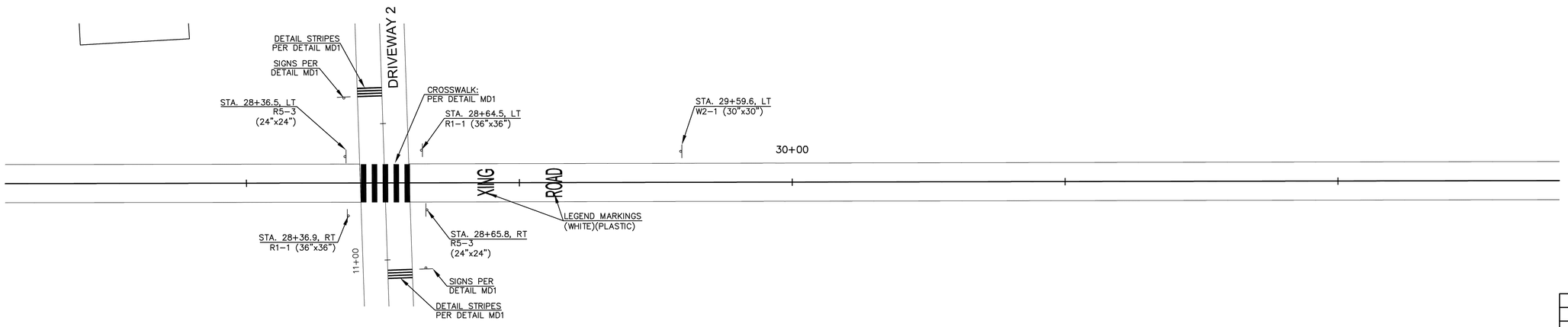
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
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HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP1	
Drawing No.: 12932.001C	Sheet No. 48	

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LONGLEAF TRACE



LONGLEAF TRACE

NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
4. WHERE MULTIPLE SIGNS ARE SHOWN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM. SIGNS SHALL BE MOUNTED FACING THE CONVENTIONAL DIRECTION OF TRAFFIC, UNLESS OTHERWISE NOTED.

NO.	DATE	DESCRIPTION	BY

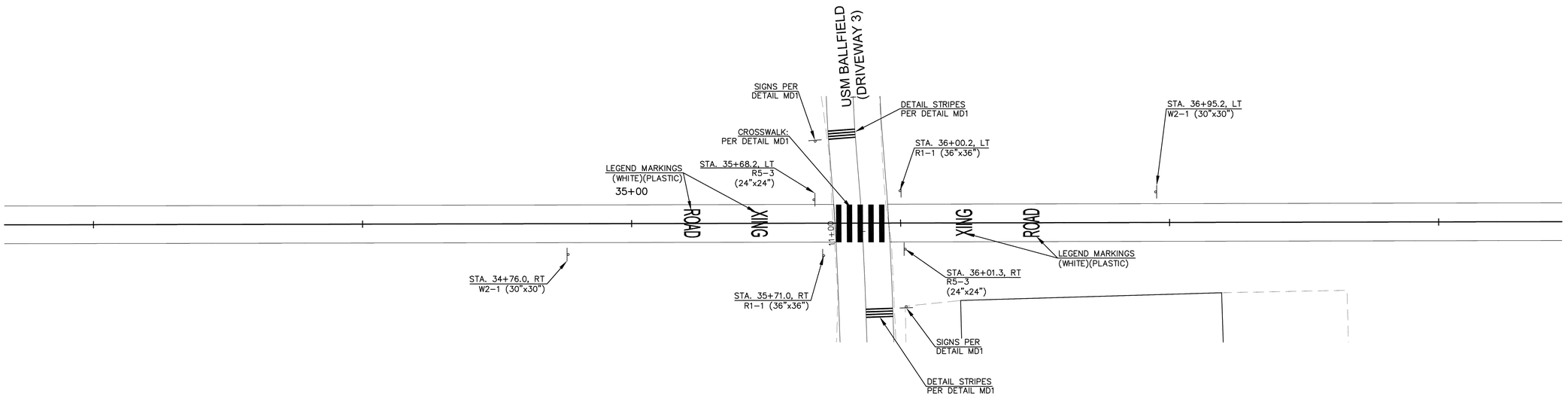
STRIPING AND SIGNAGE PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

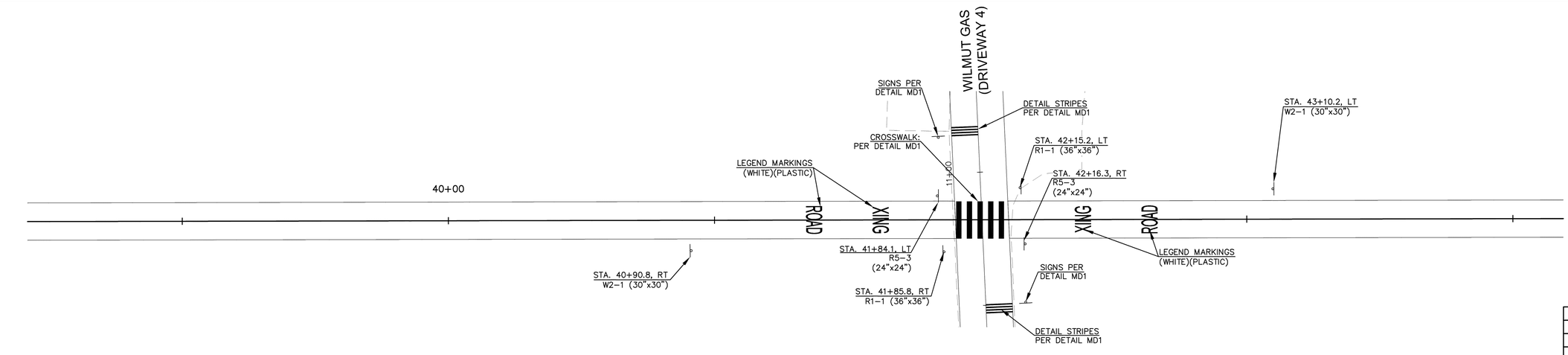
SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP2	
Drawing No.: 12932.001C	Sheet No. 49	

G:\PROJECTS\Rails to Trails\12932.001 - Longleaf Trace - Phase III\12932.001C\dwg\12932001c_smpc_sgn_pln.dwg, SSP2, 12/4/2013 10:25:25 AM



LONGLEAF TRACE



LONGLEAF TRACE

NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
4. WHERE MULTIPLE SIGNS ARE SHOWN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM. SIGNS SHALL BE MOUNTED FACING THE CONVENTIONAL DIRECTION OF TRAFFIC, UNLESS OTHERWISE NOTED.

NO.	DATE	DESCRIPTION	BY

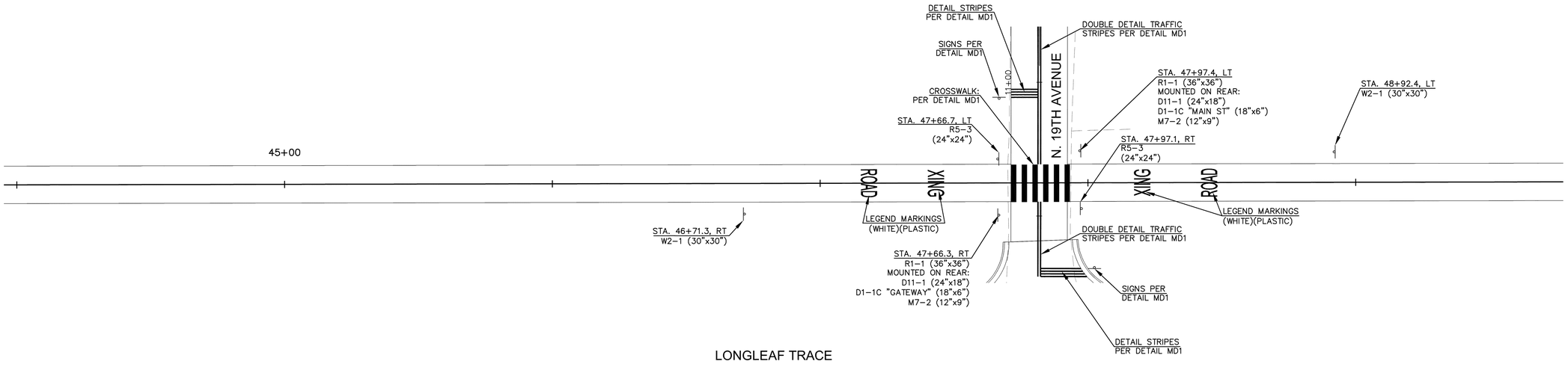
STRIPING AND SIGNAGE PLAN

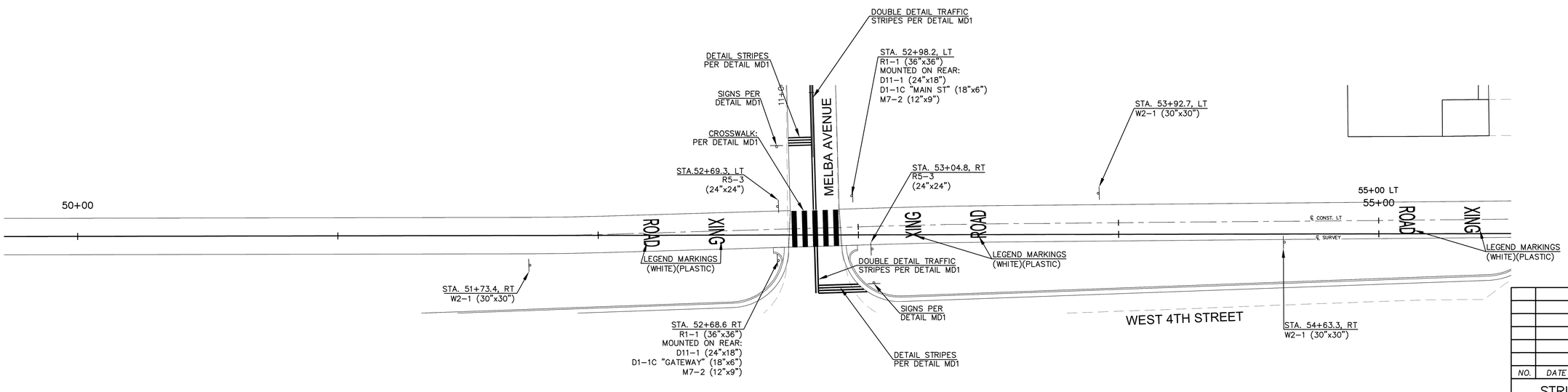
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP3	
Drawing No.: 12932.001C	Sheet No. 50	

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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
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NO.	DATE	DESCRIPTION	BY

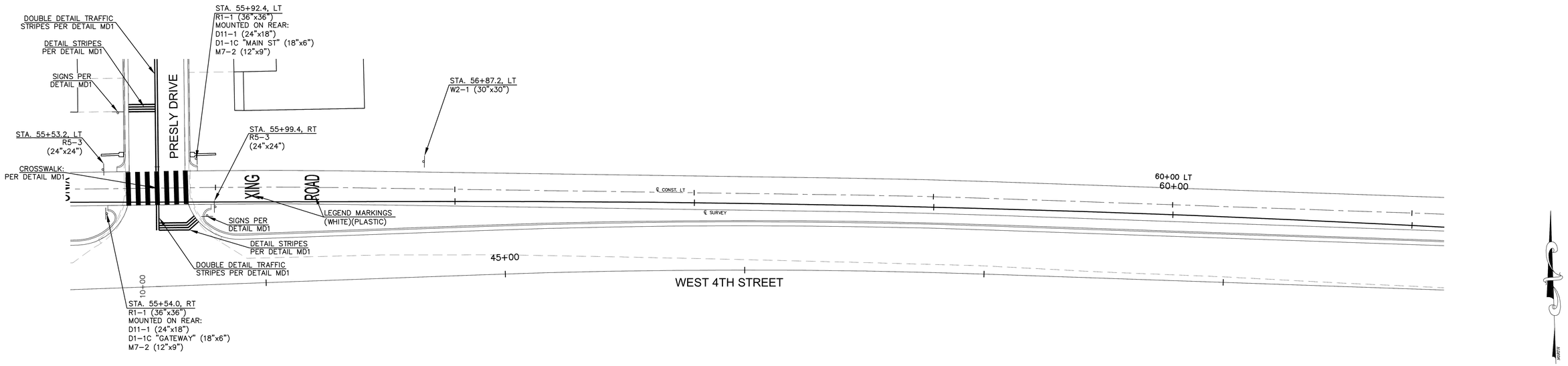
STRIPING AND SIGNAGE PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

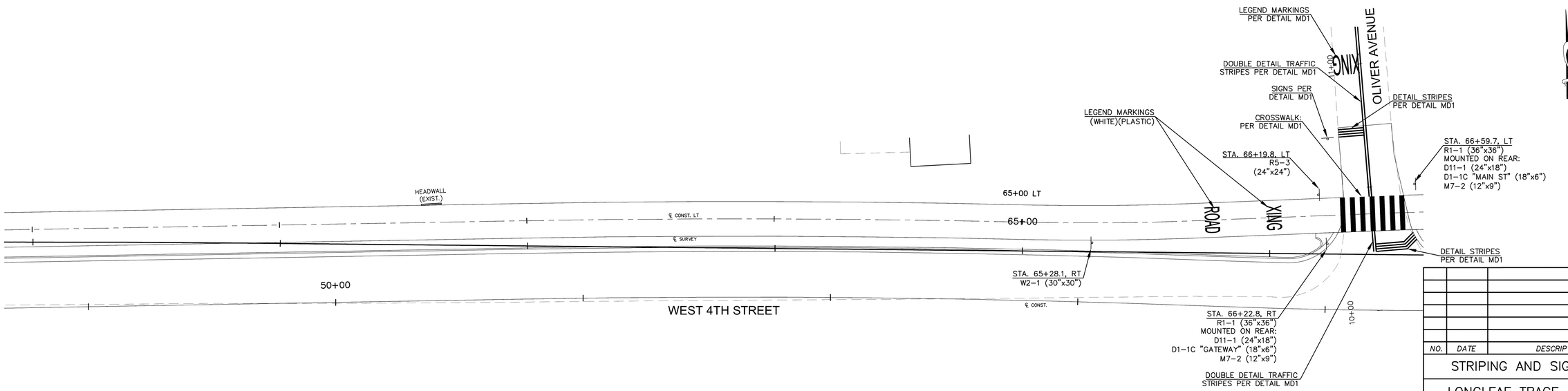
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CONSULTING ENGINEERS
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301 SECOND AVENUE
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP4	
Drawing No.: 12932.001C	Sheet No. 51	

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LONGLEAF TRACE



LONGLEAF TRACE

NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
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NO.	DATE	DESCRIPTION	BY

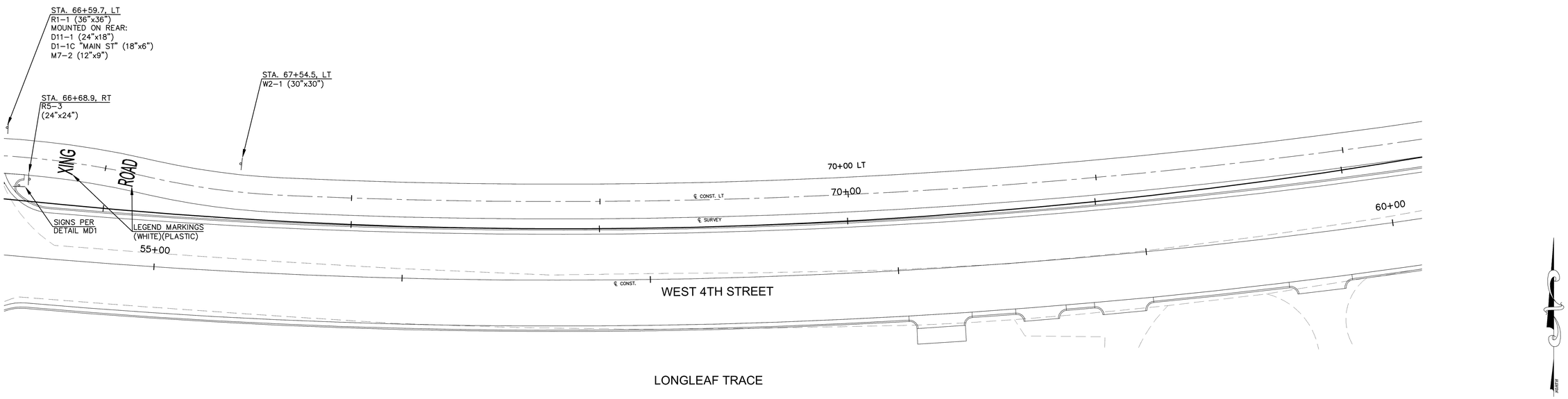
STRIPING AND SIGNAGE PLAN

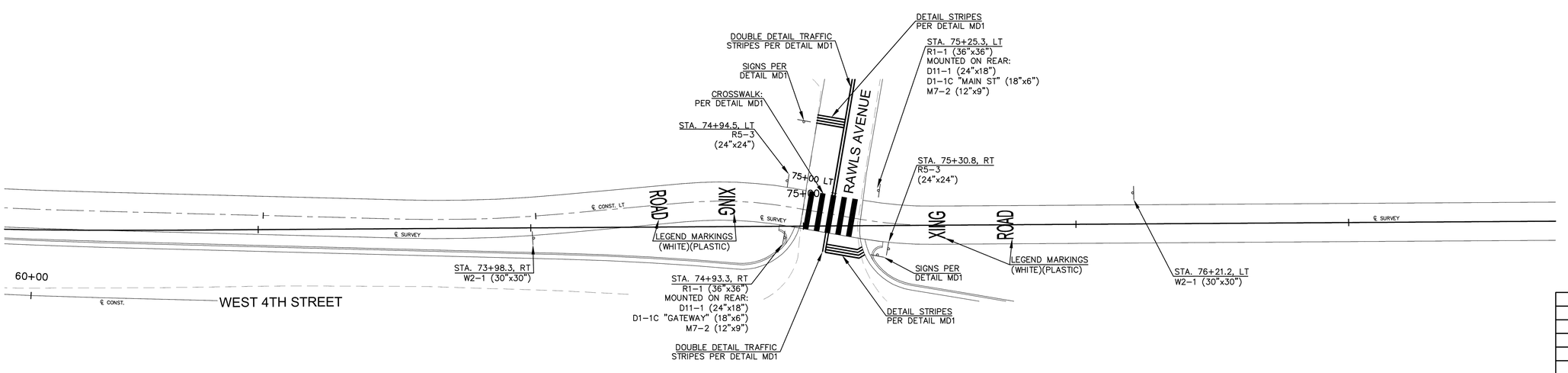
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP5	
Drawing No.: 12932.001C	Sheet No. 52	

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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
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NO.	DATE	DESCRIPTION	BY

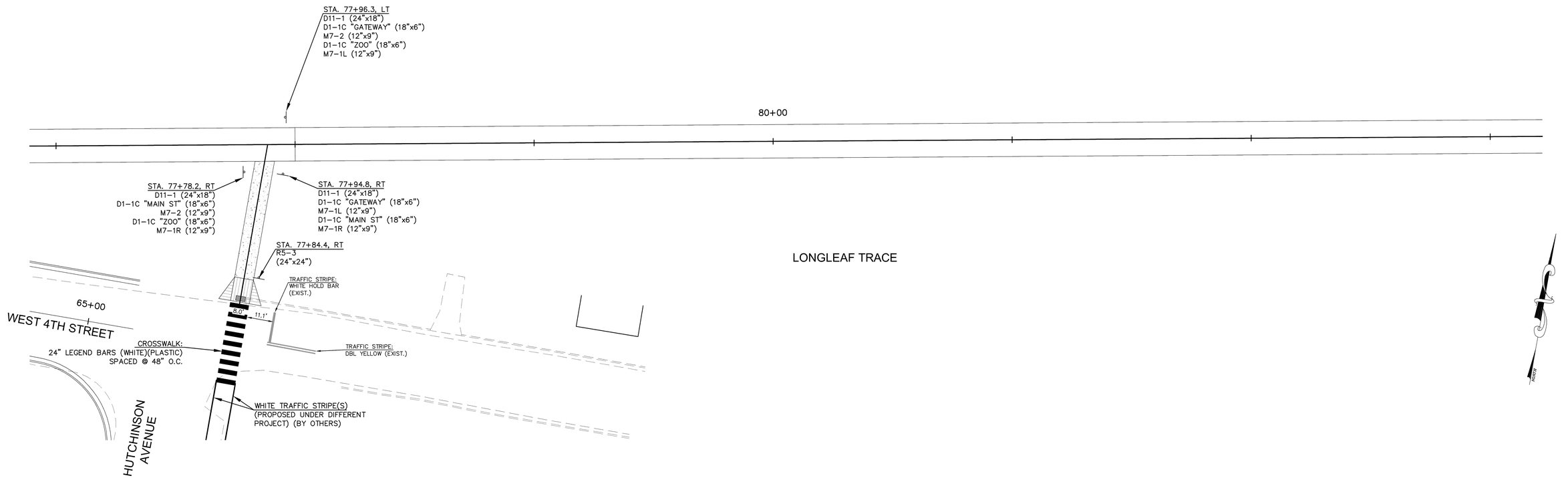
STRIPING AND SIGNAGE PLAN

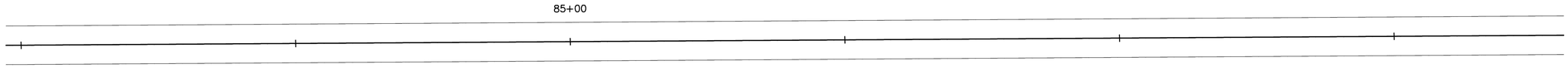
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP6	
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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
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NO.	DATE	DESCRIPTION	BY

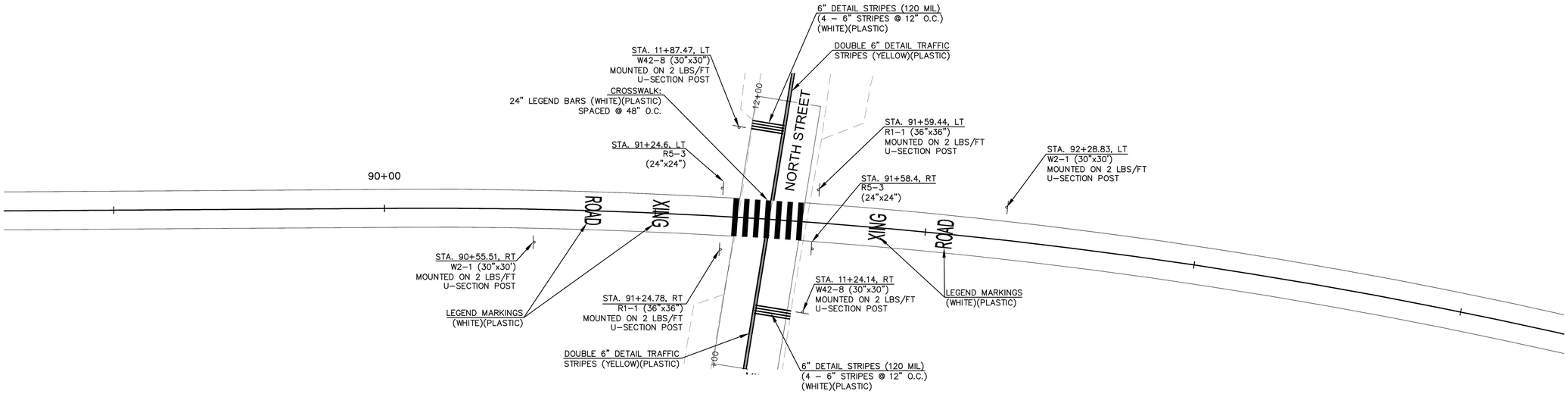
STRIPING AND SIGNAGE PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

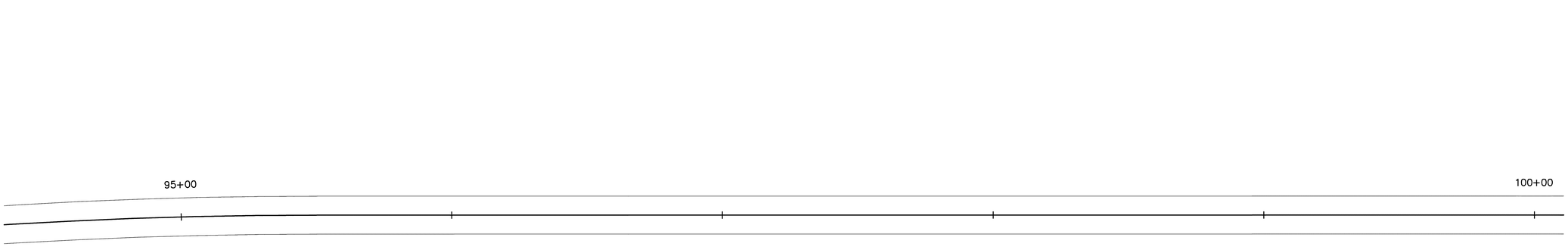
SHOWS, DEARMAN & WAITS, INC.
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HATTIESBURG, MISSISSIPPI, 39401
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP7	
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LONGLEAF TRACE



LONGLEAF TRACE

NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
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NO.	DATE	DESCRIPTION	BY

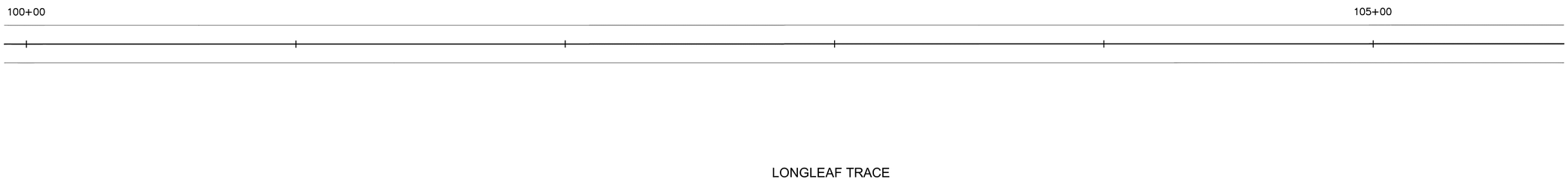
STRIPING AND SIGNAGE PLAN

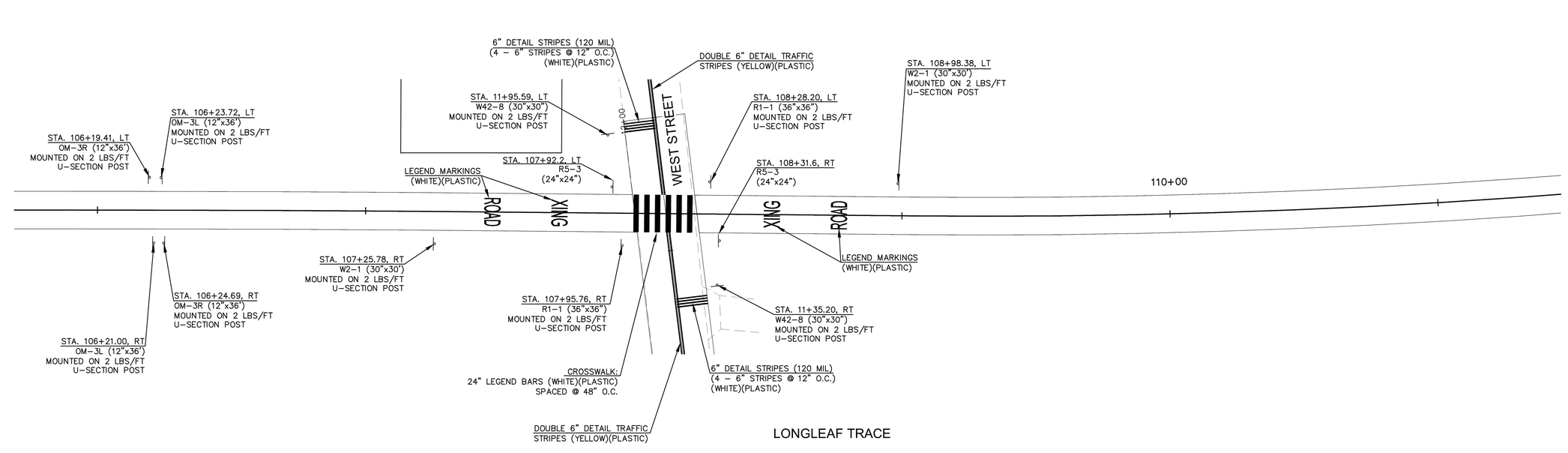
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP8	
Drawing No.: 12932.001C	Sheet No. 55	

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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
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NO.	DATE	DESCRIPTION	BY

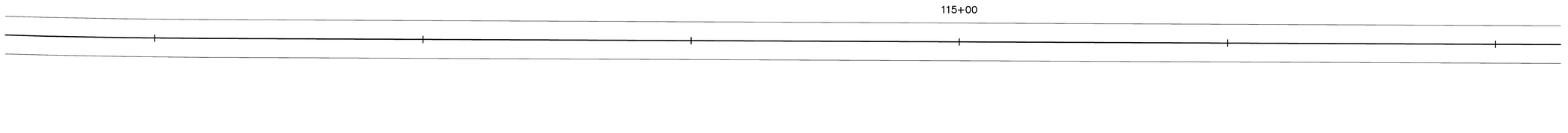
STRIPING AND SIGNAGE PLAN

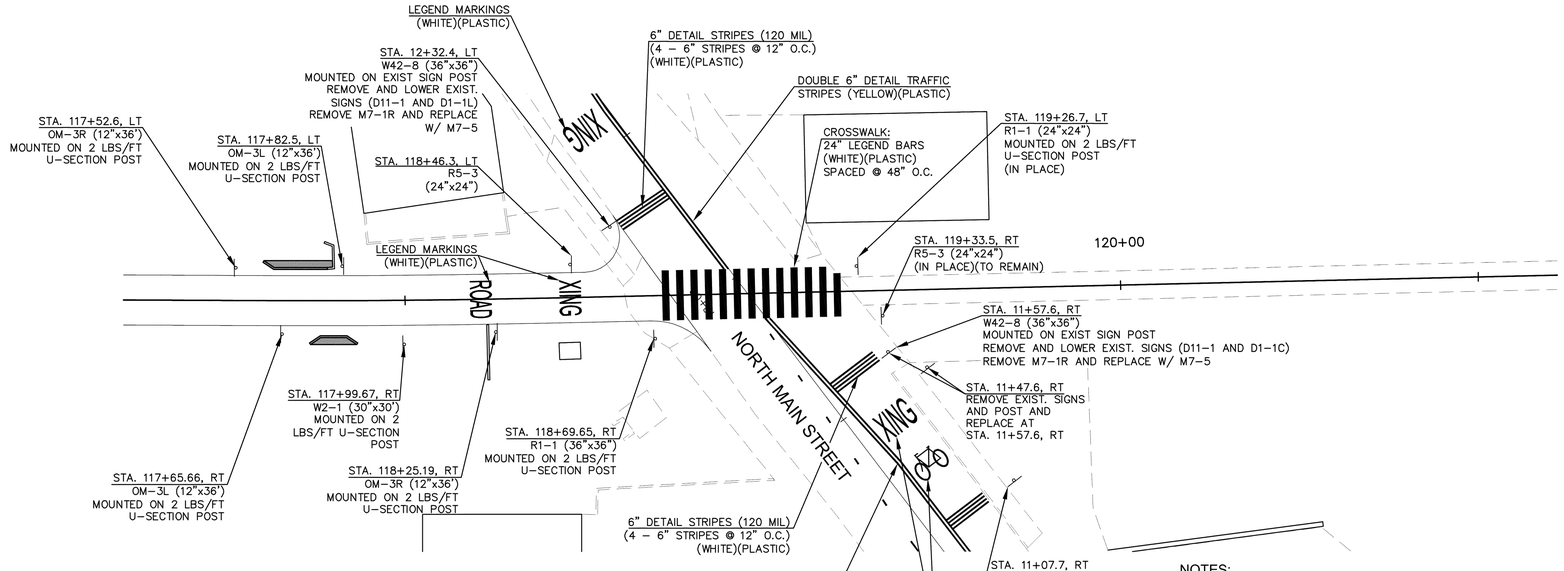
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP9	
Drawing No.: 12932.001C	Sheet No. 56	

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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
3. ALL NEW SIGNS SHALL BE MOUNTED ON 2 LBS/FT U-SECTION POSTS PER STANDARD DETAILS.
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NO.	DATE	DESCRIPTION	BY

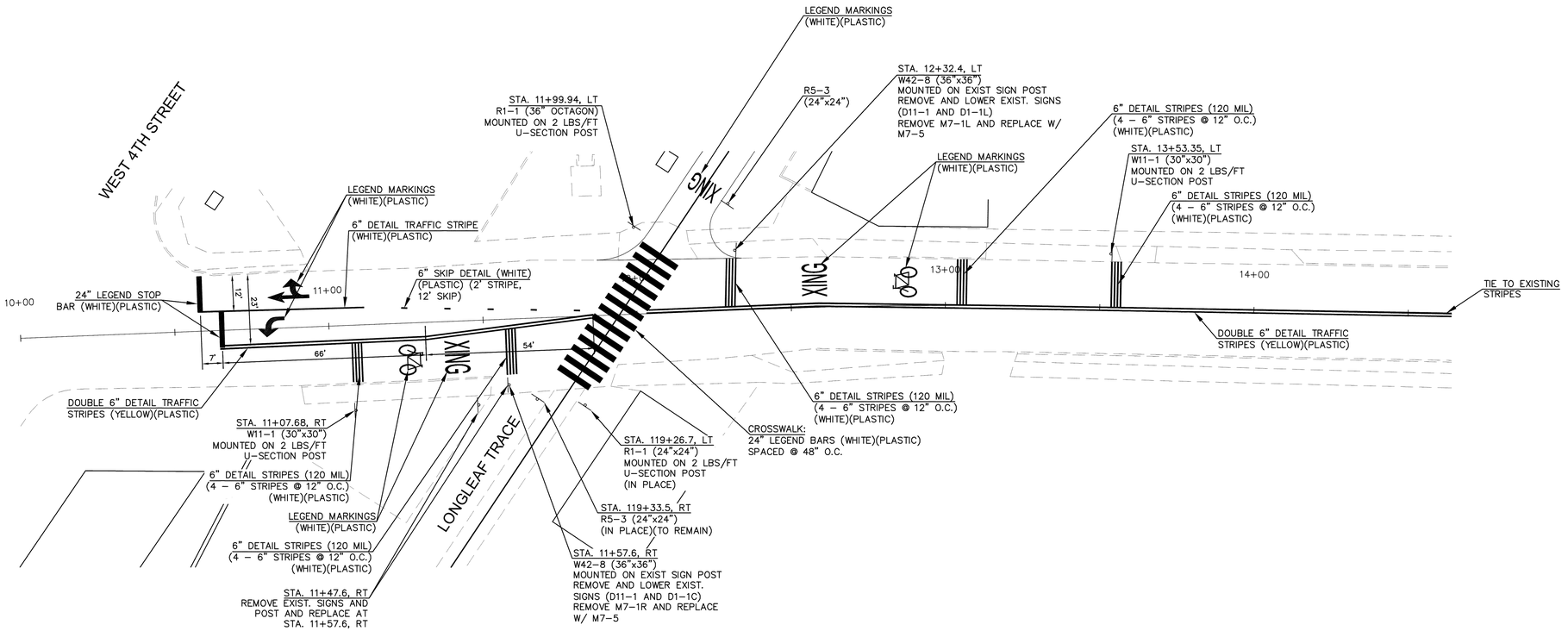
STRIPING AND SIGNAGE PLAN

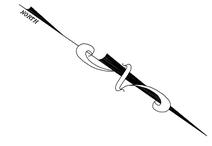
LONGLEAF TRACE – PHASE III
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FORREST COUNTY, MISSISSIPPI

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301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SSP10	
Drawing No.: 12932.001C	Sheet No. 57	

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NOTES:

1. SEE DETAIL MD1 FOR TYPICAL SIDE ROAD AND DRIVEWAY CROSSING STRIPING DETAILS.
2. SEE DETAIL MD3 FOR TYPICAL LEGEND PAVEMENT MARKING DETAILS.
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NO.	DATE	DESCRIPTION	BY

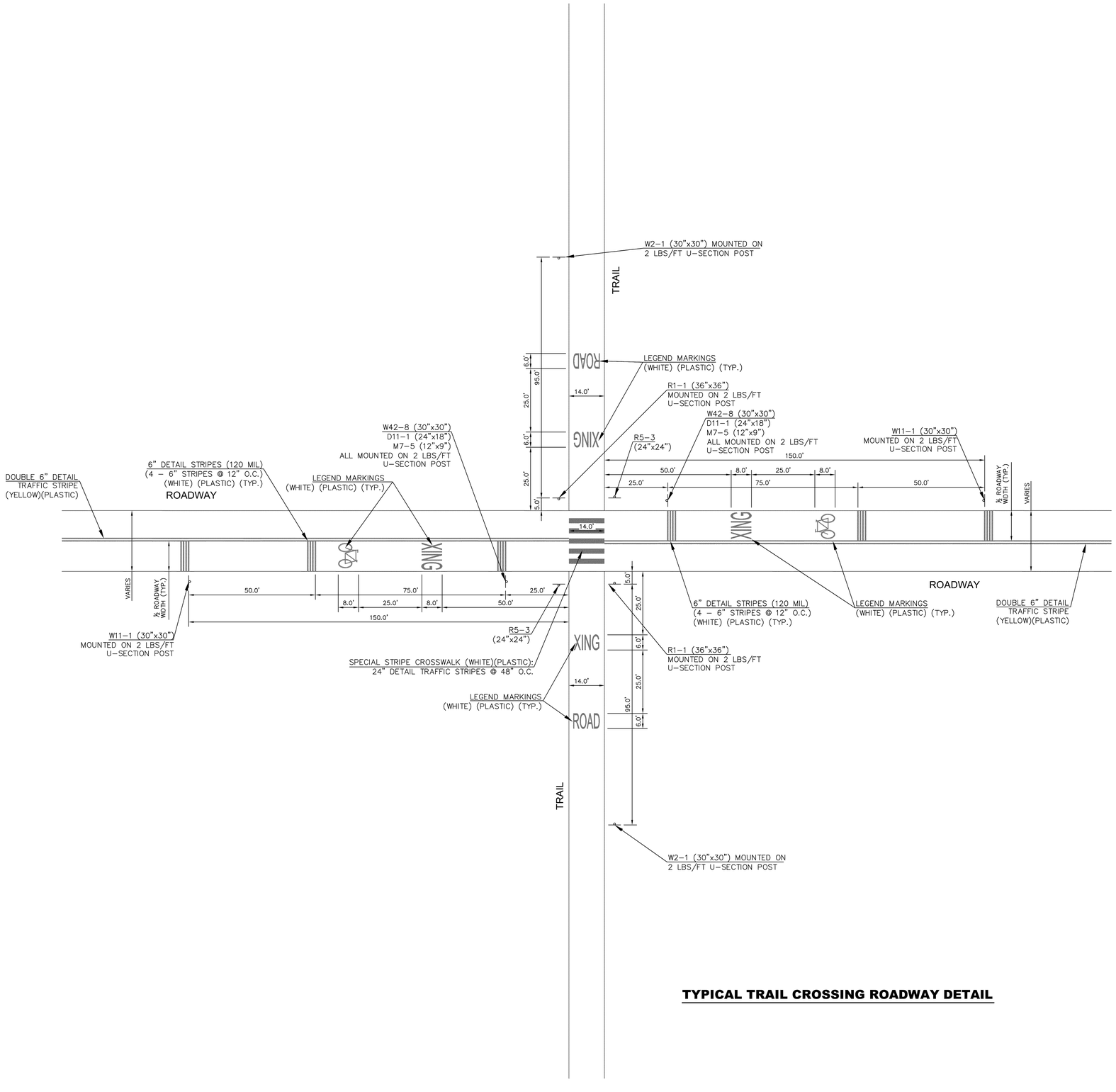
STRIPING AND SIGNAGE PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

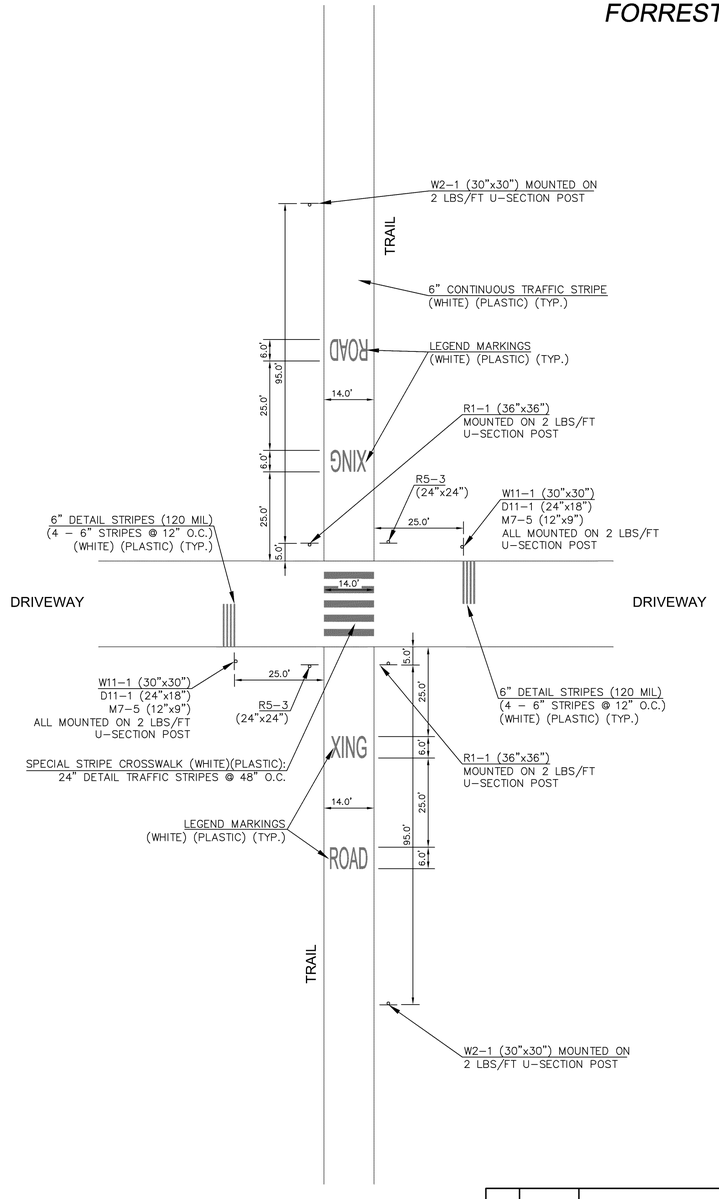
SHOWS, DEARMAN & WAITS, INC.
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301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'	
Date: AUGUST 27, 2012	Working No. SSP11		
Drawing No.: 12932.001C	Sheet No. 58		

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TYPICAL TRAIL CROSSING ROADWAY DETAIL



TYPICAL TRAIL CROSSING DRIVEWAY DETAIL

STRIPING NOTES:

1. ALL STRIPING SHOWN ON THIS DETAIL WHICH SHALL BE PLACED ON CONCRETE PAVEMENT (PER PLANS) SHALL BE THERMOPLASTIC TYPE.
2. ALL LEGEND STRIPING AND DETAIL STRIPING PAY QUANTITIES WHICH ARE PAID BY LINEAR FOOT SHALL BE PAID BASED ON 6" EQUIVALENT WIDTH.

SIGN NOTE:

ALL SIGNS SHALL BE THE SIZE NOTED ON THIS SHEET, UNLESS OTHERWISE NOTED ON PLAN SHEETS.

NO.	DATE	DESCRIPTION	BY

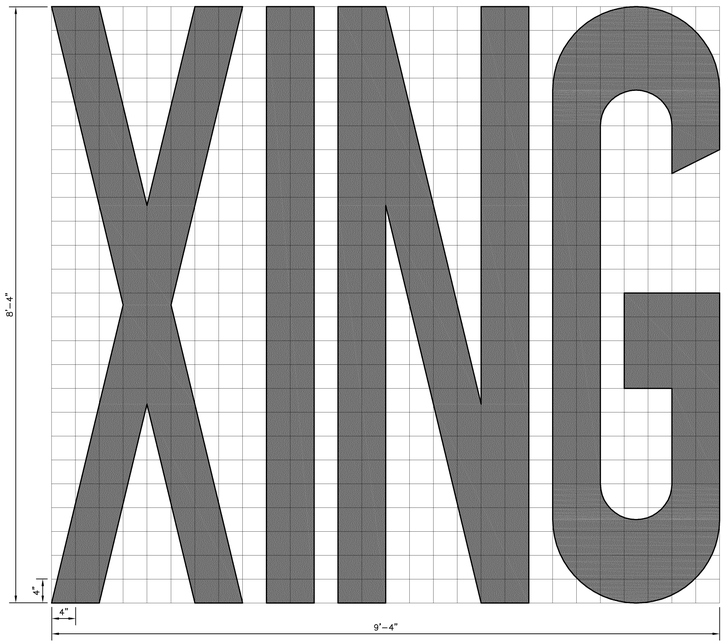
TYPICAL TRAIL MARKING DETAILS

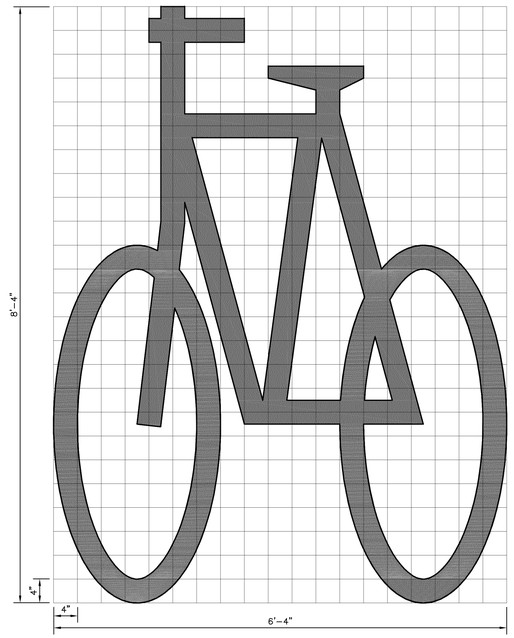
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
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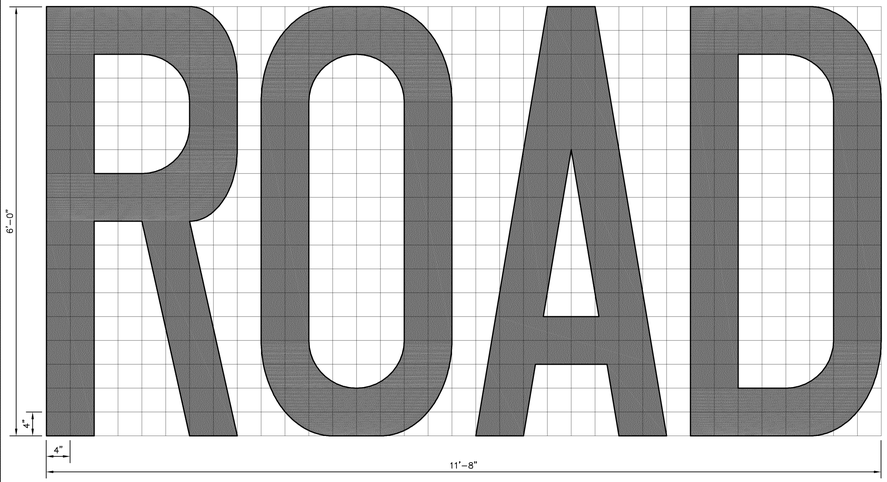
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Date: AUGUST 27, 2012	Working No. MD1	
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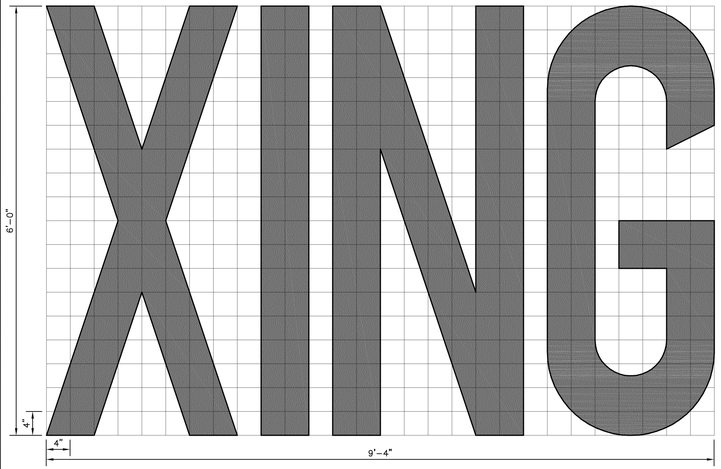
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ROADWAY LEGEND DETAILS





TRAIL LEGEND DETAILS

MARKING NOTES:

1. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL PAVEMENT MARKINGS LEGEND SHALL BE APPLIED USING HIGH PERFORMANCE MATERIALS.
2. TWO HORIZONTAL GAPS (CAUSED BY THE TEMPLATE CONNECTORS) OF 1½" OR LESS AND EXTENDING THE FULL WIDTH ARE PERMITTED IN EACH LETTER.
3. FOR OTHER DETAILS SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION)
4. PAY QUANTITIES FOR PAVEMENT MARKING LEGENDS ARE AS SHOWN IN THE PAY QUANTITIES SCHEDULE.

PAY QUANTITIES	
ROADWAY	
LEGEND	AREA (FT^2)
XING	42.7
BIKE SMBL	14.8
TRAIL	
LEGEND	AREA (FT^2)
XING	30.4
ROAD	36.0

NO.	DATE	DESCRIPTION	BY

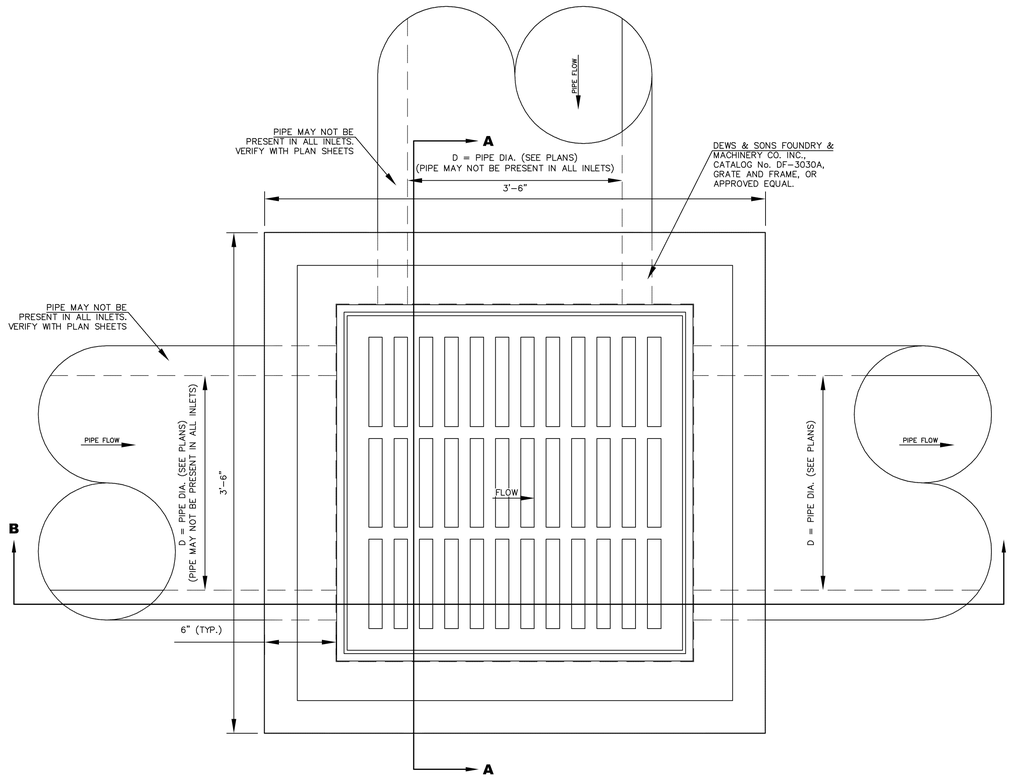
PAVEMENT MARKING DETAILS

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

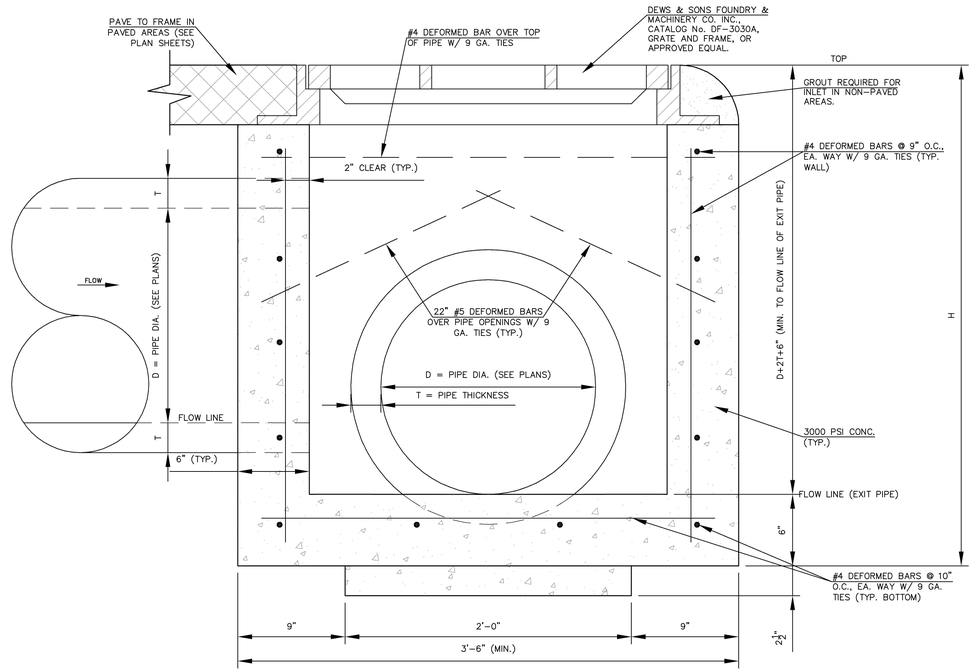
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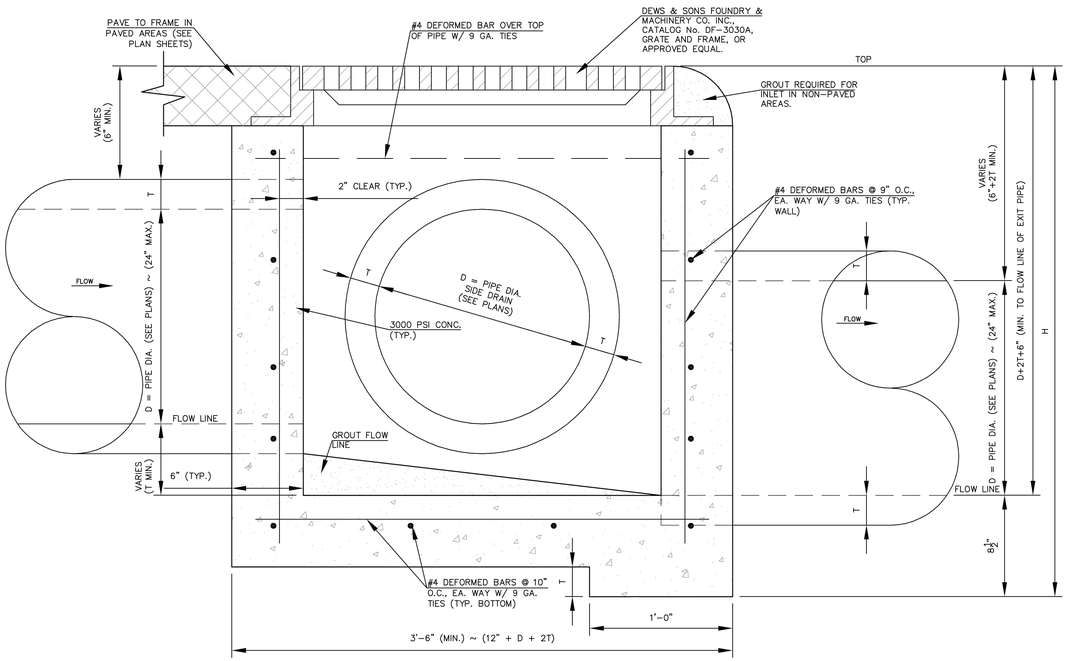
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PLAN



SECTION 'A-A'



SECTION 'B-B'

GENERAL INLET NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 1301), LATEST EDITIONS.
2. ALL NORMAL WEIGHT CONCRETE (145 P.C.F.) SHALL OBTAIN A MINIMUM 28 DAY STRENGTH OF 3000 PSI (CLASS B OR CLASS B, MINOR STRUCTURES)
3. ALL IN-SITU MATERIAL SHALL BE PROOF ROLLED PRIOR TO CONSTRUCTION. SOFT OR YIELDING AREAS SHALL BE UNDERCUT TO A DEPTH OF, NOT LESS THAN, 24 INCHES AND EXTENDED BEYOND THE PROPOSED STRUCTURE BY 12 INCHES. FILL MATERIAL SHALL BE ENGINEERED FILL (CLASS 9, GROUP C).
4. GROUT SHALL BE REQUIRED BETWEEN THE FLOW LINE AND THE INVERT TO INSURE PROPER FLOW.
5. THE STANDARD SPECIFICATIONS (LATEST EDITION) ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL APPLY TO ALL ITEMS ON THIS SHEET, UNLESS OTHERWISE NOTED.
6. ALL REINFORCEMENT SHOWN FOR INLET WALLS SHALL BE SPACED 2" FROM INSIDE OF WALL TO EDGE OF BARS.
7. REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM SPECIFICATION A-615, GRADE 60. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 315-80 AND 315R-80.
8. ALL REINFORCING SHALL BE BOUND TOGETHER BY 9 GAUGE TIES.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF EACH INLET FOR WRITTEN APPROVAL, BY THE ENGINEER, PRIOR TO CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY

SPECIAL DESIGN INLET DETAILS

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

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TABLE 1:

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN CROSS-DRAIN AND STORM-DRAIN APPLICATIONS
A. Bedding shall be Class B in accordance with Subsection 603.03.2 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
B. Backfill material shall be one of the following:
1. Flowable Fill in accordance with Section 631 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
2. Crushed Stone Aggregate Backfill in accordance with Subsection 703.04.03 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
If Backfill material 1 is utilized, care shall be taken to prevent "floating" of pipe.
The cost of furnishing and placing the required bedding and backfill material indicated in A & B shall be included in the unit cost of the non-rigid pipe alternate, i e , there will be no separate pay item for non-rigid pipe bedding and backfill material.

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN SIDEDRAIN APPLICATIONS
A. Bedding shall be Class C in accordance with Subsection 603.03.2 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
B. Backfill material shall be in accordance with Subsection 203.03.8.6 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition. Pipes that serve as a side-drain on Departmental ROW, but travel under a county or local road shall adhere to the bedding and backfill requirements for a cross-drain contained above.
The cost of furnishing and placing the required bedding and backfill material indicated in A & B shall be included in the unit cost of the non-rigid pipe alternate, i.e. there will be no separate pay item for non-rigid pipe bedding and backfill material.

TABLE 2:
HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
HEIGHT OF COVER
H-20 AND E-80 LIVE LOADS

NOMINAL DIAMETER IN. (MM)	MINIMUM COVER IN. & (MM) H-20	MINIMUM COVER IN. & (MM) E-80	MAXIMUM COVER FT. & (M)
12 (300)	12 (300)	24 (600)	50 (15.24)
15 (375)	12 (300)	24 (600)	50 (15.24)
18 (450)	12 (300)	24 (600)	45 (13.72)
24 (600)	12 (300)	24 (600)	40 (12.19)
30 (750)	12 (300)	24 (600)	40 (12.19)
36 (900)	12 (300)	24 (600)	35 (10.67)
42 (1050)	12 (300)	24 (600)	35 (10.67)
48 (1200)	12 (300)	24 (600)	30 (9.14)

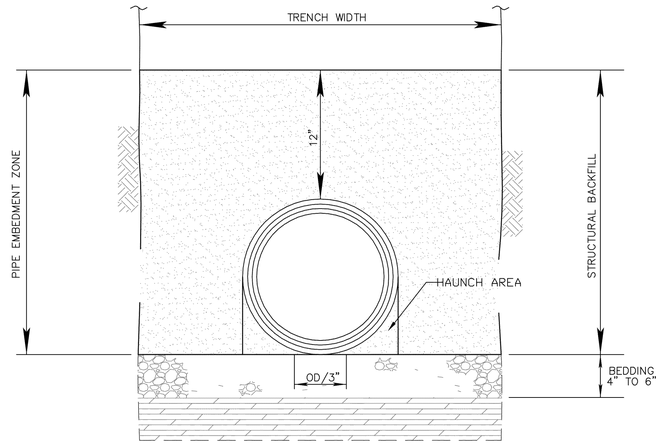
TABLE 3: RECOMMENDED TRENCH WIDTH

DIAMETER	O.D.	TRENCH WIDTH
12"	14.45"	34"
15"	17.57"	38"
18"	21.20"	44"
24"	27.80"	54"
30"	35.10"	65"
36"	41.70"	75"
42"	47.70"	84"
48"	53.60"	92"

The trench width must be wide enough to accomodate compaction equipment.

TABLE 4: MULTIPLE INSTALLATION OF POLYETHYLENE PIPES

DIAMETER OF PIPE IN. (MM)	CLEAR DISTANCES BETWEEN PIPES FT. (M)
18 (450)	1' 2" (0.36)
24 (600)	1' 5" (0.44)
30 (750)	1' 8" (0.52)
36 (900)	1' 11" (0.60)
42 (1050)	2' 2" (0.68)
48 (1200)	2' 5" (0.76)



TRENCH CROSS SECTION SHOWING TERMINOLOGY

NOTES:
1. MATERIALS
THERMOPLASTIC PIPE
POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION.
DESIGNATION OF TYPE: TYPE S: THIS PIPE WILL HAVE A FULL CIRCULAR CROSS SECTION, WITH AN OUTER CORRUGATED PIPE WALL AND A SMOOTH INNER LINER.

BEDDING MATERIAL AND STRUCTURAL BACKFILL
BEDDING AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1.

2. JOINTS
JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOILTIGHTNESS UNLESS WATERTIGHTNESS IS SPECIFIED.
SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS:
A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
B) BELL AND SPIGOT PIPE ENDS (WITH OR WITHOUT GASKETS)
C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)

3. INSTALLATION
MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 3.
THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.
A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE.
STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8 INCH LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE TO AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD DENSITY PER AASHTO T 99 SHALL BE ACHIEVED.
MINIMUM COVER REQUIREMENTS SHALL MEET THE REQUIREMENTS OF TABLE 2.
FOR MULTIPLE INSTALLATION OF POLYETHYLENE PIPES, A CLEAR DISTANCE BETWEEN PIPES SHALL MEET THE REQUIREMENTS OF TABLE 4.

4. CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 18.

NO.	DATE	DESCRIPTION	BY

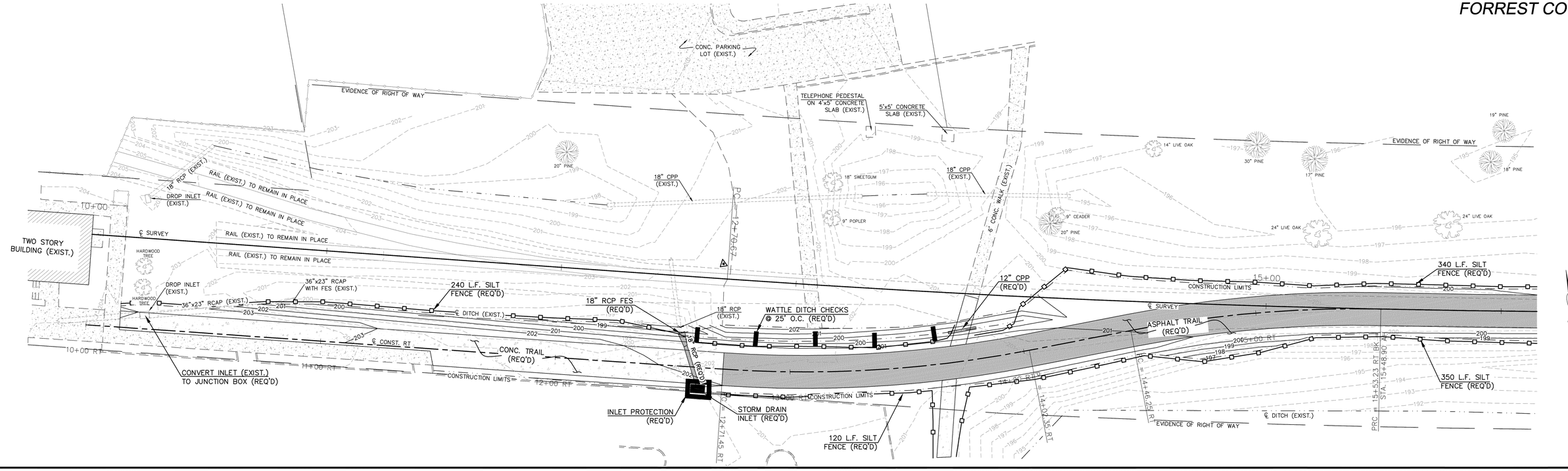
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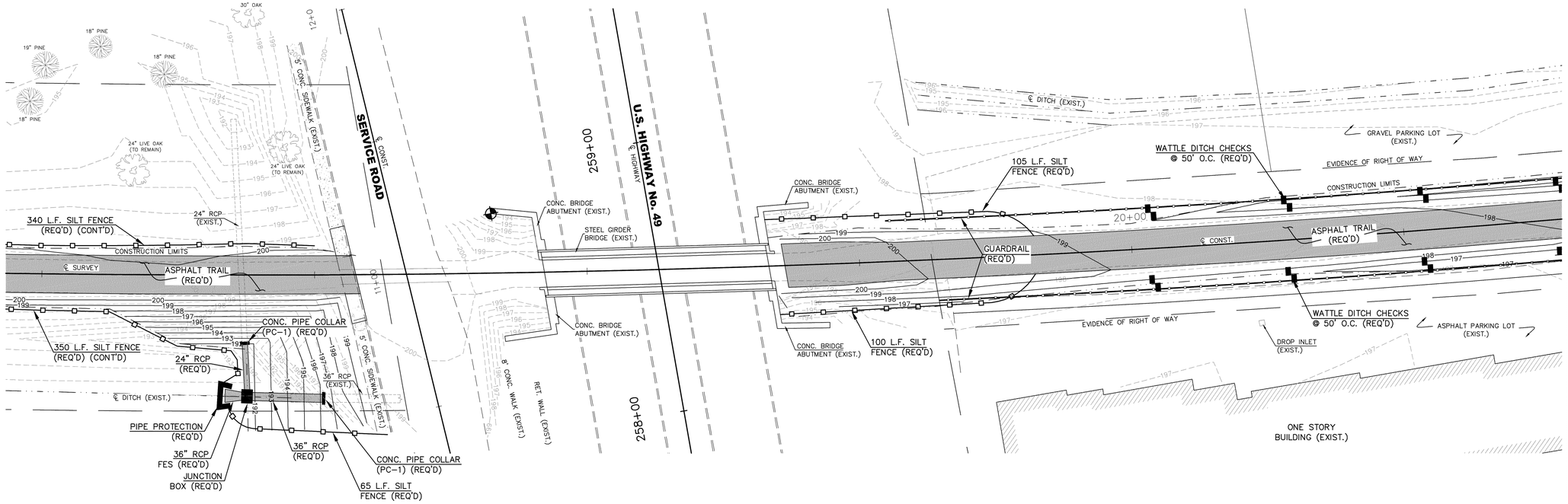
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NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.

LEGEND:

℄	– CENTERLINE
CONC.	– CONCRETE
CONT'D.	– CONTINUED
CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED
RET.	– RETAINING

NO.	DATE	DESCRIPTION	BY

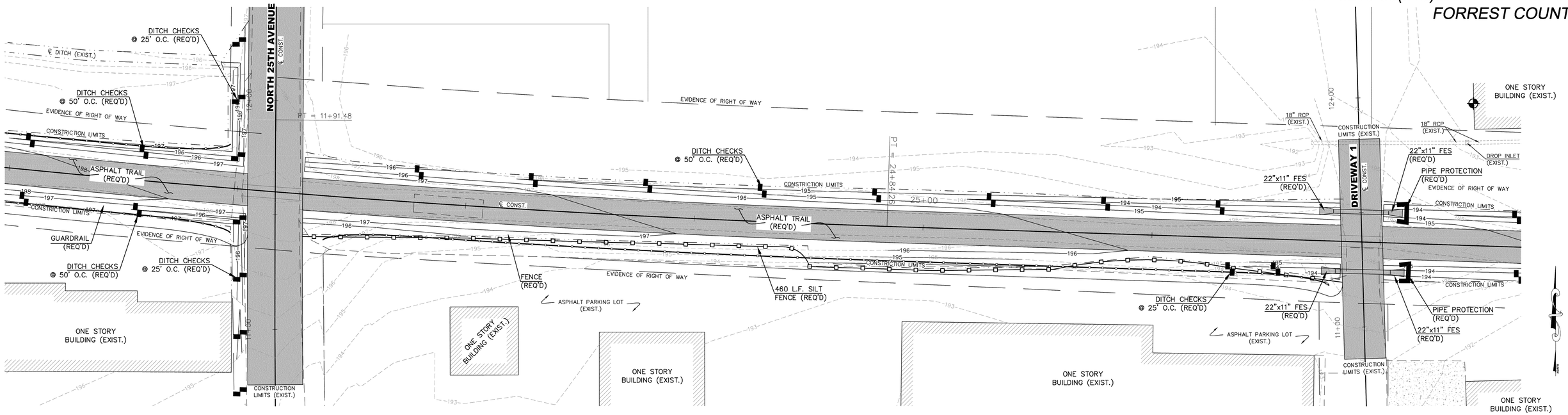
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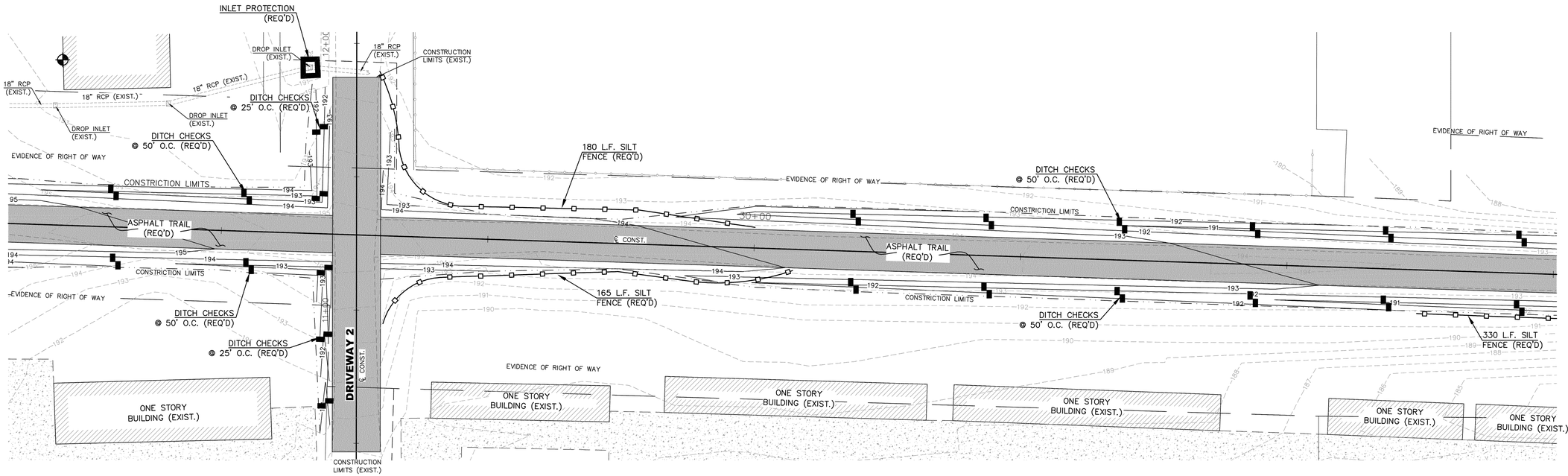
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NOTE:

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LEGEND:

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CONC.	– CONCRETE
CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

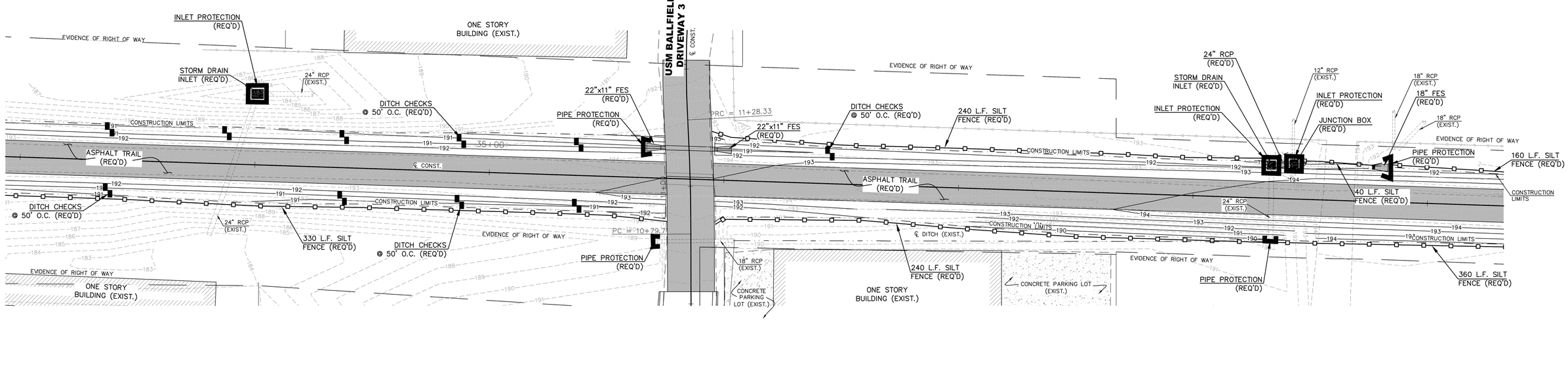
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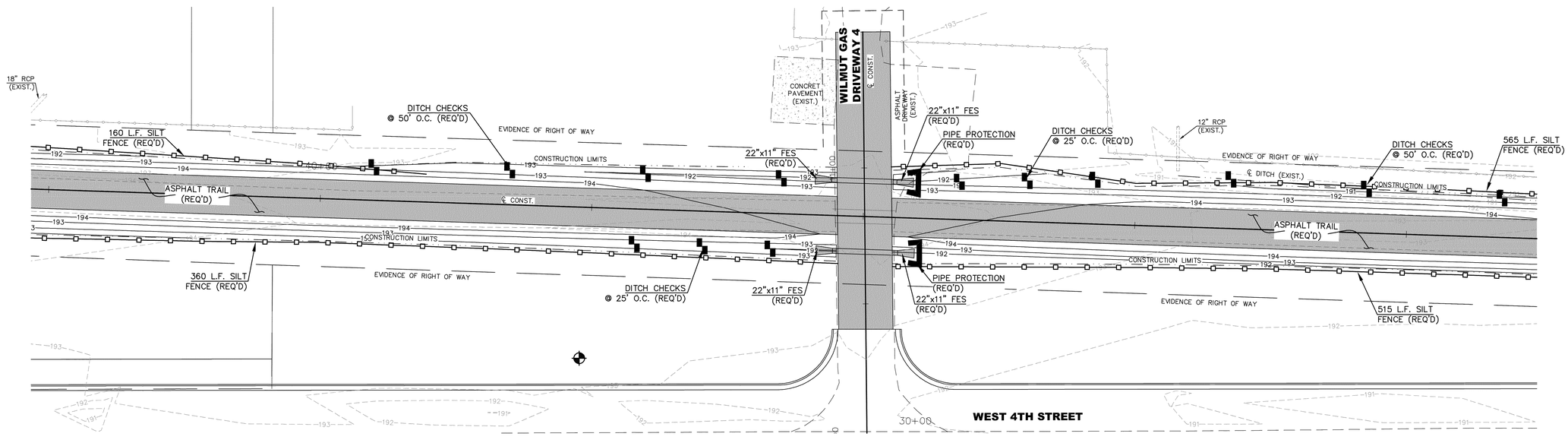
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NOTE:

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LEGEND:

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CONC.	– CONCRETE
CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

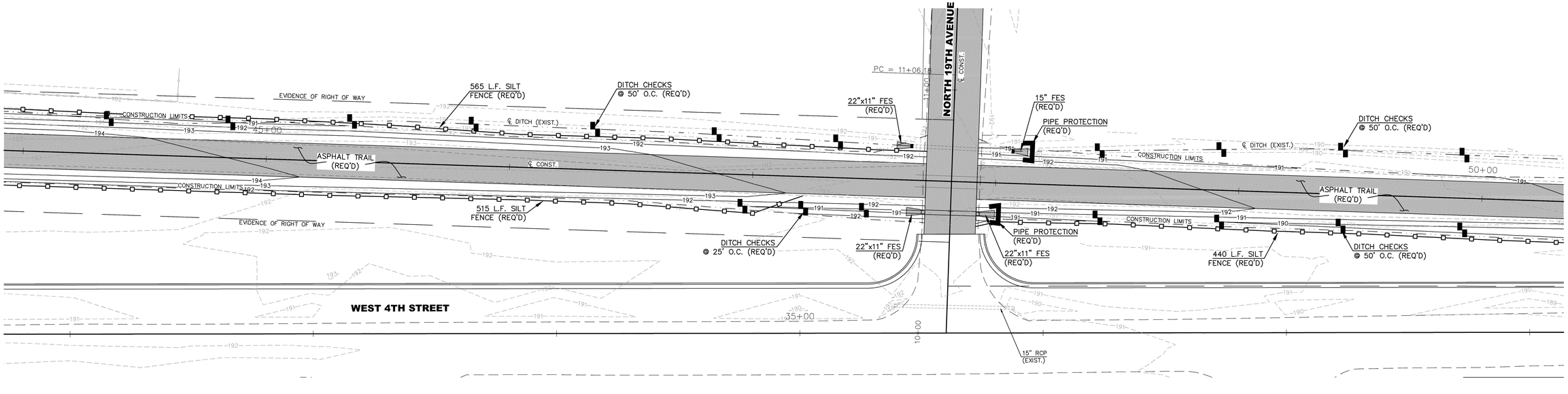
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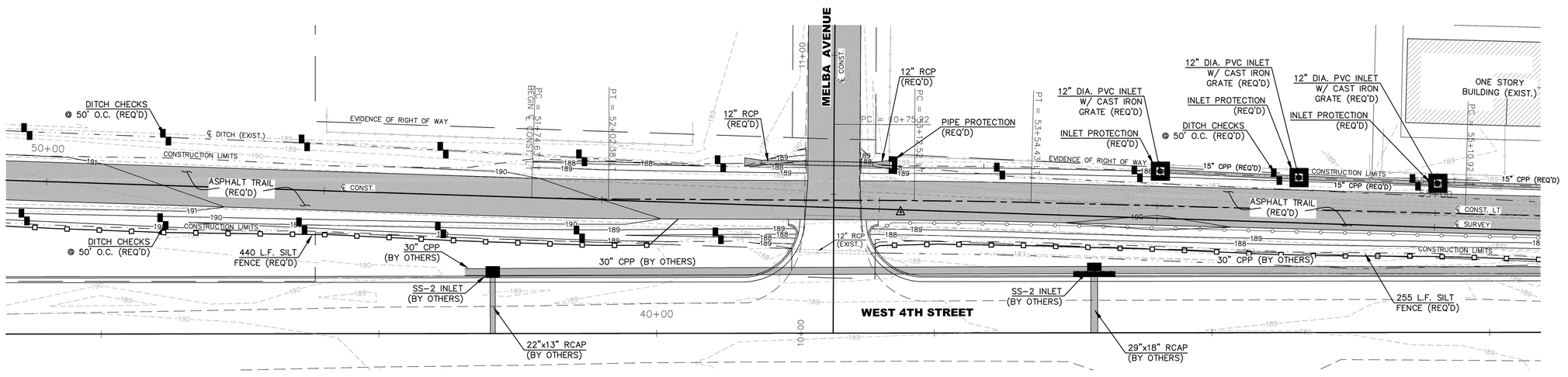
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NOTE:

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LEGEND:

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CONC.	– CONCRETE
CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCAP	– REINFORCED CONCRETE ARCH PIPE
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

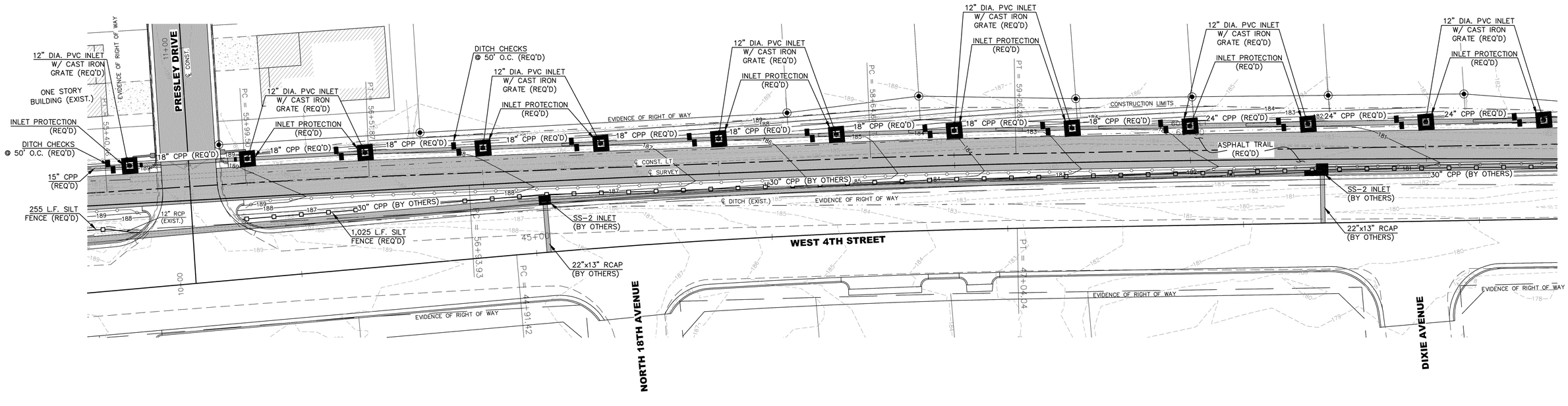
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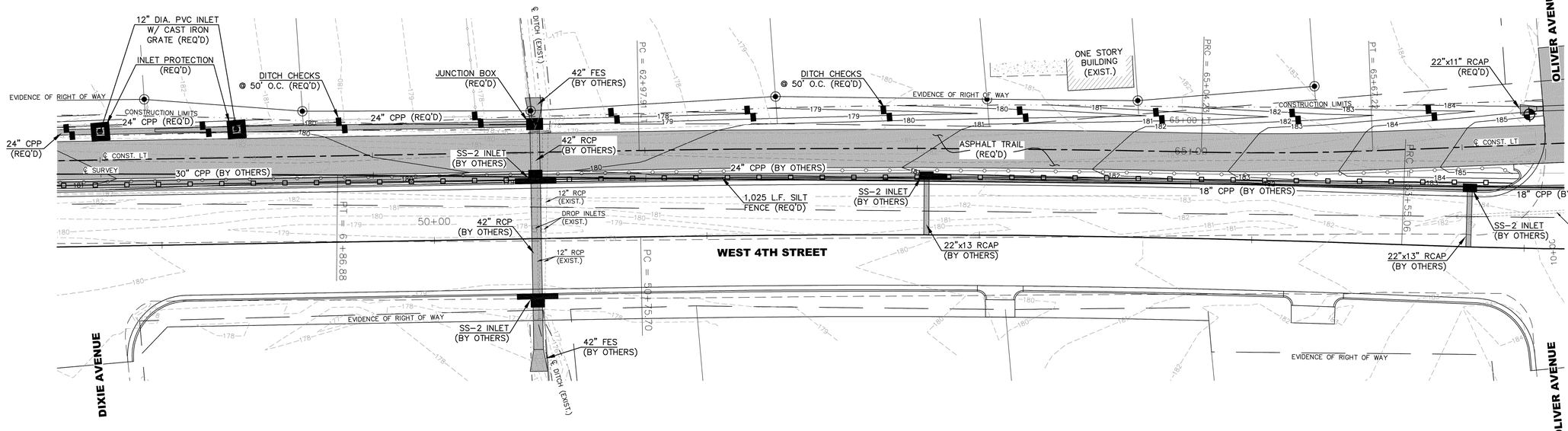
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NOTE:

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LEGEND:

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CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCAP	– REINFORCED CONCRETE ARCH PIPE
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

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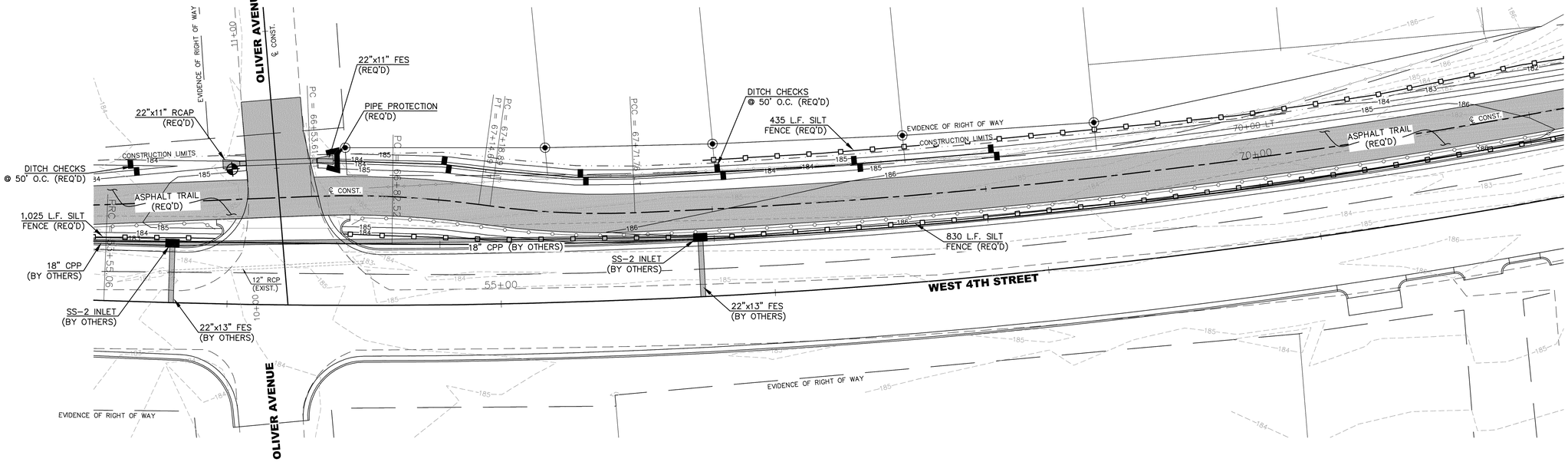
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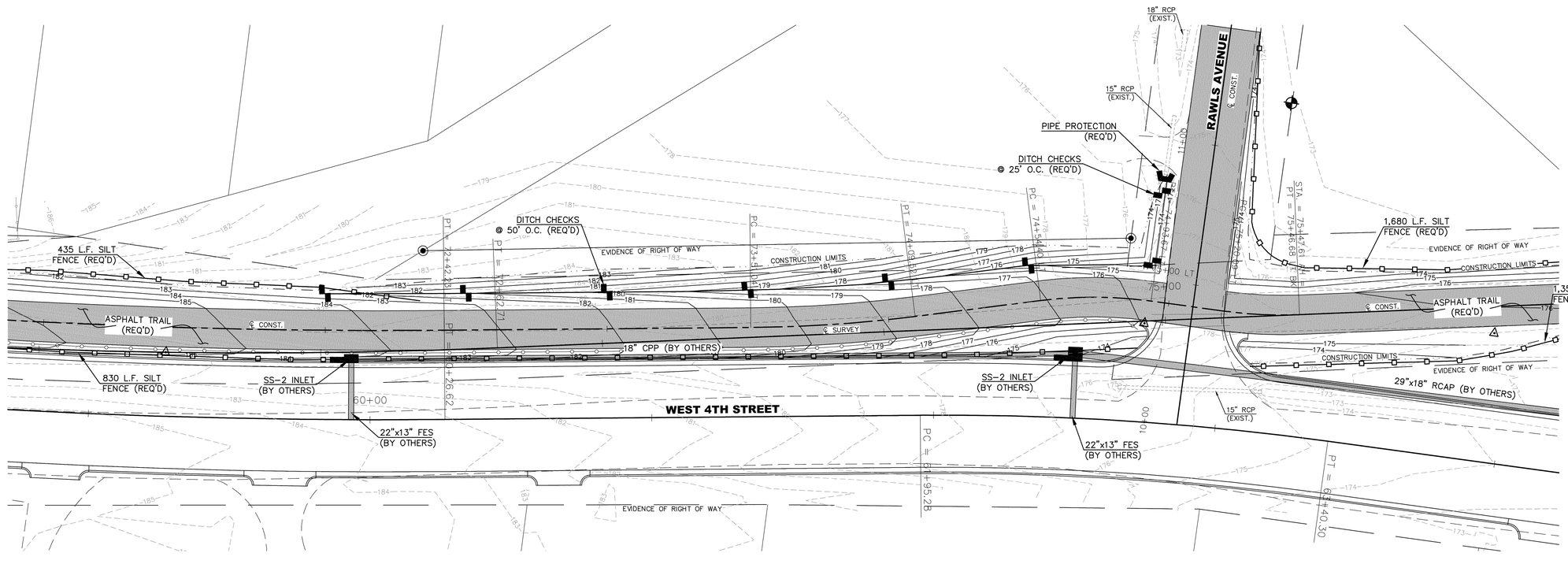
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NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.

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CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCAP	– REINFORCED CONCRETE ARCH PIPE
RCP	– REINFORCED CONCRETE PIPE
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NO.	DATE	DESCRIPTION	BY

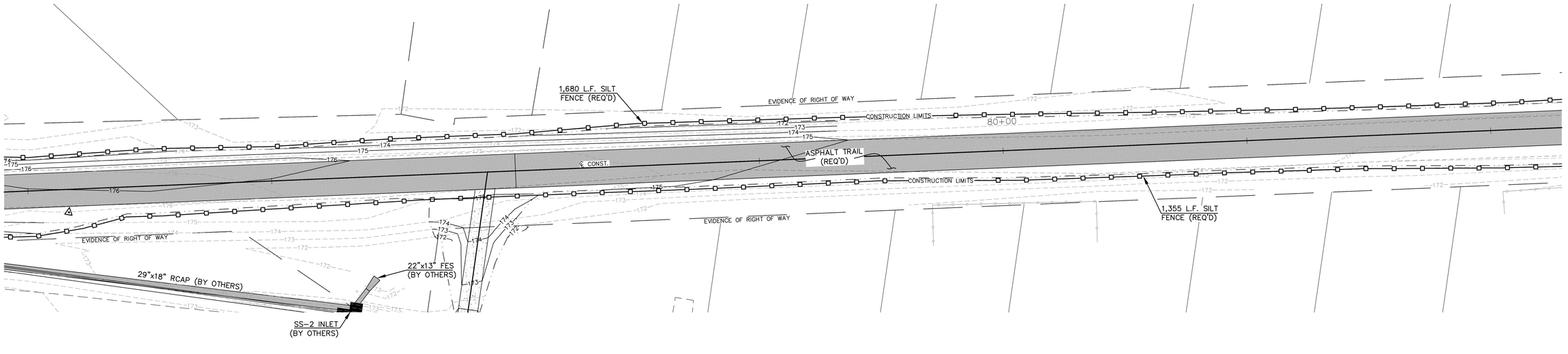
STORM WATER POLLUTION PREVENTION PLAN

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CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

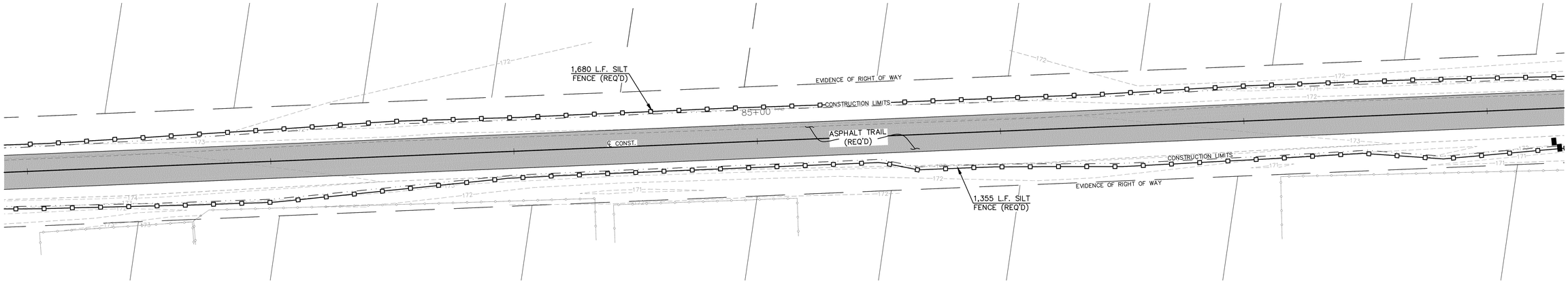
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Date: AUGUST 27, 2012	Working No. SWP6	
Drawing No.: 12932.001C	Sheet No. 68	

G:\PROJECTS\Rails to Trails\12932.001 - Longleaf Trace - Phase III\12932.001C\dwg\12932001C_swppp_sht.dwg, SWPPs, 10/7/2013 2:18:45 PM



NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.



LEGEND:

℄	– CENTERLINE
CONC.	– CONCRETE
CONST.	– CONSTRUCTION
EXIST.	– EXISTING
—200—	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
——200——	– PROPOSED CONTOURS (1' INTERVALS)
RCAP	– REINFORCED CONCRETE ARCH PIPE
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

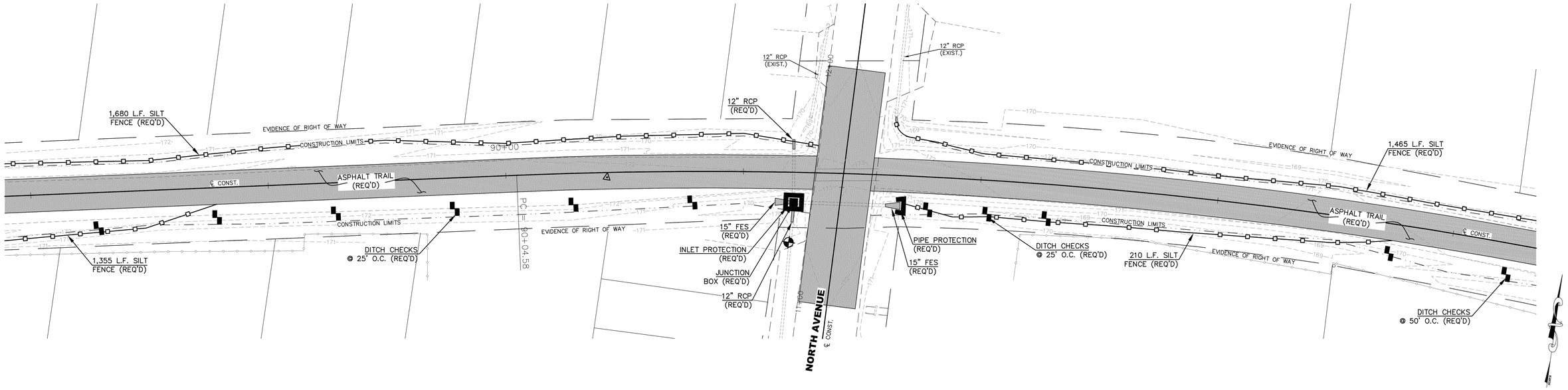
STORM WATER POLLUTION PREVENTION PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
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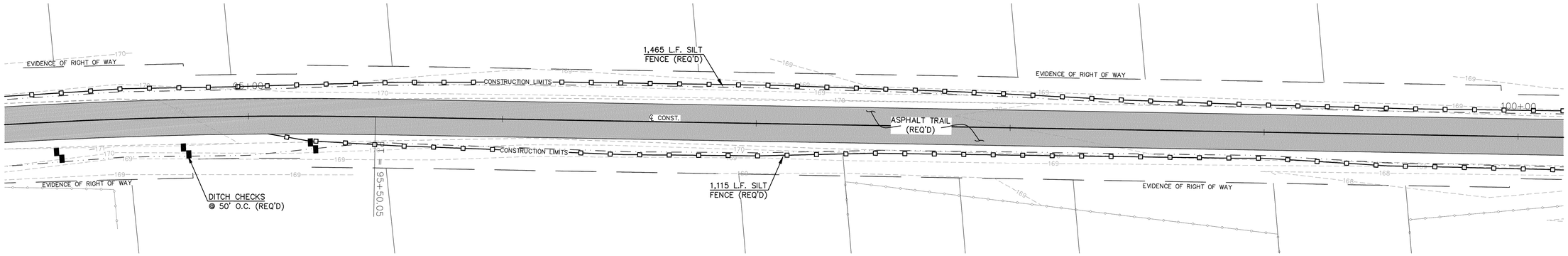
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Date: AUGUST 27, 2012	Working No. SWP7	
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NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.



LEGEND:

℄	– CENTERLINE
CONC.	– CONCRETE
CONST.	– CONSTRUCTION
EXIST.	– EXISTING
—200—	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
O.C.	– ON CENTER
——200——	– PROPOSED CONTOURS (1' INTERVALS)
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

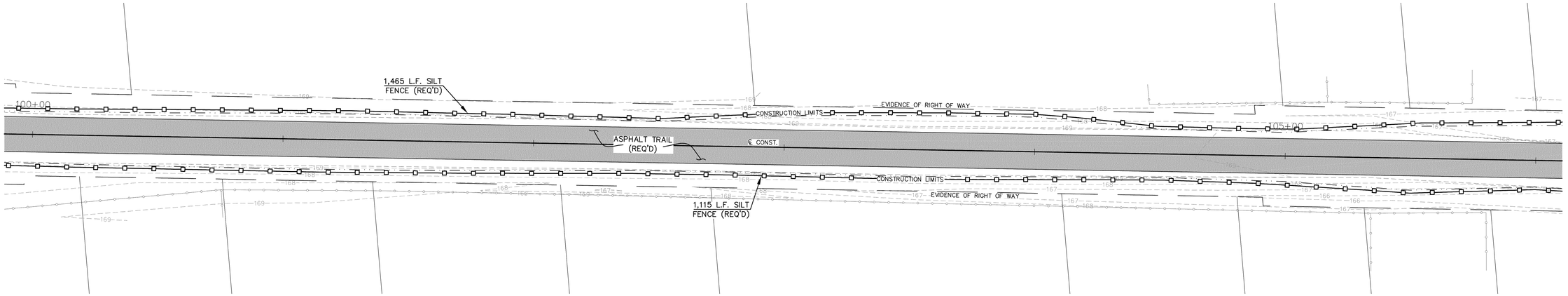
STORM WATER POLLUTION PREVENTION PLAN

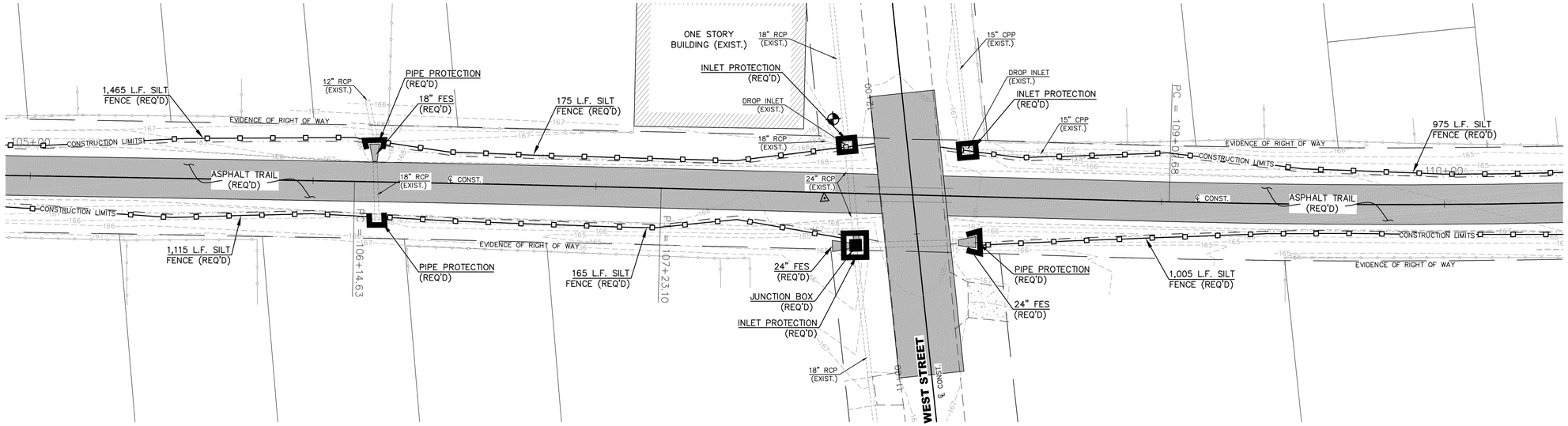
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SWP8	
Drawing No.: 12932.001C	Sheet No. 70	

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NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.

LEGEND:

℄	– CENTERLINE
CONC.	– CONCRETE
CONST.	– CONSTRUCTION
CPP	– CORRUGATED PLASTIC PIPE
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
FES	– FLARED END SECTION
L.F.	– LINEAR FEET
200	– PROPOSED CONTOURS (1' INTERVALS)
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

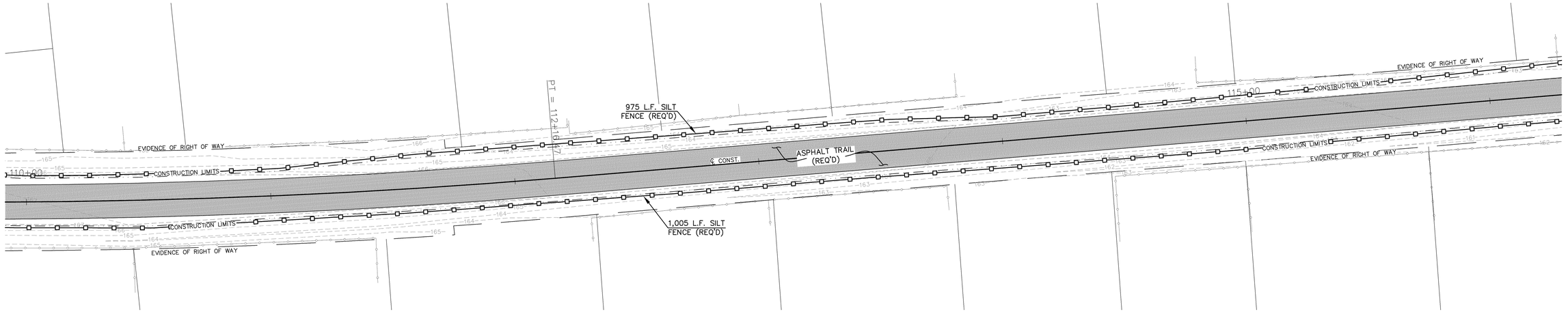
STORM WATER POLLUTION PREVENTION PLAN

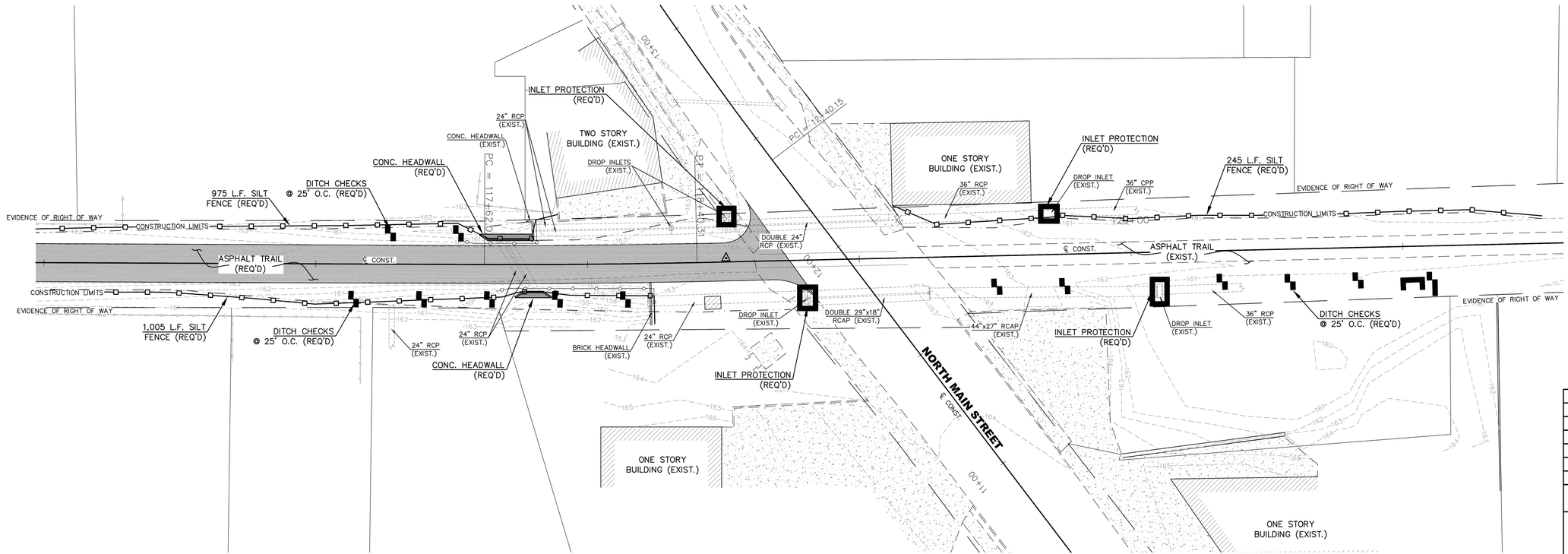
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
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SHOWS, DEARMAN & WAITS, INC.
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SWP9	
Drawing No.: 12932.001C	Sheet No. 71	

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NOTE:

ALL DITCH CHECKS SHOWN SHALL BE WATTLES AS DETAILED ON SHEET ECD-6.

LEGEND:

℄	– CENTERLINE
CONC.	– CONCRETE
CONST.	– CONSTRUCTION
EXIST.	– EXISTING
200	– EXISTING CONTOURS (1' INTERVALS)
L.F.	– LINEAR FEET
O.C.	– ON CENTER
200	– PROPOSED CONTOURS (1' INTERVALS)
RCAP	– REINFORCED CONCRETE ARCH PIPE
RCP	– REINFORCED CONCRETE PIPE
REQ'D	– REQUIRED

NO.	DATE	DESCRIPTION	BY

STORM WATER POLLUTION PREVENTION PLAN

LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
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Drawn by: RES	Checked by: KDW	Scale: 1" = 20'
Date: AUGUST 27, 2012	Working No. SWP10	
Drawing No.: 12932.001C	Sheet No. 72	

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NOTES:

1. "J-HOOK" CONFIGURATION SILT FENCE APPLICATIONS ARE TO BE USED IN CONJUNCTION WITH PERIMETER SILT FENCE WHEN STORMWATER RUNOFF IS IN TWO DIRECTIONS (DOWN A FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).

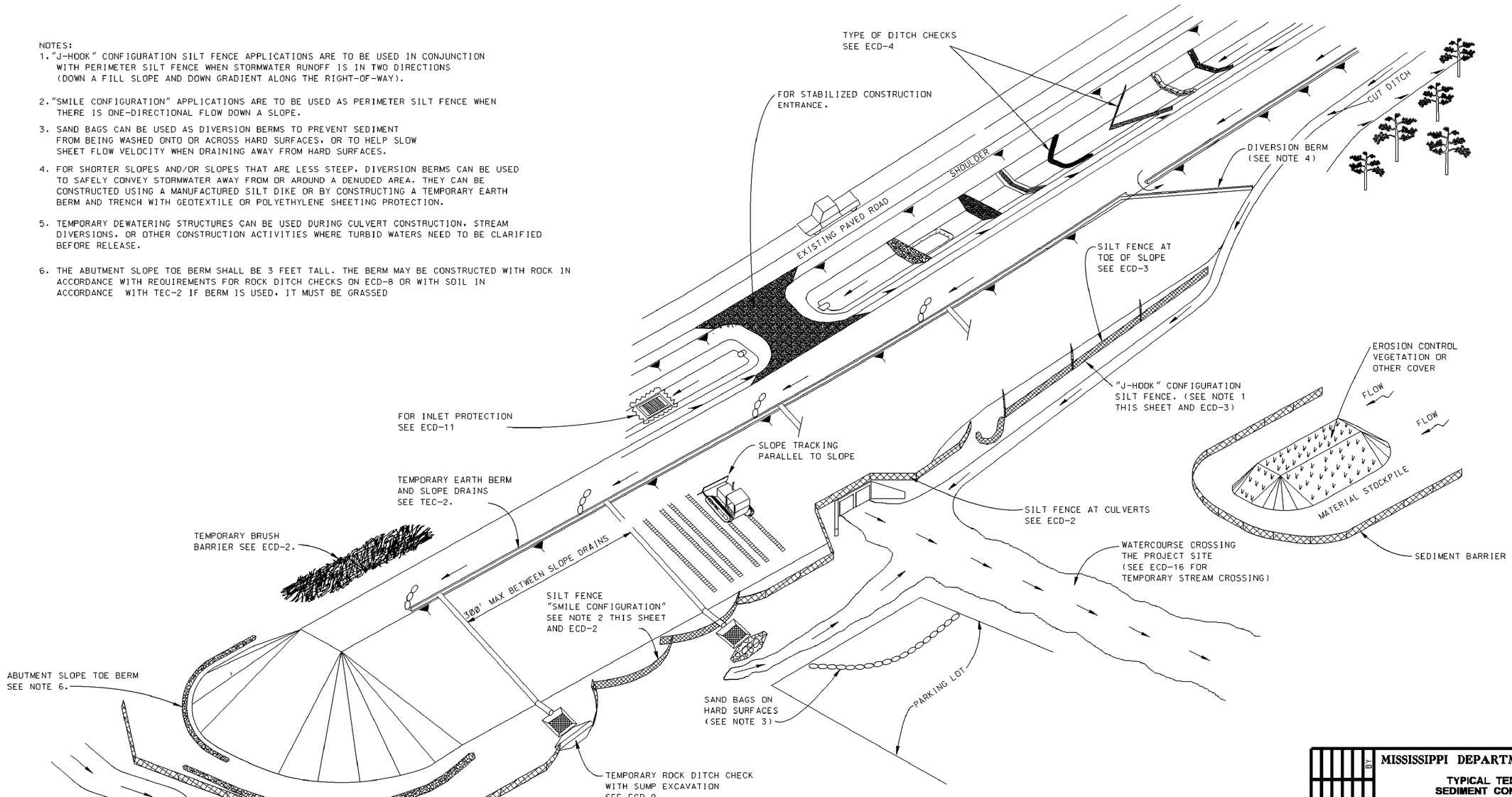
2. "SMILE CONFIGURATION" APPLICATIONS ARE TO BE USED AS PERIMETER SILT FENCE WHEN THERE IS ONE-DIRECTIONAL FLOW DOWN A SLOPE.

3. SAND BAGS CAN BE USED AS DIVERSION BERMS TO PREVENT SEDIMENT FROM BEING WASHED ONTO OR ACROSS HARD SURFACES, OR TO HELP SLOW SHEET FLOW VELOCITY WHEN DRAINING AWAY FROM HARD SURFACES.

4. FOR SHORTER SLOPES AND/OR SLOPES THAT ARE LESS STEEP, DIVERSION BERMS CAN BE USED TO SAFELY CONVEY STORMWATER AWAY FROM OR AROUND A DENUDED AREA. THEY CAN BE CONSTRUCTED USING A MANUFACTURED SILT DIKE OR BY CONSTRUCTING A TEMPORARY EARTH BERM AND TRENCH WITH GEOTEXTILE OR POLYETHYLENE SHEETING PROTECTION.

5. TEMPORARY DEWATERING STRUCTURES CAN BE USED DURING CULVERT CONSTRUCTION, STREAM DIVERSIONS, OR OTHER CONSTRUCTION ACTIVITIES WHERE TURBID WATERS NEED TO BE CLARIFIED BEFORE RELEASE.

6. THE ABUTMENT SLOPE TOE BERM SHALL BE 3 FEET TALL. THE BERM MAY BE CONSTRUCTED WITH ROCK IN ACCORDANCE WITH REQUIREMENTS FOR ROCK DITCH CHECKS ON ECD-8 OR WITH SOIL IN ACCORDANCE WITH TEC-2 IF BERM IS USED, IT MUST BE GRASSED



PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2010 12:18PM ECD-1.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

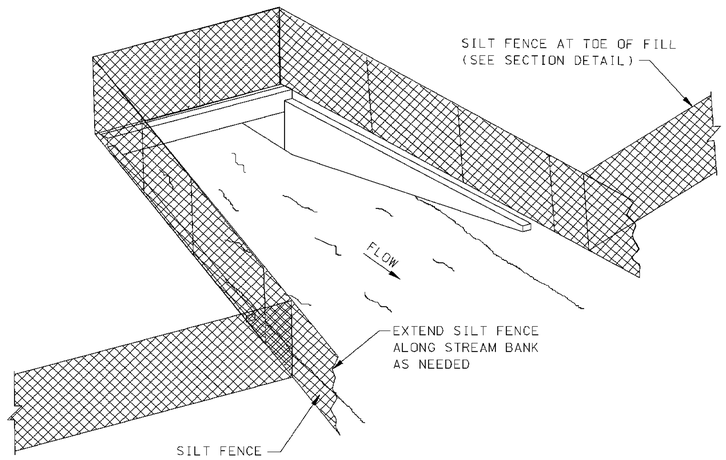
TYPICAL TEMPORARY EROSION/ SEDIMENT CONTROL APPLICATIONS

REVISION BY DATE

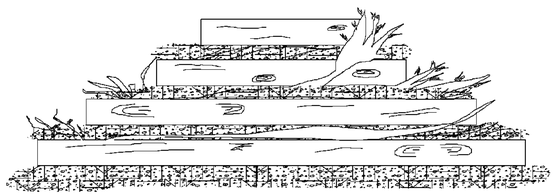
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DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER ECD-1
SHEET NUMBER 73

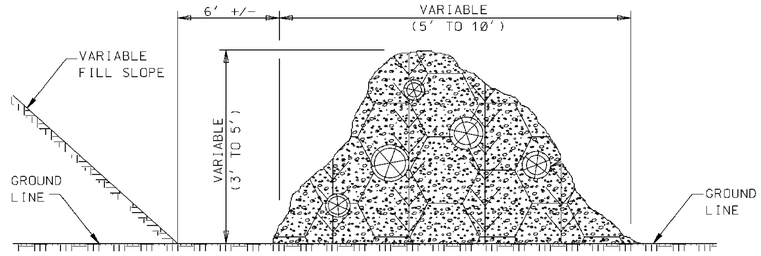
DRAWING No.: 12932.001C



SEDIMENT BARRIER AT CROSS DRAIN



FRONT ELEVATION

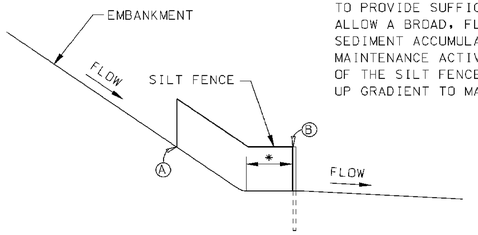


SIDE ELEVATION

TEMPORARY BRUSH BARRIER

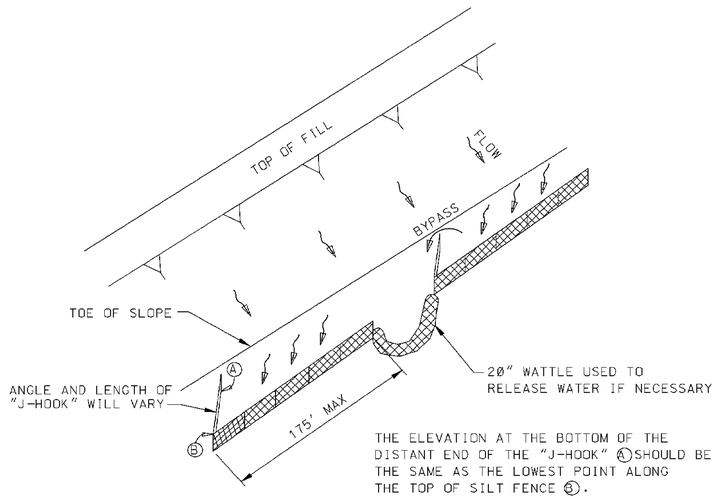
NOTES:
1. BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED OR PERMITTED BY THE ENGINEER.
3. TO ALLOW WATER TO SEEP THROUGH BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FORM A SOLID DAM.
4. THE BRUSH BARRIER MAY BE CHOKED WITH FILTER FABRIC.
5. TEMPORARY BRUSH BARRIER WILL NOT BE MEASURED FOR SEPERATE PAYMENT

NOTE:
1. ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON ECD-3

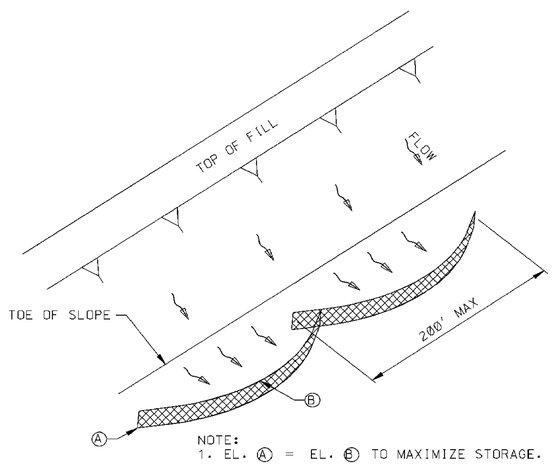


* SILT FENCE SHOULD BE LOCATED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE SUFFICIENT SPACE TO ALLOW A BROAD, FLAT AREA FOR SEDIMENT ACCUMULATION AND MAINTENANCE ACTIVITIES. THE ENDS OF THE SILT FENCE SHOULD BE TURNED UP GRADIENT TO MAXIMIZE STORAGE.

SILT FENCE SECTION AT TOE OF FILL



"J-HOOK" SILT FENCE APPLICATION



NOTE:
1. EL. (A) = EL. (B) TO MAXIMIZE STORAGE.

"SMILE-CONFIGURATION" SILT FENCE APPLICATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILS OF SEDIMENT BARRIER APPLICATIONS

WORKING NUMBER	SHEET NUMBER
ECD-2	74

FILENAME: EROSION CONTROL\ECD-2.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

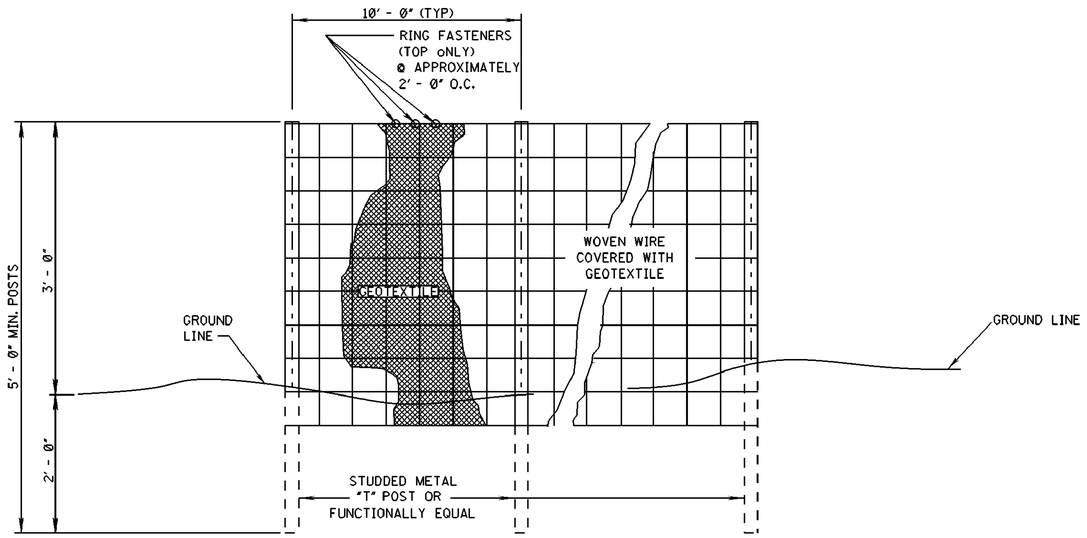
DRAWING No.: 12932.001C

REVISION BY DATE

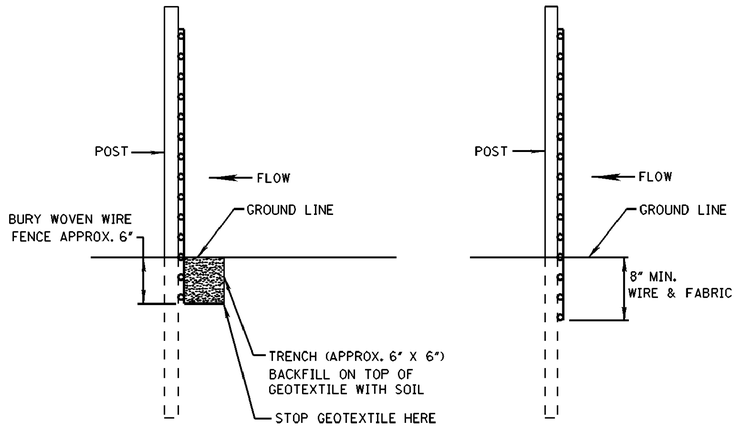
PLAN:
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/28/2010 8:54 AM ECD-2.DGN

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ELEVATION VIEW

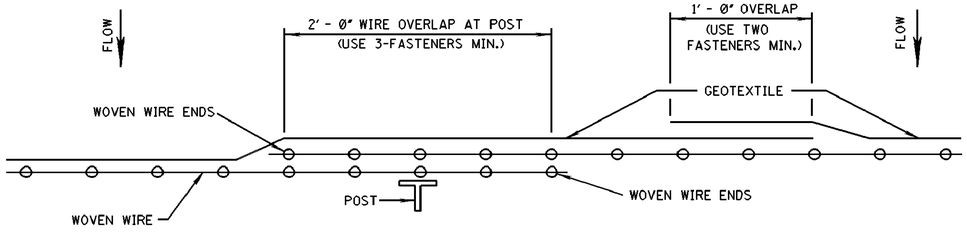


METHOD I

METHOD II
MECHANICAL INSTALLATION

SIDE VIEW

NOTES:
1. SILT FENCES SHALL BE USED IN AREAS WHERE FLOW IS NOT SEVERE.
2. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
3. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST FENCE BECOMES FULL.
4. WHEREVER POSSIBLE SILT FENCE SHALL BE CONSTRUCTED ACROSS A LEVEL AREA IN THE SHAPE OF A SMILE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
5. THE CONTRACTOR MAY ELECT TO USE EITHER METHOD I OR METHOD II. COST TO BE LINEAR FEET OF SILT FENCE.
6. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTUREED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL.
7. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
8. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATION MAY BE USED WITHOUT WIRE FENCE,



PLAN VIEW

REQUIRED LAPPING

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILS OF SILT FENCE INSTALLATION

REVISION	BY	DATE

FILENAME: EROSION CONTROL\ECD-3.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER: ECD-3
SHEET NUMBER: 75

DRAWING No.: 12932.001C

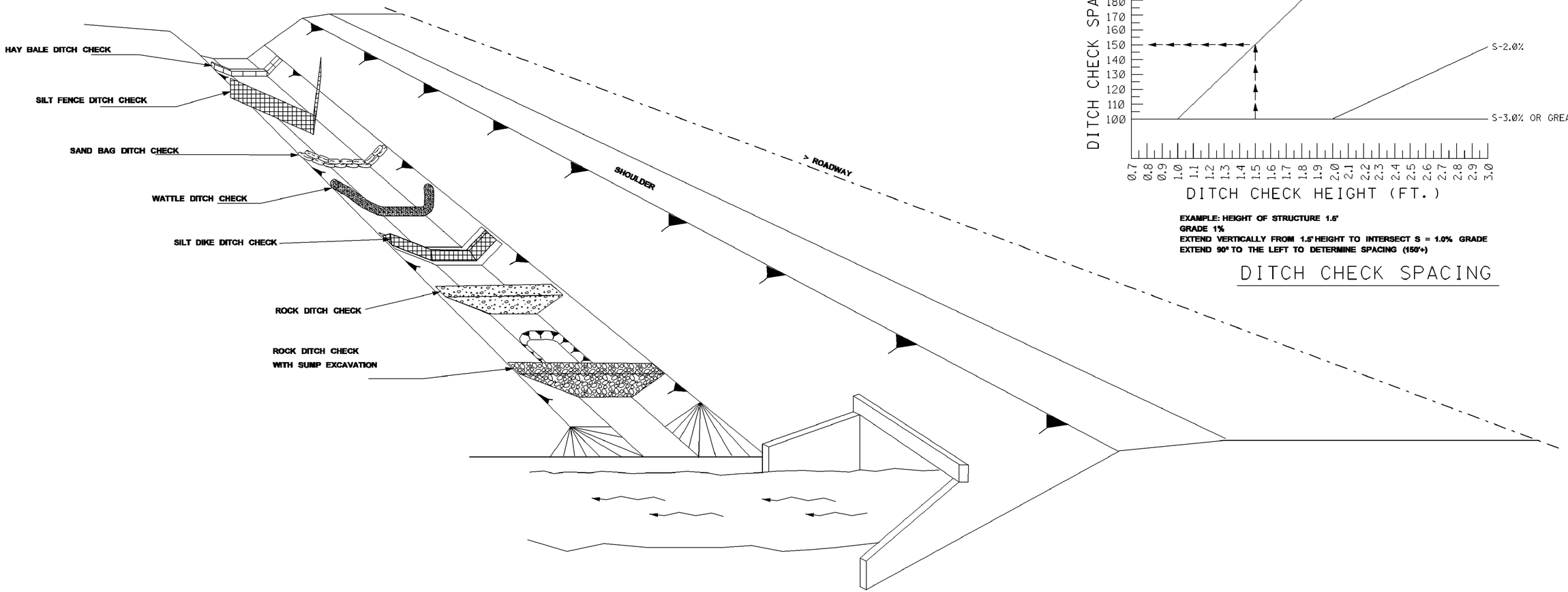
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/20/2010 8:09 AM ECD-3.DGN

HPP-0210-00(015)LPA/105214-801000
FORREST COUNTY

STATE	PROJECT NO.
MISS.	

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO



EXAMPLE: HEIGHT OF STRUCTURE 1.5'
GRADE 1%
EXTEND VERTICALLY FROM 1.5' HEIGHT TO INTERSECT S = 1.0% GRADE
EXTEND 90° TO THE LEFT TO DETERMINE SPACING (150'+)

DITCH CHECK SPACING

NOTES:

1. THE DITCH CHECK PERSPECTIVE ILLUSTRATES A TOOL BOX OF TEMPORARY PRACTICES THAT MAY BE USED. DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS.
2. SELECTION OF THE APPROPRIATE DITCH CHECK SHOULD BE A FUNCTION OF CONSTRUCTION PHASE, DRAINAGE AREA, DITCH GRADIENT, SOIL TYPE ECONOMY AND SAFETY.
3. DITCH CHECKS CAN BE REMOVED FOR MAINTENANCE AND/OR REPLACEMENT BUT MUST REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. MAINTENANCE INCLUDES REMOVAL OF SEDIMENT BEGINNING WHEN SEDIMENT ACCUMULATION REACHES 1/3 THE CAPACITY OR HEIGHT OF THE STRUCTURE AND NEVER ALLOWING FOR SEDIMENT TO ACCUMULATE MORE THAN 1/2 THE VOLUME OR HEIGHT OF THE DITCH CHECK STRUCTURE.
4. HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
5. SILT FENCE DITCH CHECKS ARE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
6. SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS.
7. WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.
8. SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED. AS CONSTRUCTION PROGRESSES.
9. ROCK DITCH CHECK WITH SUMP EXCAVATION CAN BE PLACED IN DITCHES TO ASSURE ON-SITE SEDIMENT TRAPPING REQUIREMENTS ARE MET. DITCH CHECK WITH SUMP EXCAVATION IS USED WHEN DITCHES RECEIVE DRAINAGE FROM CUT OR FILL SLOPES OR OTHER CRITICAL AREAS WHERE SOIL EROSION IS EXPECTED. DRAINAGE AREA FOR A TEMPORARY SEDIMENT TRAP SHALL NOT EXCEED 3 ACRES. THEY CAN BE USED IN SERIES TO INCREASE ON-SITE SEDIMENT TRAPPING EFFICIENCY.
10. IN GENERAL, DITCH CHECKS SHOULD NOT BE PLACED IN LIVE STREAMS.
11. CONFIGURATION AND SPACING MAY BE ADJUSTED IF APPROVED BY THE ENGINEER TO ACCOMODATE TRAVELWAY SAFETY, WATER FLOW, OR SOIL AND INSTALLATION CHALLENGES.

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DITCH CHECK STRUCTURES,
TYPICAL APPLICATIONS AND DETAILS

WORKING NUMBER
ECD-4

FILENAME: EROSION CONTROL\ECD-4.DGN

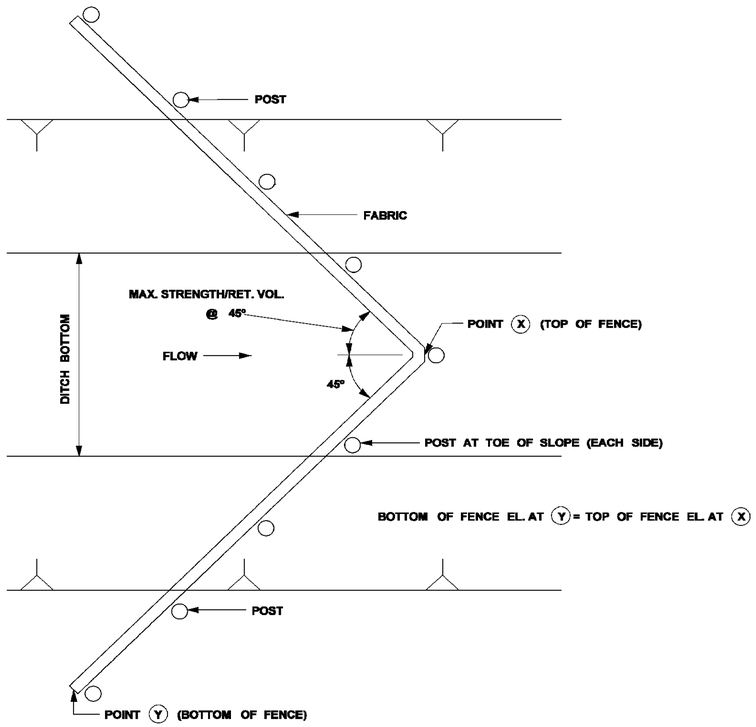
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER
76

DRAWING No.: 12932.001C

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/20/2010 8:10 AM ECD-4.DGN



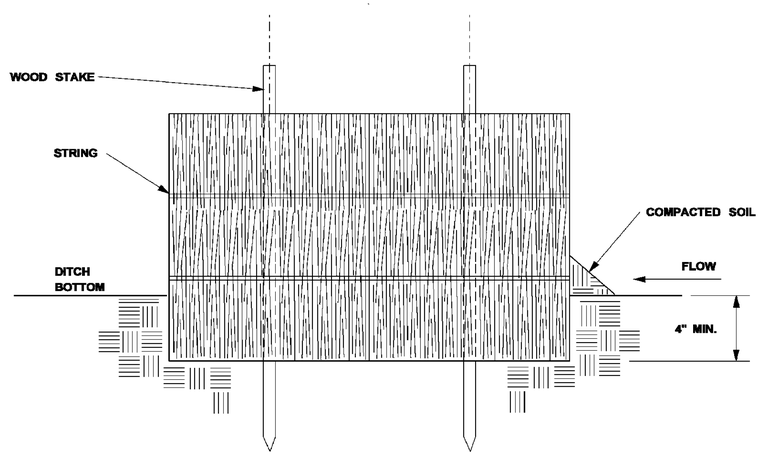
PLAN VIEW

NOTES:

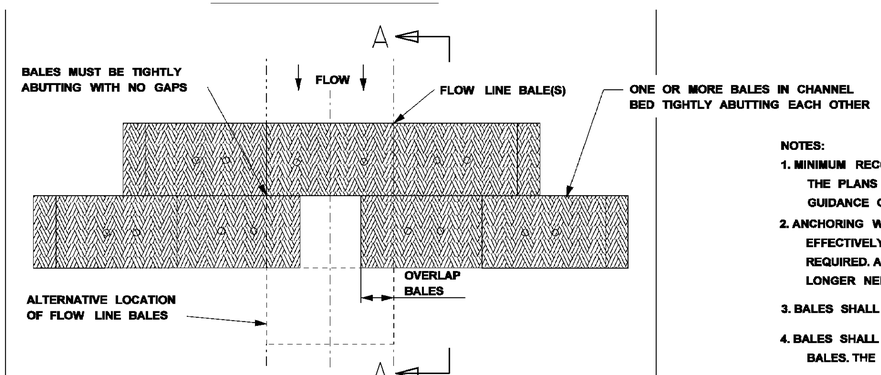
1. ANCHOR AND INSTALL PER DETAILS FOR SILT FENCE SPACING GUIDELINES ON ECD-4
2. A "W" SHAPE MAY BE USED FOR WIDER DITCHES.

SILT FENCE DITCH CHECK SELECTION GUIDELINES

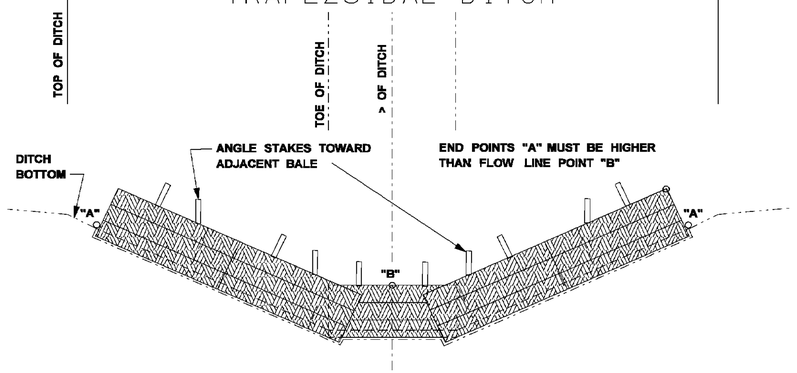
SILT FENCE DITCH CHECKS ARE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.



SECTION A-A



PLAN VIEW
TRAPEZOIDAL DITCH



PROFILE VIEW
TRAPEZOIDAL DITCH

NOTES:

1. MINIMUM RECOMMENDED CHECK SPACING IS 100 FEET UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER, SEE SPACING GUIDANCE ON ECD-4.
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. A MINIMUM OF TWO STAKES PER BALE IS REQUIRED. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. BALES SHALL BE EMBEDDED IN THE SOIL A MIN. OF 4".
4. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. THE BALES SHALL BE PLACED WITH BINDINGS PARALLEL TO THE GROUND.
5. SOIL IS COMPACTED ALONG THE BASE OF THE UPSTREAM FACE TO PREVENT PIPING.
6. MULTIPLE ADJACENT ROWS OF BALES ARE REQUIRED AS SHOWN.

HAY BALE DITCH CHECK SELECTION GUIDELINES

HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS

WORKING NUMBER: ECD-5
SHEET NUMBER: 77

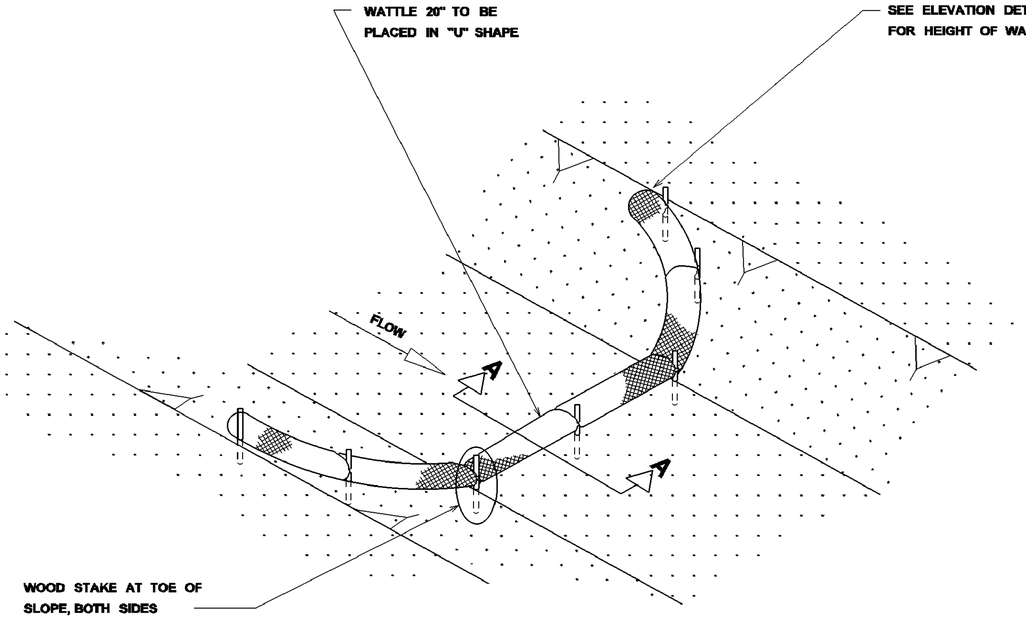
FILENAME: EROSION CONTROL\ECD-5.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

DRAWING No.: 12932.001C

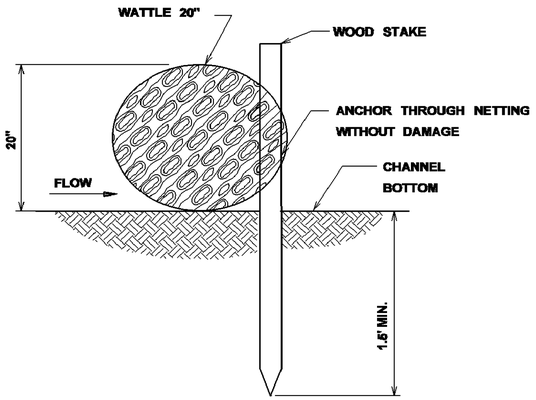
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/28/2010 8:58 AM ECD-5.DGN

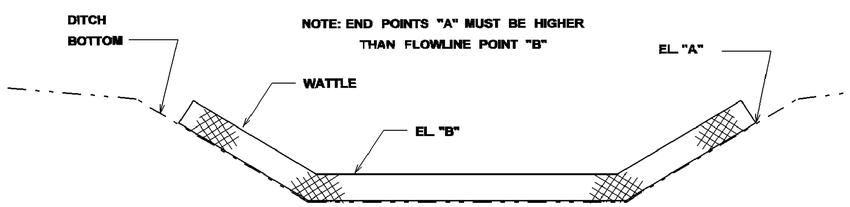
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DETAIL (DITCH CHECK)



SECTION A-A



ELEVATION DETAIL

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILS OF EROSION CONTROL
WATTLE DITCH CHECK

WORKING NUMBER ECD-6

FILENAME: EROSION CONTROL\ECD-6.DGN

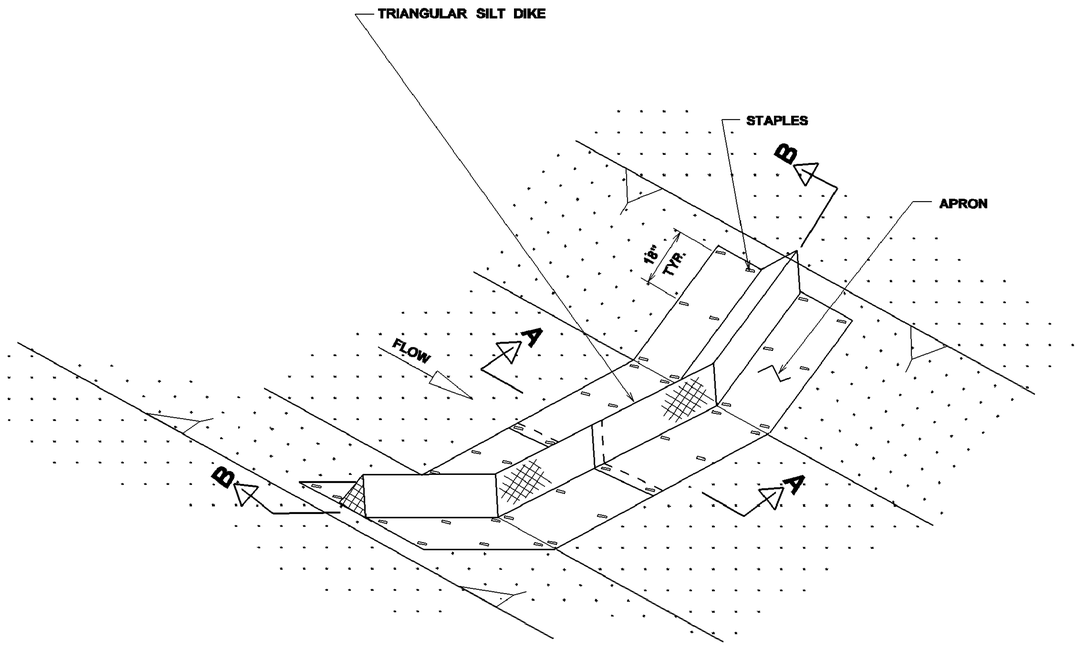
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER 78

DRAWING No.: 12932.001C

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2018 12:21 PM ECD-6.DGN



PLAN VIEW

NOTE:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN SILT DIKE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4
2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

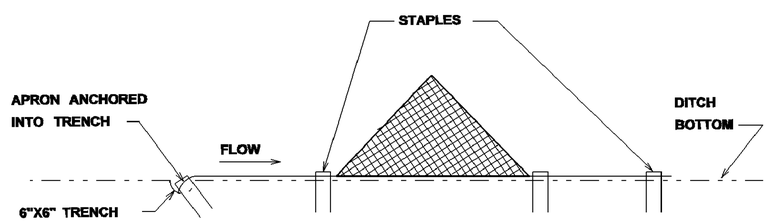
SILT DIKE DITCH CHECK SELECTION GUIDELINES

SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED.



POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS

SECTION B-B



NOTE: STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE UNIT

SECTION A-A

SILT DIKE INSTALLATION FOR ROADWAY DITCHES

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILS OF EROSION CONTROL
SILT DIKE DITCH CHECK

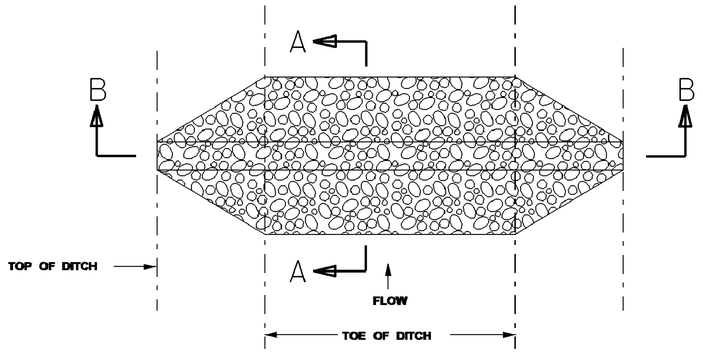
WORKING NUMBER ECD-7
SHEET NUMBER 79

FILENAME: EROSION CONTROL\ECD-7.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

DRAWING No.: 12932.001C

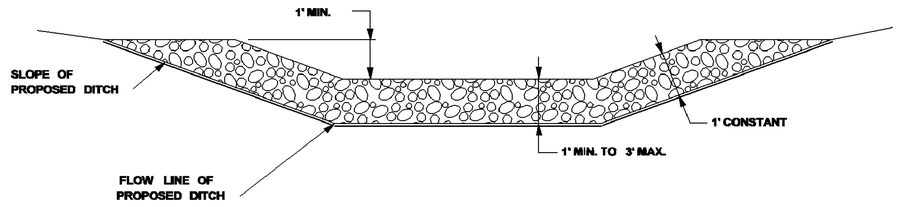
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/20/2010 8:11 AM ECD-7.DGN

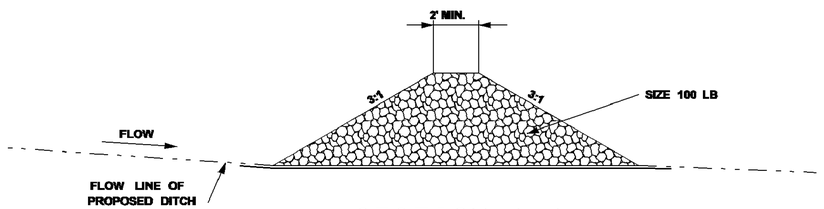


PLAN VIEW

DETAIL FOR TRAPEZOIDAL DITCH

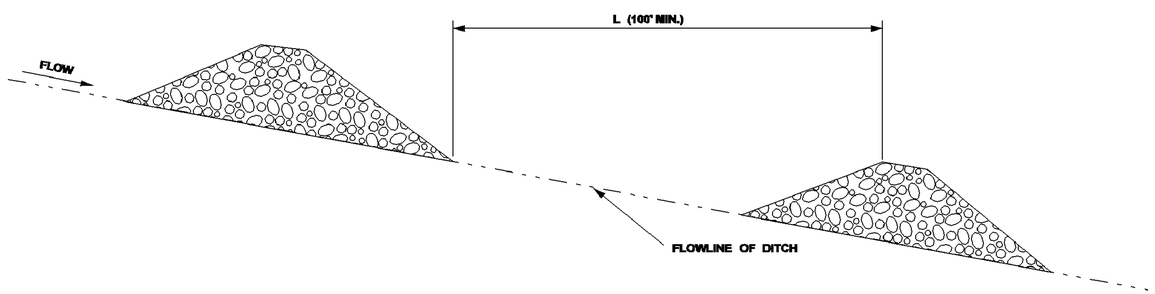


SECTION B-B



SECTION A-A

TEMPORARY ROCK DITCH CHECKS IN ROADSIDE DITCHES



DETAIL FOR SPACING BETWEEN DITCH CHECKS

NOTES:

1. MINIMUM SPACING FOR ROCK DITCH CHECKS SHALL BE 100 FEET OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4
2. ROCK DITCH CHECKS MAY ALSO BE CHOKED WITH FABRIC.
3. SIZE 300 LB RIP RAP MAY BE USED FOR SPECIFED APPLICATIONS AS SHOWN ON EROSION CONTROL PLAN

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2018 12:22PM ECD-8.DGN

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ROCK DITCH CHECK

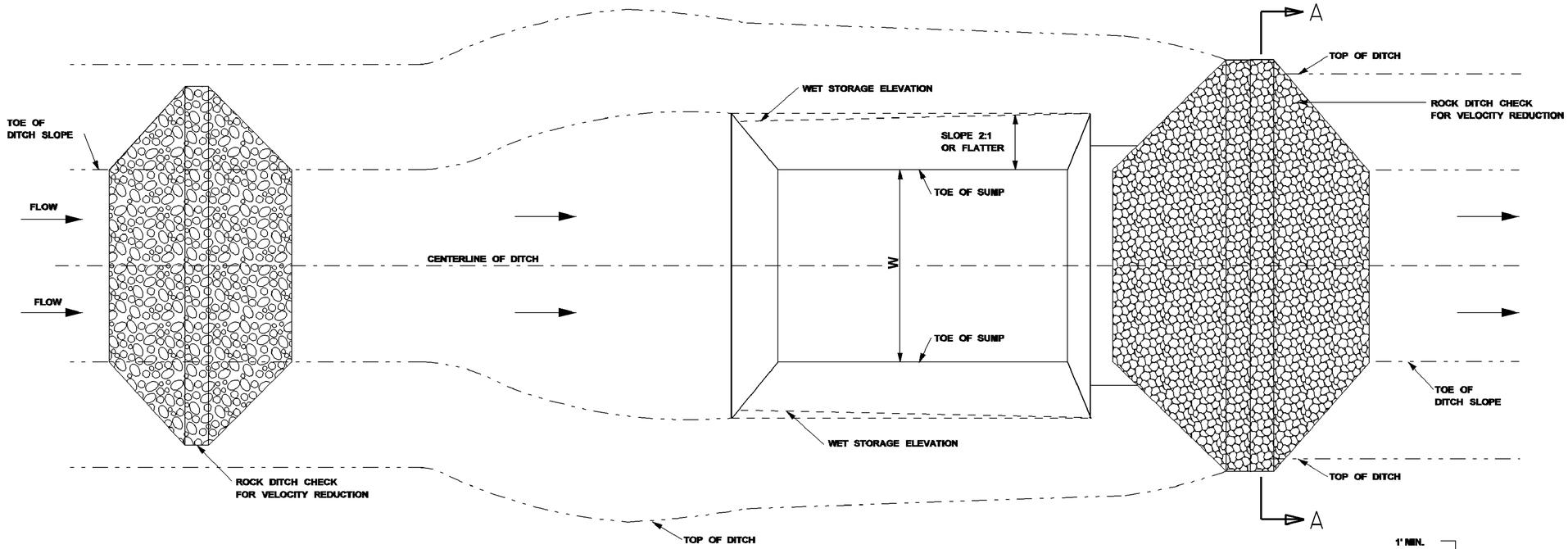
WORKING NUMBER ECD-8

FILENAME: EROSION CONTROL\ECD-8.DGN

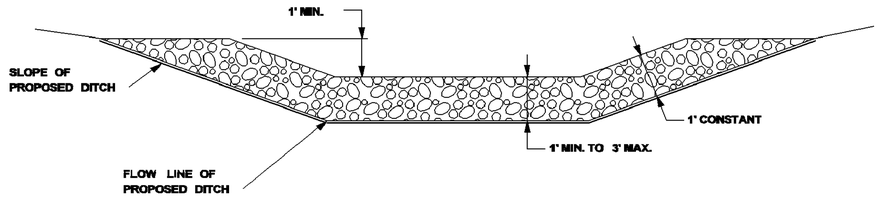
DESIGN TEAM CHECKED DATE

SHEET NUMBER 80

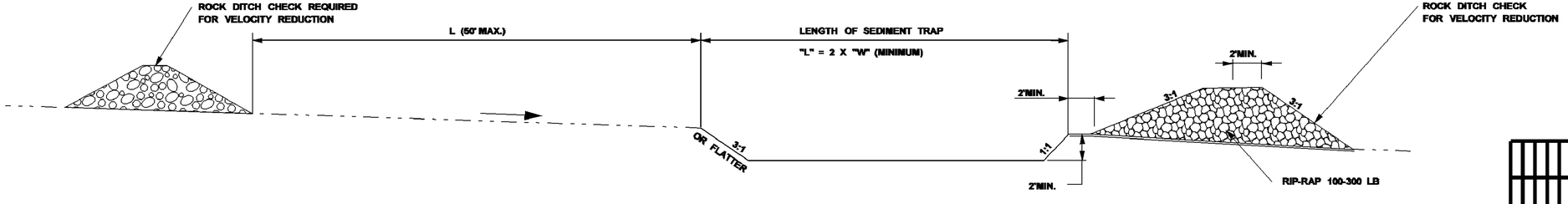
DRAWING No.: 12932.001C



PLAN VIEW



SECTION A-A



PROFILE VIEW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ROCK DITCH CHECK
WITH SUMP EXCAVATION

REVISION | BY | DATE

FILENAME: EROSION CONTROL\ECD-9.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

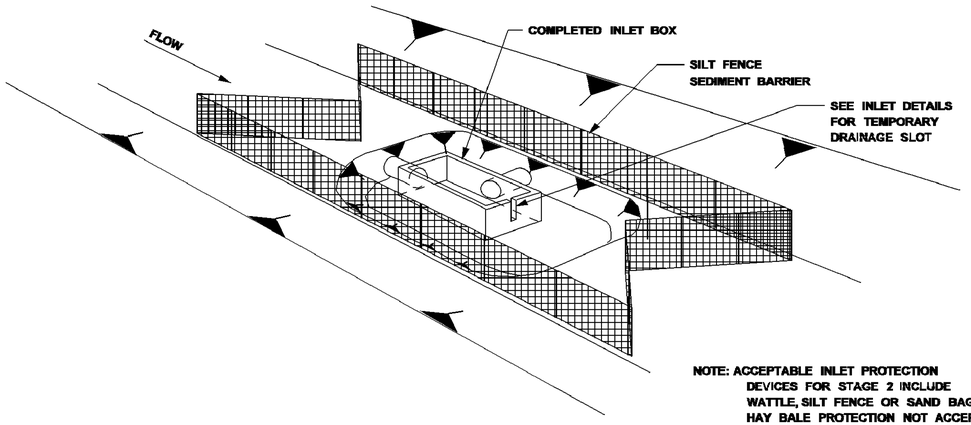
WORKING NUMBER
ECD-9

SHEET NUMBER
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DRAWING No.: 12932.001C

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

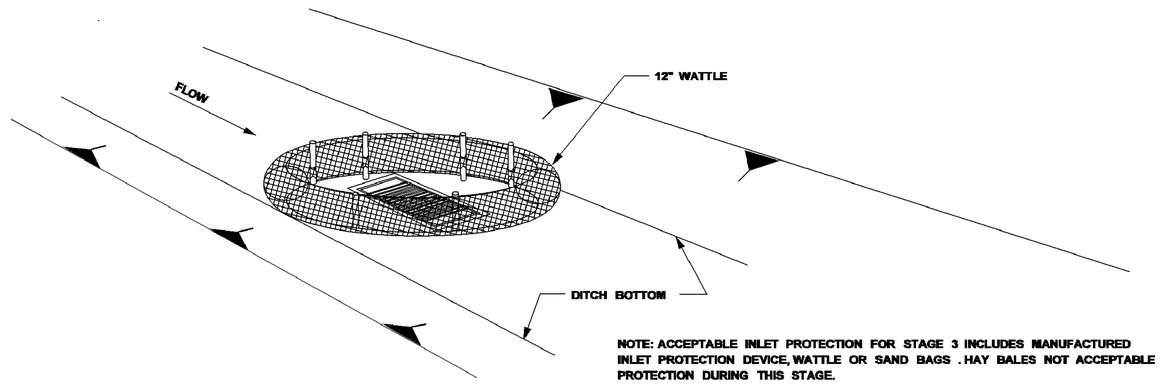
1/19/2010 12:23PM ECD-9.DGN



NOTE: ACCEPTABLE INLET PROTECTION DEVICES FOR STAGE 2 INCLUDE WATTLE, SILT FENCE OR SAND BAGS. HAY BALE PROTECTION NOT ACCEPTABLE DURING THIS PHASE.

STAGE 2

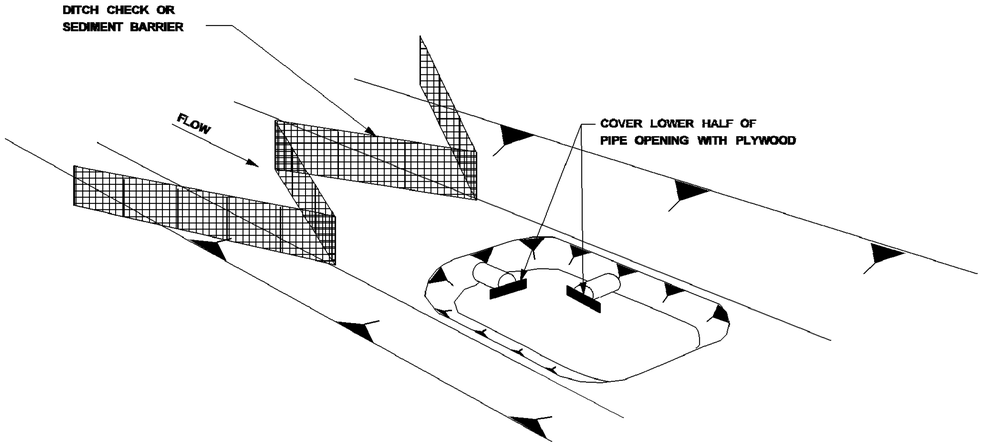
INLET/JUNCTION BOX CONSTRUCTED BUT NOT BACKFILLED



NOTE: ACCEPTABLE INLET PROTECTION FOR STAGE 3 INCLUDES MANUFACTURED INLET PROTECTION DEVICE, WATTLE OR SAND BAGS . HAY BALES NOT ACCEPTABLE PROTECTION DURING THIS STAGE.

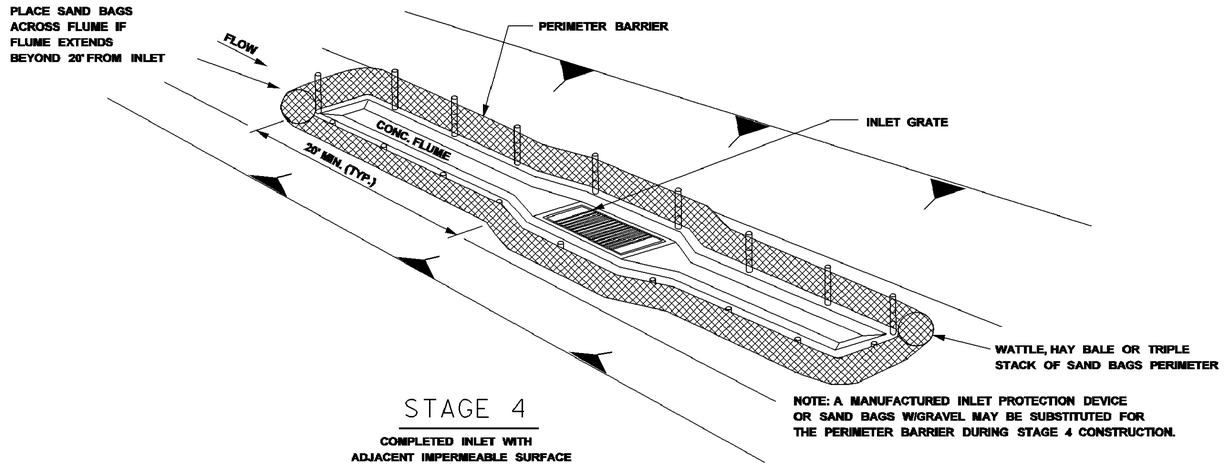
STAGE 3

INLET CONSTRUCTED AND BACKFILLED



STAGE 1

INLET/JUNCTION BOX LOCATION EXCAVATED



NOTE: A MANUFACTURED INLET PROTECTION DEVICE OR SAND BAGS W/GRAVEL MAY BE SUBSTITUTED FOR THE PERIMETER BARRIER DURING STAGE 4 CONSTRUCTION.

STAGE 4

COMPLETED INLET WITH ADJACENT IMPERMEABLE SURFACE

DITCH INLET CONSTRUCTION STAGES

NOTES:

1. FOUNDATION BACKFILL SHOULD BE PLACED IN STAGE 1 IMMEDIATELY AFTER PIPE INSTALLATION. INLET CONSTRUCTION SHOULD COMMENCE AS SOON AS POSSIBLE AND BE CONTINUOUS THROUGH COMPLETION.
2. CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.
3. DURING STAGE 1 AND STAGE 2, SILT FENCE MAY BE REQUIRED UPSLOPE OF THE INLET EXCAVATION AS DIRECTED BY THE ENGINEER.
4. IF SILT FENCING IS INSTALLED AROUND THE INLET EXCAVATION IT SHOULD BE PLACED IN A CONFIGURATION THAT WILL ALLOW INLET CONSTRUCTION.

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
INLET PROTECTION
TYPICAL APPLICATIONS AND DETAILS

WORKING NUMBER
ECD-10

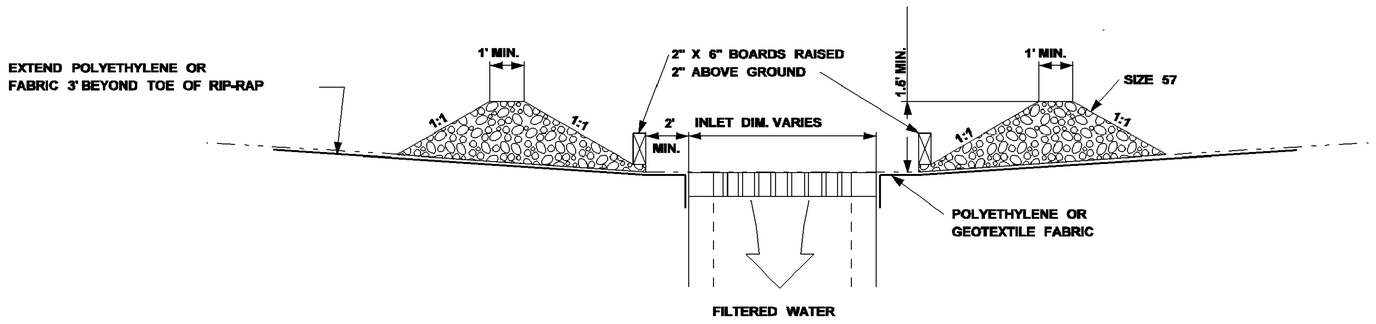
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DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER
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DRAWING No.: 12932.001C

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2010 12:24PM ECD-10.DGN



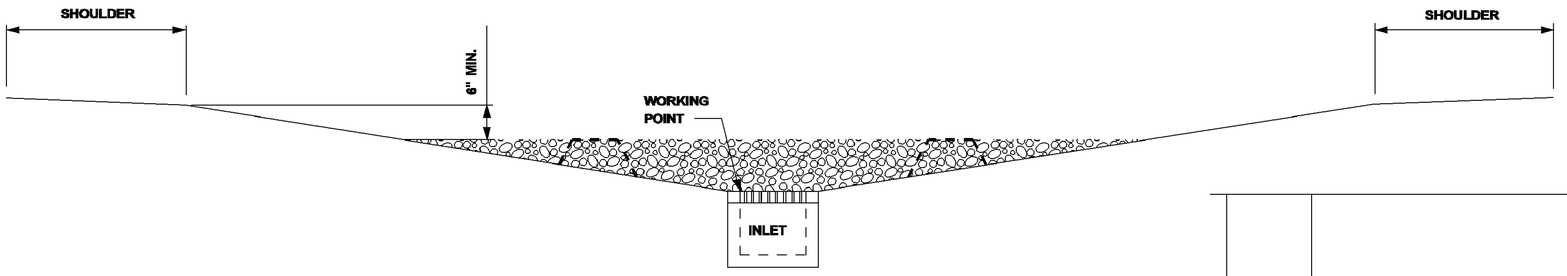
SECTION B–B

NOTES:

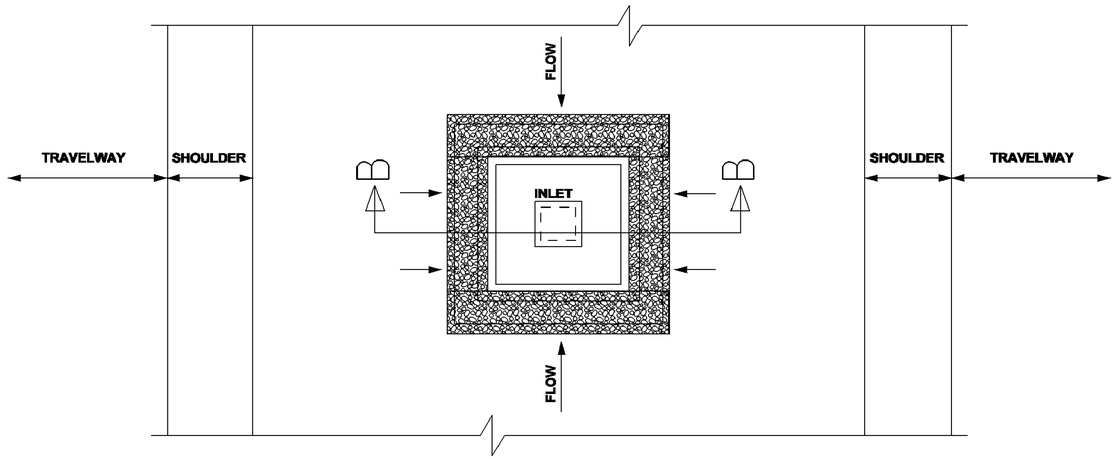
1. THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE A MINIMUM OF 1.5' ABOVE THE ELEVATION OF THE INLET WORKING POINT AND A MINIMUM OF 6" BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.

2. THIS COARSE AGGREGATE INLET PROTECTION SHALL NOT BE UTILIZED DURING STAGE 1 AND STAGE 2 INLET CONSTRUCTION. SEE INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS)

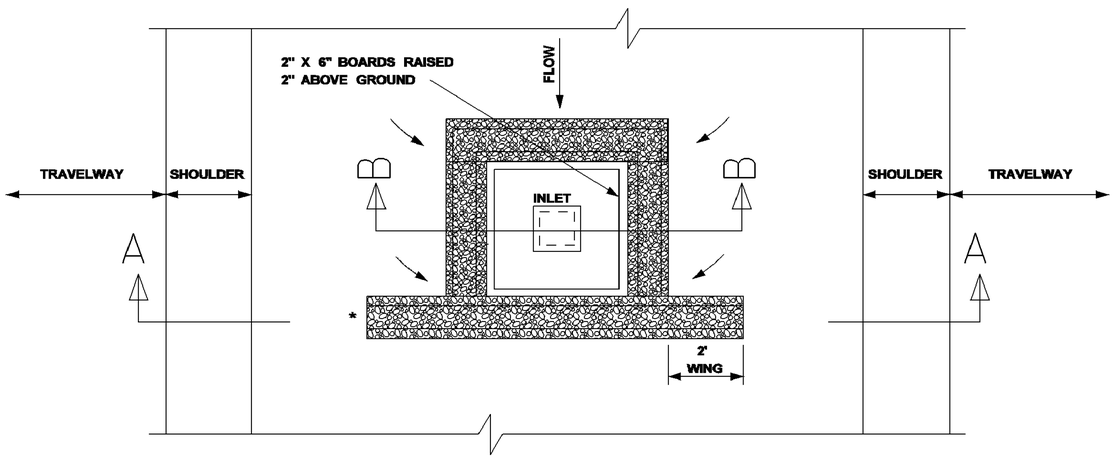
3. 2" X 6" BOARDS MAY BE REPLACED WITH WIRE MESH W/OPENINGS LESS THAN 1" X 1". COST IS ABSORBED.



SECTION A–A



PLAN – IN SAG



PLAN – ON GRADE

* CONSTRUCT WINGS TO PREVENT BYPASS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

INLET PROTECTION
DETAILS FOR COARSE AGGREGATE
ON GRADES & SAGS

REVISION | BY | DATE

FILENAME: EROSION CONTRL\ECD-11.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

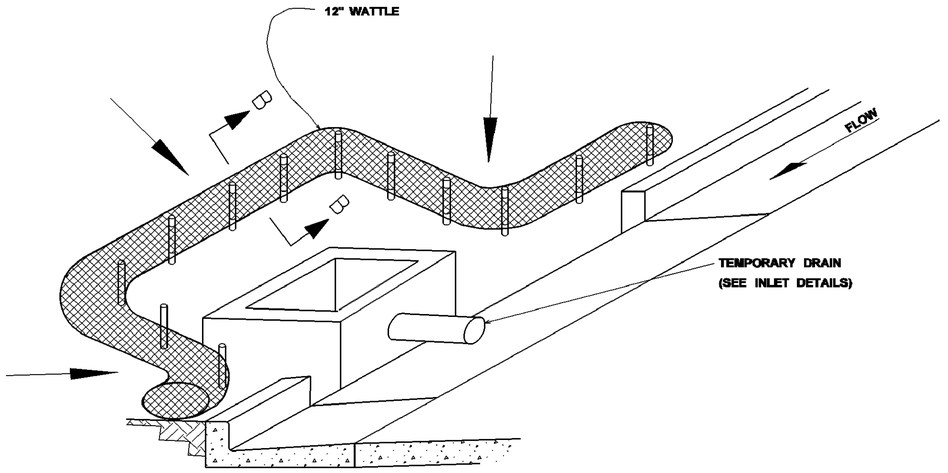
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SHEET NUMBER 83

DRAWING No.: 12932.001C

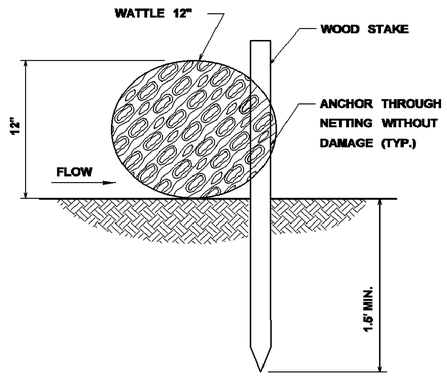
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2018 12:25PM ECD-11.DGN

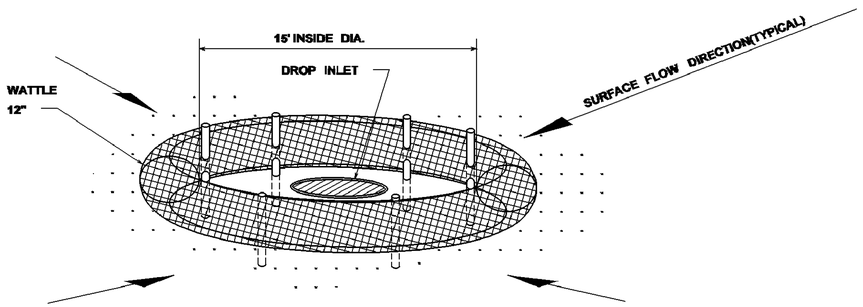
NOTE:
SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION.
HAY BALES NOT ACCEPTABLE DURING THIS STAGE.



CURB INLET PROTECTION (STAGE 2)
SINGLE OR DOUBLE WING INLET



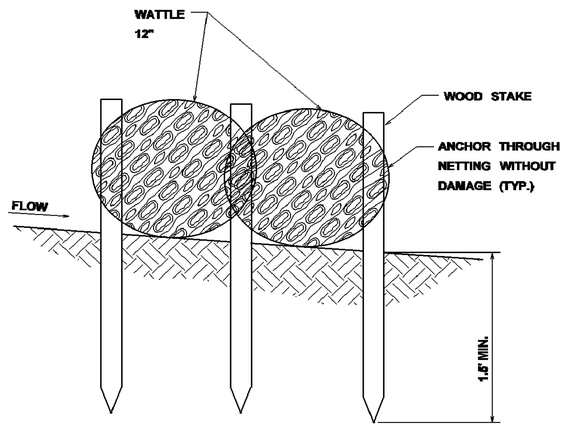
SECTION B-B



DROP INLET PROTECTION

NOTES:

1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1'MIN.,3'MAX.).
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.



SECTION A-A

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

INLET PROTECTION DETAILS
OF WATTLES

REVISION	BY	DATE

WORKING NUMBER
ECD-12

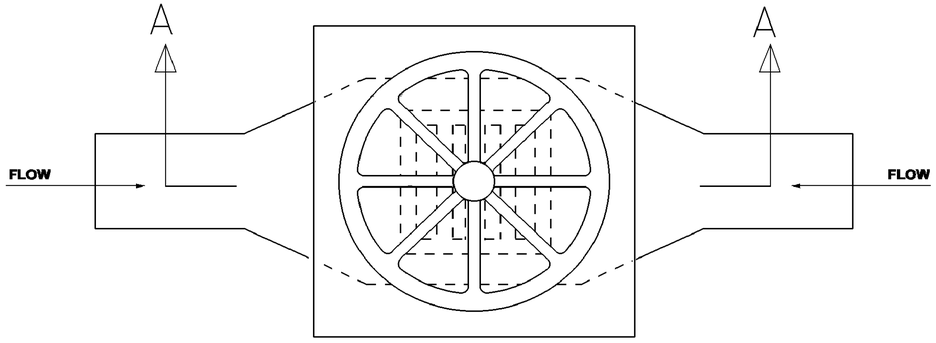
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SHEET NUMBER
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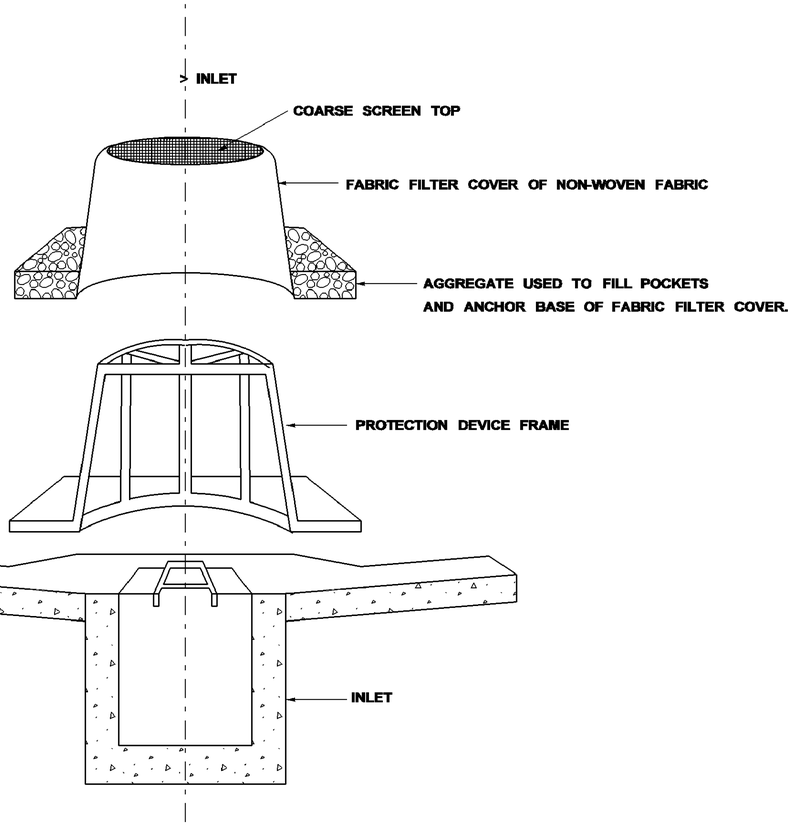
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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/19/2018 12:26PM ECD-12.DGN



PLAN



SECTION "A-A"

NOTES:

1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY THE ENGINEER.
2. FILL POCKETS AROUND BASE OF FILTER COVER WITH #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
3. USE ONLY DURING STAGE 3 OR STAGE 4 INLET CONSTRUCTION.
4. FOR MEDIAN INLET PROTECTION, THE ELEVATION OF THE COARSE SCREEN TOP SHOULD BE A MINIMUM OF 6" BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

INLET PROTECTION
DETAILS OF MANUFACTURED
INLET PROTECTION DEVICE

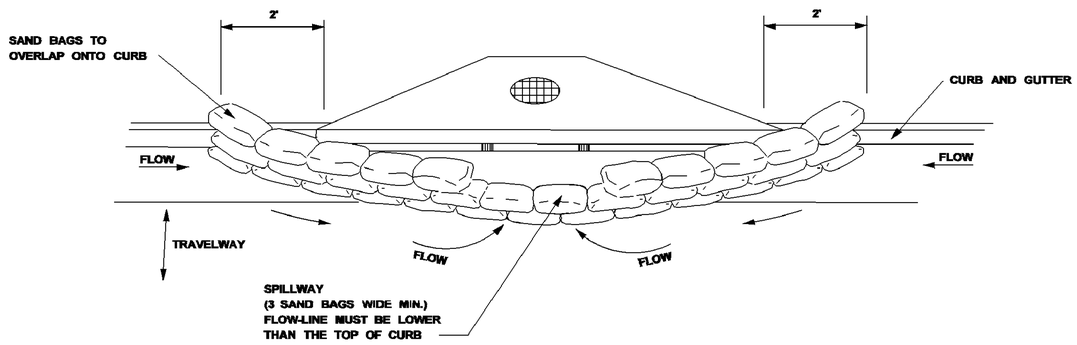
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DESIGN TEAM CHECKED DATE

WORKING NUMBER
ECD-13

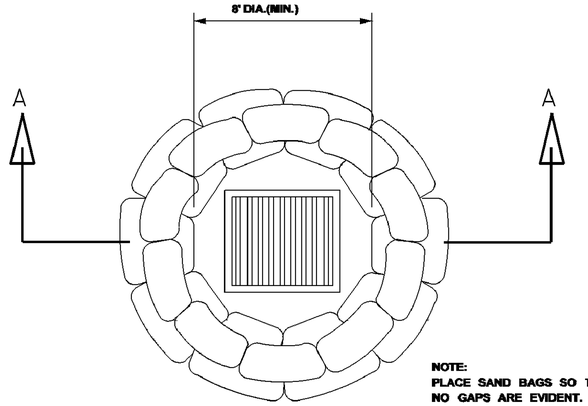
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PLOT DATE: 1/20/2010 9:32 AM ECD-13.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

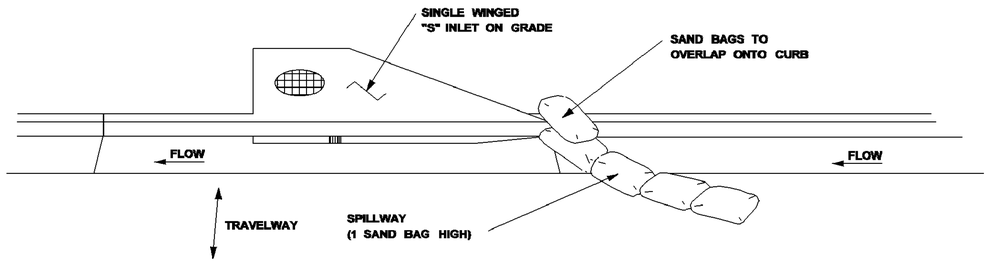


TYPICAL (SAND BAG) PROTECTION FOR INLET IN SAG

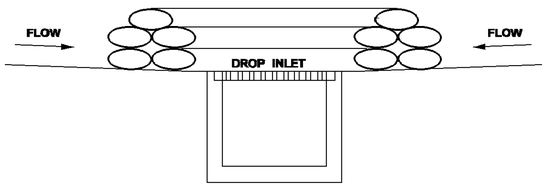


NOTE:
PLACE SAND BAGS SO THAT NO GAPS ARE EVIDENT.
3 BAGS HIGH AND STAGGERED.
(80 BAGS MIN.)

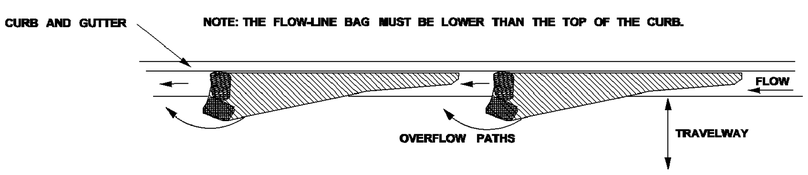
DROP INLET
PLAN VIEW



TYPICAL (SAND BAG) PROTECTION FOR INLET ON GRADE



SECTION A-A
SAND BAG BARRIER



CURB AND GUTTER SEDIMENT
CONTAINMENT SYSTEM

CURB INLET PROTECTION NOTES:

1. THIS CURB INLET PROTECTION METHOD CAN BE USED DURING ANY STAGE OF BASE AND PAVEMENT CONSTRUCTION.
2. BAG HEIGHT AND NUMBER OF BAGS SHOULD BE BASED ON CURB HEIGHT AND USE OF TRAVELWAY.
3. SEDIMENT SHOULD BE CONTROLLED PRIOR TO ENTERING GUTTER. GUTTER CHECKS AND INLET PROTECTION ARE FOR SECONDARY CONTROL.
4. REMOVE ACCUMULATED SEDIMENT AFTER EVERY RAINFALL. SWEEP SEDIMENT FROM HARD SURFACES AND DISPOSE OF APPROPRIATELY AWAY FROM INLETS AND/OR WATER BODIES.
5. IF DENUDED AREAS EXIST BEHIND THE INLET, A SEDIMENT BARRIER SHOULD BE INSTALLED AROUND IT'S PERIMETER TO CONTROL SEDIMENT.

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INLET PROTECTION
DETAILS OF SAND BAG

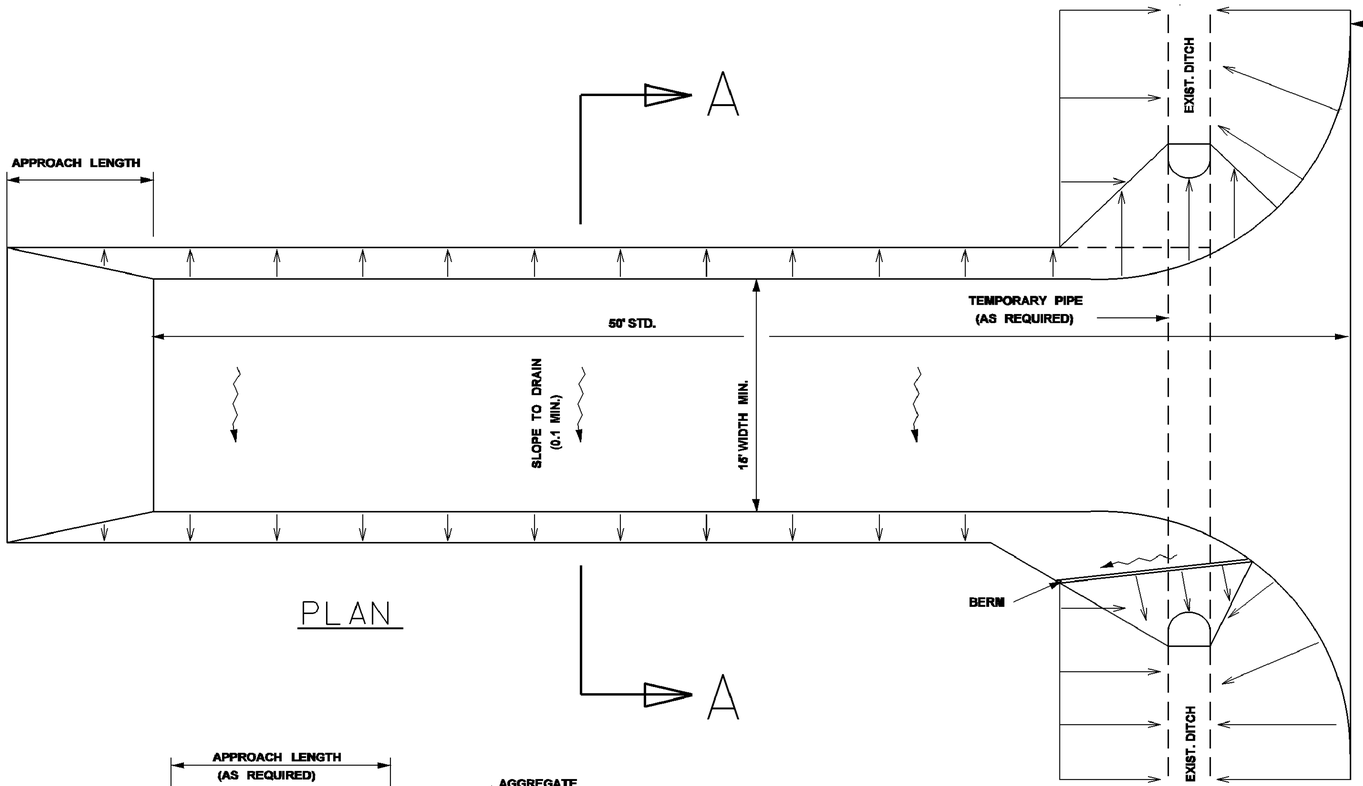
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FILENAME: EROSION CONTROL\ECD-14.DGN
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86

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ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PLAN

NOTES:

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE PROJECT SHALL BE DIRECTED THRU THE STABILIZED ENTRANCE. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STABILIZED ENTRANCE.

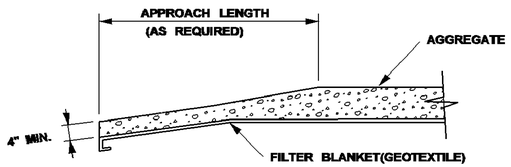
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IT'S USE.

3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STABILIZED CONSTRUCTION ENTRANCE AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.

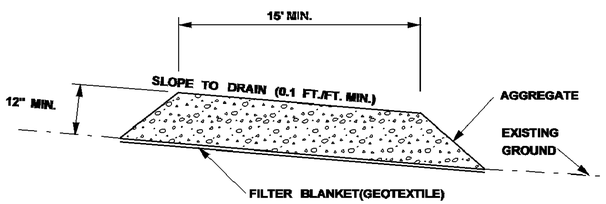
4. SIZE 1 STABILIZER AGGREGATE SHALL BE USED

5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM IT'S FUNCTION TO PREVENT OFFSITE TRACKING, THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE RINSED WHEN NECESSARY TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STABILIZED ENTRANCE MAY BE REQUIRED TO LIMIT THE MUD TRACKED.

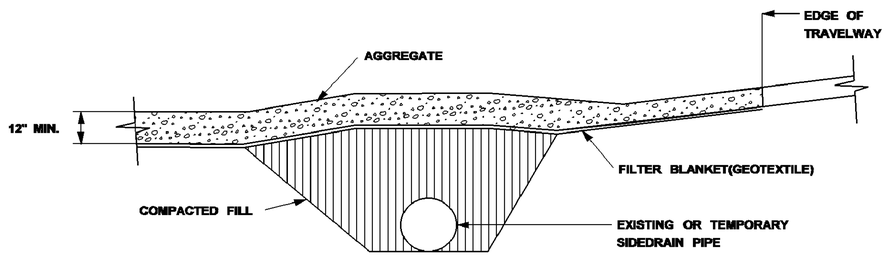
6. THE NOMINAL SIZE OF A STANDARD STABILIZED CONSTRUCTION ENTRANCE IS 15' X 50' UNLESS OTHERWISE SHOWN IN THE EROSION CONTROL PLAN



TRANSITION DETAIL



SECTION A-A



RURAL CONNECTION DETAIL

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STABILIZED CONSTRUCTION ENTRANCE

WORKING NUMBER
ECD-15

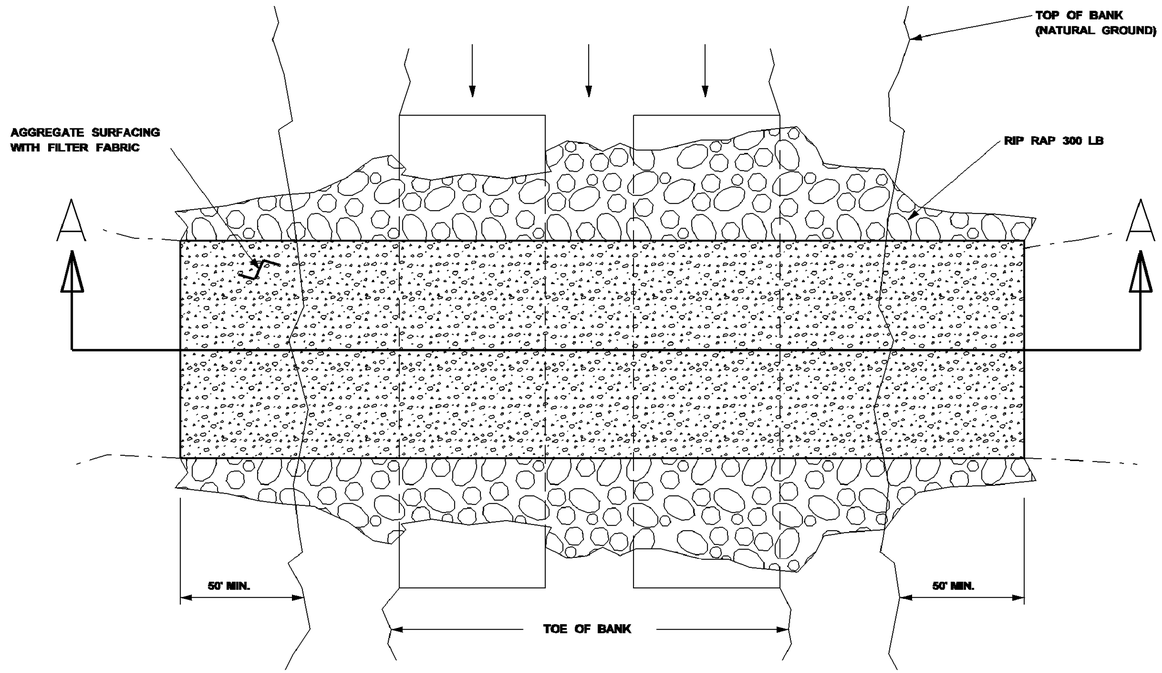
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ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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PLAN VIEW

TEMPORARY CULVERT STREAM CROSSING

NOTES:

1. TEMPORARY CULVERT STREAM CROSSINGS PROVIDE A MEANS FOR VEHICLES AND EQUIPMENT TO SAFELY CROSS A WATERCOURSE WHILE MINIMIZING DAMAGE TO THE CHANNEL AND/OR BANKS.

2. TEMPORARY CULVERT STREAM CROSSINGS, WHEN PERMITTED BY THE ENGINEER, SHALL BE CONSTRUCTED TO SAFELY PASS EXPECTED MEAN WATER FLOW OF THE STREAM FOR THE TIME OF YEAR AND LENGTH OF TIME THAT THEY ARE INSTALLED.

3. TEMPORARY STREAM CROSSINGS SHALL BE DESIGNED TO ENSURE STRUCTURAL INTEGRITY AND STABILITY, AND MAINTAIN NORMAL DOWNSTREAM FLOWS. THE USE OF INSTREAM CROSSINGS AND INSTREAM AGGREGATE FILL SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE.

4. A CONTINUOUS PROGRAM OF EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO AND CONCURRENT WITH ANY TYPE OF CONSTRUCTION ACTIVITY WITHIN THE BANKS OF A STREAM. WHEN A CROSSING IS NO LONGER NEEDED, THE STREAMBED AND STREAM BANKS SHALL BE RESTORED TO PRE-DISTURBANCE CONDITIONS, OR SUCH A CONDITION THAT PROVIDES SUBSTANTIALLY EQUIVALENT PROTECTION OF WATER QUALITY.

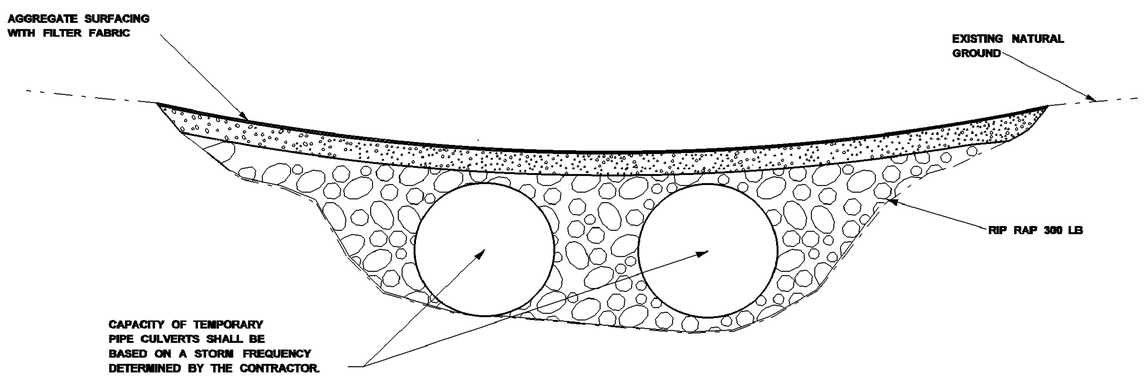
5. LOCATIONS OR TYPES OF TEMPORARY CULVERT STREAM CROSSINGS WILL NOT BE SHOWN ON THE PLANS AS REQUIRED ITEMS .

6. THE CONTRACTOR MAY PROPOSE OTHER OPTIONS FOR TEMPORARY STREAM CROSSINGS SUCH AS STEEL/TIMBER BRIDGE OR MATS.

7. THE DETAILS PROVIDED DEPICT A TYPICAL TEMPORARY CULVERT STREAM CROSSING.

8. TEMPORARY STREAM CROSSINGS WILL NOT BE MEASURED FOR SEPERATE PAYMENT. ALL COSTS FOR MATERIALS, LABOR, EQUIPMENT, CONSTRUCTION, REMOVAL AND MAINTENANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK

TEMPORARY CULVERT STREAM CROSSING



SECTION A-A

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TEMPORARY CULVERT
STREAM CROSSING

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ECD-16

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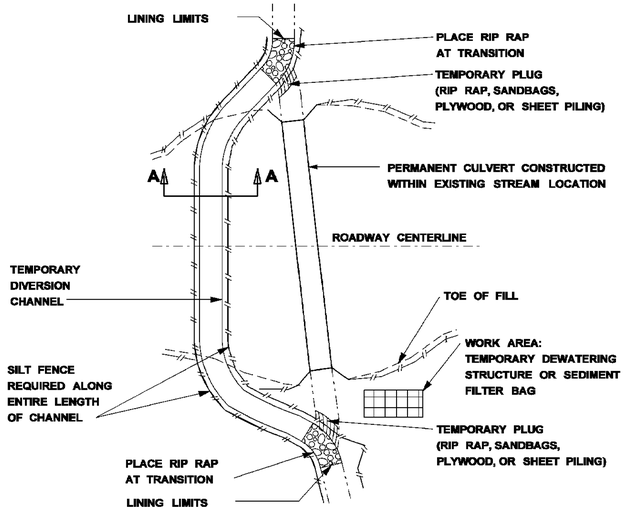
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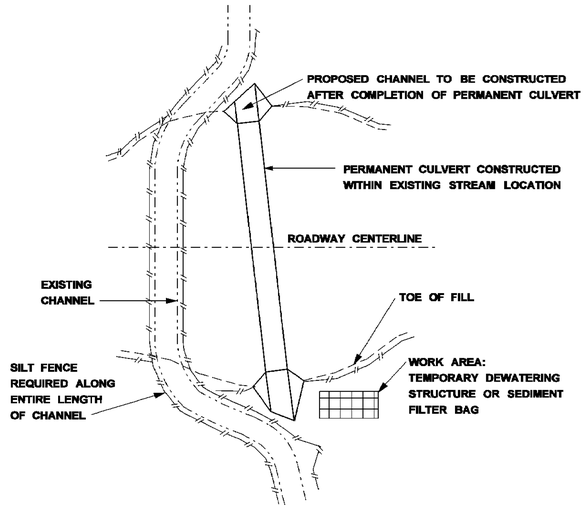
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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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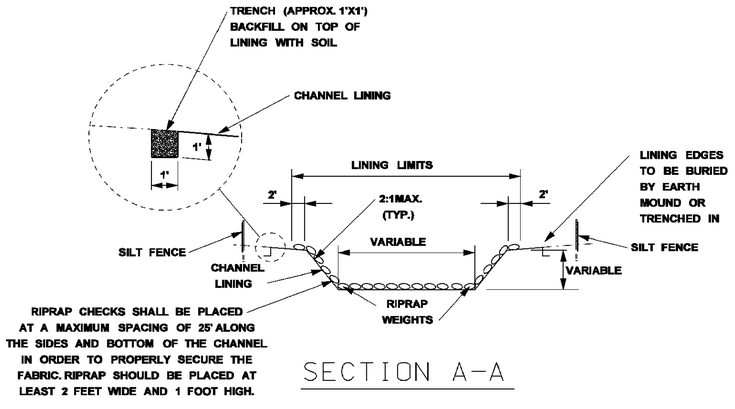
CULVERT CONSTRUCTED
WITHIN EXISTING STREAM



CULVERT CONSTRUCTED
OUTSIDE EXISTING STREAM

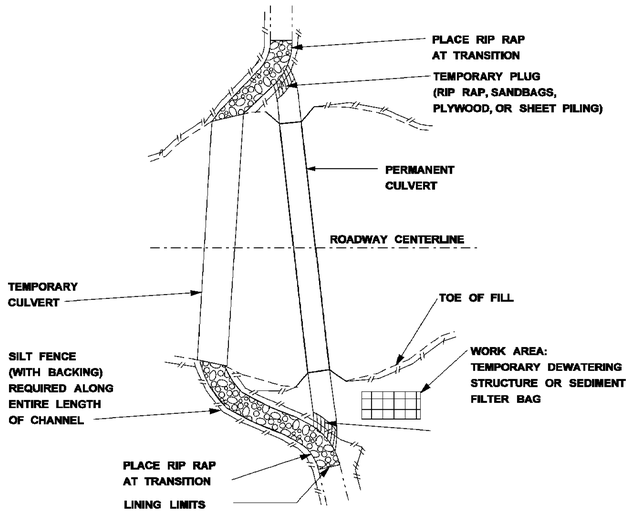
NOTES:

1. TEMPORARY DIVERSION CHANNELS MAY BE USED TO DIVERT NORMAL STREAM PATH FLOW FROM AN ERODIBLE AREA UNTIL SUCH AREAS CAN BE STABILIZED.
2. TYPE III FILTER FABRIC OR PRE-FAB DITCH LINER MAY BE USED FOR CHANNEL LINING.
3. RIP-RAP WITH FILTER FABRIC MAY BE USED FOR CHANNEL FLOW VELOCITIES OF 3.0 FPS TO 9.0 FPS. THE RIP-RAP SHALL BE SIZED 300 LB
4. LOCATIONS OR TYPES OF TEMPORARY DIVERSION WILL NOT BE SHOWN ON THE PLANS
5. DIVERSION CHANNEL SHALL BE STABILIZED AND INSPECTED BY THE ENGINEER BEFORE FLOW IS DIVERTED.
6. DURING CONSTRUCTION OF DIVERSION CHANNEL, DAMAGE TO THE EXISTING STREAM, CANOPY REMOVAL, AND DEPTH OF THE CHANNEL CONSTRUCTION SHALL BE MINIMIZED.
7. CONSTRUCTION OF THE CHANNEL RELOCATIONS AND CULVERTS SHALL PROCEED AS FOLLOWS: 7.1. CONSTRUCT A MEANDERING TEMPORARY CHANNEL CHANGE ADJACENT TO THE PROPOSED CULVERT TO DIVERT WATER TEMPORARILY DURING THE CULVERT CONSTRUCTION. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
   - 7.2. RELOCATE CHANNEL AND CONSTRUCT CULVERT SIMULTANEOUSLY.
   - 7.3. SOD AND/OR RIP-RAP RECONSTRUCTED BANKS AT TRANSITIONS. THE UPPER CHANNEL PLUG IS TO REMAIN IN PLACE UNTIL SUBNOTE (7.1) THROUGH (7.4) UNDER THIS HEADING ARE COMPLETED TO INSURE THAT ALL CONSTRUCTION IS IN THE DRY.
   - 7.4. IF AN EARTH PLUG IS NECESSARY AT THE DOWNSTREAM END OF THE CHANNEL IT SHOULD BE REMOVED FIRST, THEN REMOVE THE UPPER PLUG TO RELEASE WATER INTO THE RECONSTRUCTED CHANNEL.
   - 7.5 PLUGS SHOULD REMAIN IN PLACE UNTIL PERMANENT STABILIZATION OF THE NEW WATER COURSE IS COMPLETED. REMOVAL OF PLUGS SHOULD ONLY BE PERFORMED FOLLOWING ACCEPTANCE OF ALL STABILIZATION WORK BY THE ENGINEER.
8. THE DETAILS PROVIDED DEPICT TYPICAL TEMPORARY DIVERSION CHANNELS.
9. THE CONTRACTOR MAY PROPOSE THE USE OF OTHER DIVERSION OPTIONS SUCH AS PIPING, PUMPING OR STAGED CONSTRUCTION.
10. THE EFFECTIVE AREA OF FLOW IN THE TEMPORARY CHANNEL OR CULVERT SHALL BE AT LEAST ONE-HALF THAT OF THE EXISTING STRUCTURE.



SECTION A-A

TEMPORARY DIVERSION CHANNEL
WITH GEOTEXTILE FABRIC



TEMPORARY CULVERT
USED DURING CONSTRUCTION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TEMPORARY STREAM DIVERSION

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FILENAME: EROSION CONTROL\ECD-17.DGN
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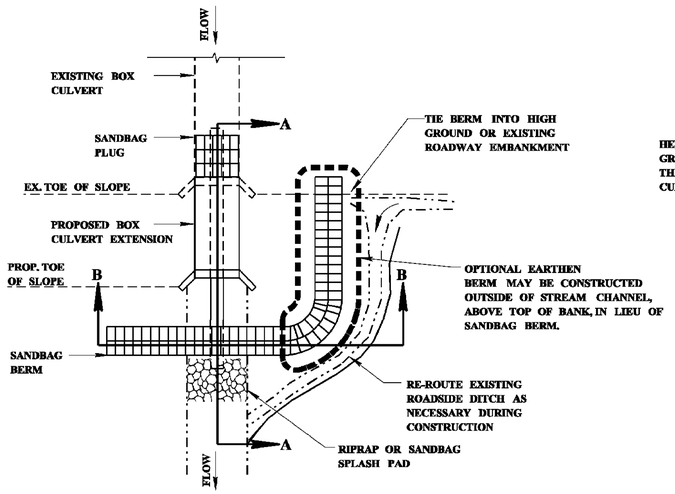
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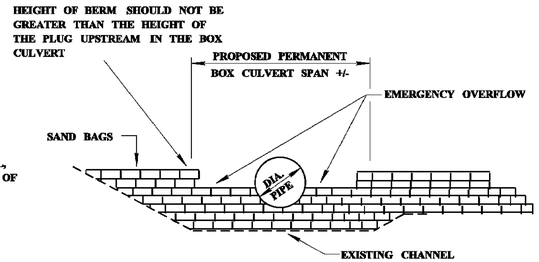
PLANS
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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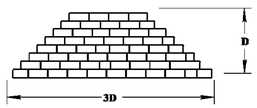
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PLAN VIEW

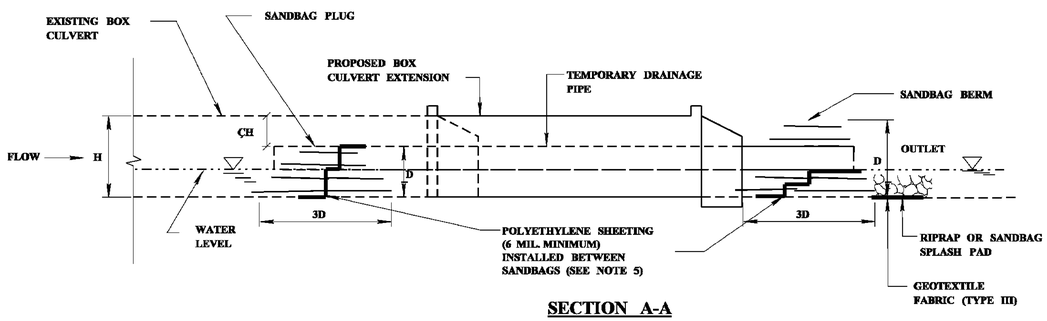


SECTION B-B



SAND BAG PLUG & BERM CROSS SECTION

(SEE NOTE 4)



SECTION A-A

MAXIMUM SPAN FOR PIPE SUPPORTS, FEET

DIAMETER OF PIPE (IN.)	STEEL THICKNESS (IN.)				
	0.064	0.079	0.109	0.138	0.168
	2" x 1/2" CORRUGATION				
24	13	15	20		
36	12	15	20	25	
48	11	14	19	25	30
60		14	19	24	29
72			18	24	29
	5" X 1" OR 3" X 1" CORRUGATION				
36	9	11			
48	9	11	15		
60	8	10	14	18	
72	8	10	14	18	22

FOR PIPE SIZES NOT SHOWN REFER TO NEXT LARGER SIZE

GENERAL NOTES

1 SUSPENDED PIPE DIVERSIONS MAY BE USED TO ALLOW BOX CULVERT EXTENSIONS TO BE CONSTRUCTED, WHILE SEPARATED FROM FLOWING WATER, THUS REDUCING SEDIMENTATION. OPTIONAL FLEXIBLE PIPE DIVERSION MAY BE UTILIZED ON STREAMS WITH INTERMITTENT FLOW WHERE THE DURATION OF CONSTRUCTION IS EXPECTED TO BE BRIEF.

2 EXCAVATION SLOPES FOR BOX CULVERT EXTENSIONS SHALL BE PROTECTED WITH TYPE III FILTER FABRIC PRIOR TO CONSTRUCTION OF THE BOX.

3 SUSPENDED PIPE DIVERSIONS MAY BE USED WHERE ADVERSE IMPACTS WILL NOT BE CAUSED BY WATER PONDED UPSTREAM OF THE PIPE.

4 THE SANDBAG PLUG AT THE UPSTREAM END OF THE SUSPENDED PIPE DIVERSION SHOULD BE CONSTRUCTED TO A HEIGHT EQUAL TO THREE QUARTERS OF THE RISE OF THE BOX CULVERT.

5 POLYETHYLENE SHEETING (6 MIL. MINIMUM) SHALL BE PLACED INSIDE THE SANDBAG PLUG IN THE BOX CULVERT AND IN THE SAND BAG BERM WITHIN THE CHANNEL IN ORDER TO PROVIDE THE BEST POSSIBLE SEAL. SANDBAGS ON THE DOWNSTREAM SIDE OF THE SHEETING SHOULD BE PLACED FIRST, AND THEN SHEETING PLACED ON THESE BAGS. AS MUCH AS POSSIBLE, THE SHEETING SHOULD BE FITTED AROUND THE PIPE. THE REMAINING SANDBAGS WOULD THEN BE PLACED ON THE SHEETING. WHERE MULTIPLE SHEETS ARE USED, THEY SHOULD OVERLAP A MINIMUM OF 18 INCHES.

6 THE PROPOSED CULVERT CONSTRUCTION SHALL BE SEALED FROM THE EXISTING STREAM BY MEANS OF A SANDBAG BERM WHICH SHOULD BE AT THE SAME HEIGHT AS THE PLUG INSIDE THE BOX CULVERT. THIS BERM SHALL BE TIED INTO EITHER HIGH GROUND ADJACENT TO THE CHANNEL OR THE EXISTING ROADWAY EMBANKMENT. IT SHALL BE PROVIDED WITH A SPILLWAY EQUAL IN WIDTH TO THE BOX CULVERT AND AT A HEIGHT LOWER THAN THE REST OF THE BERM.

7 THE TEMPORARY DRAINAGE PIPE SHALL BE SUPPORTED AT ALL JOINTS AND AT INTERVALS NOT TO EXCEED MAXIMUM VALUES SPECIFIED IN THE TABLE 'MINIMUM SPAN FOR SUPPORTS.' SUPPORTS MAY CONSIST OF SANDBAGS, CONCRETE BLOCKS, WOODEN FRAMES, OR ANY OTHER MATERIAL SUFFICIENT TO SUPPORT THE WEIGHT OF THE PIPE WHEN IT IS FLOWING FULL. SUPPORTS AT JOINTS SHALL BE A MINIMUM OF 18 INCHES IN LENGTH, ALONG THE TEMPORARY DRAINAGE PIPE AND CENTERED ON THE JOINT. SUPPORTS SHOULD 'CRADLE' THE TEMPORARY DRAINAGE PIPE TO ENSURE THAT IT WILL NOT ROLL DURING CONSTRUCTION OF THE BOX CULVERT.

8 ALL PIPE JOINTS SHALL BE PROPERLY BANDED OR OTHERWISE PROVIDED WITH A REASONABLE SEAL AGAINST LEAKAGE.

9 THE OPTIONAL FLEXIBLE PIPE DIVERSION USING PUMPS MAY BE USED AS AN ALTERNATE FOR SUSPENDED PIPE DIVERSIONS (UPSTREAM AND DOWNSTREAM).

10 CONSTRUCTION SHALL PROCEED AS FOLLOWS:
10A. INSTALL TEMPORARY DRAINAGE PIPE ON ITS SUPPORTS INSIDE THE CULVERT TO BE EXTENDED.
10B. CONSTRUCT THE SANDBAG PLUG AT THE UPSTREAM END OF THE SUSPENDED PIPE DIVERSION.
10C. CONSTRUCT THE SANDBAG BERM AT THE DOWNSTREAM END OF THE SUSPENDED PIPE DIVERSION.
10D. ONCE THE BOX CULVERT EXTENSION HAS BEEN COMPLETED, REMOVE THE DOWNSTREAM SANDBAG STRUCTURE, EXCEPT FOR THOSE BAGS NEEDED TO SUPPORT THE END OF THE PIPE. THE UPSTREAM SANDBAG STRUCTURE SHOULD THEN BE REMOVED GRADUALLY, IN ORDER TO ALLOW THE UPSTREAM WATER LEVEL TO DRAW DOWN AT A SAFE RATE.
10E. REMOVE THE TEMPORARY DRAINAGE PIPE, SUPPORTS AND ANY REMAINING SANDBAGS.

11 TEMPORARY DRAINAGE PIPE, SANDBAG PLUGS, BERMS, AND SUPPORTS SHALL BE INSPECTED WEEKLY OR AFTER EVERY RAIN EVENT. ANY NEEDED REPAIRS SHALL BE DONE IMMEDIATELY. ANY DEBRIS WHICH HAS ACCUMULATED AT THE INLET OF THE SUSPENDED PIPE DIVERSION SHALL BE IMMEDIATELY REMOVED.

12 RIP RAP MAY BE SUBSTITUTED FOR SAND BAGS

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TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)

WORKING NUMBER: ECD-18

FILENAME: EROSION CONTROL\ECD-18.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

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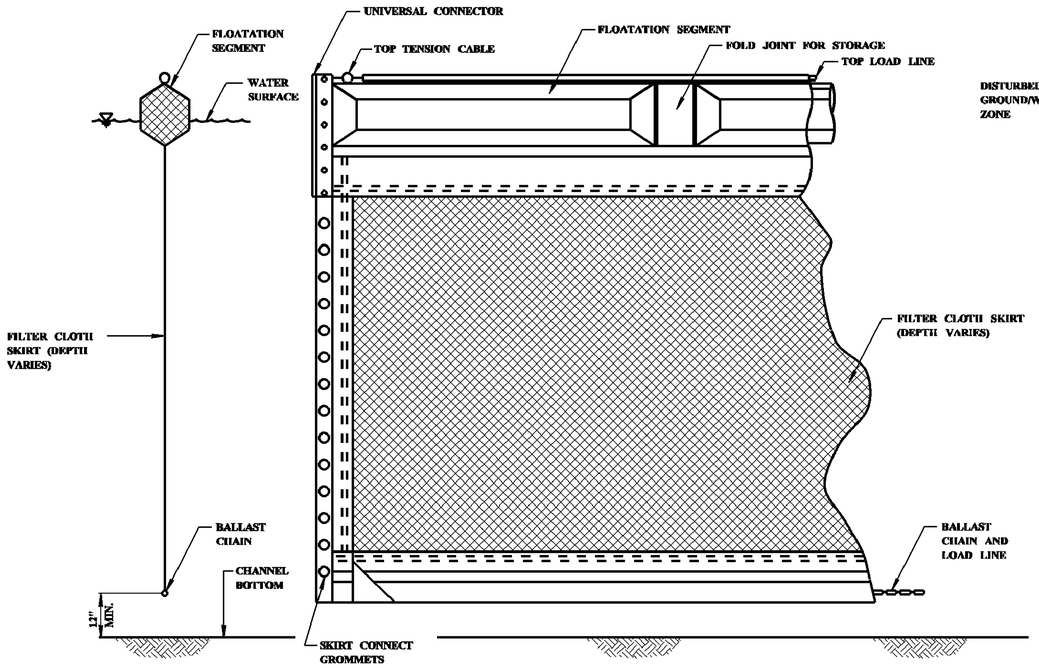
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ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

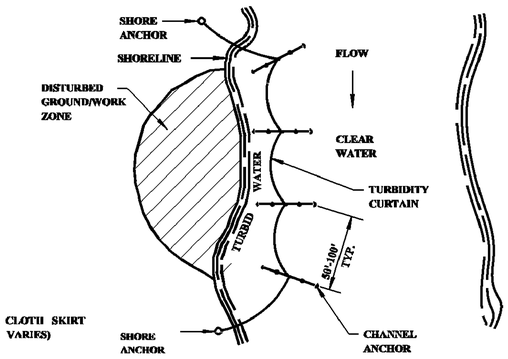
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FLOATING TURBIDITY CURTAIN

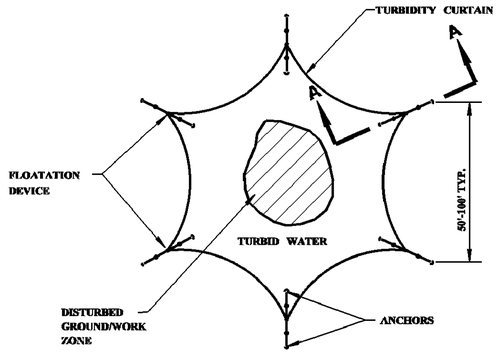


TYPICAL ANCHORING PLAN FOR SHORELINE/RIVER EDGE WORK



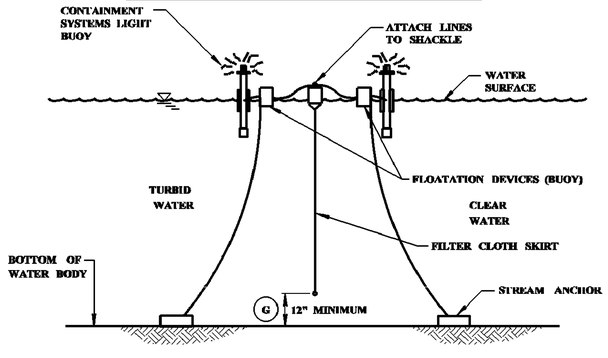
PLAN VIEW

TYPICAL ANCHORING PLAN FOR MID CHANNEL WORK (BRIDGE PIER, CAISSON, ETC.)



PLAN VIEW

TYPICAL ANCHORING SECTION



SECTION A-A

AUTOMATIC FLASHING LIGHT BUOY (ON AT DUSK-OFF AT DAWN) 100' ON CENTER SHALL BE USED IN NAVIGABLE CHANNELS ONLY

EROSION CONTROL PLAN LEGEND: FLOATING TURBIDITY CURTAIN

FLOATING TURBIDITY CURTAIN GENERAL NOTES

A. FLOATING TURBIDITY CURTAINS (ALSO KNOWN AS TURBIDITY BARRIERS OR SILT CURTAINS) CREATE A BARRIER TO PREVENT TURBID WATER FROM ENTERING CLEAR WATER. FLOATING TURBIDITY CURTAINS SHOULD BE USED TO ISOLATE ACTIVE CONSTRUCTION AREAS WITHIN OR ADJACENT TO A BODY OF WATER TO MINIMIZE THE MIGRATION OF SILT LADEN WATER OUT OF THE CONSTRUCTION ZONE.

B. TURBIDITY CURTAINS SHALL NOT BE INSTALLED PERPENDICULAR ACROSS THE MAIN FLOW OF A SIGNIFICANT BODY OF MOVING WATER.

C. FLOATING TURBIDITY CURTAINS SHALL NO BE USED WHERE THE ANTICIPATED FLOW VELOCITIES WILL EXCEED 5 FTSEC.

D. TURBIDITY CURTAINS SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORAGE SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE. CURTAINS SHALL BE INSTALLED AS CLOSE TO PROJECT SITE AS POSSIBLE. BARRIERS SHOULD BE A BRIGHT COLOR (YELLOW OR "INTERNATIONAL" ORANGE ARE RECOMMENDED) THAT WILL ATTRACT THE ATTENTION OF NEARBY BOATERS.

E. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES AND MANUFACTURER'S RECOMMENDATIONS.

F. IN SHALLOW WATER (2 FEET OF DEPTH OR LESS) A TURBIDITY CURTAIN MAY BE INSTALLED ON STAKES DRIVEN INTO THE BED OF THE WATER BODY.

G. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM Ö" DIAMETER POLYPROPYLENE ROPE. FABRIC SHALL BE SEAMED TOGETHER IN A MANNER THAT RETAINS THE OVERALL TENSILE STRENGTH.

H. DESIGN OF CURTAIN AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FILTER CLOTH SKIRT SHOULD BE ABLE TO WITHSTAND THE FORCES IMPARTED ON IT DUE TO THE EXPECTED WIND VELOCITY OR STREAM VELOCITY. FABRIC SHALL BE MADE OF A NON-DETERIORATING MATERIAL, SUCH AS PLASTIC OR NYLON, WHICH WILL ALLOW WATER TO PASS THROUGH WHILE STILL RETAINING SEDIMENT.

I. THE TURBIDITY CURTAIN AND ADJACENT WORK AREAS SHALL NOT BE DISTURBED 12 HOURS PRIOR TO REMOVAL FROM WATER BODY. MAINTENANCE SHALL BE PERFORMED AS NEEDED. CONTRACTOR SHALL REMOVE THE CURTAIN AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY. DURING REMOVAL, EXTREME CARE SHOULD BE TAKEN NOT TO DISTURB ANY SEDIMENT DEPOSITS.

J. MAINTAIN 12" MINIMUM GAP BETWEEN SKIRT BOTTOM AND CHANNEL BOTTOM TO PREVENT ACCUMULATED SEDIMENT FROM PULLING TOP OF CURTAIN BELOW WATER SURFACE.

K. IN WIND OR WAVE ACTION SITUATIONS, THE MAXIMUM DEPTH OF THE CURTAIN SHALL BE 12 FEET.

L. CONCENTRATED FLOWS SHALL NOT DISCHARGE BEYOND FLOATING TURBIDITY CURTAIN. CURTAINS ARE NOT TO BE INSTALLED ACROSS FLOWING BODY OF WATER.

M. WHEN INSTALLED IN A NAVIGABLE WATERWAY, BUOYS SHOULD BE LIT ACCORDING TO REGULATORY AGENCY STANDARDS.

N. WHEN ESTIMATING THE LENGTH OF TURBIDITY CURTAIN, ALLOW 10 TO 20 PERCENT VARIANCE IN STRAIGHT LINE MEASUREMENT.

O. PAYMENT FOR FLOATING TURBIDITY CURTAIN SHALL INCLUDE ALL MATERIAL AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TURBIDITY CURTAINS

P. ONLY FLOATING TURBIDITY CURTAINS LISTED ON THE APPROVED PRODUCTS LIST MAY BE USED.

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

FLOATING TURBIDITY CURTAIN

WORKING NUMBER ECD-19

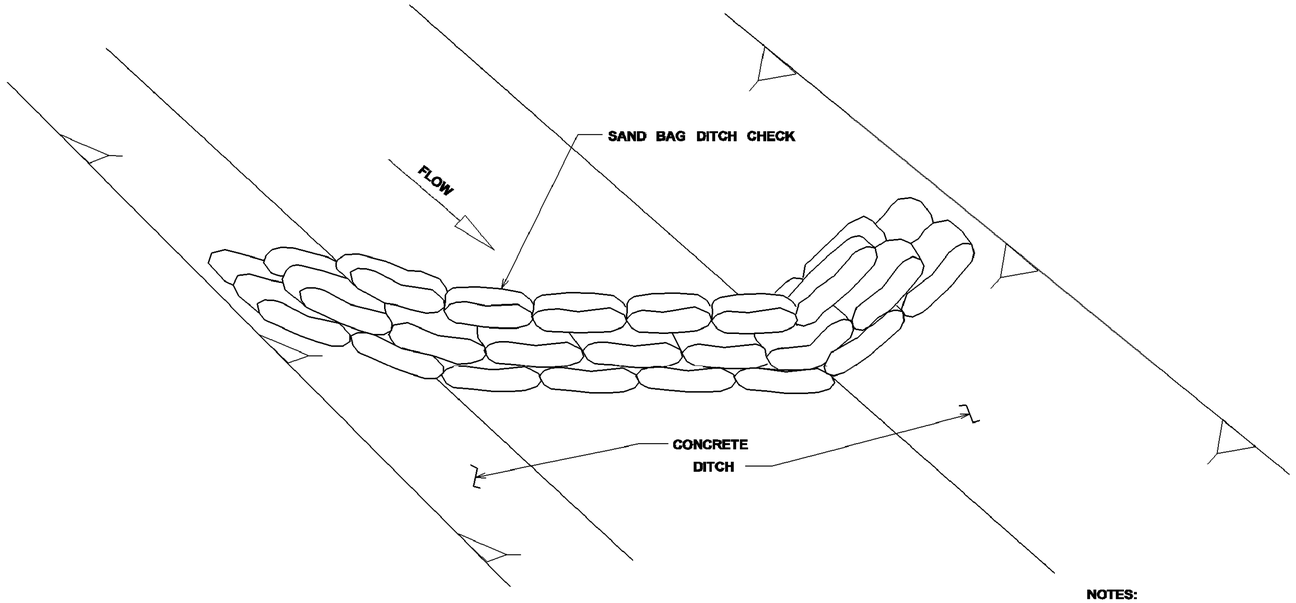
FILENAME: EROSION CONTROL\ECD-19.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER 91

DRAWING No.: 12932.001C

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
1/20/2010 9:49 AM ECD-19.DGN



DETAIL (DITCH CHECK)

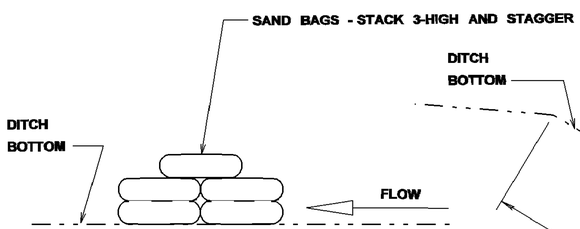
NOTES:

1. **MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN SAND BAG DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4.**

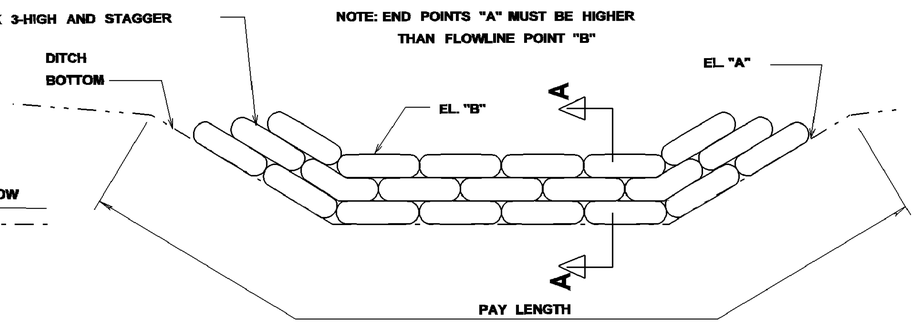
2. **PREVENTING SEDIMENT FROM ENTERING A PAVED DITCH IS PREFERABLE TO CAPTURING SEDIMENT WITHIN PAVED DITCH.**

SAND BAG DITCH CHECK SELECTION GUIDELINES

SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS.



SECTION A-A



ELEVATION DETAIL

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILS OF EROSION CONTROL
SANDBAG DITCH CHECK

REVISION | BY | DATE

FILENAME: EROSION CONTROL\ECD-20.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER
ECD-20

SHEET NUMBER
92

DRAWING No.: 12932.001C

PLOT
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
1/20/2010 9:50 AM ECD-20.DGN

VEGETATION SCHEDULE

	EROSION CONTROL ITEMS		SEASONAL APPLICATIONS – DATES & RATES				REQUIREMENTS
			SPRING & SUMMER		FALL & WINTER		
	PAY ITEM NO.	ITEMS	RATES	DATES	RATES	DATES	
(7)	211–B001	TOPSOIL FOR SLOPE TREATMENT (LVM)	4" THICK	MARCH 1 TO SEPTEMBER 1	4" THINK	SEPTEMBER 1 TO MARCH 1	TOPSOIL REQUIRED ON SLOPES DETERMINED BY THE ENGINEER DURING CONSTRUCTION
	212–B001	STANDARD GROUND PREPARATION	PER SQ. FT.	MARCH 1 TO SEPTEMBER 1	PER SQ. FT.	SEPTEMBER 1 TO MARCH 1	GROUND PREPARATION REQUIRED ON AREAS TO RECEIVE SOLID SODDING OR SEEDING, AS APPLICABLE
	907–213–A001	AGRICULTURAL LIMESTONE	3 TONS / ACRE	MARCH 1 TO SEPTEMBER 1	3 TONS / ACRE	SEPTEMBER 1 TO MARCH 1	LIMESTONE SHALL BE MECHANICALLY SPREAD UNIFORMLY AND INCORPORATED INTO THE SOIL PRIOR TO PLANTING
	213–B001	COMBINATION FERTILIZER (13–13–13)	1000 LBS / ACRE	MARCH 1 TO SEPTEMBER 1	1000 LBS / ACRE	SEPTEMBER 1 TO MARCH 1	FERTILIZER SHALL BE MECHANICALLY SPREAD UNIFORMLY AND INCORPORATED INTO THE SOIL PRIOR TO PLANTING
(1)	213–C001	SUPER PHOSPHATE	0.5 TON / ACRE (EST)	MARCH 1 TO SEPTEMBER 1			SUPER PHOSPHATE (FOR BID ITEM PURPOSES)
(2)	214–A002	SEEDING (BERMUDA GRASS)	20 LBS / ACRE	MARCH 1 TO SEPTEMBER 1	20 LBS / ACRE	SEPTEMBER 1 TO MARCH 1	SEED REQUIRED ON DISTURBED AREAS. UNHULLED SEED MAY BE REQUIRED DURING THE DORMANT SEASON AS DIRECTED
(3)(5)	214–A003	SEEDING (TALL FESCUE)			15 LBS / ACRE	AUGUST 15 TO MARCH 15	SEED REQUIRED IN DISTURBED AREAS
(3)(5)	214–A004	SEEDING (CRIMSON CLOVER)			20 LBS / ACRE	AUGUST 15 TO MARCH 15	SEED REQUIRED ON DISTURBED AREA
(6)	215–A001	VEGETATIVE MATERIAL FOR MULCH	2 TONS / ACRE (EST)	MARCH 1 TO SEPTEMBER 1	2 TONS / ACRE (EST)	SEPTEMBER 1 TO MARCH 1	THE ENGINEER WILL DESIGNATE THE RATES OF APPLICABLE (SEE SUBSECTION 215–03.3)
	216–A001	SOLID SODDING	PER SQ. YD.	MARCH 1 TO SEPTEMBER 1	PER SQ. YD.	SEPTEMBER 1 TO MARCH 1	SOLID SOD REQUIRED ON AREAS SPECIFIED IN THE CONTRACT OR BY THE ENGINEER
	219–A001	WATERING	20 GAL / S.Y. (EST)	MARCH 1 TO SEPTEMBER 1	20 GAL. / S.Y. (EST)	SEPTEMBER 1 TO MARCH 1	TO BE USED AS DIRECTED IN THE PLANTING AND ESTABLISHING OF SOLID SOD
(4)	220–A001	INSECT PEST CONTROL	PER ACRE		PER ACRE		SEE SECTION 220
	TEMPORARY EROSION CONTROL ITEMS						
	212–A001	LIGHT GROUND PREPARATION	PER SQ. YD.		PER SQ. YD.		APPROXIMATELY HALF SQ.YD. STANDARD GROUND PREPARATION
	213–B001	COMBINATION FERTILIZER (13–13–13)	0.25 TONS/ ACRE		0.25 TONS/ ACRE		QUANTITY BASED ON LIGHT GROUND PREPARATION
	214–A013	SEEDING (BROWN TOP MILLET)	20 LBS / ACRE	APRIL 1 TO AUGUST 31			QUANTITY BASED ON LIGHT GROUND PREPARATION
	214–A017	SEEDING (RYE GRASS)			25 LBS / ACRE	SEPTEMBER 1 TO MARCH 31	QUANTITY BASED ON LIGHT GROUND PREPARATION
	214–A015	SEEDING (OATS)			90 LBS / ACRE	SEPTEMBER 1 TO DECEMBER 15	QUANTITY BASED ON LIGHT GROUND PREPARATION
	215–A001	VEGETATIVE MATERIAL FOR MULCH	1 TON / ACRE (EST)		1 TON / ACRE (EST)		QUANTITY BASED ON LIGHT GROUND PREPARATION

(1) ALL AREAS THAT HAVE BEEN VEGETATED, UNDER THIS CONTRACT, FOR AT LEAST (60) SIXTY DAYS, SHALL RECEIVE ADDITIONAL APPLICATION(S) OF FERTILIZER(S) OF THE TYPE(S) AND RATE(S) OF APPLICATIONS AS DETERMINED BY SOIL TEST OR AS DIRECTED DURING THE GROWING SEASONS THE CONTRACT IS IN FORCE. GROUND PREPARATION WILL NOT BE REQUIRED FOR THE ADDITIONAL APPLICATIONS.

(2) PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 100% OF THE ACREAGE WILL BE SEEDED.

(3) PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 50% OF THE ACREAGE WILL BE SEEDED.

(4) QUANTITY ESTIMATED ON THE BASIS THAT 50% OF THE ACREAGE VEGETATED MAY REQUIRED TREATMENT.

(5) THIS ITEM MAY BE OMITTED ON AREAS SELECTED BY THE ENGINEER.

(6) BAHIAGRASS WILL NOT BE PERMITTED AS A MULCH MATERIAL.

(7) PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 75% OF THE ACREAGE SEEDED MAY REQUIRE TOPSOIL

TEMPORARY EROSION CONTROL ITEMS REQUIRED FOR DETOURS

ITEM	RATE	SEASONAL LIMITATIONS
STANDARD GROUND PREPARATION	---	---
COMBINATION FERTILIZER (13–13–13)	500 LBS/ACRE	---
SEEDING (BERMUDA GRASS)	10 LBS/ACRE	---
SEEDING (TALL FESCUE)	20 LBS/ACRE	AUGUST 15 TO MARCH 15
VEGETATIVE MATERIAL FOR MULCH	2 LBS/ACRE	---

NO.	DATE	DESCRIPTION	BY

VEGETATION SCHEDULE

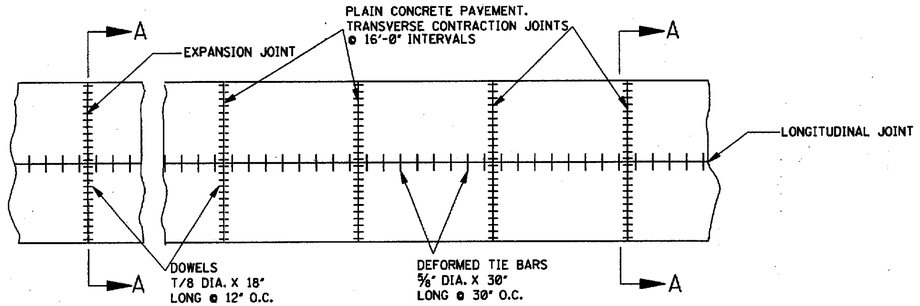
LONGLEAF TRACE – PHASE III
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS
P.O. BOX 1711
HATTIESBURG, MISSISSIPPI, 39403-1711
301 SECOND AVENUE
HATTIESBURG, MISSISSIPPI, 39401
HTTP://WWW.SD-W.COM
P: (601) 544 - 1821
F: (601) 544 - 0501

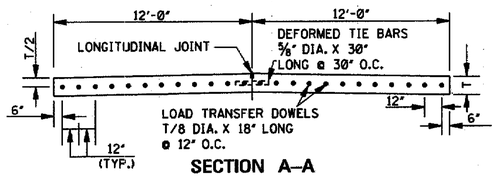
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Date: AUGUST 27, 2012	Working No. VS1	
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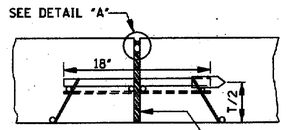
STATE	PROJECT NO.
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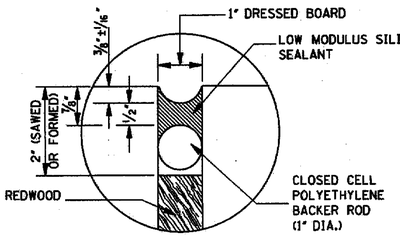
PLAN SHOWING JOINTS



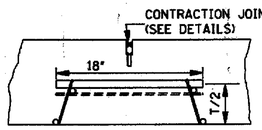
SECTION A–A



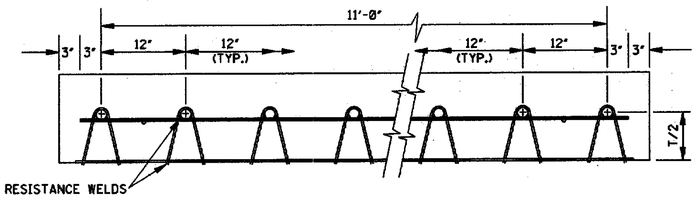
SECTION THRU EXPANSION JOINT ASSEMBLY



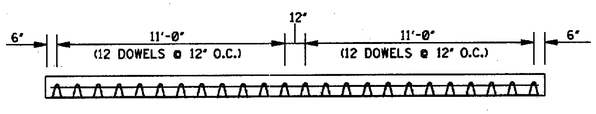
DETAIL "A"



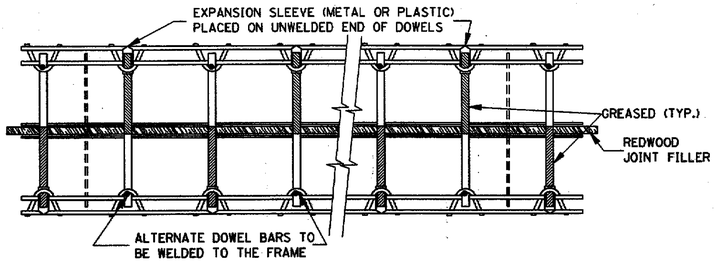
SECTION THRU CONTRACTION JOINT ASSEMBLY



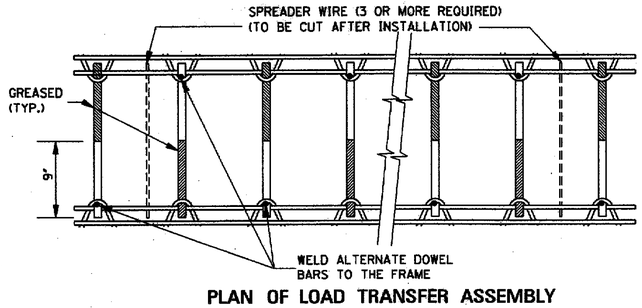
ELEVATION OF LOAD TRANSFER ASSEMBLY



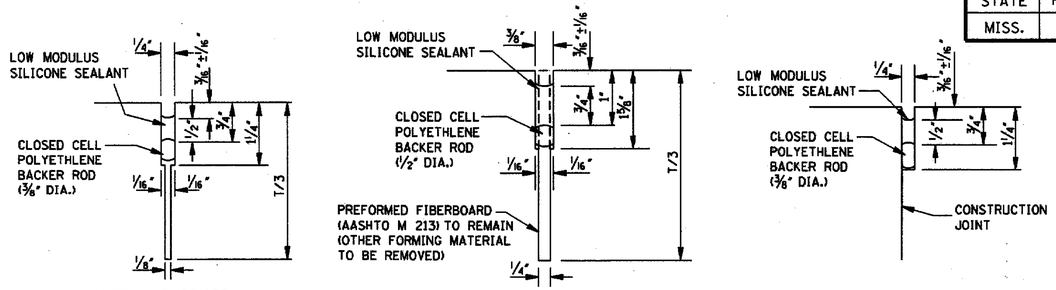
PLACEMENT OF ASSEMBLIES IN 24'–0" WIDTH PAVEMENT



PLAN OF LOAD TRANSFER ASSEMBLY (EXPANSION JOINT)

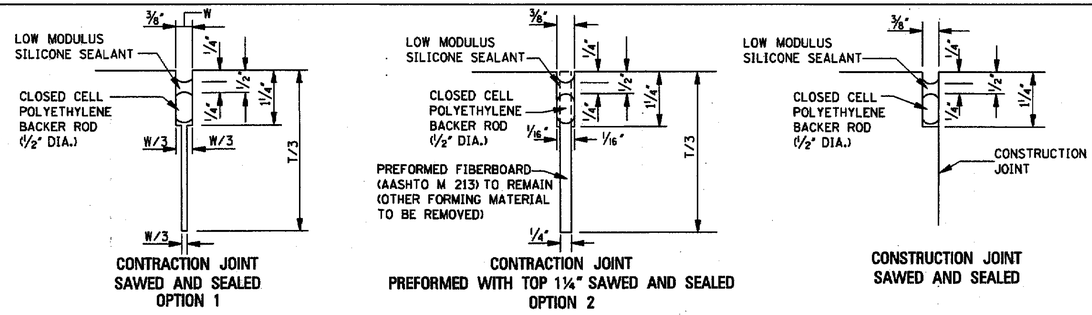


PLAN OF LOAD TRANSFER ASSEMBLY (CONTRACTION JOINT)



SAWED AND SEALED OPTION 1 | **PREFORMED WITH TOP 1⅝" SAWED AND SEALED OPTION 2** | **CONSTRUCTION JOINT SAWED AND SEALED**

LONGITUDINAL JOINTS



CONTRACTION JOINT SAWED AND SEALED OPTION 1 | **CONTRACTION JOINT PREFORMED WITH TOP 1¼" SAWED AND SEALED OPTION 2** | **CONSTRUCTION JOINT SAWED AND SEALED**

TRANSVERSE JOINTS

GENERAL NOTES:

1. DOWEL BAR SPECIFICATIONS: AASHTO M 31 GRADE 60.

   TOLERANCES: THE PERMISSIBLE VARIATION IN STRAIGHTNESS SHALL BE A MAXIMUM OF 0.075" IN THE LENGTH OF THE DOWEL. THE TOLERANCES IN THE LENGTH SHALL BE ± 0.25".

   THE MAXIMUM PERMISSIBLE ALIGNMENT VARIATION SHALL BE 0.25" IN THE LENGTH OF THE DOWEL IN EACH PLANE, BOTH HORIZONTAL AND VERTICAL.

   COATING: DOWELS SHALL BE SHOP PAINTED FULL LENGTH WITH ONE (1) OF THE FOLLOWING PAINTS AS PER SPECIFICATION: (1) FEDERAL SPECIFICATION TT-P-645, (2) FEDERAL SPECIFICATION TT-P-31D, OR (3) STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SSPC-PAINT II.

2. ASSEMBLY FRAME SPECIFICATIONS: AASHTO M 32.
   FRAME WIRE SIZES: ALL FRAME WIRES SHALL BE W5.5 OR GREATER EXCEPT THE SPREADER WIRES WHICH SHALL BE W3 OR GREATER.

3. ANCHOR PINS: THE ASSEMBLY SHALL BE SECURED TO CEMENT TREATED OR ASPHALT BASE WITH RAMSET OR EQUIVALENT TIES (MINIMUM OF 8 PER 12'-0" SECTION -- 3 ON EACH SIDE) OR OTHER APPROVED METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE ENTIRE ASSEMBLY IN SUCH A MANNER AS TO PREVENT DISPLACEMENT.

4. FOR CONSIDERATION OF USE OF OTHER LOAD TRANSFER ASSEMBLIES, THE CONTRACTOR SHALL PROVIDE DRAWINGS TO THE ENGINEER FOR APPROVAL.

5. PREFORMED FILLER IS NOT AN ALTERNATE FOR REDWOOD FILLER AT EXPANSION JOINTS UNLESS SPECIFICALLY REQUIRED ON THE PLANS.

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

CONCRETE PAVEMENT JOINTS

ENGLISH

WORKING NUMBER PJ-1

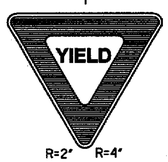
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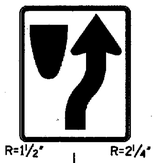
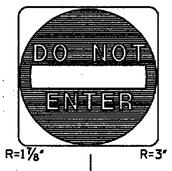
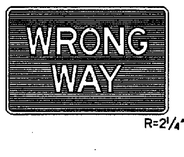
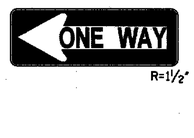
SHEET NUMBER 104

DRAWING No.: 12932.001C

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STATE	PROJECT NO.
MISS.	

SIGN NUMBER	R1-1	R1-101	R1-2	R1-102	R2-1	R2-101	R2-102	R2-104	R3-1	R3-2	R3-3	R3-4	R3-5	R4-103
ALUMINUM (6061-T6) SIGN BLANK THICKNESS	0.080"	0.125"	0.125"	0.125"	0.080"	0.125"	0.125"	0.125"	0.080"	0.080"	0.080"	0.080"	0.080"	0.125"
LEGEND			 R=2" R=4"		 R=1½" R=3"		 R=3"	 R=3"	 R=1⅞"	 R=1⅞"	 R=1½"	 R=1⅞"	 R=1⅞"	 R=3"
LETTER & NUMERAL SERIES	12" SERIES "C"	16" SERIES "C"	3" SERIES "C"	5" SERIES "C"	4" SERIES "E" 4" SERIES "E" 10" SERIES "E"	8" SERIES "E" 8" SERIES "E" 16" SERIES "E"	8" SERIES "D" 16" SERIES "E"	8" SERIES "C" 8" SERIES "C" 16" SERIES "D"			6" SERIES "D" 5" SERIES "D"		6" SERIES "D"	8" SERIES "D"
WIDTH OF BORDER INSIDE / OUTSIDE	⅞" WHITE	1¼" WHITE	5" RED ¾" WHITE	8" RED 1½" WHITE	⅝" BLACK ⅜" WHITE	1¼" BLACK ¾" WHITE	1¼" BLACK ¾" WHITE	⅛" BLACK ¾" WHITE	¾" BLACK ½" WHITE	¾" BLACK ½" WHITE	⅝" BLACK ⅜" WHITE	¾" BLACK ½" WHITE	¾" BLACK ½" WHITE	1¼" BLACK ¾" WHITE
SIZE (WIDTH X HEIGHT)	36" OCTAGON	48" OCTAGON	36" EQUIL. TRIANGLE	60" EQUIL. TRIANGLE	24" X 30"	48" X 60"	48" X 48"	48" X 48"	30" X 30"	30" X 30"	24" X 24"	30" X 30"	30" X 36"	48" X 60"
COLORS COPY / BACKGROUND	WHITE / RED	WHITE / RED	RED / WHITE	RED / WHITE	BLACK / WHITE	BLACK / WHITE	BLACK / WHITE	BLACK / WHITE	BLACK & RED / WHITE	BLACK & RED / WHITE	BLACK / WHITE	BLACK & RED / WHITE	BLACK / WHITE	BLACK / WHITE
REFLECTORIZATION	ALL	ALL	ALL	ALL	B'GROUND	B'GROUND	BACKGROUND	BACKGROUND	BACKGROUND, CIRCLE, & DIAGONAL	BACKGROUND, CIRCLE, & DIAGONAL	BACKGROUND	BACKGROUND, CIRCLE, & DIAGONAL	BACKGROUND	BACKGROUND
NUMBER OF POSTS FOR MOUNTING	1	1	1	1	1	1	---	---	1	1	1	1	1	1
NUMBER OF HOLES TO BE PUNCHED (⅜" DIA.)	2	4	2	4	2	6	4	4	2	2	2	2	2	6
PUNCHING DISTANCE FROM EACH VERTICAL EDGE	18" (VERT. CENTER)	10"	18" (VERT. CENTER)	20"	12" (VERT. CENTER)	10"	10"	10"	15" (VERT. CENTER)	15" (VERT. CENTER)	12" (VERT. CENTER)	15" (VERT. CENTER)	15" (VERT. CENTER)	10"
PUNCHING DISTANCE FROM TOP EDGE	3"; 33"	10"; 38"	2"; 26"	3"; 27"	3"; 27"	4"; 30"; 56"	4"; 44"	4"; 44"	3"; 27"	3"; 27"	3"; 21"	3"; 27"	3"; 33"	4"; 30"; 56"

SIGN NUMBER	R4-7	R4-107	R4-8	R5-1	R5-101	R5-1a	R6-1L, R6-1R	R6-2L, R6-2R	R8-104	R11-101	
ALUMINUM (6061-T6) SIGN BLANK THICKNESS	0.080"	0.125"	0.080"	0.080"	0.125"	0.125"	0.125"	0.080"	0.125"	0.125"	
LEGEND	 R=1½" R=2¼"		 R=1½"	 R=1⅞" R=3"		 R=2¼"	 R=1½"	 R=1½"	 R=2¼"	 R=3"	
LETTER & NUMERAL SERIES				4" SERIES "D"	6" SERIES "D"	8" SERIES "D"	4" SERIES "D"	5" SERIES "D"	6" SERIES "D"	10" SERIES "C"	
WIDTH OF BORDER INSIDE / OUTSIDE	⅝" BLACK ⅜" WHITE	⅞" BLACK ⅝" WHITE	⅝" BLACK ⅜" WHITE	WHITE OUT-SIDE BORDER	WHITE OUT-SIDE BORDER	1" WHITE	½" WHITE	⅝" BLACK ⅜" WHITE	⅞" BLACK ⅝" WHITE	1¼" BLACK ¾" WHITE	
SIZE (WIDTH X HEIGHT)	24" X 30"	36" X 48"	24" X 30"	30" X 30"	42" X 42"	42" X 36"	36" X 12"	18" X 24"	48" X 36"	48" X 60"	
COLORS COPY / BACKGROUND	BLACK / WHITE	BLACK / WHITE	BLACK / WHITE	WHITE / RED	WHITE / RED	WHITE / RED	BLACK (WHITE ARROW) / BLACK	BLACK / WHITE	BLACK / WHITE	BLACK / WHITE	
REFLECTORIZATION	BACKGROUND	BACKGROUND	BACKGROUND	ALL	ALL	ALL	ARROW & BORDER	BACKGROUND	BACKGROUND	BACKGROUND	
NUMBER OF POSTS FOR MOUNTING	1	1	1	1	1	1	1	1	2	1	
NUMBER OF HOLES TO BE PUNCHED (⅜" DIA.)	2	4	2	2	4	4	2	2	4	6	
PUNCHING DISTANCE FROM EACH VERTICAL EDGE	12" (VERT. CENTER)	5"	12" (VERT. CENTER)	15" (VERT. CENTER)	8"	8"	18" (VERT. CENTER)	9" (VERT. CENTER)	10"	10"	
PUNCHING DISTANCE FROM TOP EDGE	3"; 27"	4"; 44"	3"; 27"	3"; 27"	4"; 38"	3"; 33"	1½"; 10½"	3"; 21"	6"; 30"	4"; 30"; 56"	

GENERAL NOTES:

1. THE QUANTITIES LISTED ON THE SUMMARY OF QUANTITIES SHEET FOR THE SIGNS SHOWN ON THIS SHEET WILL BE USED AS THE BASIS FOR FINAL PAYMENT, EXCEPT WHERE SIGNS ARE MODIFIED FROM THAT SHOWN.
2. THE SPEED LIMITS REQUIRED ON SIGNS R2-1 AND R2-101 WILL BE SHOWN ON INDIVIDUAL PLAN SHEETS.

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STANDARD ROADSIDE SIGNS

ENGLISH

WORKING NUMBER SN-3A

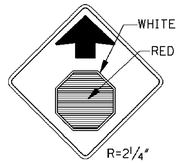
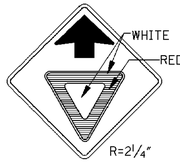
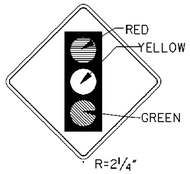
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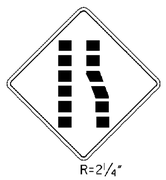
ISSUE DATE: OCTOBER 1, 1998

DRAWING No.: 12932.001C

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STATE	PROJECT NO.
MISS.	

SIGN NUMBER	W1-1L W1-1R	W1-2L W1-2R	W1-3L W1-3R	W1-4L W1-4R	W1-6L W1-6R	W1-7	W3-1a	W3-2a	W3-3	W4-1L W4-1R	W4-101L W4-101R
ALUMINUM (6061-T6) SIGN BLANK THICKNESS	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"	0.125"
LEGEND											
LETTER & NUMERAL SERIES											
WIDTH OF BORDER INSIDE / OUTSIDE	3/4" BLACK 1/2" YELLOW	3/4" BLACK 1/2" YELLOW	3/4" BLACK 1/2" YELLOW	3/4" BLACK 1/2" YELLOW	3/4" BLACK 1/2" YELLOW	3/4" BLACK 1/2" YELLOW	7/8" BLACK 5/8" YELLOW	7/8" BLACK 5/8" YELLOW	7/8" BLACK 5/8" YELLOW	3/4" BLACK 1/2" YELLOW	1/4" BLACK 3/4" YELLOW
SIZE (WIDTH X HEIGHT)	30" X 30"	30" X 30"	30" X 30"	30" X 30"	48" X 24"	48" X 24"	36" X 36"	36" X 36"	36" X 36"	30" X 30"	48" X 48"
COLORS COPY / BACKGROUND	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW
REFLECTORIZATION	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND & SYMBOL	BACKGROUND & SYMBOL	BACKGROUND & "LIGHTS"	BACKGROUND	BACKGROUND
NUMBER OF POSTS FOR MOUNTING	1	1	1	1	2	2	1	1	1	1	1
NUMBER OF HOLES TO BE PUNCHED (3/8" DIA.)	2	2	2	2	4	4	2	2	2	2	4
PUNCHING DISTANCE FROM EACH VERT. EDGE	VERT. CENTER	VERT. CENTER	VERT. CENTER	VERT. CENTER	6"	6"	VERT. CENTER	VERT. CENTER	VERT. CENTER	VERT. CENTER	14 1/2" FROM VERT. CENTER
PUNCHING DISTANCE FROM TOP EDGE	15" FROM HORIZ. CENTER	15" FROM HORIZ. CENTER	15" FROM HORIZ. CENTER	15" FROM HORIZ. CENTER	3"; 21"	3"; 21"	18" FROM HORIZ. CENTER	18" FROM HORIZ. CENTER	18" FROM HORIZ. CENTER	15" FROM HORIZ. CENTER	14 1/2" FROM HORIZ. CENTER

SIGN NUMBER	W4-2	W5-1	W6-1	W6-2	W6-3	W13-1	W13-2	W13-3	W10-1	W10-101
ALUMINUM (6061-T6) SIGN BLANK THICKNESS	0.125"	0.125"	0.125"	0.125"	0.125"	0.080"	0.125"	0.125"	0.125"	0.125"
LEGEND	NOTE: SEE PLAN SHEETS FOR IDEOGRAM REQUIRED ON INDIVIDUAL SIGNS. 									
LETTER & NUMERAL SERIES	6" SERIES "D"					8" SERIES "E" 3" SERIES "E"	8" SERIES "E" 16" SERIES "E" 6" SERIES "E" (SEE NOTE)	8" SERIES "E" 16" SERIES "E" 6" SERIES "E" (SEE NOTE)	8" SERIES "E"	10" SERIES "E"	
WIDTH OF BORDER INSIDE / OUTSIDE	7/8" BLACK 5/8" YELLOW	7/8" BLACK 5/8" YELLOW	7/8" BLACK 5/8" YELLOW	7/8" BLACK 5/8" YELLOW	3/4" BLACK 1/2" YELLOW	5/8" BLACK 3/8" YELLOW	1 1/4" BLACK 3/4" YELLOW	1 1/4" BLACK 3/4" YELLOW	3/4" BLACK 1/2" YELLOW	1 1/4" BLACK 3/4" YELLOW	
SIZE (WIDTH X HEIGHT)	36" X 36"	36" X 36"	36" X 36"	36" X 36"	30" X 30"	18" X 18"	48" X 60"	48" X 60"	36" DIAMETER	48" DIAMETER	
COLORS COPY / BACKGROUND	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	BLACK YELLOW	
REFLECTORIZATION	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	BACKGROUND	
NUMBER OF POSTS FOR MOUNTING	1	1	1	1	⚠ 1	1	1	1	1	1	
NUMBER OF HOLES TO BE PUNCHED (3/8" DIA.)	2	2	2	2	2	2	6	6	2	4	
PUNCHING DISTANCE FROM EACH VERT. EDGE	VERT. CENTER	VERT. CENTER	VERT. CENTER	VERT. CENTER	VERT. CENTER	9" (VERT. CENTER)	10"	10"	15"	15" (VERT. CENTER)	
PUNCHING DISTANCE FROM TOP EDGE	18" FROM HORIZ. CENTER	18" FROM HORIZ. CENTER	18" FROM HORIZ. CENTER	18" FROM HORIZ. CENTER	15" FROM HORIZ. CENTER	3"; 15"	4"; 30"; 56"	4"; 30"; 56"	3"; 33"	5"; 43"	

GENERAL NOTES:

1. THE QUANTITIES LISTED ON THE SUMMARY OF QUANTITIES SHEET FOR THE SIGNS SHOWN ON THIS SHEET WILL BE USED AS THE BASIS FOR FINAL PAYMENT, EXCEPT WHERE SIGNS ARE MODIFIED FROM THAT SHOWN.
2. SIGNS W13-2 AND W13-3- THE STROKE WIDTH OF THE LETTER AND NUMERALS SHALL BE WIDENED TO 20% OF THE LETTER OR NUMERAL HEIGHT.
3. THE SPEEDS REQUIRED ON SIGNS W13-1, W13-2 AND W13-3 WILL BE SHOWN ON INDIVIDUAL PLAN SHEETS.

⚠

DATE	REVISION	BY
3-01-02	REVISED NO. OF POSTS	S.W.R.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STANDARD ROADSIDE SIGNS

ENGLISH

WORKING NUMBER
SN-3B

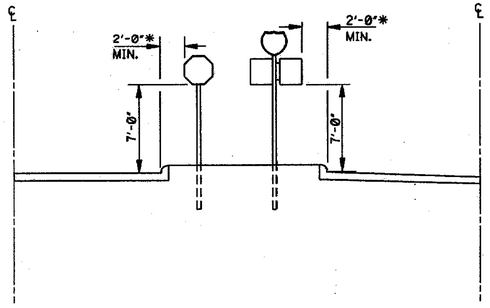
SHEET NUMBER
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ISSUE DATE: OCTOBER 1, 1998

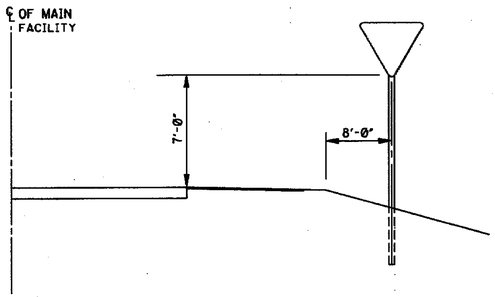
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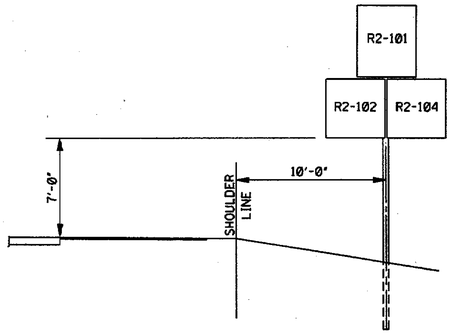
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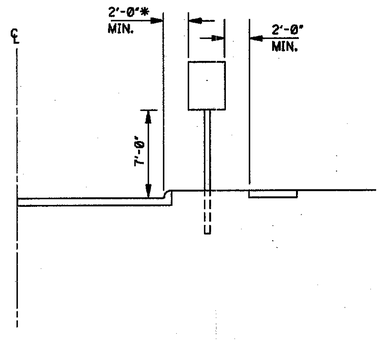
STATE	PROJECT NO.
MISS.	



TYPICAL INSTALLATION IN ISLANDS OFF
OF (OR ADJACENT TO) INTERSTATE MAIN FACILITY

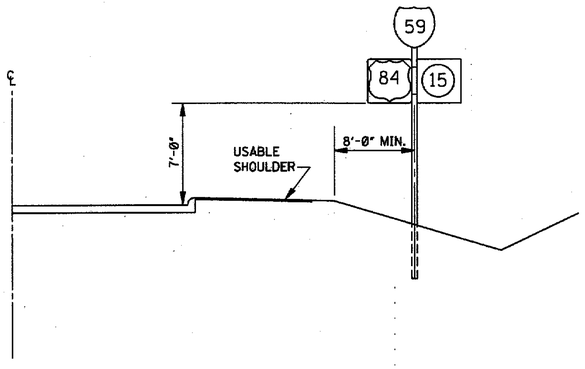


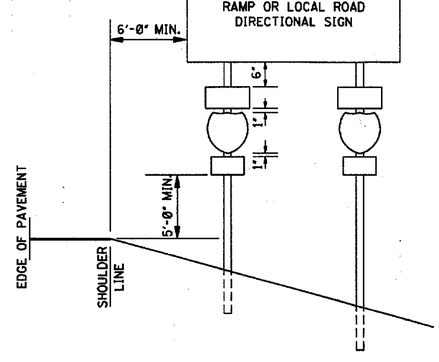




TYPICAL INSTALLATION ALONG FRONTAGE ROAD, RAMP
OR STREET WHERE THERE IS NOT A USABLE SHOULDER

* NOTE: THE 2'-0" MINIMUM OFFSET APPLIES ONLY TO STANDARD SIGNS MOUNTED ON U-SECTION POSTS. ALL STANDARD SIGNS MOUNTED ON PIPE WILL BE OFFSET A MINIMUM OF 4'-0". RAMP DESTINATION SIGNS WILL BE OFFSET 4'-0" FROM SHOULDERS.





TYPICAL INSTALLATION ALONG THE INTERSTATE MAIN FACILITY AND ALONG RAMPS, FRONTAGE ROADS AND HIGHWAYS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION

ENGLISH

WORKING NUMBER
SN-4

SHEET NUMBER
225

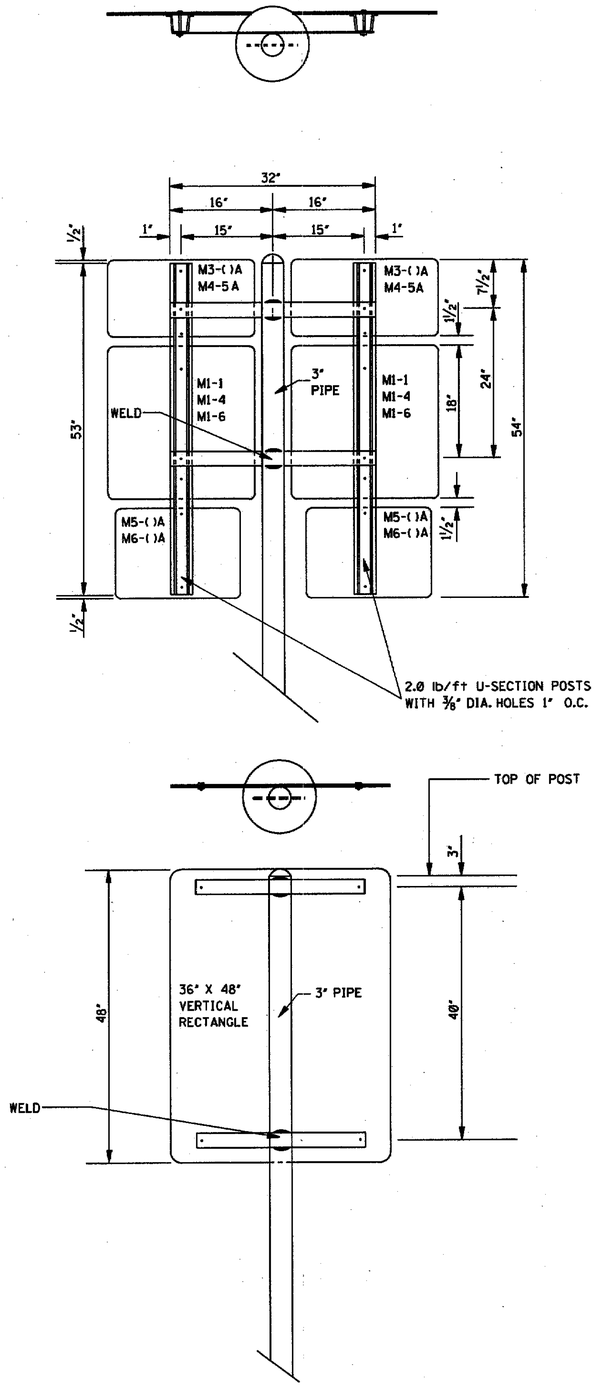
REVISION BY
DATE

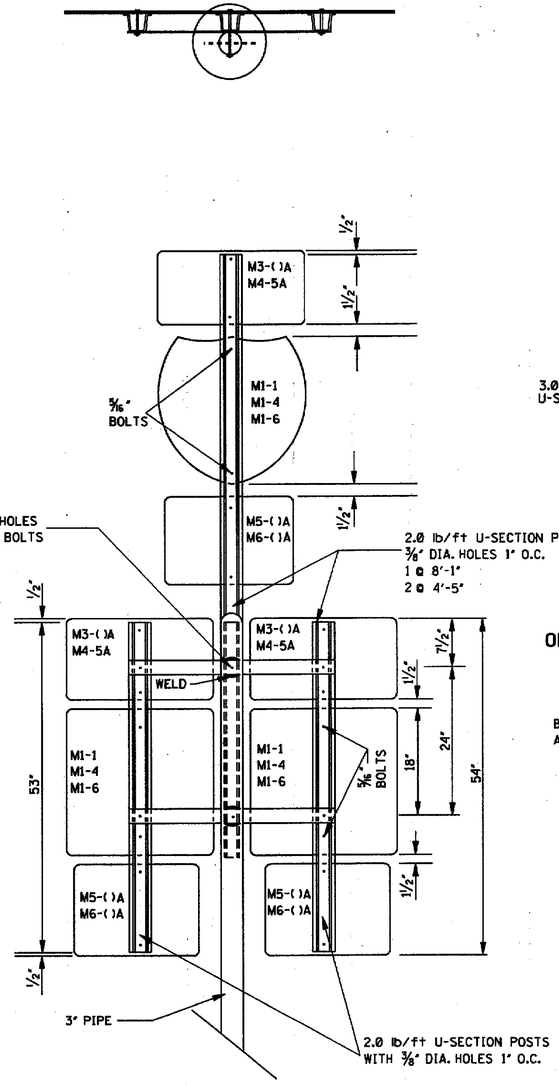
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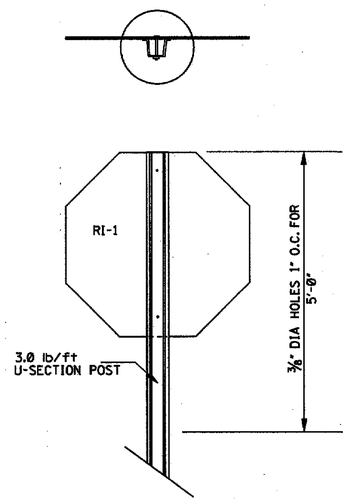
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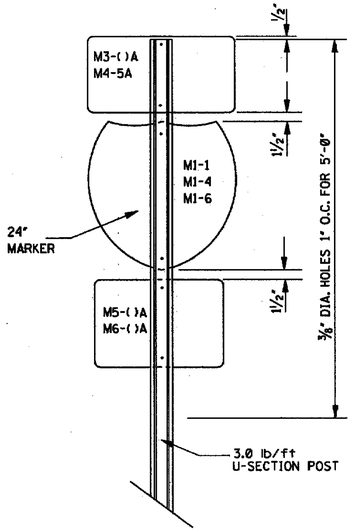
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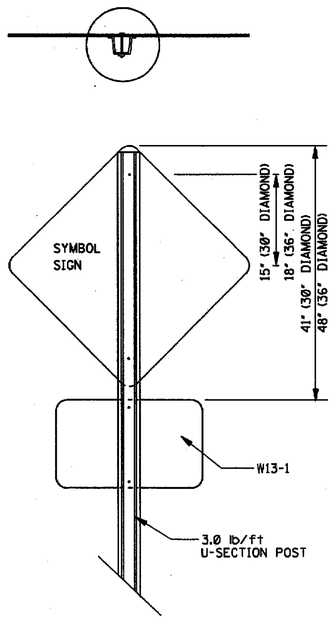
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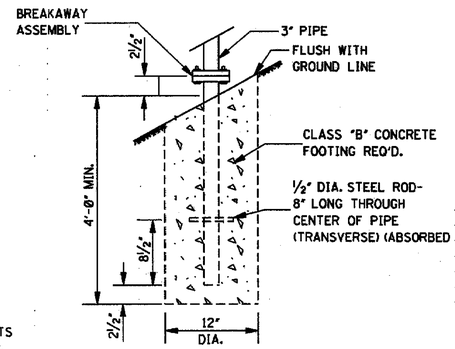




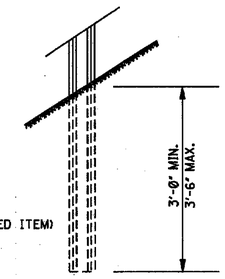




TYPICAL ASSEMBLY OF "FLAT TOPPED" REGULATORY OR WARNING SIGN MOUNTED ON A SINGLE U-SECTION POST



FOOTING DETAIL FOR 3" PIPE



FOOTING DETAIL FOR U-SECTION POSTS

GENERAL NOTES:

1. UNLESS OTHERWISE SPECIFIED, HORIZONTAL BRACES ARE 7/16" X 2½" X VARIABLE LENGTH FLAT STEEL BARS. BARS ARE WELDED TO PIPE AS SHOWN. WHEN FABRICATION IS COMPLETE, POST SHALL BE GALVANIZED AS PER SECTION 630 OF THE STANDARD SPECIFICATION.
2. HOLES IN FLAT BARS ARE ⅜" DIAMETER.
3. SIGNS ARE FASTENED TO FLAT BARS AND U-SECTION POST WITH 5/16" BOLTS, WITH FLAT WASHER AND LOCK-NUTS.
4. GROUND PLATE NOT REQURIED ON U-SECTION POST.

BY
REVISION
DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION

ENGLISH

WORKING NUMBER
SN-4A

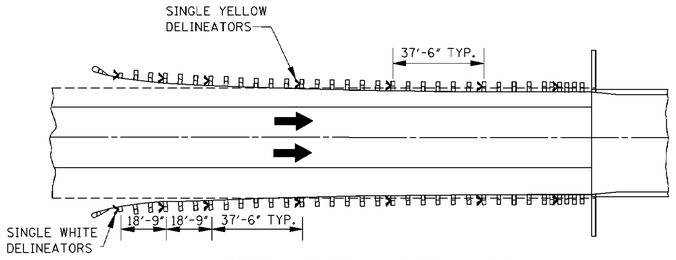
ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER
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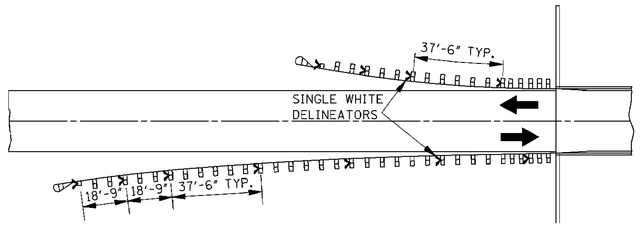
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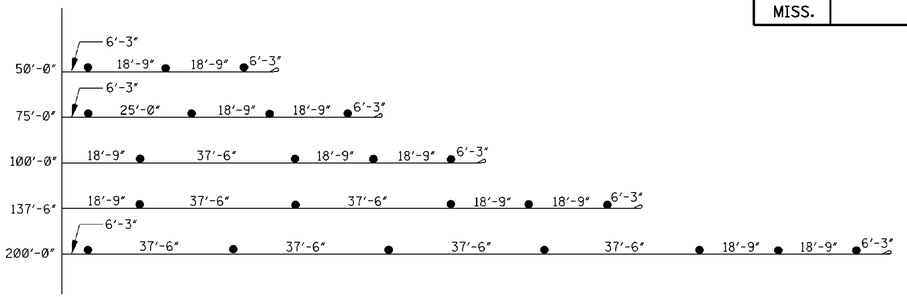
STATE	PROJECT NO.
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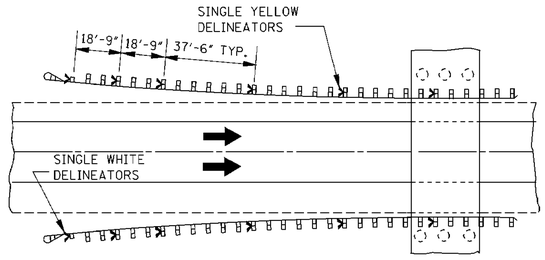
BRIDGE APPROACH INSTALLATION
(ONE-WAY TRAFFIC)



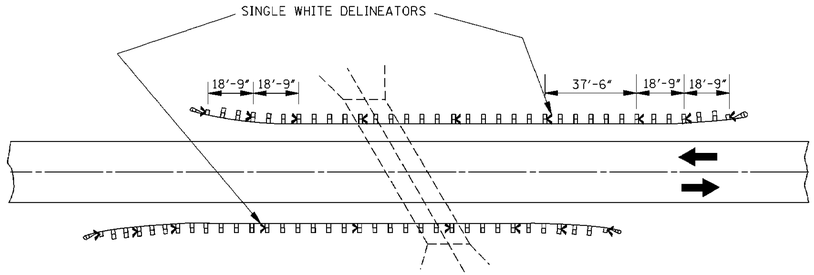
BRIDGE APPROACH INSTALLATION
(TWO-WAY TRAFFIC)



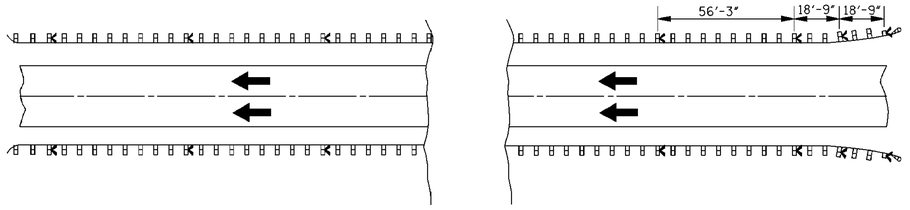
GRAPHIC SHOWING SPACINGS OF GUARDRAIL DELINEATORS AT SOME COMMONLY USED BRIDGE APPROACHES



ROADSIDE OBSTACLE INSTALLATION–LENGTH 250' OR LESS
(ONE-WAY TRAFFIC)



ROADSIDE OBSTACLE INSTALLATION–LENGTH 250' OR LESS
(TWO-WAY TRAFFIC)



EMBANKMENT OR ROADSIDE OBSTACLE INSTALLATION–LENGTH GREATER THAN 250'
(ONE-WAY TRAFFIC)

NOTE: ONE-WAY TRAFFIC SHOWN. DELINEATOR SPACING FOR TWO-WAY TRAFFIC SIMILAR. DELINEATOR COLOR WILL BE THE SAME AS THE ADJACENT PAVEMENT EDGE MARKING. THE FIRST THREE (3) MARKERS WILL FACE TRAFFIC IN OFF LANE FOR TWO-WAY TRAFFIC AS SHOWN IN DRAWING FOR OBSTACLE INSTALLATION FOR TWO-WAY TRAFFIC.

GENERAL NOTES:

1. THE UNIT PRICE OF DELINEATOR INCLUDES: COST(S) OF DELINEATOR FACE(S), POST, HARDWARE AND INSTALLATION.

2. DELINEATOR FACE WILL BE ENCAPSULATED LENS REFLECTIVE SHEETING.

3. DELINEATORS FOR GUARDRAIL SHALL BE MOUNTED ON STEEL POSTS OR FLEXIBLE POSTS AS FOLLOWS:

   3A. DELINATORS ON STEEL POSTS:

   1. DELINEATOR FACE SHALL BE PLACED ON 0.080" THICK SHEET ALUMINUM OR 14 GAUGE GALVANIZED SHEET STEEL.

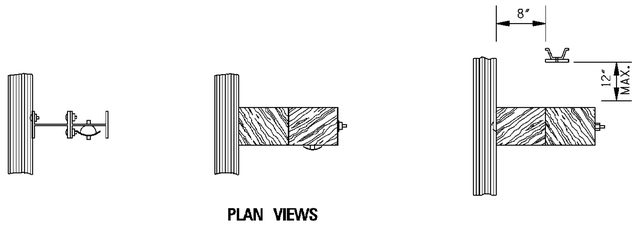
   2. DELINEATOR POSTS SHALL BE GALVANIZED STEEL U-SECTION POSTS (2.0 lb/ft TO 2.5 lb/ft). THE POSTS ARE TO BE FABRICATED BEFORE THE METAL IS GALVANIZED. RADIUS IN BENDS OF POST CROSS-SECTION NOT TO EXCEED $\frac{1}{32}$" FOR HOT ROLLED SECTION.

   3. WHEN COVER OVER A DRAINAGE STRUCTURE IS LESS THAN THE NORMAL DELINEATOR POST DEPTH, THE DELINEATOR POSTS WILL BE FIELD CUT, DRILLED AND FASTENED TO THE BACK OF THE GUARDRAIL POSTS WITH (2) $\frac{1}{4}$" DIA. LAG SCREWS.

   3B. DELINEATORS ON FLEXIBLE POSTS:

   ⚠

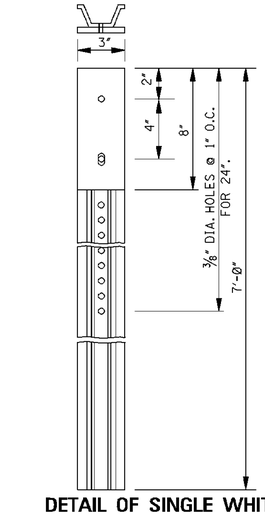
   1. THE DELINEATOR POSTS WILL BE FROM THE DEPARTMENTS "APPROVED SOURCE OF MATERIALS" AND WILL BE FASTENED TO GUARDRAIL POST IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.



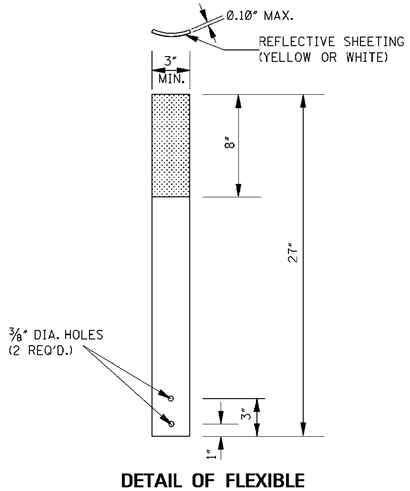
PLAN VIEWS

TYPICAL FLEXIBLE POST DELINEATOR GUARDRAIL INSTALLATION

TYPICAL STEEL POST DELINEATOR GUARDRAIL INSTALLATION



DETAIL OF SINGLE WHITE OR SINGLE YELLOW DELINEATOR



DETAIL OF FLEXIBLE GUARDRAIL DELINEATOR

DATE	REVISION	BY
3-01-02	DELETED NOTE	S.W.R.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

TYPICAL GUARDRAIL DELINEATION

ENGLISH

WORKING NUMBER
SN-8C

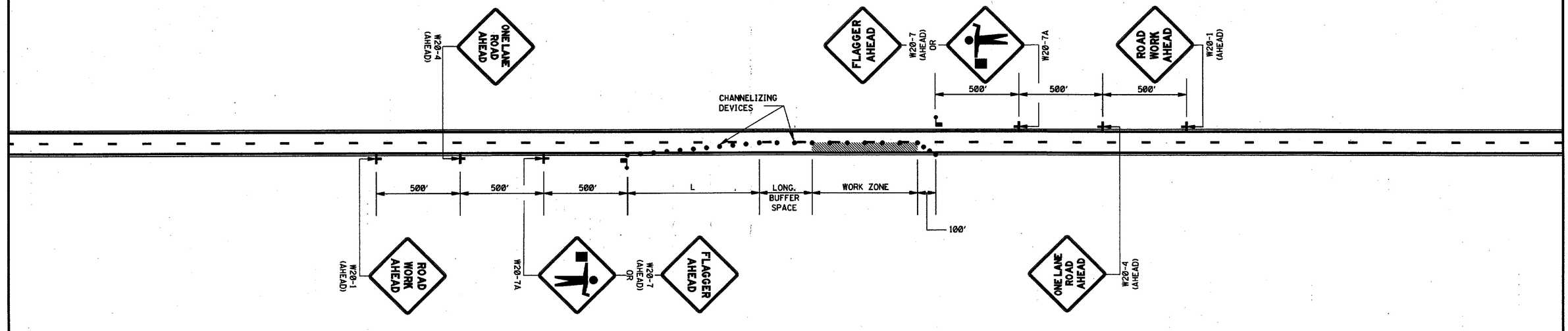
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ISSUE DATE: OCTOBER 1, 1998

DRAWING No.: 12932.001C

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STATE	PROJECT NO.
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LEGEND

FLAGGER

● CHANNELIZING DEVICES

GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		MINIMUM LONGITUDINAL BUFFER SPACE (ft)	TAPER † RATES
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
≤40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	70:1

† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
L = WS FOR SPEEDS OF 45 mph OR GREATER
L = $WS^2/60$ FOR SPEEDS OF 40 mph OR LESS
WHERE: L = MINIMUM LENGTH OF TAPER IN FEET
W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 24" IN HEIGHT.
3. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" x 48".
5. WHEN THERE IS NO EXISTING HAZARD OR AT THE END OF THE WORK DAY, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
6. WHERE THE WORK ZONE IS STATIONARY, THE W20-7 (500 FT.) SIGN OR THE W20-7A SIGN TOGETHER WITH THE W20-7 (500 FT.) SUPPLEMENTAL PLATE SHOULD BE USED TO INDICATE THE DISTANCE TO THE FLAGGER.

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

TRAFFIC CONTROL PLAN WITH FLAGGER
(ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)

ENGLISH

WORKING NUMBER
TCP-1

SHEET NUMBER
250

ISSUE DATE: OCTOBER 1, 1998

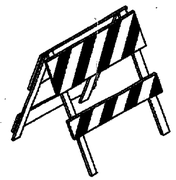
DRAWING No.: 12932.001C

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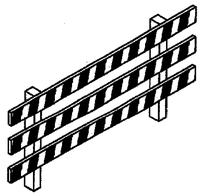
STATE	PROJECT NO.
MISS.	



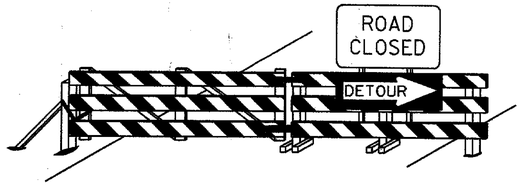
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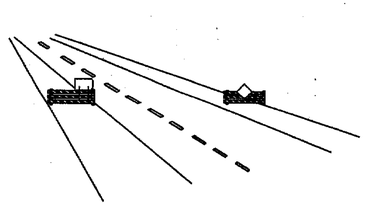
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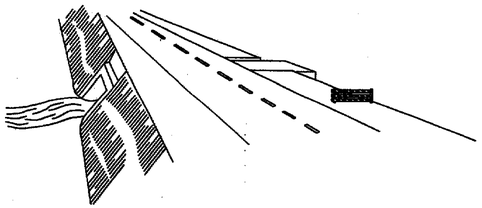


TYPE III



BARRICADE CLOSING A ROAD





STANDARD BARRICADES

1. A TYPE I BARRICADE CONSISTS OF ONE (1) HORIZONTAL RAIL SUPPORTED BY A DEMOUNTABLE FRAME OR A LIGHT "A" FRAME. A TYPE I BARRICADE NORMALLY WOULD BE USED ON CONVENTIONAL ROADS OR URBAN STREETS AND ARTERIALS.
2. A TYPE II BARRICADE CONSISTS OF TWO (2) HORIZONTAL RAILS ON A LIGHT "A" FRAME. TYPE II BARRICADES ARE INTENDED FOR USE ON EXPRESSWAYS AND FREEWAYS AND OTHER HIGH-SPEED ROADWAYS.
3. TYPE I AND TYPE II BARRICADES ARE INTENDED FOR USE WHERE THE HAZARD IS RELATIVELY SMALL AS, FOR EXAMPLE, ON CITY STREETS, OR FOR THE MORE OR LESS CONTINUOUS DELIMITING OF A RESTRICTED ROADWAY, OR FOR TEMPORARY DAYTIME USE.
4. A TYPE III BARRICADE CONSISTS OF THREE (3) HORIZONTAL RAILS SUPPORTED BY FIXED POSTS, A RIGID SKID, A HEAVY DEMOUNTABLE FRAME OR A HEAVY, HINGED "A" FRAME.
5. TYPE III BARRICADES ARE INTENDED FOR USE ON CONSTRUCTION AND MAINTENANCE PROJECTS AS WING BARRICADES AND AT ROAD CLOSURES, WHERE THEY MUST REMAIN IN PLACE FOR EXTENDED PERIODS.
6. THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS).
7. DO NOT PLACE SANDBAGS OR OTHER DEVICES TO PROVIDE MASS ON THE BOTTOM RAIL THAT WILL BLOCK VIEW OR RAIL FACE.
8. FOR ADDITIONAL INFORMATION OR DETAILS, SEE MUTCD, LATEST EDITION.

BARRICADE CHARACTERISTICS

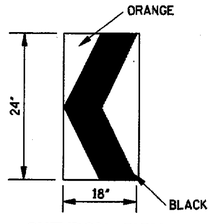
	I	II	III
WIDTH OF RAIL **	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.
LENGTH OF RAIL**	24" MIN.	24" MIN.	48" MIN.
WIDTH OF STRIPE *	6"	6"	6"
HEIGHT	36" MIN.	36" MIN.	60" MIN.
NUMBER OF REFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS
TYPE OF FRAME	LIGHT	LIGHT "A" FRAME	POST OR SKID

* 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.

** 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 in^2 OF REFLECTIVE AREA FACING TRAFFIC.

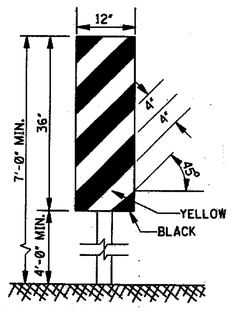
WING BARRICADES

1. WING BARRICADES ARE TYPE III BARRICADES ERECTED ON THE SHOULDER ON ONE OR BOTH SIDES OF THE PAVEMENT TO GIVE THE SENSATION OF A NARROWING OR RESTRICTED ROADWAY. WING BARRICADES MAY BE USED AS A MOUNTING FOR THE ADVANCE WARNING SIGNS OR FLASHERS.
2. WING BARRICADES SHOULD BE USED:
   A. IN ADVANCE OF A CONSTRUCTION PROJECT EVEN WHEN NO PART OF THE ROADWAY IS ACTUALLY CLOSED.
   B. IN ADVANCE OF ALL BRIDGE OR CULVERT WIDENING OPERATIONS.



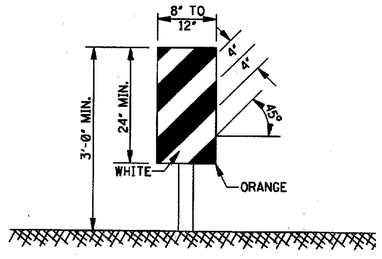
CHEVRON SIGN DETAIL

1. A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.
2. THE CHEVRON SIGN SHALL BE MOUNTED ON FIXED POST OR RIGID SKID.
3. CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHALL BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.



TYPE 3 OBJECT MARKER
(OM-3R)

1. TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DEEMED NECESSARY BY THE ENGINEER.
2. THE OM-3R IS SHOWN. THE OM-3L IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.
3. THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

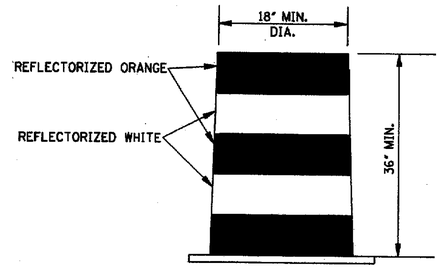


VERTICAL PANEL

1. VERTICAL PANELS CONSIST OF AT LEAST ONE PANEL 8" TO 12" IN WIDTH AND A MINIMUM OF 24" IN HEIGHT.
2. THE DIAGONAL STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION THAT TRAFFIC IS TO PASS THE PANEL. THE PANELS SHALL BE MOUNTED WITH THE TOP A MINIMUM OF 36" ABOVE THE ROADWAY ON A SINGLE LIGHTMASS POST.
3. VERTICAL PANELS USED ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH-SPEED ROADWAYS SHALL HAVE A MINIMUM OF 270 in^2 OF RETROREFLECTIVE AREA FACING TRAFFIC.
4. FOR TWO-WAY TRAFFIC OPERATIONS, BACK-TO-BACK PANELS SHALL BE USED.

GENERAL NOTES:

1. MARKINGS ON ALL DEVICES SHOWN ON THIS SHEET SHALL BE HIGH INTENSITY REFLECTIVE SHEETING.
2. THE TRAFFIC CONTROL PLAN WILL LIST THE VARIOUS TRAFFIC CONTROL DEVICES REQUIRED FOR EACH PROJECT.



PLASTIC DRUM STRIPING DETAIL

1. PLASTIC DRUMS SHALL BE ON END AND USED AS AN EXPEDIENT METHOD FOR TRAFFIC CHANNELIZATION. THE COLOR AND MARKING OF DRUMS SHALL BE CONSISTENT WITH MARKING STANDARDS FOR BARRICADE. THE PREDOMINANT COLOR ON DRUMS SHALL BE ORANGE WITH FOUR (4) REFLECTORIZED, HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.
2. DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.
3. WHERE PRACTICAL PLASTIC DRUMS SHALL BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS

ENGLISH

WORKING NUMBER
TCP-10

ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER
259

DRAWING No.: 12932.001C

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4" CAST IRON DRAIN PIPE PLACED WHERE DESIGNATED ELSEWHERE ON PLANS OR BY THE ENGINEER. PAYMENT FOR THE PIPE SHALL BE MADE ON A SEPARATE BASIS.

NOTE: DRIVEWAY REINFORCEMENT SHALL BE 6 X 6 - W1.4 X W1.4 OR 6 X 6 - D1.4 X D1.4 WIRE MESH WHERE REQUIRED.

½" EXPANSION JOINTS 25'-0" ON CENTER

5'-0" 5'-0" 5'-0" 5'-0" 5'-0"

PRIVATE DRIVEWAY OR ALLEY

PRIVATE SIDEWALK

SIDEWALK

CURB CUT RAMP

4'-0" (MIN.)

TRANSITION

STREET

TRANSITION IN GRADE SHALL BE MADE BACK OF THE END OF CURB RETURN.

SIDEWALK

½" EXPANSION JOINTS

CURB OMITTED FOR FUTURE DRIVEWAY CONSTRUCTION

PAVED DRIVEWAY

4'-0" (MIN.)

TOP OF CURB AT POINT "A" (END OF CURB RETURN) SHALL BE NOT MORE THAN 2% ABOVE OR 4% BELOW POINT "B" (TOP OF CURB PROJECTED ALONG TANGENT OF RETURN.

CURB & GUTTER

CURB & GUTTER

TYPE "3"

TYPE "2"

½" EXPANSION JOINT REQUIRED AT THE ENDS OF ALL RADIUS RETURNS, BOTH SIDES OF STRUCTURES, AND AT 60' NOMINAL SPACING ON STRAIGHT RUNS. WHEN CURB AND GUTTER IS USED WITH PANEL CONCRETE PAVEMENT, SPACING OF EXPANSION JOINTS SHALL BE ADJUSTED TO MATCH JOINTS IN THE PAVEMENT. THE JOINTS SHALL BE FORMED OF PREMOLDED JOINT FILLER CUT TO FULL CROSS-SECTION AND SHALL EXTEND THE FULL DEPTH, WIDTH AND LENGTH OF THE CONSTRUCTION. ½" DEEP SCORING REQUIRED AT 20' SPACING AND ON BOTH SIDES OF DRIVEWAYS.

ROADWAY PAVEMENT

1" EXPANSION JOINT SPACED AS SHOWN ELSEWHERE ON PLANS

℄ ROADWAY

CURB CUT RAMP

CURB CUT RAMP

VAR. RADIUS

RADIUS

PAVED DRIVEWAY

RADIUS

CURB & GUTTER

CURB & GUTTER

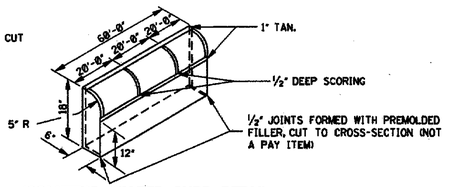
6'-0" MIN. 10'-0" MAX.

TYPE "1"

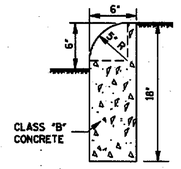
ROADWAY JOINTS. SEE JOINT LAYOUT ELSEWHERE IN PLANS.

SECTIONS OF CURB & GUTTER SHORTER THAN 10'-0" WILL BE PERMITTED WHERE NECESSARY FOR CLOSURE, BUT NO SECTION LESS THAN 6'-0" IN LENGTH WILL BE PERMITTED.

PLAN SHOWING ARRANGEMENT OF CURB & GUTTER, DRIVEWAYS AND SIDEWALK

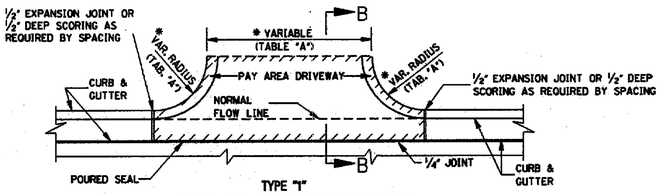


ISOMETRIC HEADER CURB DETAIL SHOWING JOINTS



DETAIL OF HEADER CURB

CONTRACTION JOINTS REQUIRED AT 20' O.C. EXPANSION JOINTS REQUIRED AT 60' O.C. UNLESS OTHERWISE DIRECTED BY ENGINEER.

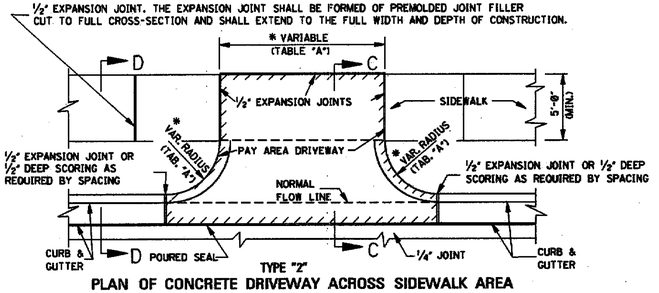


TYPE "1"

PLAN OF CONCRETE DRIVEWAY

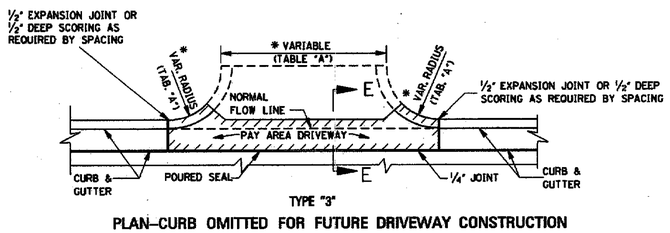
*TABLE "A"		
DRIVEWAY TYPE	DRIVEWAY WIDTH (ft)	CURB RETURN RADIUS (ft)
RESIDENTIAL	16'	3' - 10'
COMMERCIAL/ INDUSTRIAL	30' - 50'	5' - 30'

11.858 yd² FOR DRIVEWAY 16'-0" IN WIDTH.
0.574 yd² FOR EACH ADDED OR SUBTRACTED FOOT OF WIDTH.
NOTE: THIS DRIVEWAY AREA EXAMPLE IS COMPUTED ON THE BASIS OF 3'-0" RADIUS. PAYMENT FOR CURB RADIUS SHALL BE INCLUDED IN COMPENSATION FOR DRIVEWAY.



TYPE "2"

PLAN OF CONCRETE DRIVEWAY ACROSS SIDEWALK AREA

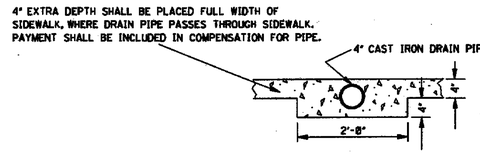


TYPE "3"

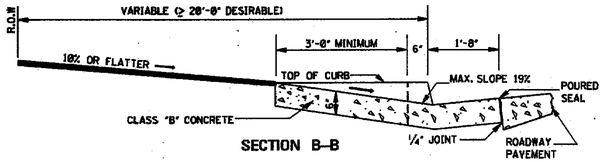
PLAN–CURB OMITTED FOR FUTURE DRIVEWAY CONSTRUCTION

NOTE: THIS TYPE CONSTRUCTION SHALL BE USED WHERE DESIGNATED ELSEWHERE ON PLANS OR BY THE ENGINEER.

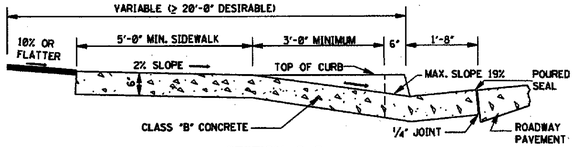
4" EXTRA DEPTH SHALL BE PLACED FULL WIDTH OF SIDEWALK, WHERE DRAIN PIPE PASSES THROUGH SIDEWALK. PAYMENT SHALL BE INCLUDED IN COMPENSATION FOR PIPE.



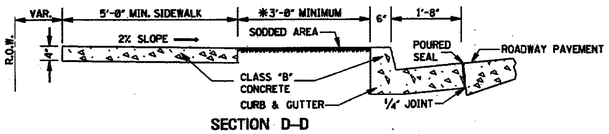
SECTION A–A



SECTION B–B

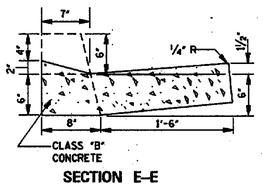


SECTION C–C

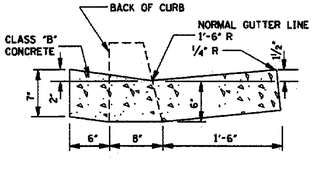


SECTION D–D

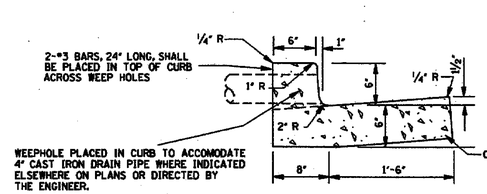
*NOTE: THE 3'-0" BUFFER SHOWN IS FOR A BUFFER ZONE. BUFFER ZONE IS NOT REQUIRED UNLESS INDICATED ELSEWHERE ON PLANS.



SECTION E–E

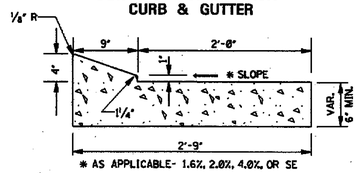


DETAIL OF VALLEY GUTTER



TYPE "1"

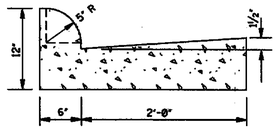
DETAIL OF COMBINATION CURB & GUTTER



* AS APPLICABLE- 1.6%, 2.0%, 4.0%, OR SE

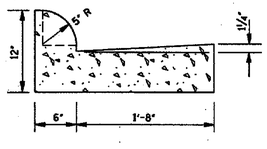
TYPE "2"

DETAIL OF COMBINATION CURB & GUTTER



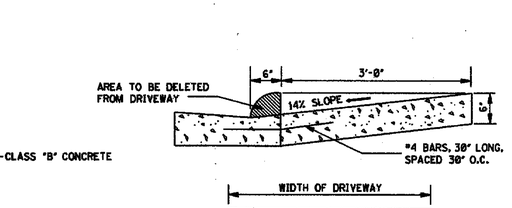
TYPE "3A"

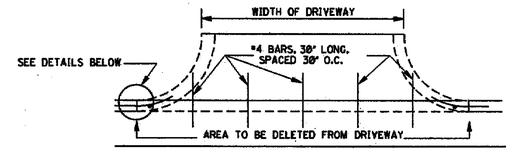
DETAIL OF COMBINATION CURB & GUTTER

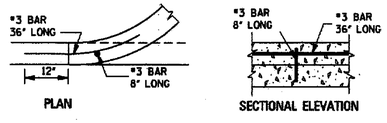


TYPE "3B"

DETAIL OF COMBINATION CURB & GUTTER







PERMISSIBLE DRIVEWAY CONSTRUCTION METHOD FOR SLIP–FORM PLACEMENT OF CURB & GUTTER

GENERAL NOTES:

1. THE STANDARD SPECIFICATIONS ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL, UNLESS OTHERWISE SPECIFIED HEREIN, APPLY TO ALL ITEMS INCLUDED ON THIS DRAWING.
2. TRAVERSE CONTRACTION JOINTS ARE REQUIRED AT 20' ON CENTER FOR ALL CONCRETE DRIVEWAYS THAT EXTEND PAST THE END OF THE CURB RETURN. A ½" WIDE EXPANSION JOINT IS REQUIRED AT THE END OF THE CURB RETURN AND AT 60' ON CENTER THROUGHOUT THE LENGTH OF THE DRIVEWAY. A LONGITUDINAL CONTRACTION JOINT IS REQUIRED FOR ALL DRIVEWAYS EXCEEDING 20' IN WIDTH.
3. SEE SHEET CCR-1 FOR DETAILS OF CURB-CUT RAMPS.

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

DRIVEWAYS, CURB & GUTTER & SIDEWALK

ISSUE DATE: OCTOBER 1, 1998

WORKING NUMBER SD-1

SHEET NUMBER 287

DRAWING No.: 12932.001C

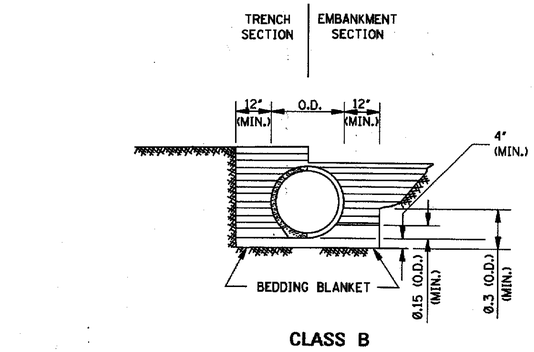
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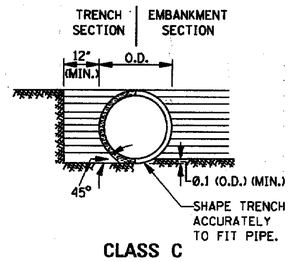
CORRUGATED STEEL AND ALUMINUM PIPE (ROUND) H-20 LOADING

PIPE DIAMETER (in)	MINIMUM COVER FROM TOP OF PIPE TO TOP OF SUBGRADE (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) — SHEET THICKNESS (in)				
		0.064 STEEL 0.060 ALUM. 16 GAGE	0.079 STEEL 0.075 ALUM. 14 GAGE	0.109 STEEL 0.105 ALUM. 12 GAGE	0.138 STEEL 0.135 ALUM. 10 GAGE	0.168 STEEL 0.164 ALUM. 8 GAGE
		2⅔" X ½" CORRUGATED STEEL / RIVETED, WELDED OR HELICAL		3" X 1" OR 5" X 1" CORRUGATED STEEL RIVETED, WELDED, HELICAL OR BOLTED		2⅔" X ½" CORRUGATED ALUMINUM / RIVETED OR HELICAL
12"	12"	84' / - / 45'	91' / - / 45'	- / - / 78'	- / - / 81'	- / - / 84'
15"	12"	67' / - / -	73' / - / -	- / - / -	- / - / -	- / - / -
18"	12"	56' / - / 30'	61' / - / 30'	- / - / 52'	- / - / 54'	- / - / 56'
24"	12"	42' / - / 22'	46' / - / 22'	59' / - / 39'	- / - / 41'	- / - / 42'
30"	12"	34' / - / 18'	36' / - / 18'	47' / - / 31'	- / - / 32'	- / - / 34'
36"	12"	28' / 48' / 15'	30' / 60' / 15'	39' / 78' / 26'	41' / 89' / 27'	- / 101' / 28'
42"	12"	31' / 41' / -	43' / 51' / 26'	46' / 64' / 43'	48' / 71' / 43'	50' / 79' / 44'
48"	12"	27' / 36' / -	37' / 45' / -	45' / 57' / 40'	46' / 61' / 41'	47' / 66' / 43'
54"	12"	- / 32' / -	33' / 40' / -	43' / 52' / 35'	44' / 55' / 37'	45' / 59' / 38'
60"	12"	- / 29' / -	- / 36' / -	43' / 49' / -	43' / 51' / 33'	44' / 54' / 34'
66"	12"	- / 26' / -	- / 33' / -	42' / 47' / -	43' / 49' / 30'	43' / 51' / 31'
72"	12"	- / 24' / -	- / 30' / -	- / 44' / -	41' / 47' / -	43' / 49' / 29'
78"	12"	- / 22' / -	- / 28' / -	- / 41' / -	- / 46' / -	39' / 47' / -
84"	12"	- / 21' / -	- / 26' / -	- / 38' / -	- / 45' / -	35' / 46' / -
90"	12"	- / 19' / -	- / 24' / -	- / 35' / -	- / 43' / -	- / 45' / -
96"	12"	- / 18' / -	- / 22' / -	- / 33' / -	- / 40' / -	- / 44' / -
102"	24"	- / 17' / -	- / 21' / -	- / 31' / -	- / 38' / -	- / 42' / -
108"	24"	- / - / -	- / 20' / -	- / 30' / -	- / 35' / -	- / 39' / -
114"	24"	- / - / -	- / 19' / -	- / 28' / -	- / 34' / -	- / 37' / -
120"	24"	- / - / -	- / - / -	- / 27' / -	- / 32' / -	- / 35' / -

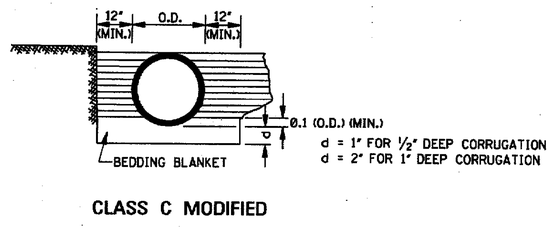
NOTE: THE AVERAGE INSIDE DIAMETER SHALL NOT VARY MORE THAN ONE (1) PERCENT OR ½", WHICHEVER IS GREATER, FROM THE NOMINAL DIAMETER WHEN MEASURED ON THE INSIDE CREST OF THE CORRUGATIONS (AASHTO M 36M/M 36 & AASHTO M 196M/M 196).



CLASS B



CLASS C



CLASS C MODIFIED

MAXIMUM HEIGHT OF FILL OVER REINFORCED CONCRETE PIPE

CLASS OF PIPE	TYPE OF BACKFILL	MAXIMUM COVER (ft) CLASS "C" BEDDING	MAXIMUM COVER (ft) CLASS "B" BEDDING
III	NORMAL	16'	-
IV	NORMAL	23'	28'
V	NORMAL	30'	36'
IV	IMPERFECT	-	90'
V	IMPERFECT	-	115'

NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.

MAXIMUM HEIGHT OF FILL OVER CLASS 2 NONREINFORCED CONCRETE PIPE, PERFORATED AND/OR PLAIN, FOR UNDERDRAINS

PIPE SIZE (in)	MAXIMUM COVER (ft) BEDDING CLASS "C"/CLASS "B" — TRENCH B_d (in)	TRENCH SAND & GRAVEL	TRENCH DAMP CLAY	PROJECTING POSITIVE $p = 0.7; R_{sd} = 0.7$
4"	2.00'	*	*	34'/42'
6"	2.00'	*	*	25'/30'
8"	2.25'	*	16'/ *	19'/24'
10"	2.50'	*	12'/20'	16'/19'
12"	2.75'	*	12'/18'	14'/17'

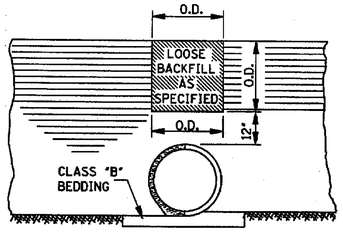
NOTES:
* 1. INDICATES NO LIMIT OF FILL HEIGHT (130 lbs/ft³).
2. TRENCH WIDTH (B_d) NO GREATER THAN 16" PLUS O.D.
3. FACTOR OF SAFETY IS 1.25 ON MINIMUM ULTIMATE STRENGTH.
4. MINIMUM COVER FOR HIGHWAY LOADS IS 18".
5. PERFORATED PIPE SHALL BE TYPE 1.

CORRUGATED METAL PIPE ARCHES H-20 LOADING

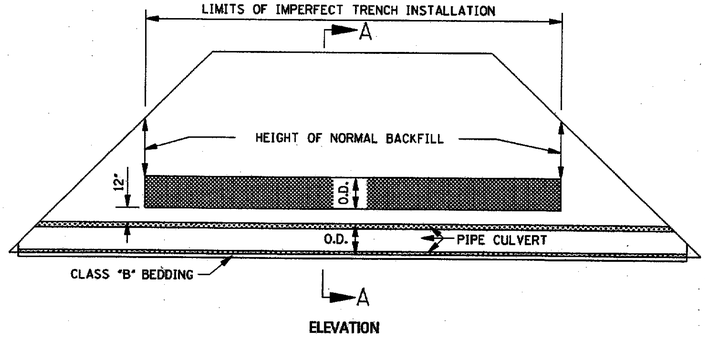
EQUIV. DIAMETER (in)	PIPE DIMENSION (SPAN X RISE) (in)	MINIMUM CORNER RADIUS (in)	MINIMUM COVER FROM TOP OF PIPE TO TOP OF SUBGRADE FOR 2 tons/ft² (in)	STEEL — MINIMUM THICKNESS REQUIRED (in)	STEEL — MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) FOR THE FOLLOWING CORNER BEARING PRESSURE (tons/ft²)		ALUMINUM — MINIMUM THICKNESS REQUIRED (in)	ALUMINUM — MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) FOR THE FOLLOWING CORNER BEARING PRESSURE (tons/ft²)	
					2 tons/ft²	† 3 tons/ft²		2 tons/ft²	† 3 tons/ft²
				2⅔" X ½" CORRUGATION RIVETED, WELDED OR HELICAL			2⅔" X ½" CORRUGATION RIVETED OR HELICAL		
15"	17" X 13"	3"	18"	0.064"	13'	15'+	0.060"	15'	-
18"	21" X 15"	3"	18"	0.064"	12'	15'+	0.060"	14'	-
24"	28" X 20"	3"	18"	0.064"	10'	15'	0.060"	10'	15'+
30"	35" X 24"	3"	18"	0.079"	9'	14'	0.060"	9'	14'
36"	42" X 29"	3½"	18"	0.079"	9'	13'	0.075"	9'	13'
42"	49" X 33"	4"	18"	0.079"	8'	12'	0.105"	8'	12'
48"	57" X 38"	5"	18"	0.109"	8'	12'	0.135"	8'	12'
54"	64" X 43"	6"	18"	0.109"	8'	12'	0.135"	8'	12'
60"	71" X 47"	7"	18"	0.138"	8'	12'	0.164"	8'	12'
66"	77" X 52"	8"	18"	0.168"	8'	12'			
72"	83" X 57"	9"	18"	0.168"	9'	13'			
				5" X 1" OR 3" X 1" CORRUGATION RIVETED, WELDED OR HELICAL					
36"	40" X 31"	5"	18"	0.079"	12'	15'+			
42"	46" X 36"	6"	18"	0.079"	12'	15'+			
48"	53" X 41"	7"	18"	0.079"	12'	15'+			
54"	60" X 46"	8"	18"	0.079"	12'	15'+			
60"	66" X 51"	9"	18"	0.079"	12'	15'+			
66"	73" X 55"	12"	18"	0.079"	15'+	-			
72"	81" X 59"	14"	18"	0.079"	15'	-			
78"	87" X 63"	14"	18"	0.079"	14'	15'+			
84"	95" X 67"	16"	18"	0.109"	13'	15'+			
90"	103" X 71"	16"	24"	0.109"	12'	15'+			
96"	112" X 75"	18"	24"	0.109"	11'	15'+			

NOTES:
1. THE AVERAGE INSIDE DIAMETER SHALL NOT VARY MORE THAN ONE (1) PERCENT OR ½", WHICHEVER IS GREATER, FROM THE NOMINAL DIAMETER WHEN MEASURED ON THE INSIDE CREST OF THE CORRUGATIONS. (AASHTO M 36M/M 36 & AASHTO M 196M/M 196).

† 2. BEARING PRESSURES EXCEEDING 2 tons/ft² REQUIRED FOR GIVEN FILL HEIGHT SHALL HAVE FOUNDATION MATERIALS INVESTIGATED TO DETERMINE BEARING CAPACITY.



SECTION A-A



ELEVATION

IMPERFECT TRENCH INSTALLATION

GENERAL NOTES:

1. MINIMUM SPACING BETWEEN MULTIPLE LINES OF PARALLEL PIPE SHALL BE THE DISTANCE REQUIRED FOR INSTALLING THE ADJACENT FLARED END SECTIONS OR AS SHOWN ON THE HEADWALL DRAWINGS FOR CONDUITS REQUIRING HEADWALLS.

2. UNLESS OTHERWISE INDICATED, THE TOP OF THE PIPE SHALL BE BELOW THE TOP OF THE SUBGRADE, AND A MINIMUM OF 12" OF COVER OVER THE TOP OF THE PIPE SHALL BE MAINTAINED BETWEEN THE SHOULDER LINES.

3. WHERE PRE-BED PIPE IS INSTALLED, FLARED END SECTIONS FROM OTHER MANUFACTURERS MAY BE JOINED TO PRE-BED PIPE PROVIDED A CONCRETE COLLAR IS PLACED AT THE CONTRACTORS EXPENSE AND A DEFORMATION TO THE PIPE'S FLOWLINE IS NOT EVIDENT ON FINAL PLACEMENT.

BY | REVISION | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

PIPE CULVERT INSTALLATION

DEPARTMENT OF TRANSPORTATION STATE OF MISSISSIPPI ENGLISH

WORKING NUMBER PI-1

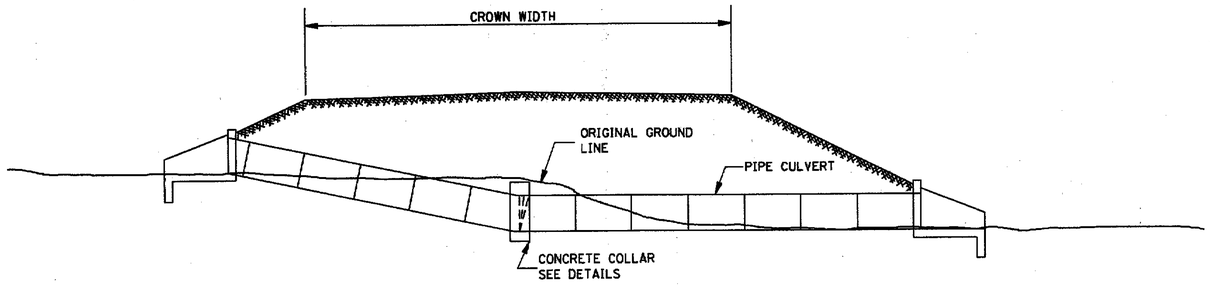
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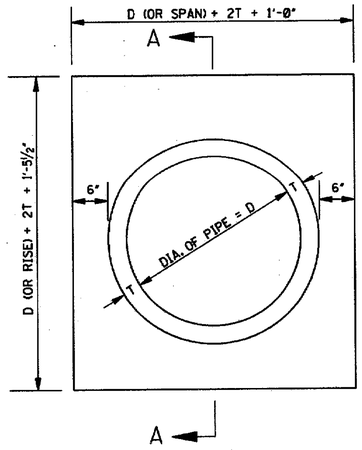
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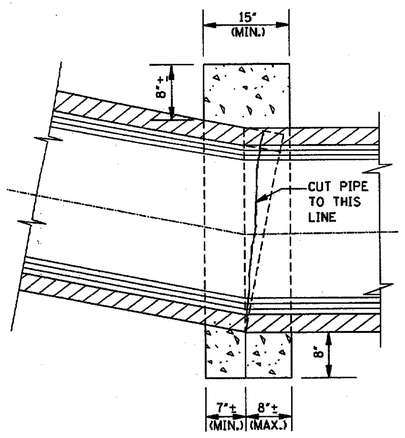


TYPICAL INSTALLATION FOR PIPE CULVERT WITH BROKEN FLOW LINE



ELEVATION OF CONCRETE COLLAR

NOTE: CIRCULAR PIPE IS SHOWN, ARCH PIPE IS SIMILAR.



SECTION A–A

GENERAL NOTE:

1. THE FOLLOWING QUANTITIES SHALL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE:

QUANTITIES FOR
CONCRETE COLLAR FOR PIPE CULVERTS

CIRCULAR PIPE		ARCH PIPE	
DIA. OF PIPE	CLASS "B" CONCRETE (yd^3)	SIZE OF PIPE	CLASS "B" CONCRETE (yd^3)
12"	0.240		
15"	0.260	18 x 11	0.280
18"	0.320	22 x 13	0.310
24"	0.410	29 x 18	0.410
30"	0.510	36 x 23	0.490
36"	0.620	44 x 27	0.600
42"	0.730	51 x 31	0.690
48"	0.850	58 x 36	0.820
54"	0.980	65 x 40	0.920
60"	1.110	73 x 45	1.070
66"	1.248	88 x 54	1.366
72"	1.393		

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

CONCRETE PIPE COLLAR

ENGLISH

WORKING NUMBER
PC-1

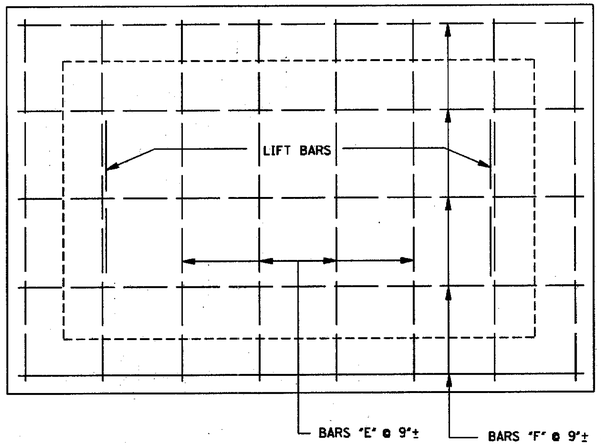
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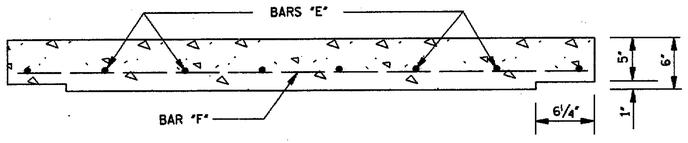
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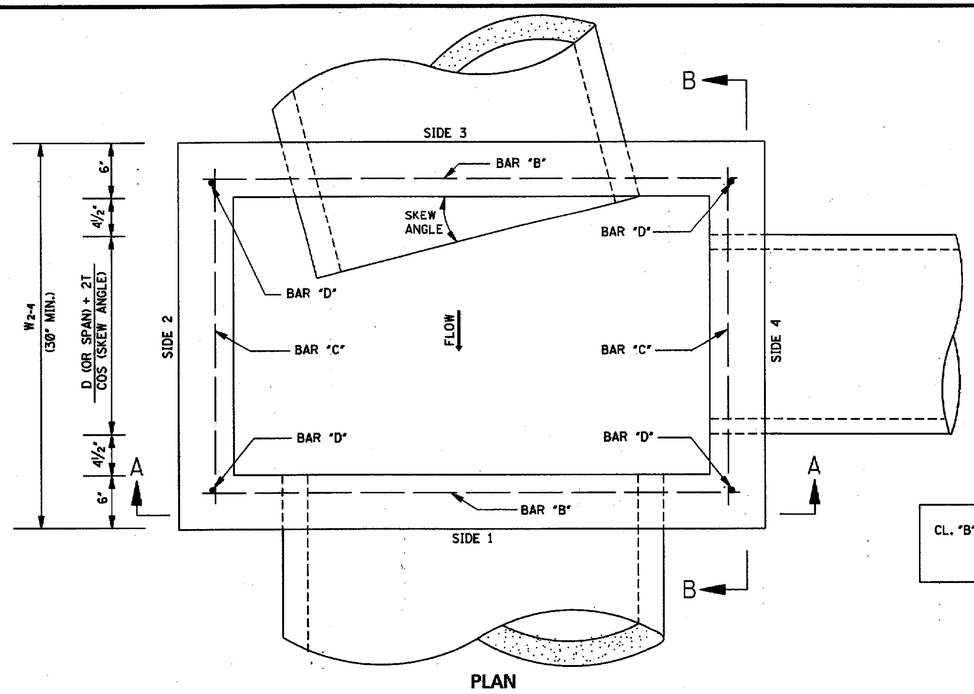
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PLAN OF COVER



ELEVATION OF COVER



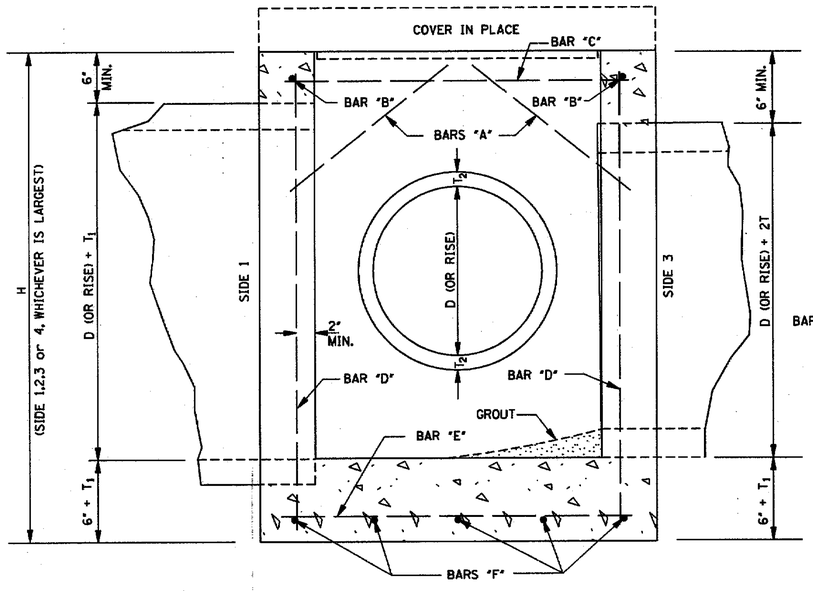
PLAN

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
A	#4	2 PER PIPE OPENING	$\sqrt{196" + \left(\frac{W^*}{2} + 2"\right)^2}$
B	#4	2	W_{1-3} - 6"
C	#4	2	W_{2-4} - 6"
D	#4	4	H - 6"
E	#4	$2\left[\left(\frac{W_{1-3}}{9"}\right)^{**} + 1\right]$	W_{2-4} - 4"
F	#4	$2\left[\left(\frac{W_{2-4}}{9"}\right)^{**} + 1\right]$	W_{1-3} - 4"

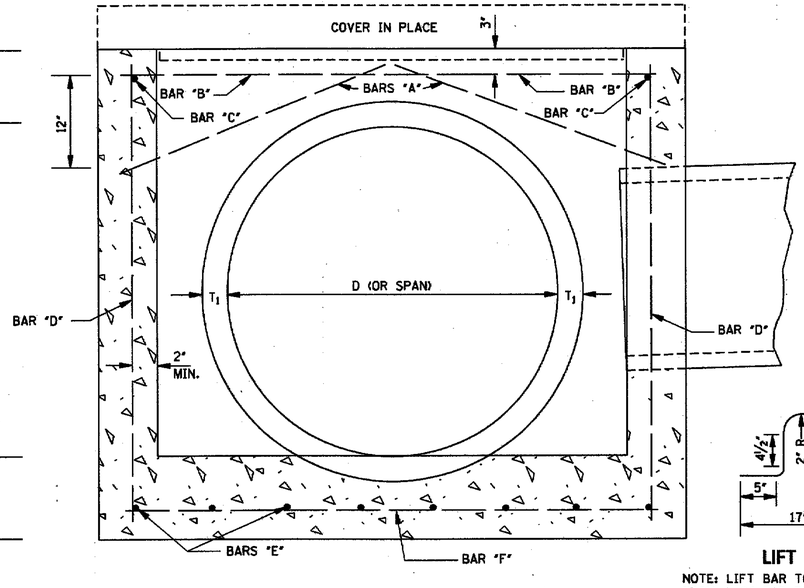
NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
D (OR SPAN) = PIPE DIAMETER (OR SPAN)
W_{1-3} = WIDTH OF SIDE 1 & SIDE 3
W_{2-4} = WIDTH OF SIDE 2 & SIDE 4
W^* = W_{1-3} OR W_{2-4} (SIDE OF ENTERING PIPE)
** = ROUND TO NEAREST WHOLE NUMBER

CL. "B" CONC. (yd^3) = [(Q1 + Q2) / 46,656] - ∑ PIPE OPENING DEDUCTIONS
WHERE: $Q1 = [5"W_{1-3}W_{2-4}] + [1"(W_{1-3} - 12.5"XW_{2-4} - 12.5")] + [(T_1 + 6")W_{1-3}W_{2-4}]$
$Q2 = 12"[H - (T_1 + 6")][(W_{1-3} - 12") + W_{2-4}]$

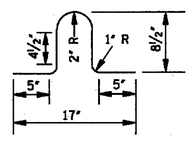
COMMON PIPE SIZE					
CIRCULAR PIPE				ARCH PIPE		
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd^3)		PIPE SIZE	T	PIPE OPENING DEDUCTION (yd^3)
18"	2½"	0.053		22" x 13"	2½"	0.053
24"	3"	0.091		29" x 18"	3"	0.087
30"	3½"	0.138		36" x 23"	3½"	0.129
36"	4"	0.196		44" x 27"	4"	0.185
42"	4½"	0.263		51" x 31"	4½"	0.245
48"	5"	0.340		58" x 36"	5"	0.318
54"	5½"	0.427		65" x 40"	5½"	0.394
60"	6"	0.524		73" x 45"	6"	0.489
66"	6½"	0.630				
72"	7"	0.747				



SECTION B–B



SECTION A–A



LIFT BAR

NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.

GENERAL NOTES:

1. REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
2. QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
3. CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS.
4. SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
5. IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

JUNCTION BOX FOR PIPE CULVERTS

ENGLISH

WORKING NUMBER JB-1

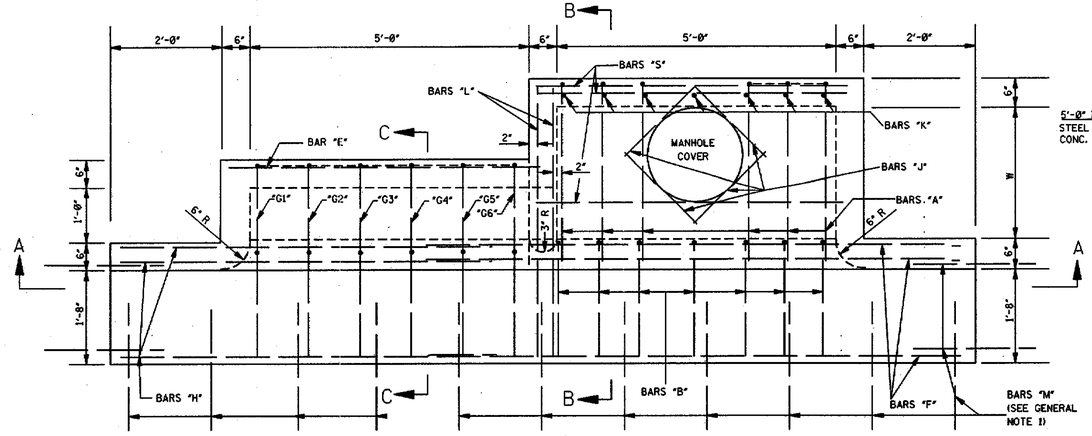
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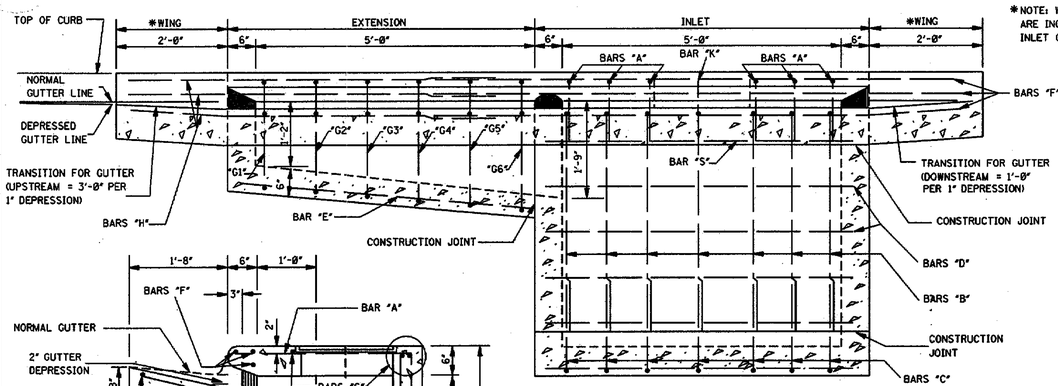
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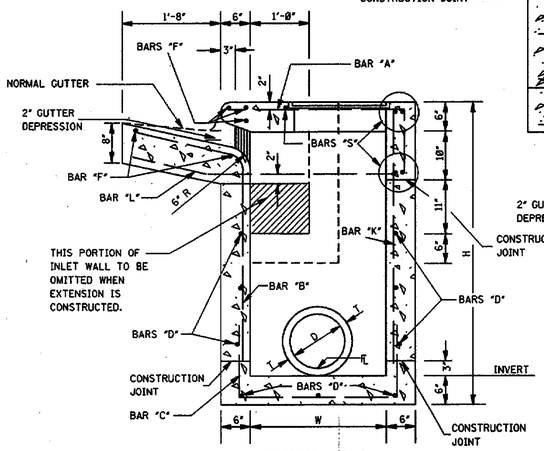
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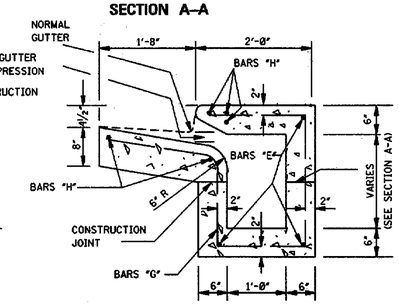
PLAN



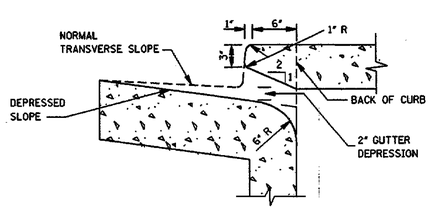
SECTION A–A



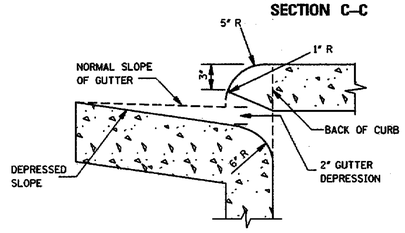
SECTION B–B



SECTION C–C

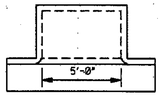


THROAT DETAIL OF BARRIER CURB



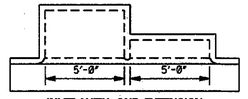
THROAT DETAIL OF ROLLED CURB

*NOTE: WING QUANTITIES ARE INCLUDED IN INLET QUANTITIES.



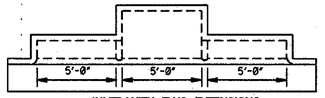
REGULAR INLET

5'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 121
CONC. = (WY + 5.5W + 6Y + 14.611)/27



INLET WITH ONE EXTENSION

10'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 231
CONC. = (WY + 5.5W + 6Y + 38.641)/27



INLET WITH TWO EXTENSIONS

15'-0" INLET
STEEL = 8.68W + 9.35Y +3.79W' + 7.57H' +341
CONC = (WY + 5.5W + 6Y + 62.671)/27

NOTES:
1. W AND H ARE EXPRESSED IN DECIMAL FEET.
2. W' = W ROUNDED TO NEAREST WHOLE FOOT.
3. Y = (H-0.5).
4. H' = (H - 2.08) ROUNDED TO NEAREST WHOLE FOOT.
5. NO DEDUCTIONS ARE MADE FOR PIPE OPENINGS IN FORMULAS.

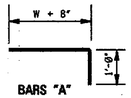
ADD. CONCRETE PER FOOT OF H		ADD. CONCRETE PER FOOT OF W	
W	yd³/ft	H	yd³/ft
2'-6"	0.315	3'-6"	0.315
3'-0"	0.333	4'-0"	0.333
3'-6"	0.352	4'-6"	0.352
4'-0"	0.371	5'-0"	0.370
4'-6"	0.389	5'-6"	0.389
5'-0"	0.408	6'-0"	0.408
5'-6"	0.426	6'-6"	0.426
6'-0"	0.445	7'-0"	0.445
6'-6"	0.463	7'-6"	0.463
7'-0"	0.481	8'-0"	0.482
		8'-6"	0.500

PLAN OF INLET AND EXTENSIONS

QUANTITIES FOR ONE EXTENSION					
BAR	SIZE	LENGTH	SPACING	NUMBER	TWEIGHT
"E"	#4	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'-11"	6	34
"H"	#6	6'-9"	AS SHOWN	5	51
"L"	#6	4'-9"	AS SHOWN	2	14
TOTAL STEEL FOR ONE EXTENSION = 110 lbs					
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd³					

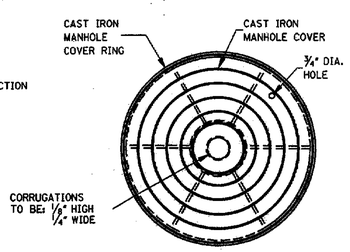
†NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 lbs OF STEEL FOR BARS "M".

BAR "G" SCHEDULE	
BAR "G"	LENGTH
"G1"	7'-10"
"G2"	8'-0"
"G3"	8'-2"
"G4"	8'-5"
"G5"	8'-8"
"G6"	8'-10"

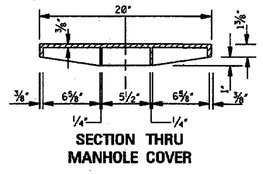


BARS "A"

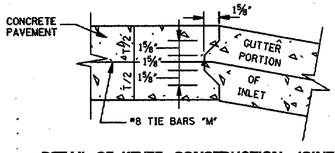
BAR DETAILS



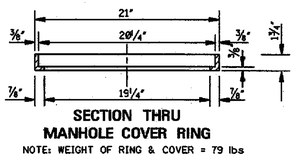
PLAN



SECTION THRU MANHOLE COVER



DETAIL OF KEYED CONSTRUCTION JOINTS
NOTE: FIELD BEND BARS "L" TO CENTER OF GUTTER SECTION



SECTION THRU MANHOLE COVER RING
NOTE: WEIGHT OF RING & COVER = 79 lbs

W=2'-6"	BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																
H	BAR "A" L = 4'-2" #4 @ 9"		BAR "C" L = 5'-8" #4 @ 9"		BAR "S" L = 5'-8" #4 @ 12"		BAR "D" L = 5'-8" #4 @ 12"±		BAR "F" L=9'-8" #6		BAR "J" L=2'-3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		*TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	lbs	yd³
3'-6"	6	17	7	27	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	190	1.99
4'-0"	6	17	7	27	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	202	2.15
4'-6"	6	17	7	27	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	207	2.31
5'-0"	6	17	7	27	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	219	2.47
5'-6"	6	17	7	27	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	224	2.62
6'-0"	6	17	7	27	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	238	2.78
6'-6"	6	17	7	27	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	240	2.94
7'-0"	6	17	7	27	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	253	3.10
7'-6"	6	17	7	27	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	257	3.25

W=3'-0"	BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																
H	BAR "A" L = 4'-8" #4 @ 9"		BAR "C" L = 6'-2" #4 @ 9"		BAR "S" L = 5'-8" #4 @ 12"		BAR "D" L = 5'-8" #4 @ 12"±		BAR "F" L=9'-8" #6		BAR "J" L=2'-3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		*TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	lbs	yd³
3'-6"	6	19	7	29	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	194	2.15
4'-0"	6	19	7	29	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	206	2.32
4'-6"	6	19	7	29	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	211	2.49
5'-0"	6	19	7	29	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	223	2.65
5'-6"	6	19	7	29	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	228	2.82
6'-0"	6	19	7	29	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	240	2.99
6'-6"	6	19	7	29	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	245	3.15
7'-0"	6	19	7	29	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	257	3.32
7'-6"	6	19	7	29	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	262	3.49

W=3'-6"	BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																
H	BAR "A" L = 5'-2" #4 @ 9"		BAR "C" L = 6'-8" #4 @ 9"		BAR "S" L = 5'-8" #4 @ 12"		BAR "D" L = 5'-8" #4 @ 12"±		BAR "F" L=9'-8" #6		BAR "J" L=2'-3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"±		*TOTAL STEEL	TOTAL CONC.
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	lbs	yd³
3'-6"	6	21	7	31	5	19	6	23	5	73	4	6	3'-10"	7	18	2'-7"	7	12	202	2.31
4'-0"	6	21	7	31	5	19	8	30	5	73	4	6	4'-4"	7	20	3'-1"	7	14	214	2.49
4'-6"	6	21	7	31	5	19	8	30	5	73	4	6	4'-10"	7	23	3'-7"	7	17	219	2.66
5'-0"	6	21	7	31	5	19	10	38	5	73	4	6	5'-4"	7	25	4'-1"	7	19	231	2.84
5'-6"	6	21	7	31	5	19	10	38	5	73	4	6	5'-10"	7	27	4'-7"	7	21	236	3.01
6'-0"	6	21	7	31	5	19	12	45	5	73	4	6	6'-4"	7	30	5'-1"	7	24	248	3.19
6'-6"	6	21	7	31	5	19	12	45	5	73	4	6	6'-10"	7	32	5'-7"	7	26	253	3.37
7'-0"	6	21	7	31	5	19	14	53	5	73	4	6	7'-4"	7	34	6'-1"	7	28	265	3.54
7'-6"	6	21	7	31	5	19	14	53	5	73	4	6	7'-10"	7	37	6'-7"	7	31	270	3.72

* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 lbs OF STEEL FOR BARS "M".

GENERAL NOTES:

1. WHERE INLET OR INLET WITH EXTENSION(S) IS USED WITH CONCRETE PAVEMENT WITH INTERGRAL CURB, THE PAVEMENT IS TO BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S). THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSION(S). #8 DEFORMED BARS 30' LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S) 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSION(S) SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR INLET OR INLET WITH EXTENSION(S).
2. THE STANDARD SPECIFICATIONS ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL APPLY TO ALL ITEMS ON THIS SHEET.
3. THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
4. FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THESE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STORM SEWER STRUCTURE TYPE SS-2

ENGLISH

WORKING NUMBER SS-2

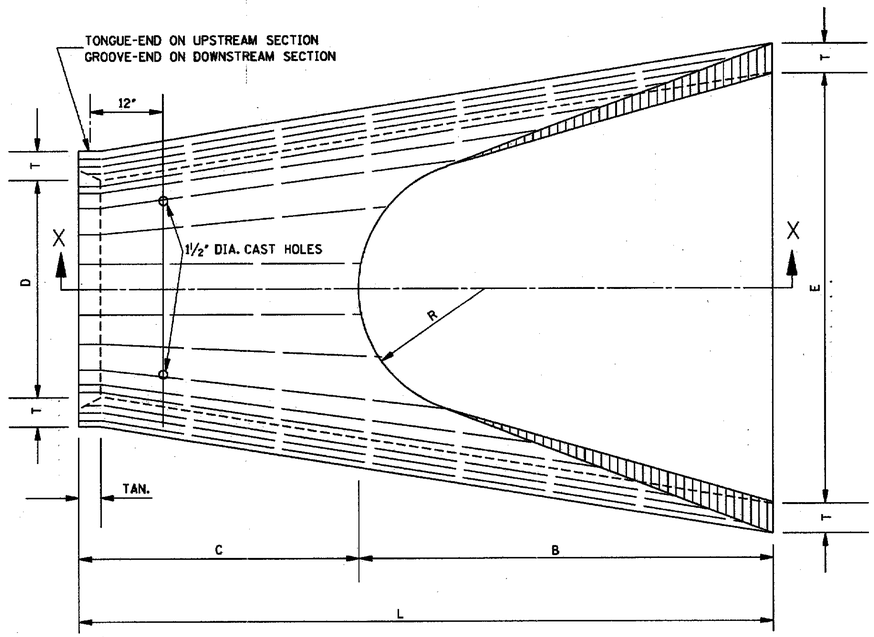
ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER 322

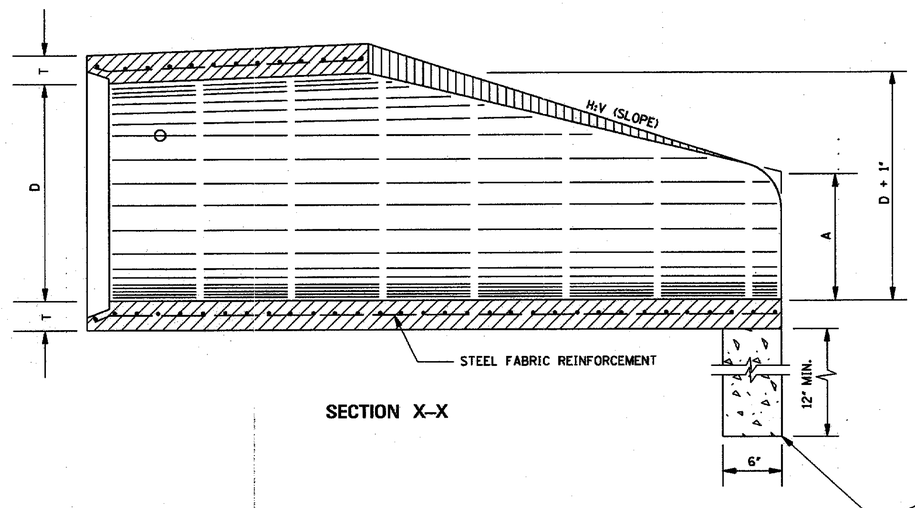
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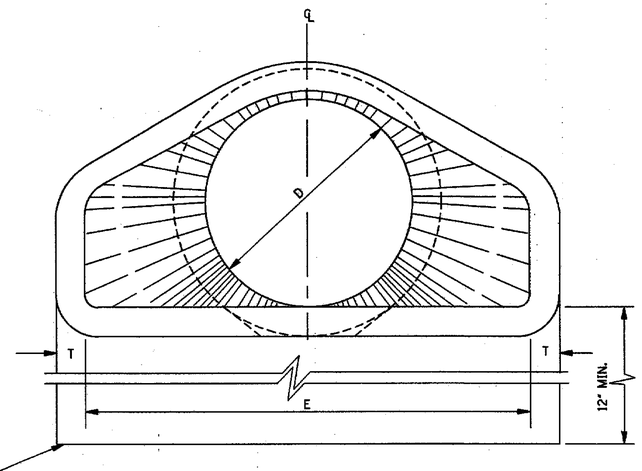
STATE	PROJECT NO.
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PLAN OF DOWNSTREAM END



SECTION X–X



END ELEVATION

TOE WALL REQUIRED ON ALL DOWNSTREAM FLARED END SECTIONS. TOE WALL AT UPSTREAM END WILL BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER. TO BE PAID FOR AS CLASS "B" STRUCTURAL CONCRETE - MINOR STRUCTURES.

BELL AND SPIGOT END OPTION

NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

	TABLE OF DIMENSIONS								TOE WALL CONC. QUANTITY (yd^3)
	D	T	H:V	A	B	C	E	L	
	15"	2¼"	3:1	6"	2'-3"	4'-1"	2'-8"	6'-1"	0.056
	18"	2½"	3:1	9"	2'-3"	3'-10"	3'-0"	6'-1"	0.063
	24"	3"	3:1	10"	3'-8"	2'-6"	4'-0"	6'-2"	0.083
	30"	3½"	3:1	1'-0"	4'-6"	1'-8"	5'-0"	6'-2"	0.102
	36"	4"	3:1	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"	0.123
	42"	4½"	3:1	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"	0.134
	48"	5"	3:1	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"	0.145
	54"	5½"	3:1	2'-4"	6'-6"	1'-10"	7'-6"	8'-4"	0.156
*	60"	6"	3:1	2'-10"	6'-6"	1'-10"	8'-0"	8'-4"	0.167
*	66"	6½"	3:1	3'-4"	6'-6"	1'-10"	8'-6"	8'-4"	0.177
*	72"	7"	3:1	3'-10"	6'-6"	1'-10"	9'-0"	8'-4"	0.188

* NOTE: SEE GENERAL NOTE 2.

GENERAL NOTES:

1. REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M 170, TABLE 2, WALL B.
2. 2 - 1½" DIA. CAST HOLES REQUIRED AS SHOWN TO ACCOMMODATE 2 - 1" DIA. TIE BOLTS, USED IN TIEING SECTION TO PIPE CULVERT.
3. LENGTH (L) OF A BELL-END OPTION MAY VARY BY A NOMINAL EXTENSION ON THE BELL END.
4. FLARED END SECTIONS ARE NOT TO BE USED INSIDE THE CLEAR ZONE.
5. ALL SIZES OF FLARED END SECTIONS FOR CIRCULAR CONCRETE PIPE MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.

BY | REVISION | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

FLARED END SECTION FOR CONCRETE PIPE

ENGLISH

WORKING NUMBER
FE-1

ISSUE DATE: OCTOBER 1, 1998

SHEET NUMBER
328

DRAWING No.: 12932.001C

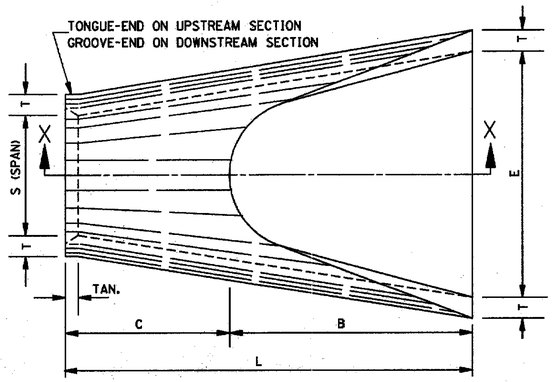
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BELL AND SPIGOT END OPTION TYPE I

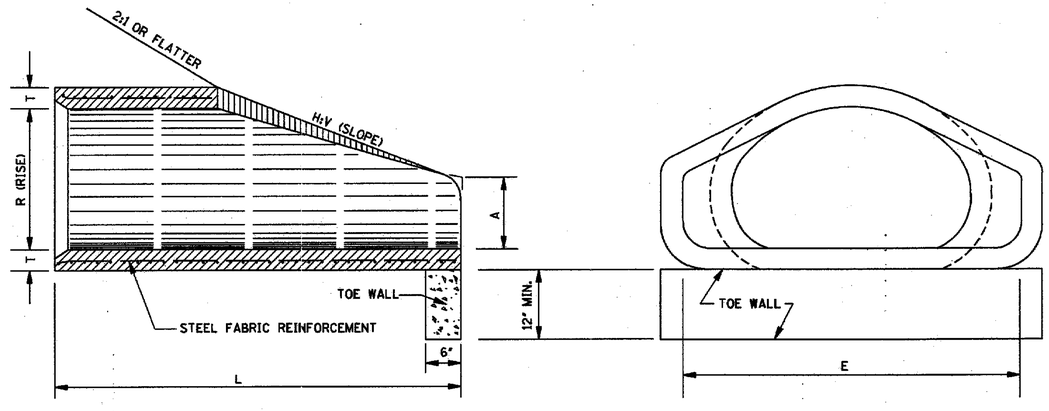
NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

FLARED END SECTION FOR CONCRETE ARCH PIPE									
EQUIV. SIZE	R	S	T	H:V	A	B	C	E	L
18"	13½"	22"	2½"	3:1	7"	2'-3"	3'-9"	3'-0"	6'-0"
24"	18"	28½"	3"	3:1	8"	3'-3"	2'-9"	4'-0"	6'-0"
30"	22½"	36¼"	3½"	3:1	10"	4'-0"	2'-0"	5'-0"	6'-0"
36"	26⅝"	43¾"	4"	3:1	10⅝"	5'-0"	3'-0"	6'-0"	8'-0"
42"	31⅜"	51⅛"	4½"	3:1	1'-3⅜"	5'-0"	3'-0"	6'-6"	8'-0"
48"	36"	58½"	5"	3:1	1'-9"	5'-0"	3'-0"	7'-0"	8'-0"
54"	40"	65"	5½"	3:1	2'-1½"	5'-0"	3'-0"	7'-6"	8'-0"
60"	45"	73"	6"	3:1	2'-2"	6'-3"	1'-9"	8'-0"	8'-0"
72"	54"	88"	7"	3:1	2'-11"	6'-6"	1'-10"	10'-0"	8'-4"

TOE WALL CONC. QUANTITY (yd³)
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167
0.207



PLAN OF DOWNSTREAM END



SECTION X–X

FRONT ELEVATION

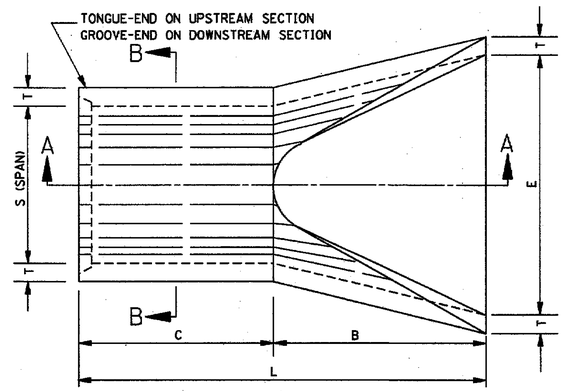
BELL AND SPIGOT END OPTION TYPE II

NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

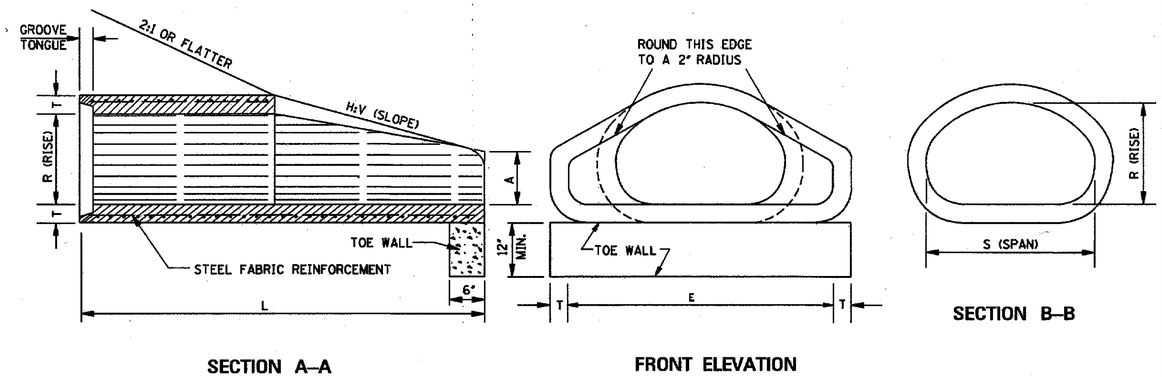
FLARED END SECTION FOR CONC. ARCH PIPE-SHORT FLARE										
EQUIV. SIZE	R	S	T	H:V	A	B	C	E	L	GROOVE TONGUE
* 18"	13½"	22"	2½"	3:1	7"	2'-3"	3'-9"	3'-0"	6'-0"	2¼"
24"	18"	28½"	3½"	3.12:1	9"	3'-3"	2'-9½"	4'-0"	6'-0½"	3"
30"	22½"	36¼"	4"	2.94:1	9½"	4'-2"	3'-10½"	5'-0"	8'-0½"	3½"
36"	26⅝"	43¾"	4½"	3.08:1	11⅝"	5'-0"	3'-0½"	6'-0"	8'-0½"	4"
42"	31⅜"	51⅛"	4½"	3.08:1	1'-4⅜"	5'-0"	3'-0½"	6'-6"	8'-0½"	4"
48"	36"	58½"	5"	3.16:1	1'-10"	5'-0"	3'-0½"	7'-0"	8'-0½"	5"
54"	40"	65"	5½"	3.24:1	2'-3"	5'-0"	3'-0⅝"	7'-6"	8'-0⅝"	5"
60"	45"	73"	6"	3.33:1	2'-9"	5'-0"	3'-0⅝"	8'-0"	8'-0⅝"	5"

TOE WALL CONC. QUANTITY (yd³)
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167

NOTES: *1. EQUIVALENT 18" FLARED END SECTION SIMILAR TO TYPE I.
2. DIMENSIONS A, B, C, E AND L MAY VARY 1"±.



PLAN OF DOWNSTREAM END



SECTION A–A

FRONT ELEVATION

SECTION B–B

GENERAL NOTES:

1. FLARED END SECTIONS ARE NOT TO BE USED INSIDE THE CLEAR ZONE.
2. UNLESS OTHERWISE DESIGNATED, EITHER TYPE I OR TYPE II MAY BE USED, PROVIDED THE SELECTED TYPE IS COMPATIBLE WITH THE CONFIGURATION OF THE PIPE TO WHICH IT IS TO BE ATTACHED.
3. ALL SIZES OF TYPE I AND TYPE II FLARED END SECTIONS FOR CONCRETE ARCH PIPE MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.
4. REINFORCEMENT (SINGLE LINE) FOR FLARED END SECTION SHALL CONFORM TO REQUIREMENTS OF AASHTO M 206 FOR CLASS II ARCH PIPE.
5. TOE WALL REQUIRED ON ALL DOWNSTREAM FLARED END SECTIONS. TOE WALL AT UPSTREAM END WILL BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER. TO BE PAID FOR AS CLASS "B" STRUCTURAL CONCRETE-MINOR STRUCTURES.
6. FLARED END SECTIONS MUST MEET THE REQUIREMENTS FOR ARCH PIPE OF EITHER AASHTO M 206 OR ASTM C 506.

STATE	PROJECT NO.
MISS.	

BY | REVISION | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

FLARED END SECTION FOR CONCRETE ARCH PIPE

ENGLISH

WORKING NUMBER FE-1A

SHEET NUMBER 329

ISSUE DATE: OCTOBER 1, 1998

DRAWING No.: 12932.001C

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CONTRACT DOCUMENTS
and
SPECIAL CONDITIONS

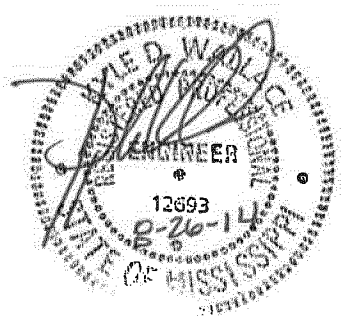
for

LONGLEAF TRACE PHASE III

FEDERAL AID PROJECT NO.
HPP-0210-00(015)LPA/105214-801000

HATTIESBURG, MISSISSIPPI

August 2014



Prepared by:

sdw
Engineering Progress

SHOWS, DEARMAN & WAITS, Inc.
Consulting Engineers

P O Box 1711 ◆ Hattiesburg MS 39403
(601) 544-1821 ◆ (601) 544-0501 Fax
www.sd-w.com

BIDDER CHECK LIST
(FOR INFORMATION ONLY)

_____ All unit prices and item totals have been entered in accordance with Subsection 102.06 of the Mississippi Standard Specifications for Road and Bridge Construction.

_____ First sheet of SECTION 905--PROPOSAL has been completed.

_____ Second sheet of SECTION 905--PROPOSAL has been completed and signed.

_____ Addenda, if any, have been acknowledged. Second sheet of Section 905 listing the addendum number has been substituted for the original second sheet of Section 905. Substituted second sheet of Section 905 has been properly completed, signed, and added to the proposal.

_____ DBE/WBE percentage, when required by contract, has been entered on last sheet of the bid sheets of SECTION 905 - PROPOSAL.

_____ Form DBE-5, when required by contract, has been completed and signed.

_____ The last sheet of the bid sheets of SECTION 905--PROPOSAL has been signed.

_____ Combination Bid Proposal of SECTION 905--PROPOSAL has been completed for each project which is to be considered in combination (See Subsection 102.11).

_____ Equal Opportunity Clause Certification, when included in contract, has been completed and signed.

_____ The Certification regarding Non-Collusion, Debarment and Suspension, etc. has been executed in duplicate.

_____ A certified check, cashier's check or bid bond payable to the Local Public Agent in the principal amount of 5% of the bid has been included with project number identified on same. Bid bond has been signed by the bidder and has also been signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent for the Surety with Power of Attorney attached.

_____ The Notice To Bidders regarding DUNS Requirements has been completed and included in the contract documents.

Return the proposal and contract documents in its entirety in a sealed envelope. DO NOT remove any part of the contract documents; exception - an addendum requires substitution of second sheet of Section 905. A stripped proposal is considered as an irregular bid and will be rejected.

Failure to complete any or all of the applicable requirements will be cause for the proposal to be considered irregular.

TABLE of CONTENTS

LONGLEAF TRACE – PHASE III
HPP-0210-00(015)LPA/105214-801000
CITY of HATTIESBURG

ADVERTISEMENT for BIDS

904 – NOTICE to BIDDERS

GOVERNING SPECIFICATIONS
Section 904 – Notice to Bidders No. 1

OWNER AND ENGINEER
Section 904 – Notice to Bidders No. 2

FINAL CLEAN-UP
Section 904 – Notice to Bidders No. 3

GOPHER TORTOISES
Section 904 – Notice to Bidders No. 151

FIBER REINFORCED CONCRETE
Section 904 – Notice to Bidders No. 640

NON-USE of PRECAST DRAINAGE UNITS
Section 904 – Notice to Bidders No. 1322

ERRATA and MODIFICATIONS to the 2004 STANDARD SPECIFICATIONS
Section 904 – Notice to Bidders No. 1405

ADVANCEMENT of MATERIALS
Section 904 – Notice to Bidders No. 1546

DISADVANTAGEED BUSINESS ENTERPRISE FORMS
Section 904 – Notice to Bidders No. 1902 LPA

FEDERAL BRIDGE FORMULA
Section 904 – Notice to Bidders No. 1928

FUEL and MATERIAL ADJUSTMENTS
Section 904 – Notice to Bidders No. 2168

STATUS OF ROW
Section 904 – Notice to Bidders No. 2382
Section 904 – Notice to Bidders No. 2382 Attachments

NON-QUALITY CONTROL/QUALITY ASSURANCE CONCRETE
Section 904—Notice to Bidders No. 2818

ALTERNATE ASPHALT MIXTURE BID ITEMS
Section 904—Notice to Bidders No. 3039

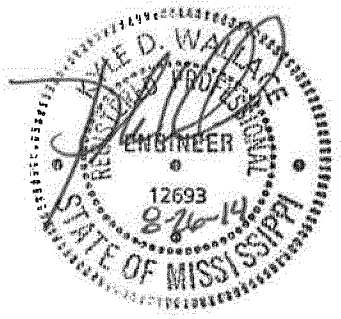
PLAN SHEETS
Section 904—Notice to Bidders No. 3040

STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY (≥ 1 and < 5 ACRES)
Section 904—Notice to Bidders No. 3067

WARM MIX ASPHALT
Section 904-Notice to Bidders No. 3242

SAFETY EDGE
Section 904—Notice to the Bidders No. 3585

ADDITIONAL EROSION CONTROL
Section 904—Notice to the Bidders No. 3612



TYPE III BARRICADE RAILS
Section 904—Notice to the Bidders No. 3655
DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID HWY. CONST.
Section 904—Notice to Bidders No. 4103LPA Supplement
Section 904—Notice to Bidders No. 4103
RUMBLE STRIPE
Section 904—Notice to Bidders No. 4189
SAFETY APPAREL
Section 904—Notice to Bidders No. 4214
ALTERNATE CRUSHED STONE BASE BID ITEMS
Section 904—Notice to Bidders No. 4473
DBE FORMS, PARTICIPATON AND PAYMENT
Section 904—Notice to Bidders No. 4488 LPA
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
Section 904—Notice to Bidders No. 4565
DUNS REQUIREMENT FOR FEDERAL FUNDED PROJECTS
Section 904—Notice to Bidders No. 4566
PAYROLL REQUIREMENTS
Section 904 – Notice to Bidders No. 4661
CONTRACTOR CORRESPONDENCE
Section 904 – Notice to Bidders No. 5053
CONTRACT TIME
Section 904—Notice to Bidders No. 9000
COOPERATION BETWEEN CONTRACTORS
Section 904—Notice to Bidders No. 9001
ENVIRONMENTAL REQUIREMENTS
Section 904 – Notice to Bidders No. 9002

906 – REQUIRED CONTRACT PROVISIONS
906 - 001 – County Wage Rates
906 - 002 – Supplement to Form FHWA 1273
906 - 003 – Required Federal Contract Provision Form FHWA 1273
906 - 004 – Executive Order 11246

907 – SPECIAL PROVISIONS
DEFINITIONS
Special Provision No. 907-101-4
BIDDING REQUIREMENTS and CONDITIONS
Special Provision No. 907-102-4 LPA
AWARD and EXECUTION of CONTRACT
Special Provision No. 907-103-8
SCOPE OF WORK
Special Provision No. 907-104-5
CONTROL OF WORK
Special Provision No. 907-105-7 Supplement
Special Provision No. 907-105-7
LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC
Special Provision No. 907-107-13
CONTRACTOR'S PROTECTION PLAN
Special Provision No. 907-107-14 Supplement
Special Provision No. 907-107-14

Table of Contents (continued)

LIQUIDATED DAMAGES
Special Provision No. 907-108-13LPA
PROSECUTION and PROGRESS
Special Provision No. 907-108-30LPA
MEASUREMENT and PAYMENT
Special Provision No. 907-109-6 Supplement
Special Provision No. 907-109-6
WAGE RATES
Special Provision No. 907-110-2
GRASSING
Special Provision No. 907-225-3
TEMPORARY GRASSING
Special Provision No. 907-226-2
HYDROSEEDING
Special Provision No. 907-227-10
SILTATION BARRIERS
Special Provision No. 907-234-5
WATTLES
Special Provision No. 907-237-4
BOLLARD (PER PLANS)
Special Provision No. 907-258-1
SITE GRADING
Special Provision No. 907-288-1
GRANULAR COURSES
Special Provision No. 907-304-13
HOT MIX ASPHALT (HMA)
Special Provision No. 907-401-2 Supplement
Special Provision No. 907-401-2
Special Provision No. 907-401-6
Special Provision No. 907-403-4 Supplement
Special Provision No. 907-403-4
WARM MIX ASPHALT (WMA)
Special Provision No. 907-403-12
TACK COAT
Special Provision No. 907-407-2
STRUCTURAL CONCRETE
Special Provision No. 907-601-1
CULVERTS & STORM DRAINS
Special Provision No. 907-603-8
ORNAMENTAL IRON FENCE
Special Provision No. 907-607-AA001
TEMPORARY CONSTRUCTION SIGNS
Special Provision No. 907-618-13
THERMOPLASTIC MARKINGS
Special Provision No. 907-626-3
THERMOPLASTIC BLUE ADA MARKINGS
Special Provision No. 907-626-24
THERMOPLASTIC TRAFFIC MARKINGS
Special Provision No. 907-626-25

Table of Contents (continued)

CONSTRUCTION STAKES
Special Provision No. 907-699-5
HYDRAULIC CEMENT
Special Provision No. 907-701-4
POLYPHOSPHORIC ACID (PPA) MOD OF PET. ASPH. CEMENT
Special Provision No. 907-702-3
AGGREGATES
Special Provision No. 907-703-11
RUBBER TYPE GASKETS
Special Provision No. 907-707-4
JOINT MATERIALS
Special Provision No. 907-707-5
NON-METAL DRAINAGE STRUCTURES
Special Provision No. 907-708-6
METAL PIPE
Special Provision No. 907-709-1
SYNTHETIC STRUCTURAL FIBER REINFORCEMENT
Special Provision No. 907-711-4
ADMIXTURES for CONCRETE
Special Provision No. 907-713-3
MISCELLANEOUS MATERIALS
Special Provision No. 907-714-8
ROADSIDE DEVELOPMENT MATERIALS
Special Provision No. 907-715-4
PAVEMENT MARKING MATERIALS
Special Provision No. 907-720-2
CONCRETE BRIDGES and STRUCTURES
Special Provision No. 907-804-13 Supplement
Special Provision No. 907-804-13
PROPOSAL
Section 905 – Proposal Form
Section 905 – Bid Sheet No. 2-1
Section 905 – Bid Sheet No. 2-2
Section 905 – Bid Sheet No. 2-3
CERTIFICATION of PERFORMANCE
AFFIDAVIT REGARDING NON-COLLUSION, DEBARMENT and SUSPENSION (2)
CONTRACT FORM
Section 902
CONTRACT BOND FORM
Section 903
EXECUTIVE COMPENSATION CERTIFICATION
GUIDANCE FOR FEDERAL SPENDING TRANSPARENCY
DISADVANTAGED BUSINESS ENTERPRISE LIST (3)
Form OCR-481-LPA
LIST of FIRMS SUBMITTING QUOTES (3)
Form OCR-485-LPA

SECTION 901

ADVERTISEMENT

CITY OF HATTIESBURG
Forrest County, MISSISSIPPI

Federal Aid Project No. HPP-0210-00(015)LPA/105214-801000

The City Council of the City of Hattiesburg, Mississippi, will receive bids for Longleaf Trace – Phase III for a total project length of 2.109 miles, Federal Aid Project No. HPP-0210-00(015)LPA/105214-801000, no later than 10:00 A.M., Local Time, **INSERT DATE, 2014**, at the Board Room located at 200 Forrest St., Hattiesburg, Mississippi. All bids so received will be publicly opened and read aloud.

> The work shall consist essentially of the following items:
> Construction of asphalt pavement, pipe, erosion control, fencing and miscellaneous items. All other related items of work required to complete the project as shown and specified in the Contract Documents.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all plant, labor, equipment and materials required by the specifications and the drawings referred to therein.

The attention of bidders is directed to the Contract Provisions governing selection and employment of labor. Minimum wage rates for Federal-Aid projects have been predetermined by the secretary of Labor and are subject to Public Law 87-581 Work Hours Act of 1962, as set forth in the Contract Provisions.

The City Council of Hattiesburg, Mississippi hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The award of this contract will be contingent upon the Contractor satisfying the DBE/WBE requirements.

The Contract Documents are on file and may be examined at the following location:

1. Shows, Dearman and Waits, Inc., 301 2nd Avenue, Hattiesburg Mississippi, 39401

All documents required for bidding purposes may be obtained from Shows, Dearman and Waits, Inc. located at 301 2nd Avenue, Hattiesburg Mississippi, 39401 (Mailing address: P.O. Box 1711, Hattiesburg, MS 39403-1711) upon payment of $250.00 for each set, which will not be refunded.

Each bid shall be accompanied by a Certified Check on a solvent bank or a Bidder's Bond issued by a Surety Company licensed to operate in the State of Mississippi, in the amount of five percent (5%) of the total bid price, payable to the City of Hattiesburg as bid security. Bidders shall also submit a current financial statement, if requested by the City. The successful bidder will be required to furnish a Contract Bond in the amount of one hundred percent (100%) of the contract amount.

The proposal and contract documents in its entirety shall be submitted in a sealed envelope and deposited with the City Clerk, 200 Forrest St., Hattiesburg, Mississippi prior to the hour and date above designated. No bidder may withdraw his bid within sixty (60) days after the date of actual bid opening, without Owner's consent.

Work to be performed shall be in accordance with the "Mississippi State Highway Standard Specifications for Road and Bridge Construction, 2004", together with all amendments and/or special provisions and/or addenda to the standards duly approved and adopted, unless otherwise noted in these specifications.

The attention of Bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

CITY COUNCIL,
HATTIESBURG, MISSISSIPPI

BY_____
Johnny L. Dupree, PhD
Mayor, City of Hattiesburg

PUBLISH:

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1 **CODE: (IS)**

DATE: **05/03/2004**

SUBJECT: **Governing Specifications**

The current (2004) Edition of the Standard Specifications for Road and Bridge Construction adopted by the Mississippi Transportation Commission is made a part hereof fully and completely as if it were attached hereto, except where superseded by special provisions, or amended by revisions of the Specifications contained herein. Copies of the specification book may be purchased from the MDOT Construction Division.

A reference in any contract document to controlling requirements in another portion of the contract documents shall be understood to apply equally to any revision or amendment thereof included in the contract.

In the event the plans or proposal contain references to the 1990 Edition of the Standard Specifications for Road and Bridge Construction, it is to be understood that such references shall mean the comparable provisions of the 2004 Edition of the Standard Specifications.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 2 LPA **CODE: (SP)**

DATE: **09-05-2013**

SUBJECT: **Designated Owner and Engineer**

PROJECT: **HPP-0210-00(015)LPA/105214-801000**

Any reference in the Contract Documents to the State of Mississippi, Mississippi Department of Transportation, Mississippi Transportation Commission, or any official thereof, it shall be interpreted to mean the City of Hattiesburg, MS, the "Owner".

Any reference in the Standard Specifications to the Project Engineer, District Engineer, Chief Engineer, or Engineer it shall be interpreted to mean Shows, Dearman and Waits, Project Engineer for the City of Hattiesburg.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3 **CODE: (SP)**

DATE: **05/03/2004**

SUBJECT: **Final Clean-Up**

Immediately prior to final inspection for release of maintenance, the Contractor shall pick up, load, transport and properly dispose of all litter from the entire highway right-of-way that is within the termini of the project.

Litter shall include, but not be limited to, solid wastes such a glass, paper products, tires, wood products, metal, synthetic materials and other miscellaneous debris.

Litter removal is considered incidental to other items of work and will not be measured for separate payment.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 151 **CODE: (IS)**

DATE: **06/18/2004**

SUBJECT: **Gopher Tortoises**

Bidders are hereby advised that the Contractor will be required to make special considerations regarding gopher tortoises on this project. In addition to the normal required documentation associated with borrow pits, the Contractor shall, for each site used to obtain or dispose of materials associated with this project, provide the Engineer with a letter from a qualified biologist certifying that the site was inspected prior to any clearing of vegetation or disposal of project materials and that the site is not inhabited by gopher tortoises, or appropriate avoidance measures have been installed. No individual lacking the proper State or Federal license shall touch or otherwise harass a gopher tortoise.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 640 **CODE: (IS)**

DATE: **09/26/2005**

SUBJECT: **Fiber Reinforced Concrete**

Bidders are hereby advised that synthetic structural fibers meeting the requirements of Subsection 907-711.04 may be used in lieu of wire mesh in some items of construction. Substitution of fibers for wire mesh will be allowed in the construction of paved ditches, paved flumes, paved inlet apron, driveways, guard rail anchors and pile encasements. Substitution in any other items of work must be approved by the State Construction Engineer prior to use.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1322 **CODE: (SP)**

DATE: **1/22/2007**

SUBJECT: **Non-Use of Precast Drainage Units**

Bidders are hereby advised that the use of precast inlets and junction boxes will **NOT** be allowed on this project. Subsection 601.02.3 states that " the Contractor may request approval from the Engineer to furnish and install precast units in lieu of cast-in-place units". Should the Contractor make this request, the request will be denied.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1405 **CODE: (IS)**

DATE: 03/15/2007

SUBJECT: ERRATA AND MODIFICATIONS TO THE 2004 STANDARD SPECIFICATIONS

Page	Subsection	Change
101	201.01	In the second sentence of the first paragraph, change "salvable" to "salvageable".
107	202.04	In the fourth sentence of the fourth paragraph, change "yard" to "feet".
107	202.05	In the list of units measurements for 202-B, add "square foot".
132	211.03.4	In the second sentence of the second paragraph, change "planted" to "plated".
192	306.02.4	In the first line of the first paragraph, delete the word "be".
200	307.03.7	In the fourth sentence of the second paragraph, change "lime-fly ash" to "treated".
236	401.01	Change the header from "Section 403" to "Section 401".
242	401.02.3.2	In the first sentence of the third full paragraph, add "1/8" in the blank before the inch mark.
250	401.02.6.3	In the second sentence of the first paragraph on page 250, change "rutting over " " to "rutting over 1/8" ".
253	401.02.6.4.2	In the paragraph preceding the table, change "91.0" to "89.0".
259	401.03.1.4	In the first paragraph, change "92.0 percent" to "the specified percentage (92.0 or 93.0)".
269	403.03.2	In the table at the top of page 269, change the PI requirement from " = " to " ≤ ".

278	404.04	In the second sentence, change the subsection from "401.04" to "403.04".
283	409.02.2	Change "PG 64-22" to "PG 67-22".
294	413.02	In the first sentence of the second paragraph, change "707.02.1.3" to "Subsection 707.02.1.3".
340	511.04	In the second sentence of the second paragraph, change "412" to "512".
349	601.03.3	In the first sentence, change "804.03.2" to "804.03.5".
355	603.02	Change the subsection reference for Joint mortar from "707.03" to "714.11".
369	604.04	In the first sentence, change "601.04" to "Subsection 601.04".
427	619.04	Delete the second paragraph.
442	625.04	In the third paragraph, change "626.04" to "Subsection 626.04".
444	626.03.1.2	Delete the third sentence of the first paragraph.
464	631.02	Change the subsection reference for Water from "714.01.0" to "714.01.1".
570	682.03	Change the subsection number from "682-03" to "682.03".
575	683.10.4	Change the subsection number from "683.10.4" to "683.04".
575	683.10.5	Change the subsection number from "683.10.5" to "683.05".
596	701.02	In the table under the column titled "Cementations material required", change Class F, FA" to "Class F FA,".
603	702.11	In the first sentence, change "702.12" to "Subsection 702.12".
612	703.04.2	In the fifth paragraph, delete "Subsection 703.11 and".
616	703.07.2	In the Percentage By Weight Passing Square Mesh Sieves table, change the No. 10 requirement for Class 7 material from "30 - 10" to "30 - 100".

618	703.13.1	In the first sentence of the first paragraph, change "703.09" to "703.06".
618	703.13.2	In the first sentence, change "703.09" to "703.06".
671	712.06.2.2	In the first sentence, change "712.05.1" to "Subsection 712.05.1".
689	714.11.2	In the first sentence, change "412" to "512".
709	715.09.5	In the first sentence of the first paragraph, change "guage" to "gauge".
717	717.02.3.4	In the top line of the tension table, change "1 1/2" to "1 1/8" and change "1 1/8" to "1 1/2".
741	720.05.2.2	In the last sentence of this subsection, change "720.05.2.1" to "Subsection 720.05.2.1".
827	803.03.2.3.7.5.2	In the first sentence of the second paragraph, change "803.03.5.4" to "803.03.2.3.4".
833	803.03.2.6	In the first sentence, change "803.03.7" to "803.03.2.5".
854	804.02.11	In the last sentence of the first paragraph, change "automatically" to "automatic".
859	804.02.13.1.3	In the last sentence, change Subsection "804.02.12.1" to "804.02.12".
879	804.03.19.3.2	In the first sentence of the third paragraph, change "listed on of Approved" to "listed on the Approved".
879	804.03.19.3.2	In the last sentence of the last paragraph, change "804.03.19.3.1" to "Subsection 804.03.19.3.1".
962	814.02.3	In the first sentence, change "710.03" to "Subsection 710.03".
976	820.03.2.1	In the first sentence, change "803.02.6" to "803.03.1.7".
976	820.03.2.2	In the first sentence, change "803.03.9.6" to "803.03.1.9.2".
985	Index	Change the subsection reference for Petroleum Asphalt Cement from "702.5" to "702.05".

985	Index	Change the subsection reference for the Definition of Asphaltic Cement or Petroleum Asphalt from "700.2" to "700.02".
985	Index	Change the subsection reference for Automatic Batchers from "501.03.2.4" to "804.02.10.4".
986	Index	Delete "501.03.2" as a subsection reference for Batching Plant & Equipment.
988	Index	Change the subsection reference for the Central Mixed Concrete from "501.03.3.2" to "804.02.11".
988	Index	Change the subsection reference for the Concrete Batching Plant & Equipment from "501.03.2" to "804.02.11".
999	Index	Delete "501.03.3.3" as a subsection reference for Truck Mixers.
1001	Index	Change the subsection reference for Edge Drain Pipes from "605.3.5" to "605.03.5".
1002	Index	Change the subsection reference for Metal Posts from "713.05.2" to "712.05.2".
1007	Index	Change the subsection reference for Coarse Aggregate of Cement Concrete Table from "703.3" to "703.03".
1007	Index	Change the subsection reference for Composite Gradation for Mechanically Stabilized Courses Table from "703.8" to "703.08".
1009	Index	Delete "501.03.3.3" as a subsection reference for Truck Mixers and Truck Agitators.
1010	Index	Delete reference to "Working Day, Definition of".

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1546 **CODE: (SP)**

DATE: **05/23/2007**

SUBJECT: **Advancement of Materials**

Bidders are advised that **NO ADVANCEMENT OF MATERIALS**, as addressed in Subsection 109.06.2 of the Standard Specifications, will be allowed on this project.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1902 LPA **CODE: (SP)**

DATE: **02/26/2010**

SUBJECT: **Disadvantaged Business Enterprise (DBE) Forms**

Anywhere in the plans, proposal and specifications where reference is made to Office of Civil Rights (OCR) Forms, it should be understood to mean Disadvantaged Business Enterprise (DBE) Forms.

The following are equivalent forms:

OCR-481 ..... OCR-481 LPA DBE-1
OCR-482 ..... OCR-482 LPA DBE-2
OCR-483 ..... OCR-483 LPA DBE-3
OCR-484 ..... OCR-484 LPA DBE-4
OCR-485 ..... OCR-485 LPA DBE-5
OCR-487 ..... OCR-487 LPA DBE-7

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1928 **CODE: (IS)**

DATE: 04/14/2008

SUBJECT: Federal Bridge Formula

Bidders are hereby advised that Federal Highway Administration Publication No. FHWA-MC-94-007, **BRIDGE FORMULA WEIGHTS**, dated January 1994, is made a part of this contract when applicable.

Prior to the preconstruction conference, the Contractor shall advise the Engineer, in writing, what materials, if any, will be delivered to the jobsite via Interstate route(s).

Copies of the **BRIDGE FORMULA WEIGHTS** publication may be obtained by contacting:

Federal Highway Administration
400 7th Street, SW
Washington, DC 20590
(202) 366-2212

or

http://ops.fhwa.dot.gov/freight/sw/brdgcalc/calc_page.htm

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2168 **CODE: (SP)**

DATE: **11/03/2008**

SUBJECT: **Fuel and Material Adjustments**

Bidders are advised that **NO FUEL OR MATERIAL ADJUSTMENT**, as addressed in Subsection 109.07 of the Standard Specifications, will be allowed on this project.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2382 **CODE: (IS)**

DATE: **02/12/2009**

SUBJECT: **Status of Right-of-Way**

Although it is desirable to have acquired all rights-of-way and completed all utility adjustments and work to be performed by others prior to receiving bids, sometimes it is not considered to be in the public interest to wait until each and every such clearance has been obtained. The bidder is hereby advised of possible unacquired rights-of-way, relocatees and utilities which have not been completed.

The status of right-of-way acquisition, utility adjustments, encroachments, potentially contaminated sites and asbestos containation are set forth in the following attachments.

In the event right of entry is not available to ALL parcels of right-of-way and/or all work that is to be accomplished by others on the date set forth in the contract for the Notice to Proceed is not complete, the Department will issue a restricted Notice to Proceed.

STATUS OF RIGHT-OF-WAY
HPP-0210-00(015) LPA
105214-801000
Longleaf Trace—Phase III
FORREST COUNTY
October 8, 2013

All rights of way and legal rights of entry have been acquired **except:**

NONE.

Mark C. McConnell
Deputy Executive Director/
Chief Engineer

Charles R. Carr
Director
Office of Intermodal Planning

Lisa M. Hancock
Deputy Executive Director/
Administration

Willie Huff
Director
Office of Enforcement

Melinda L. McGrath
Executive Director

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
P. O. Box 1850 / Jackson, Mississippi 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / www.GoMDOT.com

October 8, 2013

Mr. Andrew Hughes
Division Administrator
FHWA-Mississippi Division
100 West Capitol Street, Suite 1062
Jackson, MS 39269

RE: HPP-0210-00(015) LPA
105214-801000
Longleaf Trace-Phase III
City of Hattiesburg
Forrest County

RIGHT-OF-WAY CERTIFICATION

Dear Mr. Hughes:

This is to certify that all necessary highway rights-of-way, including control of access has been acquired or legal Right of Entry obtained and rights-of-way were acquired in accordance with 49CFR Part 24, **except** as indicated on the Status of Right of Way.

This is to further certify that all individuals and families have been relocated to decent, safe and sanitary housing, or comparable relocatees and the steps relative to relocation advisory assistance administration of the Highway Relocation Assistance Program have been taken, **except** as indicated on the attached Status of Right of Way.

All improvements have been removed from the highway right of way, **except** the improvements to be removed by the Contractor as indicated in the contract plans and as indicated on the attached Status of Improvements.

This project was inspected and there were no visible indications of any Potentially Contaminated Sites on proposed Right of Way, **except** as indicated on the attached Status of Potentially Contaminated Sites. The status of the utilities to be adjusted or relocated is shown in the report attached.

Attached:
Right of Way Status
Encroachment Certification
Hazardous Waste Status
Asbestos Abatement Status
Utility Status

Sincerely,

RIGHT OF WAY DIVISION

Daniel B. Smith
Division Administrator

DBS:ar

Attachments

Pc: Chief Engineer (65-01)
LPA Division (77-01)
Construction Engineer (73-01)
District Six (26-01)
Project Engineer (26-01 PE)
Facility & Maintenance (89-20)

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Mary Dryden*	*Henry Naylor*

Mr. B.B. House, Contract Administration Engineer
Contract Administration Division
Mississippi Department of Transportation
Post Office Box 1850
Jackson MS 39215-1850

RE: Project: Longleaf Trace – Phase III
Project No.: HPP-0210-00(015) LPA/105214-801000
LPA: City of Hattiesburg
County: Forrest

Dear Mr. House,

This is to certify that all necessary rights-of-way have been acquired, including legal and physical possession, for the above referenced project. Said rights-of-way have been acquired in accordance with State regulations and Federal Highway Administration directives governing the acquisition of real property including CFR 49, Part 24. Attached please find a "Clear Site Certification" from our attorney as well as a detailed list of the rights-of-way which have been obtained for construction.

This the 7th day of October, 2013

City of Hattiesburg

Mayor Johnny L. Dupree
Project Director

Clear Site Certification

Acquisition Counsel

Project No. HPP-0210-00(015)

Project Description: Longleaf Trace - Phase III

As Acquisition Counsel representing the City of Hattiesburg, I do hereby certify that, regarding the referenced project:

1. I have investigated and ascertained the location(s) of, and am familiar with the legal description(s) of the site(s) (including easements and rights-of-way) required for all elements (construction, operation, and maintenance) of the above referenced project as submitted by the engineers.

2. I have examined the deed records of the city or counties in which the project is to be located and in my opinion, the City of Hattiesburg has a legal and valid fee simple title, or permissive use through easement, right of entry, permit, or Resolution, or such other estate or interest in the site(s) sufficient to assure undisturbed right of entry subject to the terms of the applicable permits, Deeds, Resolutions, easements and rights of entry as to parcels listed in the scope of work for this project, see attached.

3. All documents required for this project have been duly recorded and filed for record wherever necessary, if applicable.

I understand that I shall immediately provide written notice to the City of Hattiesburg if at any time I learn that this Certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, and that it is true, accurate, and complete.

Acquisition Counsel (Signature)

8/9/2013

Date

Acquisition

Name	Parcel Number
Larry Malone	2-028G-05-141.00
Wilmut Gas & Oil	2-028H-05-125.00
BTR Investments	2-028H-05-273.00
Beulah Ware	2-028H-05-274.00
Sheila Eckardt	2-028H-05-275.00
John & Ruth Holmes	2-028H-05-276.00
Estate of Arnold Freeman	2-028H-05-277.00
Perry Miller	2-028H-05-278.00
Estate of Arnold Freeman	2-028H-05-279.00
Don & Diane Bailey	2-028H-05-280.00
Zelma Barrett	2-028H-05-281.00
Paula Nelson	2-028H-05-282.00
Edna Johnson	2-028H-05-283.00
Robert Mordica	2-028J-05-004.00
USM	2-028J-05-006.00
Judy Williamson	2-029E-04-025.00
C. Winston & Gail Russell	2-029E-04-026.00
Gordon Lackey	2-029E-04-028.00
Ratna Mitra	2-029E-04-029.00
Tonna Gaines	2-029E-04-030.00
Jaket, LLC	2-029E-04-031.00
David Saulters	2-029E-04-039.00
Hercules	2-029L-09-040.00

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Mary Dryden*	*Henry Naylor*

HAZARDOUS WASTE SITE INSPECTION REPORT

Project: Longleaf Trace – Phase III
Project No.: HPP-0210-00(015) LPA/105214-801000
LPA: City of Hattiesburg
County:Forrest

This is to certify that the above referenced project has been inspected and there are no visible indications of potentially contaminated sites.

This the 7th day of October, 2013

City of Hattiesburg

Mayor Johnny L. Dupree
Project Director

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1 *Kim Bradley* | **Council - Ward 2** *Deborah Denard Delgado* | **Council - Ward 3** *Carter Carroll* | **Council - Ward 4** *Mary Dryden* | **Council - Ward 5** *Henry Naylor*

ASBESTOS ABATEMENT REPORT

Project: Longleaf Trace – Phase III
Project No.: HPP-0210-00(015) LPA/105214-801000
LPA: City of Hattiesburg
County:Forrest

This is to certify that the above referenced project has been inspected and there are no buildings within the project limits that require Asbestos Abatement.

This the 7th day of October, 2013

City of Hattiesburg

Mayor Johnny L. Dupree
Project Director

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Mary Dryden*	*Henry Naylor*

ENCROACHMENT CERTIFICATE

Mr. B.B. House, Contract Administration Engineer
Contract Administration Division
Mississippi Department of Transportation
Post Office Box 1850
Jackson MS 39215-1850

RE: Project: Longleaf Trace – Phase III
Project No.: HPP-0210-00(015) LPA/105214-801000
LPA: City of Hattiesburg
County: Forrest

Dear Mr. House,

Encroachment Certification:
This is to certify based on a site inspection of the rights-of-way to be used in the construction of this project reveals that there are no encroachments on the subject project.

This is to also certify that all encroachments on Mississippi Department of Transportation rights-of-way within the jurisdiction of the City of Hattiesburg that have been identified by Mississippi Department of Transportation notice(s) have been removed or will be removed prior to final acceptance of the subject project.

This the 4th day of October, 2013

City of Hattiesburg

Mayor Johnny L. Dupree
Project Director

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Mary Dryden*	*Henry Naylor*

UTILITY REPORT

Project: Longleaf Trace – Phase III
Project No.: HPP-0210-00(015) LPA/105214-801000
LPA: City of Hattiesburg
County: Forrest

The status of utilities is as follows:

Mississippi Power and Light Company – No adjustments are required for construction.

Bell South (AT&T) – No adjustments are required for construction.

Hattiesburg City Water and Sewer – No adjustments are required for construction.

This is to certify that arrangements have been made as indicated above for the adjustment of all utility facilities as required for coordination with the physical construction schedules. As noted, the Contractor's operations should not be adversely affected.

This the 7th day of October, 2013

City of Hattiesburg

Mayor Johnny L. Dupree
Project Director

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Inter-Departmental Memorandum

TO: Mr. David Seyfarth
District LPA Engineer (16-10)

DATE: October 2, 2013

FROM: Mr. Jared Brogan
Hattiesburg Project Office (16-13)

SUBJECT OR PROJECT NO: HPP-0210-00(015) LPA/ 105214-801000
Longleaf Trace-Phase 3

INFORMATION COPY TO:

COUNTY: Pearl River

Jeff Altman- State LPA Engineer (77-01)
Kelly Castleberry- District 6 Engineer (26-01)
Ronnie Shivers- Right of Way Officer (26-01)
Kyle Wallace-Shows, Dearman, & Waites
Project File (16-13)

STATUS OF UTILITY RELOCATION WORK

A.T. &T (BellSouth) - There are no known utility conflicts at this time.

City of Hattiesburg (Water and Sewer) - There are no known utility conflicts at this time.

Comcast Cable- There are no known utility conflicts at this time.

Mississippi Power- There are no known utility conflicts at this time.

Willmut Gas Company- There are no known utility conflicts at this time.

This is to certify that adjustments to facilities owned by the above mentioned utility companies have been completed to the best of my knowledge and are acceptable, and in accordance with the terms of the agreement. Said adjustments are located within the limits of the above mentioned LPA project.
SEE DISCLAIMER

Jared Brogan
Utility Coordinator (16-13)

Disclaimer:

The utility facilities have been identified by representatives of the Local Public Agency (LPA), or their agents. Due to known differences between the permit practices of the LPA and the Mississippi Department of Transportation (MDOT), the locations of the facilities are assumed to be approximate. MDOT can only show approximate location and presence based upon investigation and discovery by the LPA and its agents; and consequently cannot certify the facilities location and presence. Therefore, In the event the utility facilities are discovered to be in conflict, damaged, or otherwise impact the proposed construction, the LPA shall bear all responsibility and/ or claims associated with these facilities. Furthermore, the LPA shall indemnify and hold harmless the Mississippi Department of Transportation, the Mississippi Transportation Commission, and its representatives in the event that damages and/ or claims should arise.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2818 **CODE: (SP)**

DATE: **10/01/2009**

SUBJECT: **Non-Quality Control / Quality Assurance Concrete**

Bidders are advised that the following pay items will not be accepted based on the Quality Control / Quality Assurance (QC/QA) requirements of Section 804 of the specifications. The acceptance of these pay items will be based on sampling and testing at the project site by MDOT forces. The Contractor is required to submit mix designs to accomplish this work in accordance with Section 804 and perform normal Quality Control functions at the concrete plant. Acceptance will be in accordance with the requirements of 907-601, Structural Concrete, and TMD-20-04-00-000. At the discretion of the Engineer, the Contractor may request that the concrete be accepted based on QC/QA requirements.

Pay Item	Description
221	Paved Ditches
601	Minor Structures - manholes, inlets, catch basins, junction boxes, pipe headwalls, and pipe collars.
606	Guardrail Anchors
607	Fence Post Footings
608	Sidewalks
609	Curb and Gutter
614	Driveways
616	Median and Island Pavement
630	Sign Footings, except Overhead Sign Supports

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3039 **CODE: (SP)**

DATE: **03/23/2010**

SUBJECT: **Alternate Asphalt Mixture Bid Items**

Bidders are advised that the asphalt mixture used on this project will be bid as an alternate pay item: Hot Mix Asphalt (HMA) or Warm Mix Asphalt (WMA). Bidders must select one of the alternates at the time of bid. **The Contractor must use the selected asphalt mixture, HMA or WMA, throughout the entire project.**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3040 **CODE: (SP)**

DATE: **03/23/2010**

SUBJECT: **Plan Sheets**

Bidders are advised that the Summary of Quantities sheets and the Typical Section sheets in Plans may or may not have the alternate bid item listed for Warm Mix Asphalt. Regardless of whether the plans sheets indicate Warm Mix Asphalt, Hot Mix Asphalt and Warm Mix Asphalt are alternate bid items on the project.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3067 **CODE: (SP)**

DATE: **04/14/2010**

SUBJECT: **Storm Water Discharge Associated with Construction Activity (≥ 1 and < 5 Acres)**

Construction Storm Water General NPDES Permit MSR 15 to discharge storm water associated with construction activity is required. This project is granted permission to discharge treated storm water into State waters. Copies of said permit and Storm Water Pollution Prevention Plan (SWPPP) are on file with the Department.

Prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director an original signed copy of the completed Prime Contractor Certification (Form No. 1).

Failure of the bidder to execute and file the completed Prime Contractor Certification (Form No. 1) shall be just cause for the cancellation of the award.

The executed Prime Contractor Certification (Form No. 1).shall be prima facie evidence that the bidder has examined the permit, is satisfied as to the terms and conditions contained therein, and that the bidder has the primary responsibility for meeting all permit terms and conditions including, but not limited to, the inspection and reporting requirements of Part IV. For this project, the Contractor shall furnish, set up and read, as needed, an on-site rain gauge.

The Contractor must furnish the Project Engineer a completed copy of the Small Construction Notice of Intent (SCNOI) along with the Contractor's Erosion Control Plan.

The Contractor shall make inspections in accordance with condition No. S-4, Page 13, and shall furnish the Project Engineer with the results of each weekly inspection as soon as possible following the date of inspection. The weekly inspections must be documented monthly on the Inspection and Certification Form, a copy of which is provided. The Contractor's representative and the Project Engineer shall jointly review and discuss the results of the inspections so that corrective action can be taken. The Project Engineer shall retain copies of the inspection reports.

The Engineer will have the authority to suspend all work and/or withhold payments for failure of the Contractor to carry out provisions of MDEQ's Storm Water Construction General Permit, the erosion control plan, updates to the erosion control plan, and /or proper maintenance of the BMPs.

Securing a permit (s) for storm water discharge associated with the Contractor's activity on any other regulated area the Contractor occupies, shall be the responsibility of the Contractor.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3242 **CODE: (SP)**

DATE: **09/21/2010**

SUBJECT: **Warm Mix Asphalt**

Bidders are advised that MDOT approved products and processes for the production of Warm Mix Asphalt is available at the following MDOT website.

http://www.gomdot.com/Divisions/Highways/Resources/MPL/Home.aspx

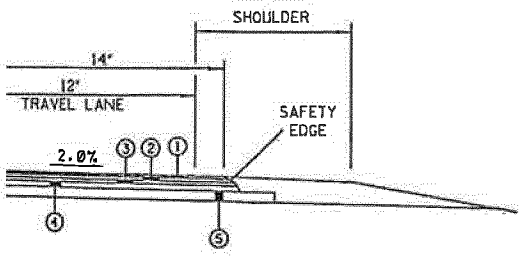
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

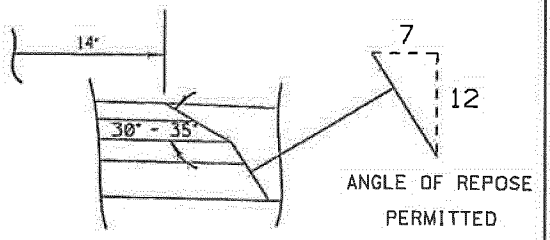
SECTION 904 - NOTICE TO BIDDERS NO. 3585 **CODE: (SP)**

DATE: **06/22/2011**

SUBJECT: **Safety Edge**

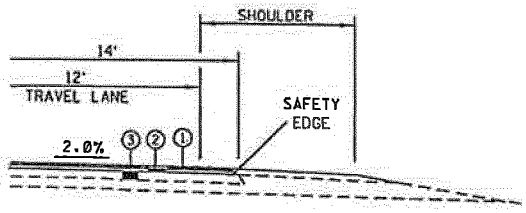
Bidders are hereby advised that the Shoulder Wedge (Safety Edge) specified in the Supplement to Special Provision 907-401-2 shall only apply to the top two (2) lifts of asphalt. Attached is a drawing showing the safety edge.

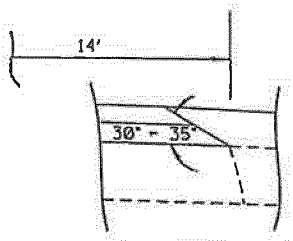




SAFETY EDGE REQ'D
TOP 2 LIFTS ONLY
(NOT A PAY ITEM)

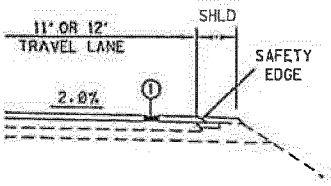
NEW CONSTRUCTION

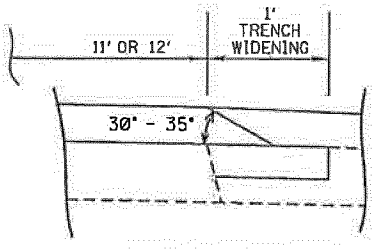




SAFETY EDGE REQ'D
TOP 2 LIFTS ONLY
(NOT A PAY ITEM)

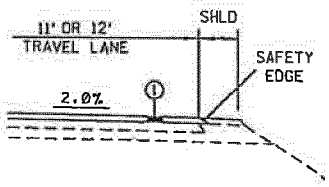
OVERLAY
14' PAVEMENT

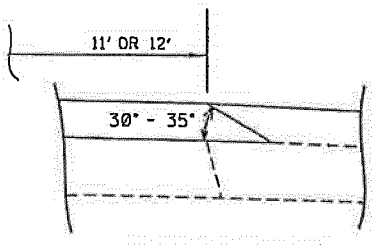




SAFETY EDGE REQ'D
(NOT A PAY ITEM)

OVERLAY
11' OR 12' PAVEMENT
WITH TRENCH WIDENING





SAFETY EDGE REQ'D
(NOT A PAY ITEM)

OVERLAY
11' OR 12' PAVEMENT
WITHOUT TRENCH WIDENING

SAFETY EDGE DETAILS **4/8/2011**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3612 **CODE: (SP)**

DATE: 08/10/2011

SUBJECT: Additional Erosion Control Requirements

Bidders are hereby advised of the following requirements that relate to erosion control activities on the project.

THE MAXIMUM TOTAL ACREAGE THAT CAN BE DISTURBED, AT ONE TIME, ON THE PROJECT IS NINETEEN (19) ACRES. THE CONTRACTOR SHALL BE REQUIRED TO STABILIZE DISTURBED AREAS PRIOR TO OPENING UP ADDITIONAL SECTIONS OF THE PROJECT. STABILIZED SHALL BE WHEN THE DISTURBED AREA MEETS ONE OF THE FOLLOWING CRITERIA:

- **THE AREA HAS BEEN GRASSED, EITHER TEMPORARY OR PERMANENT, AND MULCHED ACCORDING TO THE SPECIFICATIONS,OR**
- **A CRUSHED STONE COURSE OR A LIFT OF ASPHALT PAVEMENT HAS BEEN PLACED, OR**
- **THE AREA HAS BEEN CHEMICALLY TREATED USING PORTLAND CEMENT OR LIME-FLY ASH, AND SEALED.**

DISTURBED AREAS INCLUDE THE ROADBED, SLOPES AND REMAINING AREA OUT TO THE ROW LINE.

Clearing and Grubbing: Prior to beginning any clearing and grubbing operations on the project, controls shall be in place to address areas such as drainage structures, wetlands, streams, steep slopes and any other sensitive areas as directed by the Engineer. Clearing and grubbing should be limited to the minimum area necessary to construct the project. Grubbing operations should be minimized in areas outside the construction limits and stumps should be cut off flush with the existing ground elevations. A buffer area of at least fifteen (15) feet shall be in place adjacent to the right-of-way line and at least five (5) feet adjacent to stream banks. The buffer area can either be the existing vegetation that is left undisturbed or re-established by planting new vegetation if clearing and grubbing was required.

Unclassified Excavation: Cut sections shall be graded in accordance with the typical sections and plan grades. Permanent erosion control BMP's should be placed as soon as possible after the cut material has been moved. Fill sections that are completed shall have permanent erosion control BMP's placed. Fill sections that are not completed will be either permanently or temporarily grassed until additional material is made available to complete these sections. All unclassified excavation on the project will still be required to be moved prior to incorporating any borrow excavation on the project. The contractor may have to stockpile unclassified excavation in order to comply with the nineteen (19) acre requirement. No additional compensation will be made for stockpiling operations.

Disturbed areas that remain inactive for a period of more than fourteen (14) days shall be temporary grassed and mulched. Temporary grassing and mulching shall only be paid one time for a given area.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3655 **CODE: (SP)**

DATE: **10/04/2011**

SUBJECT: **Type III Barricade Rails**

Bidders are advised that the use of 2-inch nominal thickness timber for rails on Type III barricades has not been approved by NCHRP as a crashworthy device. Therefore, the use of 2-inch nominal thickness timbers will not be allowed for rails on Type III Barricades. Timber rails for Type III Barricades shall be as follows.

- For barricades up to four feet (4') wide, the maximum thickness of timber rails shall be one inch (1") and the material shall be pine timber or ¾-inch ACX plywood.

- For barricades more than four feet (4') wide, timber rails shall be constructed of ¾-inch ACX plywood.

A list of crashworthy Type III Barricades can be found at the below FHWA website.

http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/wzd/

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO NOTICE TO BIDDERS NO. 4103LPA

DATE: 02/14/2014

The goal is 6 percent for the Disadvantaged Business Enterprise. The low bidder is required to submit Form OCR-481 for all DBEs. Bidders are advised to check the bid tabulation link for this project on the MDOT website at:

http://sp.gomdot.com/Contract%20Administration/BidSystems/Pages/letting%20calendar.aspx

LPA Projects: Delete entire Pre-Bid Section at the top of page 6

Delete subparagraph (3) under AWARD on page 7, and substitute the following.

(3) Bidder must submit an OCR-485 listing all firms that submitted quotes for material supplies or items to be subcontracted. Please make and add copies of this form when needed or attach additional sheets containing the information required by the form and add these sheets to the bid proposal. Form OCR-485 must be signed and submitted with the bid proposal. If at least one copy of this form is not signed and included as part of bid proposal, your bid will be deemed irregular.

Delete subparagraph (5) under DBE REPORTS on page 8, and substitute the following.

(5) OCR-485: Bidder must submit **signed form with bid proposal** of all firms that submitted quotes for material supplies or items to be subcontracted. Please make and add copies of this form when needed or attach additional sheets containing the information required by the form and add these sheets to the bid proposal. If at least one copy of this form is not signed and included as part of bid proposal, your bid will be deemed irregular.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4103 **CODE: (IS)**

DATE: **9/12/2012**

SUBJECT: **DISADVANTAGED BUSINESS ENTERPRISES IN FEDERAL-AID HIGHWAY CONSTRUCTION**

This contract is subject to the "Moving Ahead for Progress in the 21st Century Act (MAP-21)" and applicable requirements of "Part 26, Title 49, Code of Federal Regulations". Portions of the Act are set forth in this Notice as applicable to compliance by the Contractor and all of the Act, and the MDOT DBE Program, is incorporated by reference herein.

The Department has developed a Disadvantaged Business Enterprise Program that is applicable to this contract and is made a part thereof by reference.

Copies of the program may be obtained from:

Office of Civil Rights
Mississippi Department of Transportation
P. O. Box 1850
Jackson, Mississippi 39215-1850

POLICY

It is the policy of the Mississippi Department of Transportation to provide a level playing field, to foster equal opportunity in all federally assisted contracts, to improve the flexibility of the DBE Program, to reduce the burdens on small businesses, and to achieve that amount of participation that would be obtained in a non-discriminatory market place. In doing so, it is the policy of MDOT that there will be no discrimination in the award and performance of federally assisted contracts on the basis of race, color, sex, age, religion, national origin, or any handicap.

ASSURANCES THAT CONTRACTORS MUST TAKE

MDOT will require that each contract which MDOT signs with a sub-recipient or a Contractor, and each subcontract the Prime Contractor signs with a Subcontractor, includes the following assurances:

"The Contractor, subrecipient or Subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as MDOT deems appropriate."

DEFINITIONS

For purposes of this provision the following definitions will apply:

"Disadvantaged Business" means a small business concern: (a) which is at least 51 percent owned by one or more socially and economically disadvantaged individual(s) or in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more socially and economically disadvantaged individual(s); and (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individual(s) who own it. It is important to note that the business owners themselves must control the operations of the business. Absentee ownership or title ownership by an individual who does not take an active role in controlling the business is not consistent with eligibility as a DBE under CFR 49 Part 26.71.

CONTRACTOR'S OBLIGATION

The Contractor and all Subcontractors shall take all necessary and reasonable steps to ensure that DBE firms can compete for and participate in the performance of a portion of the work in this contract and shall not discriminate on the basis of race, color, national origin, religion or sex. Failure on the part of the Contractor to carry out the DBE requirements of this contract constitutes a breach of contract and after proper notification the Department may terminate the contract or take other appropriate action as determined by the Department.

When a contract requires a zero percent (0%) DBE goal, the Contractor still has the responsibility to take all necessary and reasonable steps to ensure that DBE firms can compete for and participate in the performance of the work in the contract. In this case, all work performed by a certified DBE firm is considered to be a "race neutral" measure and the Department will receive DBE credit towards the overall State goals when the DBE firm is paid for their work. If the Prime Contractor is a certified DBE firm, the Department can receive DBE credit only for the work performed by the Prime Contractor's work force or any work subcontracted to another DBE firm. Work performance by a non-DBE Subcontractor is not eligible for DBE credit.

CONTRACT GOAL

The goal for participation by DBEs is established for this contract in the attached Supplement. The Contractor shall exercise all necessary and reasonable steps to ensure that participation is equal to or exceeds the contract goal.

The percentage of the contract that is proposed for DBEs shall be so stated on the last bid sheet of the proposal.

The apparent lowest responsive bidder shall submit to the Office of Civil Rights Form OCR-481, signed by the Prime Contractor and the DBE Subcontractors, no later than the 10th day after opening of the bids.

Form OCR-481 is available on the MDOT website at GoMDOT.com, then Divisions, Civil Rights, Forms, DBE, MDOT Projects, or by calling 601-359-7466.

FORMS ARE AVAILABLE FROM THE OFFICE OF CIVIL RIGHTS

The OCR-481 Form must contain the following information:

The name and address of each certified DBE Contractor / Supplier;

The Reference Number, percent of work and the dollar amount of each item. If a portion of an item is subcontracted, a breakdown of that item including quantities and unit price must be attached, detailing what part of the item the DBE firm is to perform and who will perform the remainder of the item.

If the DBE Commitment shown on the last bid sheet of the proposal, does not equal or exceed the contract goal, the bidder must submit, with the proposal, information to satisfy the Department that adequate good faith efforts have been made to meet the contract goal.

Failure of the lowest bidder to furnish acceptable proof of good faith efforts, submitted with the bid proposal, shall be just cause for rejection of the proposal. Award may then be made to the next lowest responsive bidder or the work may be readvertised.

The following factors are illustrative of matters the Department will consider in judging whether or not the bidder has made adequate good faith effort to satisfy the contract goal.

(1) Whether the bidder attended the pre-bid meeting that was scheduled by the Department to inform DBEs of subcontracting opportunities;

(2) Whether the bidder advertised in general circulation, trade association, and minority-focus media concerning the subcontracting opportunities;

(3) Whether the bidder provided written notice to a reasonable number of specific DBEs that their interest in the contract is being solicited;

(4) Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether they were interested;

(5) Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goal;

(6) Whether the bidder provided interested DBEs with adequate information about the plans, specifications and requirements of the contract;

(7) Whether the bidder negotiated in good faith with interested DBEs and did not reject them as unqualified without sound reasons based on a thorough investigation of their capabilities; and

(8) Whether the bidder made efforts to assist interested DBEs in obtaining any required bonding or insurance.

(9) Whether the bidder has written notification to certified DBE Contractors soliciting subcontracting for items of work in the contract.

(10) Whether the bidder has a statement of why an agreement was not reached.

The bidder's execution of the signature portion of the proposal shall constitute execution of the following assurance:

The bidder hereby gives assurance pursuant to the applicable requirements of "Moving Ahead for Progress in the 21st Century Act (MAP-21)" and applicable requirements of "Part 26, Title 49, Code of Federal Regulations" that the bidder has made a good faith effort to meet the contract goal for DBE participation for which this proposal is submitted.

DIRECTORY

A list of "Certified DBE Contractors" which have been certified as such by the Mississippi Department of Transportation and other Unified Certification Partners (UPC) can be found on the Mississippi Department of Transportation website at www.gomdot.com. The DBE firm must be certified at the time the project is let and approved by MDOT to count towards meeting the DBE goal.

REPLACEMENT

If a DBE Subcontractor cannot perform satisfactorily, and this causes the OCR-481 commitment to fall below the contract goal, the Contractor shall take all necessary reasonable steps to replace the DBE with another certified DBE Subcontractor or submit information to satisfy the Mississippi Department of Transportation that adequate good faith efforts have been made to replace the DBE. The replacement DBE must be a DBE who was on the Department's list of "Certified DBE Contractors" when the job was let, and who is still active. All DBE replacements must be approved by the Department.

Under no circumstances shall the Prime or any Subcontractor perform the DBE's work (as shown on the OCR-481) without prior written approval from the Department. See "Sanctions" at the end of this document for penalties for performing DBE's work.

When a Contractor proposes to substitute/replace/terminate a DBE that was originally named on the OCR-481, the Contractor must obtain a release, in writing, from the named DBE explaining why the DBE Subcontractor cannot perform the work. A copy of the original DBE's release must be attached to the Contractor's written request to substitute/replace/terminate along with appropriate Subcontract Forms for the substitute/replacement/terminated Subcontractor, all of which must be submitted to the DBE Coordinator and approved, in advance, by MDOT.

GOOD FAITH EFFORTS

To demonstrate good faith efforts to replace any DBE that is unable to perform successfully, the Contractor must document steps taken to subcontract with another certified DBE Contractor. Such documentation shall include no less than the following:

(1) Proof of written notification to certified DBE Contractors by certified mail that their interest is solicited in subcontracting the work defaulted by the previous DBE or in subcontracting other items of work in the contract.

(2) If the Prime Contractor is a certified DBE firm, only the value of the work actually performed by the DBE Prime can be counted towards the project goal, along with any work subcontracted to a certified DBE firm.

(3) If the Contractor is not a DBE, the work subcontracted to a certified DBE Contractor will be counted toward the goal.

(4) The Contractor may count toward the goal a portion of the total dollar value of a contract with a joint venture eligible under the standards of this provision equal to the percentage of the DBE partner in the joint venture.

(5) Expenditures to DBEs that perform a commercially useful function may be counted toward the goal. A business is considered to perform a commercially useful function when it is responsible for the execution of a distinct element of the work and carries out its responsibilities by actually performing, managing, and supervising the work involved.

(6) The Contractor may count 100% of the expenditures for materials and supplies obtained from certified DBE suppliers and manufacturers that produce goods from raw materials or substantially alters them for resale provided the suppliers and manufacturers assume the actual and contractual responsibility for the provision of the materials and supplies. The Contractor may count sixty percent (60%) of the expenditures to suppliers that are not manufacturers, provided the supplier performs a commercially useful function in the supply process. Within 30 days after receipt of the materials, the Contractor shall furnish to the DBE Coordinator invoices from the certified supplier to verify the DBE goal.

(7) Any work that a certified DBE firm subcontracts or sub-subcontracts to a non-DBE firm will not count towards the DBE goal.

(8) Only the dollars actually paid to the DBE firm may be counted towards the DBE goal.

Failure of the Contractor to demonstrate good faith efforts to replace a DBE Subcontractor that cannot perform as intended with another DBE Subcontractor, when required, shall be a breach of contract and may be just cause to be disqualified from further bidding for a period of up to 12 months after notification by certified mail.

PRE-BID MEETING

A pre-bid meeting will be held in Amphitheater 1 & 2 of the Hilton Jackson located at I-55 and County Line Road, Jackson, Mississippi at 2:00 P.M. on the day preceding the date of the bid opening.

This meeting is to inform DBE firms of subcontracting and material supply opportunities. Attendance at this meeting is considered of prime importance in demonstrating good faith effort to meet the contract goal.

PARTICIPATION / DBE CREDIT

Participation shall be counted toward meeting the goal in this contract as follows:

(1) If the Prime Contractor is a certified DBE firm, only the value of the work actually performed by the DBE Prime can be counted towards the project goal, along with any work subcontracted to a certified DBE firm.

(2) If the Contractor is not a DBE, the work subcontracted to a certified DBE Contractor will be counted toward the goal.

(3) The Contractor may count toward the goal a portion of the total dollar value of a contract with a joint venture eligible under the standards of this provision equal to the percentage of the DBE partner in the joint venture.

(4) Expenditures to DBEs that perform a commercially useful function may be counted toward the goal. A business is considered to perform a commercially useful function when it is responsible for the execution of a distinct element of the work and carries out its responsibilities by actually performing, managing, and supervising the work involved.

(5) The Contractor may count 100% of the expenditures for materials and supplies obtained from certified DBE suppliers and manufacturers that produce goods from raw materials or substantially alters them for resale provided the suppliers and manufacturers assume the actual and contractual responsibility for the provision of the materials and supplies. The Contractor may count sixty percent (60%) of the expenditures to suppliers that are not manufacturers, provided the supplier performs a commercially useful function in the supply process. Within 30 days after receipt of the materials, the Contractor shall furnish to the DBE Coordinator invoices from the certified supplier to verify the DBE goal.

(6) Any work that a certified DBE firm subcontracts or sub-subcontracts to a non-DBE firm will not count towards the DBE goal.

(7) Only the dollars actually paid to the DBE firm may be counted towards the DBE goal.

AWARD

Award of this contract to the low bidder will be contingent upon the following conditions:

(1) Concurrence from Federal Highway Administration, when applicable.

(2) Bidder must submit to the Office of Civil Rights for approval, Form OCR-481 (DBE Commitment) no later than the 10th day after opening of the bids, or submit information with the bid proposal to satisfy the Department and that adequate good faith efforts have been made to meet the contract goal. For answers to questions regarding Form OCR-481, contact the MDOT Office of Civil Rights at (601) 359-7466.

(3) Bidder must submit a list of all firms that submitted quotes for material supplies or items to be subcontracted. This information must be submitted on form OCR-485 in the back of the contract proposal. Form OCR-485 must be signed and submitted **with the bid proposal.**

Prior to the start of any work, the bidder must notify the Project Engineer, in writing, of the name of the designated "DBE Liaison Officer" for this project. This notification must be posted on the bulletin board at the project site.

DEFAULT

The contract goal established by MDOT in this proposal must be met to fulfill the terms of the contract. The Contractor may list DBE Subcontractors and items that exceed MDOT's contract goal, but should unforeseen problems arise that would prevent a DBE from completing its total commitment percentage, the Contractor will meet the terms of the contract as long as it meets or exceeds MDOT's Contract Goal. For additional information, refer to "Replacement" section of this Notice.

DBE REPORTS

(1) OCR-481: Refer to "CONTRACT GOAL" section of this Notice to Bidders for information regarding this form.

(2) OCR-482: At the conclusion of the project the Contractor will submit to the Project Engineer for verification of quantities and further handling Form OCR-482 whereby the Contractor certifies to the amounts of payments made to each Contractor / Supplier. The Project Engineer shall submit the completed Form OCR-482 to the DBE Coordinator (Office of Civil Rights). Final acceptance of the project is dependent upon Contract Administration Division's receipt of completed Form OCR-482 which they will receive from the Office of Civil Rights.

(3) OCR-483: The Project Engineer/Inspector will complete Form OCR-483, the Commercially Useful Function (CUF) Performance Report, in accordance with MDOT S.O.P. No. OCR-03-09-01-483. Evaluations reported on this form are used to determine whether or not the DBE firm is performing a CUF. The Prime Contractor should take corrective action when the report contains any negative evaluations. DBE credit may be

disallowed and/or other sanctions imposed if it is determined the DBE firm is not performing a CUF. This form should also be completed and returned to the DBE Coordinator (Office of Civil Rights).

(4) OCR-484: Each month, the Contractor will submit to the Project Engineer OCR-484 certifying payments to all Subcontractors.

(5) OCR-485: The bidder must submit **with the bid proposal** a list of all firms that submitted quotes for material supplies or items to be subcontracted.

(6) OCR-487: Only used by Prime Contractors that are certified DBE firms. This form is used in determining the exact percentage of DBE credit for the specified project. It should be returned to MDOT with the OCR-481 form, or can also be returned with the Permission to Subcontract Forms (CAD-720 or CAD-725).

SANCTIONS

The Department has the option to enforce any of the following penalties for failure of the Prime Contractor to fulfill the DBE goal as stated on the OCR-481 form or any violations of the DBE program guidelines:

(1) Disallow credit towards the DBE goal

(2) Withhold progress estimate payments

(3) Deduct from the final estimate an amount equal to the unmet portion of the DBE goal

(4) Recover an amount equal to the unmet contract goal

(5) Debar the Contractor involved from bidding on Mississippi Department of Transportation projects.

(6) Deduct from the Contractor's final estimate all or any combination of the following.

Offense	Percentage of the monetary amount disallowed from (1) above	Lump Sum
# 1	10%	$ 5,000 or both
# 2	20%	$ 10,000 or both
# 3	40%	$ 20,000 & debarment

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4189 **CODE: (SP)**

DATE: **11/08/2012**

SUBJECT: **Rumble Stripe**

Bidders are hereby advised that when edge lines are placed over rumble strips, the pavement marking stripe must be applied using the atomization/spray method instead of extrusion / ribbon method. To ensure the proper alignment of the rumble stripes, the Contractor will be required to place a layout line to be followed during installation of the edge lines over the rumble strips.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4214 **CODE: (IS)**

DATE: **11/29/2012**

SUBJECT: **Safety Apparel**

Bidders are advised that the Code of Federal Regulations CFR 23 Part 634 final rule was adopted November 24, 2006 with an effective date of November 24, 2008. This rule requires that "All workers within the right-of-way of a Federal-Aid Highway who are exposed either to traffic (vehicles using the highway for the purposes of travel) or to construction equipment within the work area shall wear high-visibility safety apparel". High-visibility safety apparel is defined in the CFR as "personnel protective safety clothing that is intended to provide conspicuity during both daytime and nighttime usage, and that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled American National Standard for High-Visibility Safety Apparel and Headwear". All workers on Mississippi State Highway right-of-way shall comply with this Federal Regulation. Workers are defined by the CFR as "people on foot whose duties place them within the right-of way of a Federal-Aid Highway, such as highway construction and maintenance forces, survey crews, utility crews, responders to incidents within the highway right-of-way, and law enforcement personnel when directing traffic, investigating crashes, and handling lane closures, obstructed roadways, and disasters within the right-of-way of a Federal-Aid Highway".

More information regarding high visibility safety apparel can be found at the following sites.

http://www.gpo.gov/fdsys/pkg/CFR-2008-title23-vol1/pdf/CFR-2008-title23-vol1-sec634-1.pdf

http://ops.fhwa.dot.gov/wz/resources/policy.htm#hv

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 4473 **CODE: (SP)**

DATE: **04/08/2013**

SUBJECT: **Alternate Crushed Stone Base Bid Items**

Bidders are advised that the Crushed Stone Base used on this project will be bid as an alternate pay item: ¾"-inch and Down Crushed Stone Base, Size 825B Crushed Stone Base, or Size 610 Crushed Stone Base. Bidders must select one of the alternates at the time of bid. **The Contractor must use the selected crushed stone base throughout the entire project.**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4488 LPA **CODE: (IS)**

DATE: **05/01/2013**

SUBJECT: DBE Forms, Participation and Payment

Bidders are hereby advised that the participation of a DBE Firm cannot be counted towards the Prime Contractor's DBE goal until the amount being counted towards the goal has been paid to the DBE.

Form OCR-482-LPA has been developed to comply with this requirement. Bidders are hereby advised that at the end of the job, the Prime Contractor will submit this form to the Project Engineer before the final estimate is paid and the project is closed out. This form certifies payments to all DBE Subcontractors over the life of the contract.

Form OCR-484-LPA has also been developed to comply with this requirement. Bidders are hereby advised that each month, the Prime Contractors will submit this form to the Project Engineer no later than the last day of each month. This form certifies payments to all Subcontractors and shows all firms even if the Prime Contractor has paid no monies to the firm during that estimate period (negative report). The Project Engineer will attach this form to the monthly estimate before forwarding the estimate to the Local Public Agency (LPA) Division for processing.

Bidders are also advised that Form OCR-485-LPA will be completed by **ALL BIDDERS** submitting a bid proposal and **must be signed and included in the bid proposal package**. If at least one copy of this form is not signed and included as part of bid proposal, your bid will be deemed irregular.

DBE Forms, including Forms OCR-482-LPA, OCR-484-LPA and OCR-485-LPA, can be obtained from the Office of Civil Rights Division, MDOT Administration Building, 401 North West Street, Jackson, MS, or at www.gomdot.com under *Business, Disadvantaged Enterprise, Applications and Forms for the DBE Program, MDOT Forms.*

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4565 **CODE: (SP)**

DATE: **06/27/2013**

SUBJECT: **Manual on Uniform Traffic Control Devices**

Any reference in the Standard Specifications or contract documents to a particular Section of the Manual on Uniform Traffic Control Devices (MUTCD) it shall mean that Section of the latest version of the Manual on Uniform Traffic Control Devices.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4566 **CODE: (SP)**

DATE: **07/02/2013**

SUBJECT: **DUNS Requirement for Federal Funded Projects**

Bidders are advised that the Prime Contractor must maintain current registrations in the Central Contractor Registration (http://www.sam.gov) at all times during this project. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number (http://www.dnb.com) is one of the requirements for registration in the Central Contractor Registration.

Bidders are also advised that the following information needs to be completed and included in the bid documents:

DUNS: _____

Company Name: _____

Company e-mail address: _____

By: _____

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4661 **CODE: (IS)**

DATE: 10/16/2013

SUBJECT: Payroll Requirements

Bidders are hereby advised that the Contractor and Subcontractor(s) are required to submit payroll information to the Project Engineers on a weekly basis.

On Federal-Aid Projects, CAD-880, CAD-881 and certified payroll submissions are required each week the Contractor or a Subcontractor performs work on the project. This is addressed in Section IV of Form FHWA-1273.

On State-Funded Projects, CAD-880 is required each week the Contractor or a Subcontractor performs work on the project.

When no work is performed on either Federal-Aid or State-Funded Projects, the Contractor should only submit CAD-880 showing no work activities.

The Contractor shall make all efforts necessary to submit this information to the Project Engineer in a timely manner. The Engineer will have the authority to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to submit the required information. Submission of forms and payrolls shall be current through the first full week of the month for the estimate period in order for the Project Engineer to process an estimate.

Bidders are advised to review the requirements regarding payroll submissions in Section 110 of the Standard Specifications.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5053 **CODE: (SP)**

DATE: **06/03/2014**

SUBJECT: **Contractor Correspondence**

Bidders are advised that all correspondence concerning this project, other than correspondence related to the execution of the contract and sub-contracting, shall be sent to the Project Engineer. The Project Engineer will then forward any necessary correspondence to the appropriate Division. This includes general correspondence, submittals, shop drawings, requests for advancement of materials, etc.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 9000 **CODE: (SP)**

DATE: **2/14/2014**

SUBJECT: **Contract Time**

PROJECT: **HPP-0210-00(015)LPA / 105214-801000**

The calendar date for completion of work to be performed by the Contractor for this project shall be a Specified Completion Date (SCD) which date or extended date as provided in Subsection 907-108.06 shall be the end of contract time.

The Specified Completion Date (SCD) shall be calculated after the Notice of Award using the date of the Notice to Proceed / Beginning of Contract Time and the available productive days assigned to the project as described in Subsection 907-108.06.

The available productive days for this project are **70.**

A progress schedule, as referenced to in Subsection 907-108.03.1, should be reviewed by the Project Engineer and submitted to MDOT LPA Coordinator for concurrence.

A Preconstruction Conference as required by Subsection 907-108.03.2 should be held prior to the Notice to Proceed / Beginning of Contract Time.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 9001 **CODE: (SP)**

DATE: 9/5/2013

SUBJECT: Cooperation Between Contractors

PROJECT: HPP-0210-00(015)LPA/105214-801000

The Bidder's attention is hereby called to Subsection 105.07, Cooperation between Contractors, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction.

The Bidder is advised that an adjacent section of 4th Street is currently under construction at the North end of this project.

The Contractor shall cooperate in all respects and shall coordinate construction of all phases of work at the North end of this project with the Contractor of the adjacent project.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 9002 **CODE: (SP)**

DATE: 12/4/2013

SUBJECT: Environmental Requirements

PROJECT: HPP-0210-00(015)LPA/105214-801000 – Forrest County

Bidders are hereby advised that the following items are required to perform work on subject project.

- A possibility that unrecorded cultural resources may be encountered during the project. Should this occur, the contractor shall contact the MS Dept. of Archives and History.

- Structures located at 1014 – 1016 North Main Street will be protected from alterations.

General Decision Number: MS140169 07/18/2014 MS169

Superseded General Decision Number: MS20130169

State: Mississippi

Construction Type: Highway

County: Forrest County in Mississippi.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Modification Number	Publication Date
0	01/03/2014
1	07/18/2014

* ELEC0903-003 06/01/2014

	Rates	Fringes
ELECTRICIAN	$ 23.80	12.5%+4.40

SUMS2008-130 09/04/2008

	Rates	Fringes
CARPENTER	$ 13.00	0.00
CEMENT MASON/CONCRETE FINISHER	$ 11.54	1.63
LABORER: Common or General	$ 8.34	0.00
LABORER: Pipelayer	$ 10.17	0.00
OPERATOR: Backhoe	$ 12.57	0.00
OPERATOR: Broom/Sweeper	$ 8.00	0.00
OPERATOR: Bulldozer	$ 11.63	0.00
OPERATOR: Grader/Blade	$ 11.10	0.00
OPERATOR: Mechanic	$ 13.00	0.00
OPERATOR: Piledriver	$ 12.50	1.23
OPERATOR: Roller	$ 9.31	0.00
OPERATOR: Scraper	$ 10.00	0.00
TRUCK DRIVER	$ 10.34	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included withinthe scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formalprocess described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SUPPLEMENT TO FORM FHWA-1273 LPA

DATE: 10/19/2013

SUBJECT: Final Certificate and Contract Provisions for Subcontracts

All subcontracts shall be in writing and contain all pertinent provisions and requirements of the prime contract.

Each "Request for Permission to Subcontract" (Form RPS-1) shall include a copy of subcontract for review by the Mississippi Department of Transportation. The federal contract provisions may be omitted from the subcontract copy submitted for review provided the Contractor certifies that the provisions will be physically incorporated into the agreement furnished to the Subcontractor.

In lieu of submitting a copy of the subcontract for review, the Contractor may certify that the subcontract agreement is in writing and that it contains all the requirements and pertinent provisions of the prime contract.

Each Subcontractor will be required to provide a copy of the subcontract agreement for contract compliance reviews, along with physical evidence (copy of FHWA-1273) that requirements and pertinent provisions have been provided for review and adherence.

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Nonsegregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Compliance with Governmentwide Suspension and Debarment Requirements
XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b.(1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or

will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goal for female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work, is 6.9%.

Until further notice	Goals for minority participation for each trade (percent)
SHSA Cities:	
Pascagoula - Moss Point	16.9
Biloxi - Gulfport	19.2
Jackson	30.3
SMSA Counties:	
Desoto	32.3
Hancock, Harrison, Stone	19.2
Hinds, Rankin	30.3
Jackson	16.9
Non-SMSA Counties:	
George, Greene	26.4
Alcorn, Benton, Bolivar, Calhoun, Carroll, Chickasaw, Clay, Coahoma, Grenada, Itawamba, Lafayette, Lee, Leflore, Marshall, Monroe, Montgomery, Panola, Pontotoc, Prentiss, Quitman, Sunflower, Tallahatchie, Tate, Tippah, Tishomingo, Tunica, Union, Washington, Webster, Yalobusha	26.5
Attala, Choctaw, Claiborne, Clarke, Copiah, Covington, Franklin, Holmes, Humphreys, Issaquena, Jasper, Jefferson, Jefferson Davis, Jones Kemper, Lauderdale, Lawrence, Leake, Lincoln, Lowndes, Madison, Neshoba, Newton, Noxubee, Oktibbeha, Scott, Sharkey, Simpson, Smith, Warren, Wayne, Winston, Yazoo	32.0
Forrest, Lamar, Marion, Pearl River, Perry, Pike, Walthall	27.7
Adams, Amite, Wilkinson	30.4

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4.2(d). Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor, estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is to the county and city (if any), stated in the advertisement.

5. The notification required in Paragraph 3 shall be addressed to the following:

Contract Compliance Officer
Mississippi Department of Transportation
P.O. Box 1850
Jackson, Mississippi 39215-1850

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-101-4 **CODE: (IS)**

DATE: **11/05/2008**

SUBJECT: **Definitions**

Section 101, Definitions and Terms, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-101.02--Definitions. Replace the following definitions in Subsection 101.02 on pages 3 through 13.

Contract - The written agreement between the Mississippi Transportation Commission and the Contractor setting forth the obligations of the parties thereunder, including but not limited to, the performance of the work, the furnishing of labor and materials, and the basis of payment.

The contract includes the invitation for bids, proposal, contract form and contract bonds, specifications, supplemental specifications, interim specifications, general and detailed plans, special provisions, notices to bidders, notice to proceed, and also any agreements that are required to complete the construction of the work in an acceptable manner, including authorized extensions thereof, all of which constitute one instrument.

Contract Bonds - The approved form of security, executed by the Contractor and the Contractor's Surety(ies), guaranteeing complete execution of the contract and all supplemental agreements pertaining thereto and the payment of all legal debts pertaining to the construction of the project. This term includes Performance and Payment Bond(s).

Surety - A corporate body, qualified under the laws of Mississippi, which is bound with and for the successful bidder by "contract bond(s)" to guarantee acceptable performance of the contract and payment of all legal taxes and debts pertaining to the construction of the project, including payment of State Sales Tax as prescribed by law, and any overpayment made to the Contractor.

Add the following to the list of definitions in Subsection 101.02 on pages 3 through 13.

Performance Bond - The approved form of security, executed by the Contractor and issued by the Contractor's Surety(ies), guaranteeing satisfactory completion of the contract and all supplemental agreements pertaining thereto.

Payment Bond - The approved form of security, executed by the Contractor and issued by the Contractor's Surety(ies), guaranteeing the payment of all legal debts pertaining to the construction of the project including, but not limited to, the labor and materials of subcontractors and suppliers to the prime contractor.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-102-4 LPA **CODE: (SP)**

DATE: **04/29/2014**

SUBJECT: **Bidding Requirements and Conditions**

907-102.06--Preparation of Proposal. Delete the fifth, sixth, seventh, eighth, and ninth paragraphs of Subsection 102.06 on page 18.

907-102.08--Proposal Guaranty. Delete the two paragraphs in Subsection 102.08 on page 20 and substitute the following:

No proposal will be considered unless accompanied by certified check, cashier's check or bid bond, made payable to the LPA listed in the contract, in an amount of not less than five percent (5%) of the total amount of the proposal offered. The guaranty shall be evidence of good faith that, if awarded the contract, the bidder will execute the contract and give performance and payment contract bond(s) as stipulated in Subsection 907-103.05.1, 907-103.05.2, and as required by law.

If a bid bond is offered as guaranty, the bond must be on a form approved by the Chief LPA Official, made by a Surety acceptable to the Chief LPA Official and signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent and the Bidder. Such bid bond shall also conform to the requirements and conditions stipulated in Subsection 907-103.05.2 as applicable.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-103-8 **CODE: (SP)**

DATE: 12/15/2009

SUBJECT: Award and Execution of Contract

Section 103, Award and Execution of Contract, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-103.04--Return of Proposal Guaranty. Delete the second paragraph of Subsection 103.04 on page 23 and substitute the following:

Certified checks or cashier's checks submitted as proposal guaranties, except those of the two lowest bidders, will be returned within 10 days of contract award. The retained proposal guaranty of the unsuccessful of the two lowest bidders will be returned within ten days following the execution of a contract with the successful low bidder. The retained proposal guaranty of the successful bidder will be returned after satisfactory performance and payment bonds have been furnished and the contract has been executed.

In the event all bids are rejected by the Commission, certified checks or cashier's checks submitted as proposal guaranty by all bidders will be returned within 10 days of rejection.

Delete Subsection 103.05 on page 23 and substitute the following:

907-103.05--Contract Bonds.

907-103.05.1--Requirement of Contract Bonds. Prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director a performance and payment bond(s), in a sum equal to the full amount of the contract as a guaranty for complete and full performance of the contract and the protection of the claimants and the Department for materials and equipment and full payment of wages in accordance with Section 65-1-85 Miss. Code Ann. (1972 as amended). In the event of award of a joint bid, each individual, partnership, firm or corporation shall assume jointly the full obligations under the contract and the contract bond(s).

907-103.05.2--Form of Bonds. The form of bond(s) shall be that provided by or acceptable to the Department. These bonds shall be executed by a Mississippi agent or qualified nonresident agent and shall be accompanied by a certification as to authorization of the attorney-in-fact to commit the Surety company. A power of attorney exhibiting the Surety's original seal supporting the Mississippi agent or the qualified nonresident agent's signature shall be furnished with each bond. The Surety company shall be currently authorized and licensed in good standing to conduct business in the State of Mississippi with a minimum rating by A.M. Best of (A-) in the latest printing "Best's Key Rating Guide" to write individual bonds up to ten percent of the policy holders' surplus or listed on the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as

published by the United States Department of the Treasury, Financial Management Service, Circular 570 (latest revision as published and supplemented on the Financial Management Service Web site and in the Federal Register) within the underwriting limits listed for that Surety. All required signatures on the bond(s) and certifications shall be original signatures, in ink, and not mechanical reproductions or facsimiles. The Mississippi agent or qualified nonresident agent shall be in good standing and currently licensed by the Insurance Commissioner of the State of Mississippi to represent the Surety company(ies) executing the bonds.

Surety bonds shall continue to be acceptable to the Commission throughout the life of the Contract and shall not be canceled by the Surety without the consent of the Department. In the event the Surety fails or becomes financially insolvent, the Contractor shall file a new Bond in the amount designated by the Executive Director within thirty (30) days of such failure, insolvency, or bankruptcy. Subsequent to award of Contract, the Commission or the Department may require additional security for any supplemental agreements executed under the contract or replacement security in the event of the surety(ies) loss of the ratings required above. Suits concerning bonds shall be filed in the State of Mississippi and adjudicated under its laws without reference to conflict of laws principles.

907-103.08--Failure to Execute Contract.. In the first sentence of Subsection 103.08 on page 24, change "bond" to "performance and payment bonds".

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-104-5 **CODE: (IS)**

DATE: **05/01/2013**

SUBJECT: **Scope of Work**

Section 104, Scope of Work, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-104.05--Removal and Disposal of All Materials From the Project. Delete the second sentence of the first full paragraph of Subsection 104.05 on page 30 and substitute the following:

The Contractor shall also furnish the Engineer a certified letter stating that the area of disposal is not in a wetland or in Waters of the U.S.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-105-7

DATE: 04/02/2014

SUBJECT: Control of Work

Before Subsection 907-105.05 on page 1, add the following.

907-105.04--Coordination of Plans, Specifications, Interim Specifications, Special Provisions and Notice to Bidders. Delete the second full paragraph of Subsection 105.04 on page 35, and substitute the following.

In case of a conflict between plan quantities, advertisement quantities, and/or bid sheet quantities, the bid sheet quantities shall prevail.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-105-7 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Control of Work

Section 105, Control of Work, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is modified as follows.

907-105.05--Cooperation by Contractor. In the third sentence of the second paragraph of Subsection 105.05 on page 35, change "Notice to Proceed" to "Notice of Award".

Delete the fourth paragraph of Subsection 105.05 on page 35, and substitute the following.

On projects that include erosion control pay items, the Contractor shall also designate a responsible person whose primary duty shall be to monitor and maintain the effectiveness of the erosion control plan, including NPDES permit requirements. This responsible person must be a Certified Erosion Control Person certified by an organization approved by the Department. Prior to or at the pre-construction conference, the Contractor shall designate in writing the Certified Erosion Control Person to the Project Engineer. The designated Certified Erosion Control Person shall be assigned to only one (1) project. When special conditions exist, such as two (2) adjoining projects or two (2) projects in close proximity, the Contractor may request in writing that the State Construction Engineer approve the use of one (1) Certified Erosion Control Person for both projects. The Contractor may request in writing that the Engineer authorize a substitute Certified Erosion Control Person to act in the absence of the Certified Erosion Control Person. The substitute Certified Erosion Control Person must also be certified by an organization approved by the Department. A copy of the Certified Erosion Control Person's certification must be included in the Contractor's Protection Plan as outlined in Subsection 907-107.22.1. This in no way modifies the requirements regarding the assignment and availability of the superintendent.

907-105.14--Maintenance During Construction. Before the first sentence Subsection 105.14 on page 39, add the following.

The Contractor will be responsible for the maintenance of existing roadways within the limits of this project starting on the date of the Notice To Proceed / Beginning of Contract Time. Anytime work is performed in a travel lane, the Contractor shall install portable lane closure signs meeting the requirement of the MDOT Standard Drawing or MUTCD.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-13 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Legal Relations and Responsibility to Public

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-107.02--Permits, Licenses and Taxes. Delete in toto Subsection 107.02 on page 49 and substitute the following.

The Contractor or any Subcontractor shall have the duty to determine any and all permits and licenses required and to procure all permits and licenses, pay all charges, fees and taxes and issue all notices necessary and incidental to the due and lawful prosecution of the work. At any time during the life of this contract, the Department may audit the Contractor's or Subcontractor's compliance with the requirements of this section.

The Contractor or any Subcontractor is advised that the "Mississippi Special Fuel Tax Law", Section 27-55-501, et seq. and the Mississippi Use Tax Law, Section 27-67-1, et seq., and their requirements and penalties, apply to any contract or subcontract for construction, reconstruction, maintenance or repairs, for contracts or subcontracts entered into with the State of Mississippi, any political subdivision of the State of Mississippi, or any Department, Agency, Institute of the State of Mississippi or any political subdivision thereof.

The Contractor or any Subcontractor will be subject to one or more audits by the Department during the life of this contract to make certain that all applicable fuel taxes, as outlined in Section 27-55-501, et seq., and any sales and/or use taxes, as outlined in Section 27-67-1, et seq. are being paid in compliance with the law. The Department will notify the Mississippi State Tax Commission of the names and addresses of any Contractors or Subcontractors.

907-107.14--Damage Claims and Insurance.

907-107.14.2--Liability Insurance. Delete Subsection 107.14.2 beginning on page 60 and substitute the following.

907-107.14.2.1--General. The Contractor shall carry Contractor's liability, including subcontractors and contractual, with limits not less than: $500,000 each occurrence; $1,000,000 aggregate; automobile liability - $500,000 combined single limit - each accident; Workers' Compensation and Employers' Liability - Statutory & $100,000 each accident; $100,000 each employee; $500,000 policy limit. Each policy shall be signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent of the Insurance Company.

The Contractor shall have certificates furnished to the Department from the insurance companies providing the required coverage. The certificates shall be on the form furnished by the Department and will show the types and limits of coverage.

907-107.14.2.2--Railroad Protective. The following provisions are applicable to all work performed under a contract on, over or under the rights-of-way of each railroad shown on the plans.

The Contractor shall assume all liability for any and all damages to work, employees, servants, equipment and materials caused by railroad traffic.

Prior to starting any work on railroad property, the Contractor shall furnish satisfactory evidence to the Department that insurance of the forms and amounts set out herein in paragraphs (a) and (b) has been obtained. Also, the Contractor shall furnish similar evidence to the Railroad Company that insurance has been obtained in accordance with the Standard Provisions for General Liability Policies and the Railroad Protective Liability Form as published in the Code of Federal Regulations, 23 CFR 646, Subpart A. Evidence to the Railroad Company shall be in the form of a Certificate of Insurance for coverages required in paragraph (b), and the original policy of the Railroad Protective Liability Insurance for coverage required in paragraph (a).

All insurance herein specified shall be carried until the contract is satisfactorily complete as evidenced by a release of maintenance from the Department.

The Railroad Company shall be given at least 30 days notice prior to cancellation of the Railroad Protective Liability Insurance policy.

For work within the limits set out in Subsection 107.18 and this subsection, the Contractor shall provide insurance for bodily injury liability, property damage liability and physical damage to property with coverages and limits no less than shown in paragraphs (a) and (b). Bodily injury shall mean bodily injury, sickness, or disease, including death at anytime resulting therefrom. Property damage shall mean damages because of physical injury to or destruction of property, including loss of use of any property due to such injury or destruction. Physical damage shall mean direct and accidental loss of or damage to rolling stock and their contents, mechanical construction equipment or motive power equipment.

(a) **Railroad Protective Liability Insurance** shall be purchased on behalf of the Railroad Company with limits of $2,000,000 each occurrence; $6,000,000 aggregate applying separately to each annual period for lines without passenger trains. If the line carries passenger train(s), railroad protective liability insurance shall be purchased on behalf of the Railroad Company with limits of $5,000,000 each occurrence; $10,000,000 aggregate applying separately to each annual period.

Coverage shall be limited to damage suffered by the railroad on account of occurrences arising out of the work of the Contractor on or about the railroad right-of-way, independent of the railroad's general supervision or control, except as noted in paragraph 4 below.

Coverage shall include:

(1) death of or bodily injury to passengers of the railroad and employees of the railroad not covered by State workmen's compensation laws,

(2) personal property owned by or in the care, custody or control of the railroads,

(3) the Contractor, or any of the Contractor's agents or employees who suffer bodily injury or death as a result of acts of the railroad or its agents, regardless of the negligence of the railroads, and

(4) negligence of only the following classes of railroad employees:

(i) any supervisory employee of the railroad at the job site

(ii) any employee of the railroad while operating, attached to, or engaged on, work trains or other railroad equipment at the job site which are assigned exclusively to the Contractor, or

(iii) any employee of the railroad not within (i) or (ii) above who is specifically loaned or assigned to the work of the Contractor for prevention of accidents or protection or property, the cost of whose services is borne specifically by the Contractor or Governmental authority.

(b) **Contractor's Liability - Railroad**, including subcontractors, XCU and railroad contractual with limits of $1,000,000 each occurrence; $2,000,000 aggregate. **Automobile** with limits of $1,000,000 combined single limit any one accident; **Workers' Compensation and Employer's Liability** - statutory and $100,000 each accident; $100,000 each employee; $500,000 policy limit. **Excess/Umbrella Liability** $5,000,000 each occurrence; $5,000,000 aggregate. All coverage to be issued in the name of the Contractor shall be so written as to furnish protection to the Contractor respecting the Contractor's operations in performing work covered by the contract. Coverage shall include protection from damages arising out of bodily injury or death and damage or destruction of property which may be suffered by persons other than the Contractor's own employees.

In addition, the Contractor shall provide for and on behalf of each subcontractor by means of a separate and individual liability and property damage policy to cover like liability imposed upon the subcontractor as a result of the subcontractor's operations in the same amounts as contained above; or, in the alternative each subcontractor shall provide same.

907-107.15--Third Party Beneficiary Clause. In the first sentence of the first paragraph of Subsection 107.15 on page 61, change "create the public" to "create in the public".

907-107.17--Contractor's Responsibility for Work. Delete the fifth sentence of the fifth paragraph of Subsection 107.17 on page 63 and substitute the following.

The eligible permanent items shall be limited to traffic signal systems, changeable message signs, roadway signs and sign supports, lighting items, guard rail items, delineators, impact

attenuators, median barriers, bridge railing or pavement markings. The eligible temporary items shall be limited to changeable message signs, guard rail items, or median barriers.

907-107.18--Contractor's Responsibility for Utility Property and Services. After the first sentence of Subsection 107.18 on page 63, add the following:

Prior to any excavation on the project, the Contractor shall contact MS 811 and advise them to mark all known utilities in the area of the excavation.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-107-14

DATE: 06/03/2014

SUBJECT: **Contractor's Protection Plan**

907-107.22.1--Contractor's Erosion Control Plan. Delete the first sentence of the second paragraph of Subsection 907-107.22.1 on page 1, and substitute the following.

The time between the Notice of Award and Notice to Proceed/Beginning of Contract Time in the proposal, has been allowed for the submittal and concurrence of the Contractor's erosion control plan, MDOT's review of the plan, and any revisions that may be necessary.

After the last paragraph of Subsection 907-107.22.1 on page 2, add the following.

As soon as the ECP has been approved, a copy of the SWPPP (Narrative, ECP with updates) shall be available on the project at all times. The Contractor shall provide and install a weatherproof enclosure, such as a mailbox, on the project at a location that will be readily accessible to the Engineer or others who may want to review the project ECP. The cost of installing and maintaining this enclosure shall be included in the prices bid for the various erosion control pay items and no direct payment will be made for this work.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-14 **CODE: (IS)**

DATE: 05/22/2013

SUBJECT: Contractor's Protection Plan

Section 107, Legal Relations and Responsibility to Public, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete in toto Subsection 107.22.1 on pages 65 and 66, and substitute the following.

907-107.22.1--Contractor's Erosion Control Plan. At the preconstruction conference or prior to starting any work on the project, the Contractor shall submit to the Project Engineer for concurrence a comprehensive erosion and siltation control plan. The plan shall utilize temporary measures and permanent erosion control features to provide acceptable controls during all stages of construction. If an early Notice to Proceed is desired, the Contractor's Erosion Control Plan should be submitted to the Engineer as soon as possible after award since an approved erosion control plan is required for an early Notice to Proceed.

Approximately 60 calendar days, the time between the Notice of Award and Notice to Proceed/Beginning of Contract Time in the proposal, has been allowed for the submittal and concurrence of the Contractor's erosion control plan, MDOT's review of the plan, and any revisions that may be necessary. The original contract time shall not be adjusted unless delays are caused solely by the Department for the submission, review, and concurrence of the Contractor's erosion control plan.

As a minimum, the plan shall include the following:

1. Erosion Control Plan (ECP) sheets or the plan profile sheets, 11" x 17" or larger, of all areas within the rights-of-way from the Beginning of the Project (BOP) to the End of the Project (EOP) showing the location of all temporary erosion control devices. Erosion control devices should be identified by exact type, temporary or permanent, configuration, and placement of each item to prevent erosion and siltation. A narrative of the Contractor's temporary erosion control plan shall be submitted in a format similar to the form attached to this special provision, but must include the heading and sub-heading information. As a minimum, the narrative shall include the following:
   - A detailed description, including locations (station numbers) of the Contractor's proposed sequence of operations including, but not limited to, clearing and grubbing, excavation, drainage, and structures.
   - A detailed description, including locations, and best management practices (BMP) that will be used to prevent siltation and erosion from occurring during the Contractor's proposed sequence of operations.

2. A copy of the certification for the Contractor's Certified Erosion Control Person whose primary duty shall be monitoring and maintaining the effectiveness of the erosion control plan, BMPs, and compliance with the NPDES permit requirements.
3. A plan for the disposal of waste materials on the project right-of-way which shall include but not be limited to the following:
   - containment and disposal of materials resulting from the cleaning (washing out) of concrete trucks that are delivering concrete to the project site.
   - containment and disposal of fuel / petroleum materials at staging areas on the project.

The erosion and siltation control plan shall be maintained on the project site at all times, updated as work progresses to show changes due to revisions in the sequences of construction operations, replacement of inadequate BMPs, and the maintenance of BMPs. Work shall not be started until an erosion control plan has been concurred with by the MDOT. The Engineer will have the authority to suspend all work and/or withhold payments for failure of the Contractor to carry out provisions of MDEQ's Storm Water Construction General Permit, the erosion control plan, updates to the erosion control plan, and /or proper maintenance of the BMPs.

907-107.22.2--Clearing and Grubbing, Haul Roads, Waste Areas, Plant Sites or Other Areas Occupied by the Contractor. Delete the fourth paragraph of Subsection 107.22.2 on page 66 and substitute the following.

Unless otherwise determined by the Engineer from a study of overall job conditions, the exposed surface area of erodible material at any one time on this project shall not exceed 19 acres without prior approval by the Engineer.

EXAMPLE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
Storm Water Pollution Prevention Plan (SWPPP)
Narrative

General Permit Coverage No: MSR_____
Project Number: _____
County: _____
Route: _____

SITE INFORMATION

This project consists of grading and installing drainage structures necessary to construct approximately 6 miles of parallel lanes on SR 31 between the Hinds County Line and the Rankin County Line.

SEDIMENT AND EROSION CONTROLS

VEGETATIVE CONTROLS: Clearing and grubbing areas will be minimized to comply with the buffer zones (minimum of 15 feet along the ROW lines and 5 feet along creeks) as per the contract documents. A combination of temporary and permanent grassing will be used to protect slopes as construction progresses. **Should a disturbed area be left undisturbed for 14 days or more, temporary or permanent vegetation will be placed within 7 calendar days.**

STRUCTURAL CONTROLS: Gravel construction entrance/exit will be installed near Stations 145+50, 159+50, 164+50 & 172+50. Riprap ditch checks will be constructed at Stations 144+50, 151+75, 162+00 & 166+25. The Concrete washout area will be at Stations 140+25, 152+00 & 168+50.

HOUSEKEEPING PRACTICES: Structural BPM's will be cleaned out when sediment reaches 1/3 to 1/2 of the height of the BMP. Maintenance and repair of equipment will be performed off-site, material wash out will occur either off-site or within designated wash out areas.

POST-CONSTRUCTION CONTROL MEASURES: As construction is completed, permanent vegetative growth will be established on disturbed soils to improve soil stability and provide a buffer zone for loose material. Paved ditches and flumes will be placed as specified in the ECP to reduce erosion in concentrated flow areas and rip rap will be placed as specified to dissipate flow energy and reduce flow velocity.

IMPLEMENTATION SEQUENCE

Perimeter controls will be installed first. Clearing and grubbing will be performed in 19-acre sections beginning at the BOP and temporary grassing will be installed as needed. Temporary erosion control BMP's will be installed at the drainage structures prior/during construction of the drainage structures. Grading activities will commence at the BOP and proceed towards the EOP, fill slopes will be permanently grassed in stages for fill heights that exceed 5 feet. Base materials will be installed on completed grading sections with the paving to follow.

MAINTENANCE PLAN

All erosion and sediment control practices will be checked for stability and operation following every rainfall but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed. Sediment basins will be cleaned out when the level of sediment reaches 2.0 feet below the top of the riser. Sediment will be removed from behind BMP's when it becomes about 1/3 to 1/2 height of BMP.

_____ _____
Prime Contractor's Signature Date

_____ _____
Printed Name Title

CITY OF HATTIESBURG

SPECIAL PROVISION NO. 907-108-13LPA **CODE: (SP)**

DATE: **07/31/2009**

SUBJECT: **Liquidated Damages**

PROJECT: **LONGLEAF TRACE PHASE III**
HPP-0210-00(015)LPA/105214-801000

Section 108, Prosecution and Progress, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby modified as follows:

907-108.07--Failure to Complete the Work on Time. Delete the table in Subsection 108.07 on page 85, and substitute the following:

Liquidated damages for this project shall be **$1,000.00** per calendar day.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-108-30LPA **CODE: (SP)**

DATE: 5/8/2014

SUBJECT: Prosecution and Progress

Section 108, Prosecution and Progress, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-108.01--Subletting of Contract.

907-108.01.1--General. At the end of the last paragraph of Subsection 108.01.1 on page 73, add the following.

The Engineer will have the authority to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to make prompt payment within 15 calendar days as required above, or failure to submit the required OCR-484-LPA Form, Certification of Payments to Subcontractors, which is also designed to comply with prompt payment requirements.

907-108.02--Notice To Proceed. Delete the second paragraph of Subsection 108.02 on page 75 and substitute the following.

The anticipated date of the Notice to Proceed / Beginning of Contract Time shall be 60 calendar days after the Notice of Award.

Delete the fourth paragraph of Subsection 108.02 on page 75 and substitute the following.

Upon written request from the Contractor and if circumstances permit, the Notice to Proceed may be issued at an earlier date subject to the conditions stated therein. The Contractor shall not be entitled to any monetary damages or extension of contract time for any delay claim or claim of inefficiency occurring between the early issuance Notice to Proceed date and the Notice to Proceed date stated in the contract.

907-108.03--Prosecution and Progress. Delete Subsection 108.03.1 on pages 75 & 76, and substitute the following.

907-108.03.1--Progress Schedule. Prior to or at the Pre-Construction Conference, the Contractor shall furnish a progress schedule and be prepared to discuss both its proposed methodologies for fulfilling the scheduling requirements and its sequence of operations. The Engineer will review the schedule and approve the schedule as it relates to compliance with the specifications and logic. The progress schedule must be approved by the Engineer and MDOT LPA Coordinator prior to commencing work. The schedule shall be a bar-chart type schedule submitted on 11"x17" paper meeting the below minimum requirements. These activities shall be

significantly detailed enough to communicate the Contractor's understanding of the construction sequencing and phasing of the project.

When preparing the progress schedule, the Contractor shall include the following:

- Show a time scale to graphically show the completion of the work within contract time.
- Define and relate activities to the contract pay items.
- Show all activities in the order the work is to be performed including submittals, submittal reviews, fabrication and delivery.
- Show all activities that are controlling factors in the completion of the work.
- Show the time needed to perform each activity and its relationship in time to other activities.

Should the schedule not include the above requirements or becomes unrealistic during construction, the Contractor should immediately submit a revised, more realistic schedule for approval.

907-108.03.2--Preconstruction Conference. Delete the first paragraph of Subsection 108.03.2 on page 76 and substitute the following.

Prior to commencement of the work, a preconstruction conference shall be held for the purpose of discussing with the Contractor essential matters pertaining to the prosecution and satisfactory completion of the work. The Contractor will be responsible for scheduling the preconstruction conference. The Contractor will advise the Project Engineer in writing 14 days prior to the requested date that a conference is requested. The preconstruction conference will be coordinated through the MDOT LPA Coordinator to insure that the proper MDOT representatives are in attendance. When the contract requires the Contractor to have a certified erosion control person, the Contractor's certified erosion control person shall be at the preconstruction conference. The local public agency will arrange for utility representatives and other affected parties to be present.

Delete the third paragraph of Subsection 108.03.2 on page 76.

907-108.06--Determination and Extension of Contract Time. Delete Subsections 108.06.1 and 108.06.2 on pages 79 thru 85 and substitute the following.

907-108.06.1--General. Unless otherwise indicated in the contract, contract time will be established on a completion date basis. The span of time allowed for the completion of the physical features of the work included in the contract will be "Contract Time." The completion date (contract time) will be determined by the number of productive days allowed for completing the work.

The span of time allowed in the contract as awarded is based on the quantities used for comparison of bids. If satisfactory fulfillment of the contract requires performance of work in greater quantities than those set forth in the proposal, the time allowed for completion shall be increased in available productive days in the same ratio that the cost of such added work, exclusive of the cost of work altered by Supplemental Agreement for which a time adjustment is made for such altered work in the Supplemental Agreement, bears to the total value of the original contract unless it can be established that the extra work was of such character that it required more time than is indicated by the monetary value.

The Contractor shall provide sufficient materials, equipment and labor to guarantee the completion of the work in the contract in accordance with the plans and specifications within the Contract Time.

907-108.06.2.2--Contract Time. The following TABLE OF ANTICIPATED PRODUCTIVE DAYS indicates an average/anticipated number of productive days per month.

TABLE OF ANTICIPATED PRODUCTIVE DAYS

Month	Available Productive Days
January	6
February	7
March	11
April	15
May	19
June	20
July	21
August	21
September	20
October	16
November	11
December	5
Calendar Year	172

Allocation of anticipated productive days for a fractional part of the month will be computed as a proportion of the listed anticipated productive days for the applicable month.

Available productive days will start being assessed at the original Notice to Proceed/Beginning of Contract Time date set in accordance with the contract, regardless of whether or not the Contractor has been issued an early Notice to Proceed.

Available productive days will be based on soil and weather conditions and other specific conditions cited in the contract. The Engineer will determine on each applicable day the extent to which work in progress could have been productive, regardless of whether the Contractor actually worked.

An available productive day will be assessed as follows:

(a) Any day of the week, Monday through Friday, exclusive of legal holidays recognized by the Department in Subsection 108.04.1, in which the Contractor works or could have worked for six (6) or more consecutive hours on the controlling item(s) of work, as determined by the Engineer from the Contractor's approved progress schedule. When the Contractor works or could work four but less than six consecutive hours, one-half (0.5) of an available work day will be charged for that day. When the Contractor works or could work six or more consecutive hours during the day, one (1.0) available work day will be charged for that day, or

(b) Any Saturday, exclusive of legal holidays recognized by the Department in Subsection 108.04.1, in which the Contractor works for six (6) or more consecutive hours on the controlling item(s) of work, as determined by the Engineer from the Contractor's approved progress schedule. When the Contractor works less than four consecutive hours during the day, no time will be charged for that day. When the Contractor works four but less than six consecutive hours, one-half (0.5) of an available work day will be charged for that day. When the Contractor works six or more consecutive hours during the day, one (1.0) available work day will be charged for that day.

Should the weather or other conditions be such that four (4) consecutive satisfactory hours are not available prior to noon (for daytime operations) or midnight (for nighttime operations), no time will be assessed for that day regardless of the above conditions. However, if the Contractor elects to work, time will be assessed in accordance with the previous paragraphs.

Weather delays will not be considered for Saturdays, Sundays or legal holidays recognized by the Department in Subsection 108.04.1.

The Engineer will maintain a daily cumulative assessment of available productive days throughout the duration of the contract time. When on the specified completion date, the cumulative available productive days is less than the available productive days established under the contract, the specified completion date will be automatically extended until and including the date on which the cumulative available productive days are at least equal to those provided for in the contract, upon which date contract time shall expire.

Each month the Engineer will complete, and furnish to the Contractor, an "Assessment Report for Available Productive Days" (CSD-765). This report shows the number of available productive days during the estimate period and the cumulative available productive days to date. The Contractor should review the Engineer's report as to the accuracy of the assessment and confer with the Resident or Project Engineer to rectify any differences. Each should make a

record of the differences, if any, and conclusions reached. In the event mutual agreement cannot be reached, the Contractor will be allowed a maximum of 15 calendar days following the ending date of the monthly report in question to file a protest Notice of Claim in accordance with the provisions of Subsection 105.17. Otherwise, the Engineer's assessment shall be final unless mathematical errors of assessment are subsequently found to exist, and any claim of the Contractor as to such matter shall be waived.

The Contractor's progress will be determined monthly at the time of each progress estimate and will be based on the percentage of money earned by the Contractor compared to the percentage of elapsed time.

The percentage of money earned will be determined by comparing the total money earned to date by the Contractor, minus any payment for advancement of materials, to the total dollar amount of the contract. The percentage of time elapsed will be determined by comparing the available productive days assessed to-date on Form CSD-765 to the total available productive days for the contract.

When the "percent complete" lags more than 20 percent behind the "percentage of elapsed time", the Contractor shall immediately submit a written statement and revised progress schedule indicating any additional equipment, labor, materials, etc. to be assigned to the work to ensure completion within the specified contract time. When the "percent complete" lags more than 40 percent behind the "percentage of elapsed time", the contract may be terminated.

907-108.06.2.3--Extension of Time. The Contractor may, prior to the expiration of the Contract Time, make a written request to the Engineer for an extension of time with a valid justification for the request. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time.

No extension of the specified completion date will be granted except as provided herein. An extension of contract time may be granted for abnormal delays caused solely by the State or other governmental authorities, or unforeseeable disastrous phenomena of nature of the magnitude of earthquakes, hurricanes, tornadoes, or flooded essential work areas which are deemed to unavoidably prevent prosecuting the work.

Revision of the specified completion date will be determined by converting the number of available productive days representing the calendar days of the delay into the number of calendar days representing that number of available productive days at the time of the extension. Any extension of contract time will be made on or after the specified completion date.
No extension of contract time will be made on a monthly basis.

If the specified completion date of the project is extended into a season of the year in which completion of certain items of work would be prohibited or delayed because of seasonal or temperature limitations, the Engineer may waive the limitations provided the completion of the work will not result in a reduction in quality. When determined that the completion of the out-of-season items will cause a reduction in the quality of the work, the completion of the project will

be further extended so the items may be completed under favorable weather conditions. In either case, the Engineer will get approval from MDOT and notify the Contractor in writing.

Liquidated damages as set forth in Subsection 108.07 under the heading "Daily Charge Per Calendar Day" in the Table titled "Schedule of Deductions for Each Day of Overrun in Contract Time", shall be applicable to each calendar day after the specified completion date, or authorized extension thereof, and until all work under the contract is completed.

907-108.06.2.4--Cessation of Contract Time. When the Engineer by written notice schedules a final inspection, time will be suspended until the final inspection is conducted and for an additional 14 calendar days thereafter. If after the end of the 14-day suspension all necessary items of work have not been completed, time charges will resume. If the specified completion date had not been reached at the time the Contractor called for a final inspection, the calendar day difference between the specified completion date and the date the Contractor called for a final inspection will be added after the 14-day period before starting liquidation damages. If a project is on liquidated damages at the time a final inspection is scheduled, liquidated damages will be suspended until the final inspection is conducted and for seven (7) calendar days thereafter. If after the end of the 7-day suspension all necessary items of work have not been completed, liquidated damages will resume. When final inspection has been made by the Engineer as prescribed in Subsection 105.16 and all items of work have been completed, the daily time charge will cease.

907-108.07--Failure to Complete the Work on Time. Delete the Schedule of Deductions table in Subsection 108.07 on page 85, and substitute the following.

Schedule of Deductions for Each Day of Overrun in Contract Time

Original Contract Amount		Daily Charge
From More Than	**To and Including**	**Per Calendar Day**
$ 0	100,000	$ 150
100,000	500,000	360
500,000	1,000,000	540
1,000,000	5,000,000	830
5,000,000	10,000,000	1,200
10,000,000	20,000,000	1,800
20,000,000	----------	3,500

907-108.10--Termination of Contractor's Responsibility. In the last sentence of Subsection 108.10 on page 88, change "bond" to "performance and payment bond(s)".

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-109-6

DATE: 06/03/2014

SUBJECT: **Measurement and Payment**

Before the first sentence of Subsection 907-109.04 on page 1, add the following.

Delete the first paragraph under Subsection 109.04 on page 91, and substitute the following.

When extra work results for any reason and is not handled as prescribed elsewhere herein, the Engineer and the Contractor will attempt to agree on equitable prices. When such prices are agreed upon, a Supplemental Agreement will be issued by the Engineer.

When the Supplemental Agreement process is initiated, the Contractor will be required to submit to the Engineer a detailed breakdown for Material, Labor, Equipment, Profit and Overhead. The total allowable markup (which includes Prime Contractor and Subcontractor work, if applicable) for Supplemental Agreement work shall not exceed 20%.

The requirement for detailed cost breakdowns may be waived when a Department's Bid Item History exists for the proposed item(s), and the Contractor's requested price, including mark-up, is within 20% of the Department's Bid History cost for that item(s). In any case, the Department reserves the right to request detailed cost breakdowns from the Contractor on any Supplemental Agreement request.

When equitable prices cannot be agreed upon mutually by the Engineer and the Contractor, the Engineer will issue a written order that work will be completed on a force account basis to be compensated in the following manner:

After the last paragraph of Subsection 907-109.07 on page 2, add the following.

Delete the last paragraph of Subsection 109.07 on pages 97 & 98, and substitute the following.

Adjustments herein provided shall not apply to fuels consumed or materials incorporated into the work during any monthly estimate period falling wholly after the expiration of contract time as defined in Subsection 101.02 of the applicable Mississippi Standard Specifications for Road and Bridge Construction, and as determined by checked final quantities..

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-109-6 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Measurement and Payment

Section 109, Measurement and Payment, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-109.01--Measurement of Quantities. Delete the third full paragraph of Subsection 109.01 on page 90 and substitute the following.

When requested by the Contractor, material specified to be measured by the cubic yard or ton may be converted to the other measure as appropriate. Factors for this conversion will be determined by the District Materials Engineer and agreed to by the Contractor. The conversion of the materials along with the conversion factor will be incorporated into the contract by supplemental agreement. The supplemental agreement must be executed before such method of measurement is used.

After the second sentence of the fourth full paragraph of Subsection 109.01 on page 90, add the following.

Where loose vehicle measurement (LVM) is used, the capacity will be computed to the nearest one-tenth cubic yard and paid to the whole cubic yard. Measurements greater than or equal to nine-tenths of a cubic yard will be rounded to the next highest number. Measurements less than nine-tenths of a cubic yard will not be rounded to the next highest number. Example: A vehicle measurement of 9.9 cubic yards will be classified as a 10-cubic yard vehicle. A vehicle measurement of 9.8 cubic yards will be classified as a 9-cubic yard vehicle.

907-109.04--Extra and Force Account Work. In the last sentence of subparagraph (b) in Subsection 109.04 on page 91, change "bond" to "bond(s)".

Delete the first sentence of the second paragraph of subparagraph (d) in Subsection 109.04 on page 92 and substitute the following.

In the event an agreement cannot be reached for a particular piece of equipment, the book entitled "Rental Rate Blue Book For Construction Equipment" as published by EquipmentWatch® and is current at the time the force account work is authorized will be used to determine equipment ownership and operating expense rates.

907-109.06--Partial Payment.

907-109.06.1--General. Delete the fourth and fifth sentences of the third paragraph of Subsection 109.06.1 on page 94, and substitute the following.

In the event mutual agreement cannot be reached, the Contractor will be allowed a maximum of

25 calendar days following the Contractor's receipt of the monthly estimate in question to file in writing, a protest Notice of Claim in accordance with the provisions Subsection 105.17. Otherwise, the Engineer's estimated quantities shall be considered acceptable pending any changes made during the checking of final quantities.

907-109.07--Changes in Material Costs. Delete the third full paragraph of Subsection 109.07 on page 96 and substitute the following.

A link to the established base prices for bituminous products and fuels will be included in the contract documents under a Notice to Bidders entitled "Petroleum Products Base Prices."

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-110-2 **CODE: (SP)**

DATE: 04/02/2010

SUBJECT: Wage Rates

Section 110, Required Contract Provisions, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-110.02--Application. Delete Subsection 110.02.2 on page 100 and substitute the following.

907-110.02.2--Wage Rates. All persons employed or working upon the site of the work will be paid at wage rates not less than those contained in the wage determination decision of the Secretary of Labor in effect 10 days prior to taking bids.

Bidders are advised that regardless of the wage rates listed in the Supplement to FHWA 1273 in the contract, minimum federal wage rates must be paid.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-225-3 **CODE: (IS)**

DATE: **02/23/2012**

SUBJECT: **Grassing**

Section 907-225, Grassing, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete in toto Section 225 on pages 158 thru 163, and substitute the following.

SECTION 907-225--GRASSING

907-225-01--Description. This work consists of furnishing, transporting, placing, plant establishment, and all work, including ground preparation, fertilizing, seeding, and mulching, necessary to produce a satisfactory and acceptable growth of grass.

At the Contractor's option, seeds and mulch may be incorporated using a hydraulically applied method under certain limitations. Under no circumstances shall fertilizer be incorporated hydraulically.

907-225.02--Materials.

907-225.02.1--Fertilizers. Fertilizers for purposes of this specification shall be understood to include standard manufactured products consisting of single or combination ingredients and agricultural limestone.

All fertilizer shall comply with the State fertilizer laws, Subsection 715.02, and the requirements of this specification.

907-225.02.2--Seeds. Seeds shall meet the requirements of Subsection 715.03, subject to the provisions of this subsection. The Contractor shall acquire seed from persons registered with the Mississippi Department of Agriculture and Commerce.

Except for the germination requirements, bags of seeds properly labeled or tagged according to law and indicating characteristics meeting or exceeding the requirements of Subsection 715.03 will be acceptable for planting.

The Contractor should provide adequate dry storage facilities for seeds, and shall furnish access to the storage for sampling stored seed.

907-225.02.3--Mulch.

907-225.02.3.1--Vegetative Mulch. The vegetative materials for mulch shall meet the

requirements of Subsection 215.02.

907-225.02.3.2--Hydraulically Applied Mulch (Hydromulch). Fibers for hydromulch shall be produced from wood, straw, cellulose, natural fibers, or recycled fibers which are free of non-biodegradable substances. The fiber shall disperse into a uniform slurry when mixed with water. Fibers shall be colored green, or other approved contrasting color, and shall not stain concrete or other surfaces. The use of tacifiers or activators will be allowed.

Hydromulch shall be listed on the Department's "Approved Sources of Materials".

907-225.02.3.2.1--Wood Fiber Mulch. Wood fiber mulch shall be made from wood chip particles manufactured particularly for discharging uniformly on the ground surface when dispersed by a hydraulic water sprayer. It shall remain in uniform suspension in water under agitation and blend with grass seed and fertilizer to form a homogeneous slurry. The fibers shall intertwine physically to form a strong moisture-holding mat on the ground surface and allow rainfall to percolate the underlying soil. The fiber material shall be heat processed so as to contain no germination or growth-inhibiting factors. The mulch shall be dyed an appropriate color to facilitate the application of material using non-toxic dye.

907-225.02.3.2.2--Cellulose Fiber Mulch. Cellulose fiber mulch consist of recycled paper stock products which are shredded into small pieces particular for application by hydraulic seeding equipment. It shall mix readily and uniformly under agitation with water and blend with grass seed and fertilizer to form a homogeneous slurry. When applied to the ground surface, the material shall form a strong moisture-holding mat, allow rainfall to percolate the underlying soil, and remain in place until the grass root system is established. The material shall contain no growth inhibiting characteristic or organisms. The mulch shall be dyed an appropriate color to facilitate the application of material using non-toxic dye.

907-225.02.3.2.3--Wood/Cellulose Fiber Mulch. Wood/cellulose fiber mix hydroseeding mulch shall consist of a combination of the above wood and cellulose fibers at a ratio recommended by the manufacturer of the products.

907-225.02.3.2.4--Straw Mulch. Straw mulch shall consist of a natural straw fiber. This material shall be a minimum 90% straw and essentially free from plastic materials or other non-bio degradable substances. The material shall be disperse into a uniform mulch slurry when mixed with water.

907-225.02.3.2.5--Tackifier. The tackifier will serve the purpose of an adhesive to form a bond between the soil, fiber, and seed particles. It will also allow the soil to retain moisture. The tackifier shall be of the organic or synthetic variety.

907-225.03--Construction Requirements.

907-225.03.1--Ground Preparation. Ground preparation, light or standard, consists of plowing, loosening, and pulverizing the soil to form suitable beds for erosion control items in reasonably close conformity with the established lines and grades without appreciable humps or depressions.

When grassing an area that has been previously planted with temporary grassing, a standard ground preparation will be required. The previously planted grasses shall be disked, tilled, plowed, etc. to assure that the existing temporary grasses are thoroughly mixed into the soil.

Any equipment used for ground preparation shall be approved units suitable to perform the work and subject to the requirements of Subsection 108.05.

The Contractor shall take full advantage of weather and soil conditions, and no attempt shall be made to prepare soil when it is wet or in a condition which will not allow the soil to be properly tilled.

Light ground preparation should be used on areas where seeding is required to improve the coverage of partially vegetated areas.

Standard ground preparation should be used on areas designated to be solid sodded and unvegetated areas designated to be seeded.

Aerating, moistening, or otherwise bringing the soil to a suitable condition for ground preparation shall be considered as incidental to the work and will not be measured for separate payment.

907-225.03.1.1--Light Ground Preparation. Light ground preparation consists of scratching the surface with a close-tooth harrow, disk-harrow, or similar equipment. The depth of scratching should be at least three-quarters inch but not deep enough to damage existing grasses of the type being planted.

907-225.03.1.2--Standard Ground Preparation. Standard ground preparation consists of plowing or disk-harrowing and thoroughly pulverizing the areas immediately before the application of erosion control (vegetative) items. Unless otherwise specified, the pulverized and prepared seedbed should be at least four inches deep and shall be reasonably free of large clods, earthballs, boulders, stumps, roots and other objectionable matter. Incorporation of fertilizer and ground preparation may be performed simultaneously.

907-225.03.2--Fertilizing. Fertilizing consists of furnishing, transporting, spreading, and incorporating fertilizers. The Contractor shall furnish all equipment necessary to properly handle, store, uniformly spread, and incorporate the specified application of fertilizer.

Unless otherwise specified in the contract, the Contractor shall incorporate bag fertilizer at a rate of 1000 pounds per acre of 13-13-13 commercial fertilizer. The equivalent rate of other type fertilizers will be allowed if the equivalent percentages of Nitrogen, Phosphorus and Potassium are obtained. The Contractor shall incorporate agricultural limestone at a rate of 5000 pounds per acre. Fertilization shall be applied uniformly on the areas to be planted or seeded and uniformly incorporated into the soil.

Fertilizers should be applied on individual areas of not more than three acres.

All fertilizer should be incorporated within 24 hours following spreading.

907-225.03.3--Seeding. Seeding consists of furnishing and planting seeds in a prepared seedbed, covering the seeds, and providing plant establishment on all areas seeded.

Prior to planting the seeds, ground preparation and fertilizing shall be satisfactorily performed.

The required type of seeds, minimum rates of application, and planting dates of seeds are shown in the vegetation schedule in the plans.

When a vegetation schedule is not shown in the plans, the following types of seed and application rates shall be used, unless otherwise approved by the Engineer.

Bermudagrass	20 pounds per acre
Bahiagrass	25 pounds per acre
Tall Fescue	15 pounds per acre
Crimson Clover	20 pounds per acre

It is the Contractor's responsibility to apply an ample amount of each type of seed to produce a satisfactory growth of grass and of the seed type required. At the completion of the project, a satisfactory growth of grass will be required. Reference Section 210 for satisfactory growth and coverage of dormant seed.

Seeding should not be done during windy weather or when the ground is frozen, extremely wet, or in a condition which will not allow the soil to be properly tilled.

907-225.03.3.1--Conventional Application. Legume seeds should be treated in accordance with Subsection 715.03.4 immediately before sowing. Seeds should be uniformly sown over the entire area with mechanical seeders. Seeds of different sizes may necessitate separate sowing. When legume seeds become dry, they should be re-inoculated.

All seeds should be covered lightly with soil by raking, rolling, or other approved methods, and the area compacted with a cultipacker.

Mulching should be performed as soon as practicable after seeding.

907-225.03.3.2--Hydroseeding Application. Seeds may be applied using the hydroseeding method except during the months of June, July, August, and September. During these months, the seeding shall be incorporated in accordance with the above Conventional Application method.

The seed(s) shall be combined into a distribution tank with all required ingredients on the project site. The application of the seed(s) and all ingredients shall be performed in one operation.

Mulching should be performed simultaneously with or as soon as practicable after seeding.

907-225.03.3.3--Plant Establishment. The Contractor should provide plant establishment on all areas seeded until release of maintenance. At the completion of the project, a satisfactory growth of grass will be required. The Contractor should reference Subsection 210 for satisfactory growth and coverage of dormant seed.

Plant establishment should be provided for a minimum period of 45 calendar days after completion of seeding. In the event satisfactory growth and coverage has not been attained by the end of the 45-day period, plant establishment should be continued until a satisfactory growth and coverage is provided for at least one kind of plant as referenced in Section 210. The Contractor shall perform plant establishment on all areas of temporary seeding until the Engineer determines that the temporary seeding has served its purpose.

Plant establishment shall consist of preserving, protecting, watering, reseeding, mowing, and other work necessary to keep the seeded areas in satisfactory condition.

Areas requiring reseeding should be prepared and seeded and all other work performed as if the reseeding was the initial seeding. The types and application rates of fertilizer will be at the discretion of the Contractor.

907-225.03.3.4--Growth and Coverage. It shall be the Contractor's responsibility to provide satisfactory growth and coverage of grasses, legumes, or combination produced from the specified seeding.

Growth and coverage on seeded areas will be considered to be in reasonably close conformity with the intent of the contract when the type of vegetation specified, exclusive of that from seeds not expected to have germinated and shows growth at that time, has reached a point of maturity where stems or runners overlap adjacent similar growth in each direction over the entire area.

907-225.03.4--Mulching. Mulching consists of furnishing, transporting, and placing mulch on slopes, shoulders, medians, and other designated areas. Unless otherwise noted in the contract or directed by the Engineer, the Contractor has the option to place mulch by the conventional method or by the hydraulic method.

907-225.03.4.1--Vegetative Mulch.

907-225.03.4.1.1--Equipment. Mulching equipment should be capable of maintaining a constant air stream which will blow or eject controlled quantities of mulch in a uniform pattern.

Mulch stabilizers should consist of dull blades or disks without camber and approximately 20 inches in diameter. The disks should be notched, should be spaced at approximately 8-inch intervals, and should be equipped with scrapers. The stabilizer should weigh approximately 1000 to 1200 pounds, should have a working width of no more than eight feet, and should be equipped with a ballast compartment, so that weight can be increased.

907-225.03.4.1.2--Placement of Vegetative Mulch. Mulching should be placed uniformly on designated areas within 24 hours following seeding unless weather conditions are such that

mulching cannot be performed. Placement should begin on the windward side of areas and from tops of slopes. In its final position, the mulch should be loose enough to allow air to circulate but compact enough to partially shade the ground and reduce erosion.

The baled material should be loosened and broken thoroughly before it is fed into the machine to avoid placement of unbroken clumps.

907-225.03.4.1.3--Anchoring Mulch. The mulch should be anchored by using a mulch stabilizer when not hydraulically applied. If a mulch stabilizer is used, the mulch should be punched into the soil for a minimum depth of one inch.

When mulch stabilizers are used, anchoring the mulch should be performed along the contour of the ground surface.

907-225.03.4.2--Hydromulch. Hydromulch shall be applied in accordance with the installation instructions and recommendations of the manufacturer. Hydromulch shall be uniformly applied at the manufacturer's recommended application rate. In no case shall the application rate be less than one (1) ton per acre.

907-225.03.4.3--Protection and Maintenance. The Contractor should maintain and protect mulched areas until the Release of Maintenance of the project. The Contractor should take every precaution to prevent unnecessary foot and vehicular traffic.

The Contractor should mow, remove or destroy any undesirable growth on all areas mulched as soon as any undesirable growth appears. This will prevent competition with the desired plants and to prevent reseeding of undesirable growth.

907-225.03.5--Hydro Equipment. The equipment for hydraulically applying seed and mulch shall have a built-in agitation system with an operating capacity sufficient to agitate, suspend, and homogeneously mix slurry of the specified amount of fiber, seed, and water. The slurry distribution lines shall be large enough to prevent stoppage. The discharge line shall be equipped with a set of hydraulic spray nozzles, which will provide even distribution of the slurry on the various areas to be seeded.

The mixture shall all be combined into the slurry tank for distribution of all ingredients in one operation as specified herein. The materials shall be combined in a manner recommended by the manufacturer. The slurry mixture shall be so regulated that the amounts and rates of application shall result in a uniform application of all materials at rates not less than the amounts specified. Using the color of the mulch as a guide, the equipment operator shall spray the prepared seedbed with a uniform visible coat. The slurry shall be applied in a sweeping motion, in an arched stream, so as to fall like rain, allowing the mulch to build upon each other until an even coat is achieved.

907-225.04--Method of Measurement. Grassing will be measured by the acre. Acceptance will be based on a satisfactory growth and coverage of seeds planted.

Acceptable quantities of agricultural limestone will be measured by the ton.

Acceptable quantities for mulch will be measured by the ton. For vegetative mulch, the weight for measurement will be the product of the number of bales acceptably placed and the average weight per bale as determined on approved scales provided by the Contractor. Anchoring of vegetative mulch will not be measured for separate payment. The cost of anchoring shall be absorbed in the prices bid for other items of work. For hydromulch, the weight for measurement will be the dry weight of the packaged fibers used in the mixture. No payment will be allowed for water, additives, tackifier, or other liquids used in the mixture.

907-225.05--Basis of Payment. Grassing, measured as prescribed above, will be paid for at the contract unit price per acre, which will be full compensation for all required materials, equipment, labor, testing and all work necessary to establish a satisfactory growth of grass.

Hard rock agricultural limestone will be paid for at the contract unit price per ton. Hard rock agricultural limestone with a relative neutralizing value (RNV), determined in accordance with Subsection 907-715-02.2.1.3, of between 60.0% and 62.9% will be paid for at half (½) the contract unit price per ton. No payment will be made for hard rock agricultural limestone with an RNV less than 60.0%.

Mulch, measured as prescribed above, will be paid for at the contract unit price per ton, which price shall be full compensation for all materials, equipment, labor, and incidentals necessary to complete the work.

Payment will be made under:

907-225-A:	Grassing	- per acre
907-225-B:	Agricultural Limestone	- per ton
907-225-C:	Mulch, Vegetative Mulch	- per ton
907-225-D:	Mulch, Hydromulch	- per ton

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-226-2 **CODE: (SP)**

DATE: 05/13/2011

SUBJECT: Temporary Grassing

Section 907-226, Temporary Grassing, is hereby added to and made part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-226 -- TEMPORARY GRASSING

907-226.0l--Description. This work consists of furnishing, transporting, placing, plant establishment and all work necessary to produce rapid-growing grasses, grains or legumes to provide an initial, temporary cover of grass. This work includes ground preparation, fertilizing, seeding and mulching necessary to establish a satisfactory growth of temporary grass. The Contractor may elect to place temporary grassing using the hydroseeding method as set out in Special Provision No. 907-227, as modified by this special provision.

The Engineer or the plans will designate areas to be temporarily grassed. Any other areas the Contractor desires to grass will be measured for payment only if agreed upon by the Engineer.

907-226.02--Materials.

907-226.02.1--Fertilizers. Fertilizers for purposes of these specifications shall be understood to include standard manufactured products consisting of a combination of ingredients.

All fertilizer shall comply with the State fertilizer laws and Subsection 715.02.

Agricultural limestone will not be requirement for temporary grassing.

907-226.02.2--Seeds. Seeds shall meet the requirements of Subsection 715.03, subject to the provisions of this subsection. The Contractor shall acquire seed from persons registered with the Mississippi Department of Agriculture and Commerce.

Except for the germination requirements, bags of seeds properly labeled or tagged according to law and indicating characteristics meeting or exceeding the requirements of Subsection 715.03 will be acceptable for planting.

The Contractor should provide adequate dry storage facilities for seeds, and shall furnish access to the storage for sampling stored seed.

907-226.02.3--Mulching. The vegetative materials for mulch shall meet the requirements of Subsection 715.05.

When used, bituminous material for mulch shall be Emulsified Asphalt, Grade SS-1, meeting the requirement of Subsection 702.07.

907-226.03--Construction Requirements. The rates of application shall not exceed the rates shown on the temporary vegetation schedule, unless otherwise approved by the Engineer. Any unauthorized overage due to increased application rates will not be measured for payment.

907-226.03.1--Ground Preparation. Any equipment used for ground preparation shall be approved units suitable to perform the work and subject to the requirements of Subsection 108.05.

Light ground preparation should be used on areas where seeding is required.

Light ground preparation consists of scratching the surface with a close-tooth harrow, disk-harrow, or similar equipment. The depth of scratching should be at least three-quarters inch but not deep enough to damage existing grasses of the type being planted.

Aerating, moistening, or otherwise bringing the soil to a suitable condition for ground preparation shall be considered as incidental to the work and will not be measured for separate payment.

907-226.03.2--Fertilizing. The Contractor shall furnish all equipment necessary to properly handle, store, uniformly spread, and incorporate the specified application of fertilizer.

The Contractor shall incorporate fertilizer at a rate of 500 pounds per acre of 13-13-13 commercial fertilizer. The equivalent rate of other type fertilizers will be allowed if the equivalent percentages of Nitrogen, Phosphorus and Potassium are obtained. Fertilization shall be applied uniformly on the areas to be seeded and uniformly incorporated into the soil.

Fertilizer should be applied on individual areas of not more than three acres.

All fertilizer should be incorporated within 24 hours following spreading.

907-226.03.3--Seeding.

907-226.03.3.1--General. Prior to planting the seeds, ground preparation and fertilizing should have been satisfactorily performed.

The required type of seeds, recommended rates of application and recommended planting dates of seeds are shown in the vegetation schedule in the plans.

When a temporary vegetation schedule is not shown in the plans, the following types of seed and application rates should be used.

Spring & Summer
Browntop Millet ---------- 20 pounds per acre - April 1 to August 31

Fall & Winter
Rye Grass---------- 25 pounds per acre - September 1 to March 31
Oats ---------- 90 pounds per acre - September 1 to December 15

It is the Contractor's responsibility to apply an ample amount of each type of seed to produce a satisfactory growth of grass and of the seed type required.

Legume seeds should be treated in accordance with Subsection 715.03.4 immediately before sowing. Seeds should be uniformly sown over the entire area with mechanical seeders. Seeds of different sizes may necessitate separate sowing. When legume seeds become dry, they should be reinoculated.

Seeding should not be done during windy weather or when the ground is frozen, extremely wet, or in an untillable condition.

All seeds should be covered lightly with soil by raking, rolling, or other approved methods, and the area compacted with a cultipacker.

907-226.03.3.2--Plant Establishment. Plant establishment shall consist of preserving, protecting, watering, reseeding, and other work necessary to keep the seeded areas in satisfactory condition.

Areas requiring reseeding should be prepared and seeded and all other work performed as if the reseeding was the initial seeding. The types and application rates of fertilizer will be at the discretion of the Contractor. No additional measurement and payment will be made for re-seeding when payment was made for the initial seeding.

907-226.03.3.3--Growth and Coverage. It shall be the Contractor's responsibility to provide satisfactory growth and coverage of grasses, legumes, or combination produced from the specified seeding.

Growth and coverage on seeded areas will be considered to be in reasonably close conformity with the intent of the contract when the type of vegetation specified, exclusive of that from seeds not expected to have germinated and shows growth at that time, has reached a point of maturity where stems or runners overlap adjacent similar growth in each direction over the entire area.

907-226.03.4--Mulching.

907-226.03.4.1--Equipment. Mulching equipment should be capable of maintaining a constant air stream which will blow or eject controlled quantities of mulch in a uniform pattern. If asphalt is used, a jet or spray nozzle for applying uniform, controlled amounts of asphalt to the vegetative material as it is ejected should be located at or near the discharge spout.

Mulch stabilizers should consist of dull blades or disks without camber and approximately 20 inches in diameter. The disks should be notched, should be spaced at approximately 8-inch intervals, and should be equipped with scrapers. The stabilizer should weigh approximately 1000 to 1200 pounds, should have a working width of no more than eight feet, and should be equipped with a ballast compartment, so that weight can be increased.

907-226.03.4.2--Placement of Vegetative Mulch. If required, mulching should be placed uniformly on designated areas within 24 hours following seeding unless weather conditions are such that mulching cannot be performed. Placement should begin on the windward side of areas and from tops of slopes. In its final position, the mulch should be loose enough to allow air to circulate but compact enough to partially shade the ground and reduce erosion.

The baled material should be loosened and broken thoroughly before it is fed into the machine to avoid placement of unbroken clumps.

907-226.03.4.3--Rates of Application and Anchoring Mulch. The recommended rate of application of vegetative mulch shall be as shown in the vegetation schedule in the plans. The mulch should be anchored by either the use of a mulch stabilizer or by tacking with bituminous material. If a mulch stabilizer is used, the mulch should be punched into the soil for a minimum depth of one inch. If bituminous material is used, the rate of application should be 150 gallons per acre.

Where steep slopes or other conditions are such that anchoring cannot be performed satisfactory with a mulch stabilizer, the Contractor may elect to use bituminous material applied at the time or immediately following the mulch placement.

When mulch stabilizers are used, anchoring the mulch should be performed along the contour of the ground surface.

907-226.03.4.4--Protection and Maintenance. The Contractor should take every precaution to prevent unnecessary foot and vehicular traffic.

907-226.04--Method of Measurement. Temporary grassing will be measured by the acre. Acceptance will be based on a satisfactory growth and coverage of seeds planted.

907-226.05--Basis of Payment. Temporary grassing, measured as prescribed above, will be paid for at the contract unit price per acre, which will be full compensation for all required materials, equipment, labor, testing and all work necessary to establish a satisfactory growth of grass.

Payment will be made under:

907-226-A: Temporary Grassing - per acre

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-227-10 **CODE: (IS)**

DATE: 01/25/2012

SUBJECT: Hydroseeding

Section 907-227, Hydroseeding, is hereby added to and made part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-227--HYDROSEEDING

907-227.0l--Description. This work consists of furnishing, transporting, placing, plant establishment and all work necessary to produce a satisfactory and acceptable growth of grass. The seeds, fertilizers, tackifier, and mulch shall be incorporated using the hydroseeding process. These items shall be combined into a mixture and force-applied to the areas to be grassed.

907-227.02--Materials. The Contractor shall, prior to application, furnish the Engineer with invoices of all materials used in the grassing operation.

907-227.02.1--Fertilizers. Fertilizers for purposes of these specifications shall be understood to include standard manufactured products consisting of single or combination ingredients.

All fertilizers shall comply with the State fertilizer laws and Subsection 715.02.

907-227.02.2--Seeds. Seeds shall meet the requirements of Subsection 715.03, subject to the provisions of this subsection. The Contractor shall acquire seed from persons registered with the Mississippi Department of Agriculture and Commerce.

Except for the germination requirements, bags of seeds properly labeled or tagged according to law and indicating characteristics meeting or exceeding the requirements of Subsection 715.03 will be acceptable for planting.

The Contractor should provide adequate dry storage facilities for seeds, and shall furnish access to the storage for sampling stored seed.

907-227.02.3--Mulching. The rate of application of fiber mulch shall be as recommended by the manufacture of the fibers mulch.

907-227.02.3.1--Wood Fiber Mulch. Wood fiber mulch shall be made from wood chip particles manufactured particularly for discharging uniformly on the ground surface when dispersed by a hydraulic water sprayer. It shall remain in uniform suspension in water under agitation and blend with grass seed and fertilizer to form a homogeneous slurry. The fibers shall intertwine physically to form a strong moisture-holding mat on the ground surface and allow rainfall to percolate the underlying soil. The fiber material shall be heat processed so as to

contain no germination or growth-inhibiting factors. The mulch shall be dyed an appropriate color to facilitate the application of material using non-toxic dye.

907-227.02.3.2--Cellulose Fiber Mulch. Cellulose fiber mulch consist of recycled paper stock products which are shredded into small pieces particular for application by hydraulic seeding equipment. It shall mix readily and uniformly under agitation with water and blend with grass seed and fertilizer to form a homogeneous slurry. When applied to the ground surface, the material shall form a strong moisture-holding mat, allow rainfall to percolate the underlying soil, and remain in place until the grass root system is established. The material shall contain no growth inhibiting characteristic or organisms. The mulch shall be dyed an appropriate color to facilitate the application of material using non-toxic dye.

907-227.02.3.3--Wood/Cellulose Fiber Mulch. Wood/cellulose fiber mix hydroseeding mulch shall consist of a combination of the above wood and cellulose fibers at a ratio recommended by the manufacturer of the products.

907-227.02.3.4--Straw Mulch. Straw mulch shall consist of a natural straw fiber. This material shall be a minimum 90% straw and essentially free from plastic materials or other non-bio degradable substances. The material shall be disperse into a uniform mulch slurry when mixed with water.

907-227.02.3.5--Tacifier. The tackifier will serve the purpose of an adhesive to form a bond between the soil, fiber, and seed particles. It will also allow the soil to retain moisture.

The tackifier shall be of the organic or synthetic variety.

907-227.03--Construction Requirements.

907-227.03.1--Ground Preparation. Light ground preparation consists of plowing, loosening, and pulverizing the soil to form suitable beds for seeding items in reasonably close conformity with the established lines and grades without appreciable humps or depressions. Unless otherwise specified, the pulverized and prepared seedbed should be at least four inches deep and shall be reasonably free of large clods, earth balls, boulders, stumps, roots and other objectionable matter. The Engineer may eliminate or alter the requirements for ground preparation due to site conditions.

907-227.03.2--Fertilizing. The Contractor shall furnish all equipment necessary to properly handle, store, uniformly spread, and incorporate the specified application of fertilizer.

The Contractor shall incorporate bag fertilizer at a rate of 1000 pounds per acre of 13-13-13 commercial fertilizer. The equivalent rate of other type fertilizers will be allowed if the equivalent percentages of Nitrogen, Phosphorus and Potassium are obtained. Any changes in the type or rate of application of the fertilizers shall be approved by the Engineer prior to being incorporated.

Agricultural limestone will be incorporated into the area and paid for in accordance with Section 213 of the Standard Specifications.

907-227.03.3--Seeding.

907-227.03.3.1--General. The Contractor shall use the vegetation schedule in the plan for the correct types of seed and application rates, unless otherwise noted or approved by the Engineer.

When a vegetation schedule for permanent grass is not shown in the plans, the following types of seed and application rates shall be used, unless otherwise approved by the Engineer.

Bermudagrass	20 pounds per acre
Bahiagrass	25 pounds per acre
Tall Fescue	15 pounds per acre
Crimson Clover	20 pounds per acre

At the completion of the project, a satisfactory growth of grass will be required. The Contractor should reference Subsection 210 for satisfactory growth and coverage of dormant seed.

907-227.03.3.2--Plant Establishment. The Contractor should provide plant establishment on all areas seeded until release of maintenance. Plant establishment shall consist of preserving, protecting, watering, reseeding, mowing, and other work necessary to keep the seeded areas in satisfactory condition.

Plant establishment should be provided for a minimum period of 45 calendar days after completion of seeding. In the event satisfactory growth and coverage has not been attained by the end of the 45-day period, plant establishment should be continued until a satisfactory growth and coverage is provided for at least one kind of plant. The Contractor should reference Section 210 of the Standard Specifications for more information.

907-227.03.3.3--Growth and Coverage. It shall be the Contractor's responsibility to provide satisfactory growth and coverage of grasses, legumes, or combination produced from the specified seeding.

Growth and coverage on seeded areas will be considered to be in reasonably close conformity with the intent of the contract when the type of vegetation specified, exclusive of that from seeds not expected to have germinated and shows growth at that time, has reached a point of maturity where stems or runners overlap adjacent similar growth in each direction over the entire area.

Final acceptance of the project will not be made until a satisfactory growth of grass has been acknowledged by the Engineer.

907-227.03.4--Mulching. At the Contractor's option, mulch may be wood fiber, cellulose fiber, a mixture of wood and cellulose fibers, or straw fiber. The mulch shall be applied at the rate recommended by the manufacturer in a mixture of water, seed and fertilizer. Any changes in the rate of application of the mulch shall be approved by the Engineer prior to its use.

907-227.03.5--Equipment. Hydraulic equipment shall be used for the application of fertilizers, seeds and slurry of the prepared mulch. This equipment shall have a built-in agitation system with an operating capacity sufficient to agitate, suspend, and homogeneously mix slurry of the specified amount of fiber, fertilizer, seed and water. The slurry distribution lines shall be large enough to prevent stoppage. The discharge line shall be equipped with a set of hydraulic spray nozzles, which will provide even distribution of the slurry on the various areas to be seeded.

The seed, fertilizer, mulch and water shall all be combined into the slurry tank for distribution of all ingredients in one operation as specified herein. The materials shall be combined in a manner recommended by the manufacturer. The slurry mixture shall be so regulated that the amounts and rates of application shall result in a uniform application of all materials at rates not less than the amounts specified. Using the color of the mulch as a guide, the equipment operator shall spray the prepared seedbed with a uniform visible coat. The slurry shall be applied in a sweeping motion, in an arched stream, so as to fall like rain, allowing the mulch to build upon each other until an even coat is achieved.

907-227.03.6--Protection and Maintenance. The Contractor should maintain and protect seeded areas until release of maintenance of the project. The Contractor should take every precaution to prevent unnecessary foot and vehicular traffic.

The Contractor should mow or otherwise remove or destroy any undesirable growth on all areas mulched to prevent competition with the desired plants and to prevent reseeding of undesirable growth.

907-227.04--Method of Measurement. Hydroseeding, complete and accepted, will be measured by the acre. No separate payment will be made for ground preparation, seeds, fertilizers, or mulch. Acceptance will be based on a satisfactory growth and coverage of seeds planted.

Agricultural limestone shall be measured and paid for under Section 213 of the Standard Specifications.

907-227.05--Basis of Payment. Hydroseeding, measured as prescribed above, will be paid for at the contract unit price per acre, which will be full compensation for all required materials, equipment, labor, testing and all work necessary to establish a satisfactory growth of grass.

Payment will be made under:

907-227-A: Hydroseeding - per acre

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-234-5 **CODE: (SP)**

DATE: **09/23/2010**

SUBJECT: **Siltation Barriers**

Section 234, Silt Fence, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-234.01--Description. Delete the first paragraph of Subsection 234.01 on page 177 and substitute the following:

This work consists of furnishing, constructing and maintaining a water permeable filter type fence, inlet siltation guard or turbidity barrier for the purpose of removing suspended soil particles from the water passing through it in accordance with the requirements shown on the plans, directed by the Engineer and these specifications. Fence, inlet siltation guards and turbidity barriers measured and paid as temporary shall be removed when no longer needed or permanent devices are installed.

Delete the first sentence of the second paragraph of Subsection 234.01 on page 177 and substitute the following:

It is understood that measurement and payment for silt fence, inlet siltation guards, and turbidity barriers will be made when a pay item is included in the proposal.

907-234.02--Materials. After the first paragraph of Subsection 234.02 on page 177, add the following:

Inlet siltation guards shall be listed on the Department's "Approved Sources of Materials".

Turbidity barriers shall be one of the following, or an approved equal.

1. SiltMax Turbidity Barrier by Dawg, Inc., 1-800-935-3294, www.dawginc.com
2. Turbidity Barrier by IWT Cargo-Guard, Inc., 1-609-971-8810, www.iwtcargoguard.com
3. Turbidity Curtain by Abasco, LLC, 1-281-214-0300, www.abasco.net

Chain link fence and hardware for super silt fence shall meet the requirements of Section 607, as applicable. Geotextile for super silt fence shall meet the requirements of Subsection 714.13 for a Type II Woven fabric.

907-234.03--Construction Requirements. After the last paragraph of Subsection 234.03.1 on page 178, add the following:

Super Silt Fence. Super silt fence shall be constructed in accordance with the plans and these specifications.

All posts shall be installed/driven so that at least 34 inches of the post will protrude above the ground. The chain link wire and geotextile shall be stretched taut and securely fastened to the posts as shown on the plans. The bottom edge of the fence and geotextile shall be buried at least eight inches below ground surface to prevent undermining. When splicing of the geotextile is necessary, the fabric shall be overlapped approximately 18 inches.

907-234.03.1.1--Placement of Inlet Siltation Guards and Turbidity Barriers. The inlet siltation guards and turbidity barriers shall be constructed at the locations shown on the erosion control plans. Inlet siltation guards and turbidity barriers shall be installed in accordance with the erosion control drawings in the plans. A copy of the manufacturer's instructions for placement of inlet siltation guards and turbidity barriers shall be provided to the Engineer prior to construction.

907-234.03.2--Maintenance and Removal. At the end of the first paragraph of Subsection 234.03.2 on page 178, add the following:

The Contractor shall maintain the inlet siltation guards. The geotextile shall be removed and replaced when deteriorated to such extent that it reduces the effectiveness of the guard. Replacement geotextile shall be the same type and manufacture as the original. Excessive accumulations against the guard shall be removed and disposed of at a location approved by the Engineer.

The Contractor shall maintain the turbidity barriers. Excessive accumulations against the turbidity barrier shall be removed and disposed of at a location approved by the Engineer.

Delete the second paragraph of Subsection 234.03.2 on page 178 and substitute the following:

Unless otherwise directed, all temporary silt fences, inlet guards and turbidity barriers shall be removed. Upon removal, the Contractor shall remove and dispose of any excess silt accumulations, shape the area to the line, grade, and cross section shown on the plans and vegetate all bare areas in accordance with the contract requirements. The temporary fence, inlet guard materials and turbidity barriers will remain the property of the Contractor and may be used at other locations provided the materials are acceptable to the Engineer.

After Subsection 234.03.2 on page 178, insert the following:

907-234.03.3--Resetting Inlet Siltation Guards and Turbidity Barriers. When inlet siltation guards and turbidity barriers are no longer needed at one location, they may be removed and reset at other needed locations. The Engineer may allow the resetting of siltation guards and turbidity barriers upon an inspection and determination that the siltation guards (frame and geotextile) and turbidity barriers are adequate for their intended purpose. When they have to be stored until needed at another location, payment for resetting will not be made until they are reset at their needed location.

907-234.04--Method of Measurement. Delete the sentence in Subsection 234.04 on page 178, add the following:

Silt fence and super silt fence will be measured by the linear foot.

Inlet siltation guard and resetting siltation guards will be measured per each. Turbidity barrier will be measured per linear foot.

907-234.05--Basis of Payment. Delete the sentence in Subsection 234.05 on page 178, add the following:

Silt fence and super silt fence, measured as prescribed above, will be paid for at the contract unit price per linear foot which shall be full compensation for completing the work.

Inlet siltation guard, resetting inlet siltation guards, and turbidity barrier, measured as prescribed above, will be paid for at the contract unit price per each or linear foot, which shall be full compensation for furnishing, constructing, and maintaining the work and for the removal and disposal of all items comprising the devices.

After the last pay item listed on page 178, add the following:

907-234-C:	Super Silt Fence	- per linear foot
907-234-D:	Inlet Siltation Guard	- per each
907-234-E:	Reset Inlet Siltation Guard	- per each
907-234-F:	Turbidity Barrier	- per linear foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-237-4 **CODE: (SP)**

DATE: 03/13/2012

SUBJECT: Wattles

Section 907-237, Wattles, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-237 - WATTLES

907-237.01--Description. This work consists of furnishing, constructing and maintaining wattles for the retention of soil around inlets, swale areas, small ditches, sediment basins and other areas as necessary. Also, the work includes removing and disposing of the wattles and silt accumulations.

Measurement and payment for wattles will be made only when a pay item is included in the bid schedule of the proposal. The quantity is estimated for bidding purposes only and will be dependent upon actual conditions which occur during construction of the project.

907-237.02--Materials. Wattles used around inlets shall have a diameter of twelve inches (12") and a length adequate to meet field conditions. Wattles used at other locations shall have a diameter of twenty inches (20") and a length adequate to meet field conditions. The minimum diameter for the above wattle sizes shall be one inch (1") less than the specified diameter.

The stakes used in securing the wattles in place shall be placed approximately three feet (3') apart throughout the length of the wattle. Stakes shall be wooden and of adequate size to stabilize the wattles to the satisfaction of the Engineer.

In addition to the requirements of this specifications, wattles shall be listed on the Department's "Approved Sources of Materials".

907-237.03--Construction Requirements.

907-237.03.1--General. The wattles shall be constructed at the locations and according to the requirements shown on the erosion control plan.

907-237.03.2--Maintenance and Removal. The Contractor shall maintain the wattles and remove and dispose of silt accumulations.

When the wattles are no longer needed, they shall be removed and the Contractor shall dispose of silt accumulations and treat the disturbed areas in accordance with the contract requirements.

907-237.04--Method of Measurement. Wattles of the size specified will be measured per linear foot.

907-237.05--Basis of Payment. Wattles, measured as prescribed above, will be paid for at the contract unit price per linear foot, which price shall be full compensation for installation, maintaining and removal of the wattles, the removal and disposal of silt accumulations and any required restoration of the disturbed areas.

Payment will be made under:

907-237-A: Wattles, Size - per linear foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-258-1 **CODE: (SP)**

DATE: JULY 9, 2014

SUBJECT: BOLLARD

PROJECT: HPP-0210-00(015)LPA/105214-801000

Section 907-258-1 "Bollard" is added to and made a part of the 2004 Edition of the Standard Specifications for Road and Bridge Construction.

This Work shall consist of installation of a permanent steel bollard with a red PVC post sleeve placed at a location(s) determined by the construction plans. The bollard shall be installed in a concrete footing and capable of stopping or slowing vehicular traffic. The PVC post sleeve shall fit tightly over the steel bollard and contain two (2) permanently attached or embedded one (1) inch wide yellow reflective stripes spaced no closer than two (2) inches. Installation shall include a concrete foundation as detailed in the construction plans.

The width of the bollard shall be six (6) inches (nominal) and shall be filled with 2500 PSI concrete. The height of the bollard shall be approximately forty two (42) inches tall measured from the finished surface to the top of the steel bollard. The PVC sleeve shall be permitted to extend approximately four (4) inches beyond the steel bollard height, but no more than six (6) inches. The penetration below the surface shall be a minimum of twenty four (24) inches. The steel bollard shall be schedule 40 (minimum) and constructed of A36 steel or equal materials. The shop coat finish of the bollard shall be a red oxide rust inhibitor.

MEASUREMENT AND PAYMENT

1.02 METHOD OF MEASUREMENT

A. The method of measurement and payment shall conform to the applicable provisions of Section 109 of the Standard Specifications for Road and Bridge Construction 2004 Edition.

1.02 BASIS OF PAYMENT

A. This Work shall be paid for at the contract unit price per each. The measurement of the contract unit price shall be full compensation for furnishing and placing all materials; for all painting; and for all labor, equip equipment, tools and incidentals

necessary to complete the work.

B. Payment will be made under:

907-258-1	Bollard	- Each

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-288-1 **CODE: (SP)**

DATE: JULY 9, 2014

SUBJECT: SITE GRADING

PROJECT: HPP-0210-00(015)LPA/105214-801000

Section 907-288-A001 "Site Grading" is added to and made a part of the 2004 Edition of the Standard Specifications for Road and Bridge Construction.

This Work shall consist of grading in certain areas as noted on the construction plans. Site grading will be limited to small areas to improve or enhance the drainage abilities of a certain location. Small amounts of cut and fill will be required to achieve the intended results of proper drainage.

MEASUREMENT AND PAYMENT

1.02 METHOD OF MEASUREMENT

A. The method of measurement and payment shall conform to the applicable provisions of Section 109 of the Standard Specifications for Road and Bridge Construction 2004 Edition.

1.02 BASIS OF PAYMENT

A. This Work shall be paid for at the contract unit price per square yard. The measurement of the contract unit price shall be full compensation for furnishing and placing all materials; and for all labor, equip equipment, tools and incidentals necessary to complete the work.

B. Payment will be made under:

907-288-A001	Site Grading	- S.Y.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-304-13 **CODE: (SP)**

DATE: 06/06/2012

SUBJECT: Granular Courses

Section 907-304, Granular Courses, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-304.02--Materials. After the first paragraph of Subsection 304.02.1 on page 183, add the following.

Crushed concrete meeting the requirements of Subsection 907-703.04.3 may be used in lieu of granular courses or crushed stone courses specified in the contract. This applies to base courses, shoulders, or other required construction on a prepared foundation.

907-304.03--Construction Requirements.

907-304.03.5--Shaping, Compacting and Finishing. Delete the sixth paragraph of Subsection 304.03.5 on page 185.

Delete the first table in Subsection 304.03.5 on page 186 and substitute the following.

Granular Material Class	Lot Average	Individual Test
7,8,9 or 10	97.0	93.0
5 or 6	99.0	95.0
3 or 4	100.0	96.0
1 or 2	102.0	98.0
Crushed Courses*	99.0	95.0

* When placed on filter fabric on untreated subgrade, the individual tests and the average of the five (5) tests shall equal or exceed the following values.

Lot Average	Individual Test
96.0	92.0

907-304.05--Basis of Payment. Add the "907" prefix to the pay items listed on page 187.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-401-2

DATE: 12/17/2013

SUBJECT: Hot Mix Asphalt (HMA)

Before the first sentence on page 1, add the following.

907-401.02.3.1–General. Delete the second paragraph of Subsection 401.02.3.1 on page 239, and substitute the following.

The total amount of crushed limestone aggregate for mixtures, excluding shoulders, when used in the top lift, shall not exceed 50 percent of the total combined aggregate by weight.

Delete the table in Subsection 401.02.3.1 on page 240 and substitute the following.

Asphalt Mixture	Maximum Percentage of RAP by total weight of mix
4.75 mm	0
9.5 mm	20*
12.5 mm Surface Lift	20*
12.5 mm Underlying Lift	30
19 mm	30
25 mm	30

* At a minimum, RAP shall be processed and/or screened such that the RAP material size does not exceed the nominal maximum sieve size for the mixture specified.

907-401.02.4--Substitution of Mixture. Delete the table in Subsection 401.02.4 on page 242, and substitute the following.

Mixture	Single Lift Laying Thickness Inches	
	Minimum	Maximum
25 mm	3	4
19 mm	2¼	3½
12.5 mm	1½	2½
9.5 mm	1	1½
4.75 mm	½	¾

After Subsection 907-401-02.6.2 on page 2, add the following.

907-401.02.6.4.1--Roadway Density. Delete subparagraphs 1., 2., & 3. on page 251 and substitute the following.

1. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

2. For all single lift overlays, with or without leveling and/or milling, the required lot density shall be 92.0 percent of maximum density.

3. For all multiple lift overlays of two (2) or more lifts excluding leveling lifts, the required lot density of the bottom lift shall be 92.0 percent of maximum density. The required lot density for all subsequent lifts shall be 93.0 percent of maximum density.

4. For all pavements on new construction, the required lot density for all lifts shall be 93.0 percent of maximum density.

Delete Subsections 401.02.6.5 and 401.02.6.6 on pages 253 thru 257 and substitute the following.

907-401.02.6.5--Blank.

907-401.02.6.6--Blank.

907-401.02.6.7--Surface Correction. Delete the paragraph in Subsection 401.02.6.7 on page 257, and substitute the following.

Corrective work to sections exceeding short continuous interval thresholds reported by ProVal, as described in Subsection 907-403.03.2.1, shall consist of diamond grinding in accordance with these specifications or methods approved by the Engineer. All surface areas corrected by grinding shall be sealed with a sealant approved by the Engineer.

907-401.02.6.8--Acceptance Procedure for Pavement Smoothness Using Mean Roughness Index (MRI). When compaction is completed, the lift shall have a uniform surface and be in reasonably close conformity with the line, grade and cross section shown on the plans.

The smoothness of the surface lift will be determined by using an Inertial Profiling System (IPS) to measure and record roughness data in each designated location. Roughness data for each longitudinal profile will be reported as a Mean Roughness Index (MRI). MRI is calculated by averaging the International Roughness Index (IRI) values from the two individual wheelpath profiles. The surface shall be tested and corrected to a smoothness index as described herein with the exception of those locations or specific projects that are excluded from smoothness testing with an IPS.

The smoothness of the surface lift will be determined for traffic lanes, auxiliary lanes, climbing lane and two-way turn lanes. Areas excluded from a smoothness test with the IPS are acceleration and deceleration lanes, tapered sections, transition sections for width, shoulders, crossovers, ramps, side street returns, etc. The roadway pavement on bridge replacement projects having 1,000 feet or less of pavement on each side of the structure will be excluded from a smoothness test. Pavement on horizontal curves having a radius of less than 1,000 feet at the centerline and pavement within the super elevation transition of such curves are excluded from smoothness testing. Smoothness testing shall terminate 264 feet from each transverse joint that

separates the pavement from a bridge deck, bridge approach slab or existing pavement not constructed under the contract. This shall apply to any other exceptions including, but not limited to, railroad crossings and manholes. Segments containing a considerable amount of encroachments such as intersections, manholes, curb and gutter sections, etc. may be excluded at the Project Engineer's discretion

Initial smoothness measurements shall take place no more than 72 hours following placement of surface and must be performed at the posted speed limit or 50 miles per hour (±5 mile per hour), whichever is lower. This speed requirement will be waived for all lightweight profilers. Measurements will be made in both wheel paths of exterior and interior lanes. The wheel paths shall be designated as being located three feet (3') and nine feet (9') from centerline or longitudinal joint, respectively. Beginning and ending latitude and longitude coordinates shall be required on each smoothness surface test. Testing will also be required on sections that have been surface corrected. No smoothness testing shall be performed when there is moisture of any kind on the pavement surface. Any additional testing shall meet the requirements of Subsection 907-403.03.2.

The surface lift will be accepted on a continuous interval basis for pavement smoothness. Continuous reporting is based upon all MRI values for a specified running interval. These values are averaged and presented at the midpoint of the specified running interval. The last 15 feet of a day's lift may not be obtainable until the lift is continued and for this reason may be included in the subsequent section.

Areas of localized roughness exceeding the continuous 25-foot interval threshold described in Subsection 907-403.03.2.1 shall be corrected regardless of the 528-foot interval MRI value of the section. Surface correction by grinding shall be performed in accordance with Subsection 401.02.6.7. The Contractor shall also make other necessary surface corrections to ensure that the final mean roughness index of the section meets the requirements of Subsection 907-403.03.2.

Continuous sections exceeding the accepted long interval MRI value shall be corrected as specified in Subsection 403.03.4. All such corrections shall be performed at no additional costs to the State. Scheduling and traffic control will be the responsibility of the Contractor with approval of the Engineer. All tests and corrections shall be in accordance with AASHTO R 54-10, Accepting Pavement Ride Quality When Measured Using Inertial Profiling Systems.

907-401.02.6.9--High Speed Inertial Profiling System.

907-401.02.6.9.1--General. The IPS, furnished and operated by the Contractor under the supervision of the Engineer or the Engineer's representative, shall be a dual laser high speed or lightweight vehicle meeting the requirements of AASHTO M 328-10, Standard Specification for Inertial Profiler.

907-401.02.6.9.2--Mechanical Requirements. The IPS should function independent of vehicle suspension and speed with an operational range of 15-70 mph (for high speed profilers only) and must collect data at a sample interval of no more than three inches (3"). All IPSs, operators, and combinations thereof shall be verified in accordance with AASHTO R 56-10, Standard Practice for Certification of Inertial Profiler Systems and AASHTO R 57-10, Operating Inertial Profiler Systems.

907-401.02.6.9.3--Computer Requirements. The computer measurement program must be menu driven, Windows compatible, and able to produce unfiltered profiler runs in any one of the following file formats: University of Michigan's Transportation Research Institute's (UMTRI) Engineering Research Division (*.erd) file, ProVAL's Pavement Profile (*.ppf) file, or Ames Engineering's (*.adf) file format. The computer shall have the ability to display and print data on site for verification and shall have the ability to save and transfer data via Universal Serial Bus (USB) flash drive, which shall be provided by the Contractor.

All profiler runs must be named in the following format for acceptance by the Project Engineer:

- County_Route_Direction_Lane_BeginStation_EndStation

In addition to manufacturers software; the latest version of FHWA's ProVAL software shall be installed on the IPS computer. ProVAL software is available for free download at http://www.roadprofile.com.

907-401.03.1.2--Tack Coat. Delete the three sentences of Subsection 401.03.1.2 on page 259, and substitute the following.

Tack coat shall be applied to previously placed HMA and between lifts, unless otherwise directed by the Engineer. Tack coat shall be applied with a distributor spray bar. A hand wand will only be allowed for applying tack coat on ramp pads, irregular shoulder areas, median crossovers, turnouts, or other irregular areas. Bituminous materials and application rates for tack coat shall be as specified in Table 410-A on page 293. Construction requirements shall be in accordance with Subsection 407.03 of the Standard Specifications.

907-401.03.1.4--Density. Delete the first sentence of the first paragraph of Subsection 401.03.1.4 on page 259 and substitute the following.

The lot density for all dense graded pavement lifts, except as provided below for preleveling, wedging [less than fifty percent (50%) of width greater than minimum lift thickness], ramp pads, irregular shoulder areas, median crossovers, turnouts, or other areas where the established rolling pattern cannot be performed, shall not be less than the specified percent (92.0% or 93.0%) of the maximum density based on AASHTO Designation: T 209 for the day's production. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

907-401.03.9--Material Transfer Equipment. Delete the paragraph in Subsection 401.03.9 on page 264 and substitute the following.

Excluding the areas mentioned below, the material transferred from the hauling unit when placing the top lift, or the top two (2) lifts of a multi-lift HMA pavement with density requirements, shall be remixed prior to being placed in the paver hopper or insert by using an approved Materials Transfer Device. Information on approved devices can be obtained from the State Construction Engineer. Areas excluded from this requirement include: leveling courses, temporary work of short duration, detours, bridge replacement projects having less than 1,000 feet of pavement on each side of the structure, acceleration and deceleration lanes less than 1,000 feet in length, tapered sections, transition sections for width, shoulders less than 10 feet in width, crossovers, ramps, side street returns and other areas designated by the Engineer.

After Subsection 401.03.13 on page 266, add the following.

907-401.03.14--Shoulder Wedge. The Contractor shall attach a device to the screed of the paver that confines the material at the end gate and extrudes the asphalt material in such a way that results in a compacted wedge shape pavement edge of approximately 30 degrees, but not steeper than 35 degrees. The device shall maintain contact between itself and the road shoulder surface and allow for automatic transition to cross roads, driveways, and obstructions. The device shall be used to constrain the asphalt head reducing the area by 10% to 15% increasing the density of the extruded profile. Conventional single plate strike off shall not be used.

The device shall be TransTech Shoulder Wedge Maker, the Advant-Edge, or a similar approved equal device that produces the same wedge consolidation results. Contact information for these wedge shape compaction devices is the following:

1. TransTech Systems, Inc.
   1594 State Street
   Schenectady, NY 12304
   800-724-6306
   www.transtechsys.com

2. Advant-Edge Paving Equipment, LLC
   P.O. Box 9163
   Niskayuna, NY 12309-0163
   518-280-6090
   Contact; Gary D. Antonelli
   Cell: 518-368-5699
   email: garya@nycap.rr.com
   Website: www.advantedgepaving.com

Before using a similar device, the Contractor shall provide proof that the device has been used on previous projects with acceptable results, or construct a test section prior to the beginning of work and demonstrate wedge compaction to the satisfaction of the Engineer. Short sections of handwork will be allowed when necessary for transitions and turnouts, or otherwise authorized by the Engineer.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-401-2 **CODE: (IS)**

DATE: 11/04/2005

SUBJECT: Hot Mix Asphalt (HMA)

Section 401, Hot Mix Asphalt (HMA) - General, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete in toto Subsection 401.02.6.2 on pages 248 and 249, and substitute:

907-401.02.6.2--Assurance Program for Mixture Quality. The Engineer will conduct a quality assurance program. The quality assurance program will be accomplished as follows:

1) Conducting verification tests.
2) Validate Contractor test results.
3) Periodically observing Contractor quality control sampling and testing.
4) Monitoring required quality control charts and test results.
5) Sampling and testing materials at any time and at any point in the production or laydown process.

The rounding of all test results will be in accordance with Subsection 700.04.

The Engineer will conduct verification tests on samples taken by the Contractor under the direct supervision of the Engineer at a time specified by the Engineer. The frequency will be equal to or greater than ten percent (10%) of the tests required for Contractor quality control and the data will be provided to the Contractor within two asphalt mixture production days after the sample has been obtained by the Engineer. At least one sample shall be tested from the first two days of production. All testing and data analysis shall be performed by a Certified Asphalt Technician-I (CAT-I) or by an assistant under the direct supervision of the CAT-I. Certification shall be in accordance with the *MDOT HMA Technician Certification Program* chapter in the Materials Division Inspection, Testing, and Certification Manual. The Department shall post a chart giving the names and telephone numbers for the personnel responsible for the assurance program.

The Engineer shall be allowed to inspect Contractor testing equipment and equipment calibration records to confirm both calibration and condition. The Contractor shall calibrate and correlate all testing equipment in accordance with the latest versions of the Department's Test Methods and AASHTO Designation: R 18.

Random differences between the Engineer's verification tests and the current running average of four quality control tests at the time of obtaining the verification sample will be considered acceptable if within the following limits:

Item	Allowable Differences
Sieve - % Passing	
3/8-inch and above	6.0
No. 4	5.0
No. 8	4.0
No. 16, for 4.75 mm mixtures ONLY	3.5
No. 30	3.5
No. 200	2.0
AC Content	0.4
Specimen Bulk SG, Gmb @ N_{Design}	0.030
Maximum SG, Gmm	0.020

If four quality control tests have not been tested prior to the time of the first verification test, the verification test results will be compared to the average of the preceding quality control tests. If the verification test is the first material tested on the project or if a significant process adjustment was made just prior to the verification test, the verification test results will be compared to the average of four subsequent quality control test results. For all other cases after a significant process adjustment, the verification test results will be compared to the average of the preceding quality control tests (taken after the adjustment) as in the case of a new project start-up when four quality control tests are not available.

In the event that; 1) the comparison of the Contractor's running average quality control data and Engineer's quality assurance verification test results are outside the allowable differences in the above table, or 2) if a bias exists between the results, such that one of the results is predominately higher or lower than the other, and the Engineer's results fail to meet the JMF control limits, the Engineer will investigate the reason immediately. As soon as the need for an investigation becomes known, the Engineer will increase the quality assurance sampling rate to the same frequency required for Contractor testing. The additional samples obtained by the Engineer may be used as part of the investigation process or for routine quality assurance verification tests. The Engineer's investigation may include testing of the remaining quality control split samples, review and observation of the Contractor's testing procedures and equipment, and a comparison of split sample test results by the Contractor quality control laboratory, Department quality assurance laboratory and the Materials Division laboratory. The procedures outlined in the latest edition of MDOT's Field Manual for HMA may be used as a guide for the investigation. In the event that the Contractor's results are determined to be incorrect, the Engineer's results will be used for the quality control data and the appropriate payment for the mixture will be based on the procedures specified in Subsection 401.02.5.8(j).

The Engineer will periodically witness the sampling and testing being performed by the Contractor. The Engineer, both verbally and in writing, will promptly notify the Contractor of any observed deficiencies. When differences exist between the Contractor and the Engineer which cannot be resolved, a decision will be made by the State Materials Engineer, acting as the referee. The Contractor will be promptly notified in writing of the decision. If the deficiencies are not corrected, the Engineer will stop production until corrective action is taken.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-401-6 **CODE: (SP)**

DATE: 08/21/2012

SUBJECT: Warm Mix Asphalt (WMA)

Section 401, Hot Mix Asphalt (HMA) - General, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as amended by this special provision is applicable to Warm Mix Asphalt Only.

907-401.01--Description.
These specifications include general requirements that are applicable to Warm Mix Asphalt (WMA).

This work consists of the construction of one or more lifts of WMA in accordance with Section 401 for Hot Mix Asphalt, with the exceptions set forth in this special provision. The WMA shall meet the specific requirements for the mixture to be produced and placed in reasonably close conformity with the lines, grades, thicknesses and typical sections shown on the plans or established by the Engineer.

907-401.02--Materials.

907-401.02.2--WMA Products and Processes. The Department will maintain a list of qualified WMA products and processes. No product or process shall be used unless it appears on this list.

The Contractor may propose other products or processes for approval by the Product Evaluation Committee. Documentation shall be provided to demonstrate laboratory performance, field performance, and construction experience.

907-401.03--Construction Requirements.

907-401.03.1.1--Weather Limitations. The air and pavement temperature at the time of placement shall equal or exceed 40°F, regardless of compacted lift thickness.

907-401.03.8--Preparation of Mixture. Warm mix asphalt is defined as a plant produced asphalt mixture that can be produced and constructed at lower temperatures than typical hot mix asphalt. Typical temperature ranges of non-polymer modified, WMA produced by foaming the asphalt binder at the plant are typically 270°F to 295°F at the point of discharge of the plant. Typical temperature ranges of polymer modified, WMA produced by foaming the asphalt binder at the plant are typically 280°F to 305°F at the point of discharge of the plant. WMA produced by addition of a terminal blended additive may allow the producer to reduce the temperatures below 270°F as long as all mixture quality and field density requirements are met. Production temperatures at the plant may need to be increased or decreased due to factors such as material

characteristics, environmental conditions, and haul time to achieve mixture temperatures at the time of compaction in which uniform mat density can be achieved.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-403-4

DATE: **03/04/2014**

SUBJECT: **Hot Mix Asphalt (HMA)**

Before Subsection 907-403.05.2 on page 1, add the following:

907-403.03--Construction Requirements.

907-403.03.2--Smoothness Tolerances. Delete the table, footnotes, and first six paragraphs of Subsection 403.03.2 on page 266 & 267, and substitute the following.

	Lower* & Leveling Lifts	Lower* Intermediate Lift	Top Intermediate Lift	Surface Lift
Maximum deviation from grade and cross section at any point	1/2"	3/8"	1/4"	1/4"
Maximum deviation from A 10 foot straight edge.....	3/8"	1/4"	1/8"	1/8"

Note: Where more than four (4) lifts of HMA are required, all lifts, excluding the top three (3) lifts, shall meet the requirements of the lower lift.

* When tested longitudinally from a stringline located equidistant above points 50 feet apart, the distance from the stringline to the surface at any two points located 12 1/2 feet apart shall not vary one from the other more than the maximum deviation allowed above from a 10-foot straight edge.

Delete the last paragraph of Subsection 403.03.2 at the bottom of page 268, the table at the top of page 269, and the first, second and third full paragraphs on page 269, and substitute the following.

Sections(s) or portions thereof representing areas excluded from a smoothness test with the High Speed Inertial Profiling System (IPS) shall also be excluded from consideration for a contract price adjustment for rideability.

Any contract price adjustment for rideability will be applied on a continuous basis to the pay tonnage, determined in accordance with Subsections 907-401.02.6.8 and 403.04, for the section(s) or portions thereof for which an adjustment is warranted.

Contract price adjustments for rideability shall only be applicable to the surface lift and furthermore to only the long continuous section(s) or portions of the long continuous section(s) of the surface lift that require smoothness be determined by using a profiling device.

907-403.03.2.1--Smoothness Tolerances for Mean Roughness Index (MRI). Smoothness tolerances shall be applied to asphalt pavements based on the following pavement categories.

Category A applies to the following pavement constructions:

- New construction
- Construction with three (3) or more lifts
- Mill and two (2) or more lifts

Category B applies to the following pavement constructions:

- Mill and one (1) lift
- Two (2) lift overlays without milling

Category C applies to the following pavement constructions:

- Single lift overlay without milling

NOTE: Spot Leveling does not count as a lift. Full width / continuous leveling courses will be considered a lift. Leveling lifts that do not have a minimum thickness of ¾" across the entire lane width will not be considered a lift.

For all projects, the surface lift smoothness data shall be reported by two MRI methods:

1. A continuous 528-foot long interval MRI report
2. A continuous 25-foot short interval MRI report

Areas of the surface lift with localized roughness greater than 160 inches per mile as determined by the continuous short interval report will be identified for correction by the Project Engineer.

Category A projects shall have a long interval surface MRI of not more than 60 inches per mile.

Category B projects shall have a long interval surface MRI of not more than 70 inches per mile.

Category C projects shall have the existing surface profiled at no additional cost to the State. The finished surface lift shall meet the following requirements:

A 50% improvement in MRI from the existing surface
or
80 inches per mile long interval surface MRI value whichever value is higher.

In the case that 50% of the existing surface MRI is greater than 80 inches per mile, the short continuous threshold shall be increased from 160 inches per mile by the difference between 50% of the existing surface MRI and 80 inches per mile.

When a project has multiple lifts, the lift underlying the surface lift shall have a MRI of no more than 10 inches/mile more than the surface lift threshold for both long and short continuous intervals. Category B projects containing multiple lifts must meet the Category C percent improvement requirement for the underlying lift. Corrective action must be taken on those segments that do not meet this requirement. No unit price adjustment will be applied on any underlying lift.

For Category A and B projects, a unit price increase will be added when the MRI for the final surface lift, prior to any required localized roughness (short interval) corrective action, is less than or equal to fifty inches per mile (50.0 inches / mile) on the long interval report. These Projects will be considered for incentive pay based on the following guidelines for the long interval surface lift MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of Asphalt unit bid price
Less than 35.0	108
35.1 to 40.0	106
40.1 to 45.0	104
45.1 to 50.0	102
50.1 to Required Surface MRI	100

For Category C projects, a unit price increase will be added when the MRI for the final surface lift, prior to any required localized roughness (short interval) corrective action, is less than or equal to fifty inches per mile (50.0 inches / mile) on the long interval report. These Projects will be considered for incentive pay based on the following guidelines for the long interval surface lift MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of HMA unit bid price
Less than or equal to 50.0	103
50.1 to Required Surface MRI	100

No incentive will be allowed if the MRI value from the newly paved surface is greater than the existing surface.

In addition to the above pay incentive factors, a project may be subject to a disincentive when the Long Continuous Interval MRI for the surface exceeds the allowable tolerance. This applies to all project categories and will correlate to the maximum allowed Long Continuous Interval MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of HMA unit bid price
Above 20.0 Over	Remove And Replace
15.1 to 20.0 Over	80
10.1 to 15.0 Over	85
5.1 to 10.0 Over	90
0.1 to 5.0 Over	95
Required Surface MRI	100

Segment(s) or portions thereof representing areas excluded from a smoothness test shall also be excluded from consideration for a contract price adjustment for rideability. Corrective action must be taken on those sections that exceed the 'Remove and Replace' threshold on the Long Continuous Interval as directed by the Project Engineer. Sections that fall into this requirement may also need corrective action on both the preceding and following 264-foot sections as to conform to a complete 528-foot Long Continuous Interval. The minimum remove and replace length will be 528 feet (0.1 mile). Additional smoothness testing shall be required on sections following replacement and will be required to meet *at least* the maximum surface MRI short of 'Remove and Replace'.

The above pay factors will be applied in conjunction with the Long Continuous Histogram Chart from ProVAL's Smoothness Assurance Module. The price adjustments for rideability will be tabulated in MDOT's Pay Incentive spreadsheet on the basis of a theoretical tonnage of 110 lbs/yd^2*inch thickness (pounds per square yard * inch thickness) and 12-foot travel lanes, determined in accordance with Subsections 401.02.6.5 and 403.04, for the segment(s) or portions thereof for which an adjustment is warranted.

Delete Subsection 403.03.5.5 on page 273 and substitute the following.

907-403.03.5.5--Preliminary Leveling. All irregularities of the existing pavement, such as ruts, cross-slope deficiencies, etc., shall be corrected by spot leveling, skin patching, feather edging or a wedge lift in advance of placing the first overall lift.

907-403.04--Method of Measurement. After the first paragraph of Subsection 403.04 on page 274, add the following.

The pay quantities for each individual job mix formula (JMF) will be calculated using the approved JMF maximum specific gravity (Gmm) and the following formulas.

When the composite mixture has a maximum specific gravity of 2.540 or less,

$$Tp = Tw$$

When the composite mixture has a maximum specific gravity greater than 2.540,

$$Tp = Tw((100-(((Gmm*A*B)-C)/(Gmm*A*B))*100))/100$$

Where:

Tp = Total tonnage for payment
Tw = Total tonnage weighed, used and accepted
Gmm = Maximum Specific Gravity of the approved composite asphalt mixture
A = 46.725 lbs/yd^2/in
B = 0.93 = 93% density
C = 110.374 lbs/yd^2/in = Theoretical density at 2.540 Gmm

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-403-4 **CODE: (IS)**

DATE: **11/04/2005**

SUBJECT: **Hot Mix Asphalt (HMA)**

Section 403, Hot Bituminous Pavement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-403.05.2--Pay Items. Add the "907" prefix to the pay items listed on page 275 & 276.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-403-12 **CODE: (SP)**

DATE: 08/21/2012

SUBJECT: Warm Mix Asphalt (WMA)

Section 403, Hot Bituminous Pavement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as amended by this special provision is applicable to Warm Mix Asphalt Only.

907-403.01--Description. This work consists of constructing one or more lifts of Warm Mix Asphalt (WMA) pavement in accordance with the requirements of Section 403 for Hot Mix Asphalt, with the exceptions set forth in this special provision. The WMA shall meet the requirements of this section and placed in reasonably close conformity with the lines, grade, thicknesses, and typical cross sections shown on the plans or established by the Engineer.

907-403.04--Method of Measurement. Warm mix asphalt will be measured by the ton. The weight of the composite mixture shall be determined in accordance with the provisions of Subsection 401.03.2.1.11.

907-403.05--Basis of Payment. Subject to the adjustments set out in Subsections 401.02.6.3, 401.02.6.4, 401.02.6.5, 401.02.6.6 & 403.03.2, warm mix asphalt, measured as prescribed above, will be paid for at the contract unit price per ton for each lift of pavement specified in the bid schedule and shall be full compensation for completing the work.

907-403.05.2--Pay Items. After the last pay item listed on page 276, add the following:

907-403-M: Warm Mix Asphalt, __(1)__, __(2)__ - per ton
Type Mixture

907-403-N: Warm Mix Asphalt, __(1)__, __(3)__, Leveling - per ton
Type Mixture

907-403-O: Warm Mix Asphalt, __(1)__, __(4)__, Trench Widening - per ton
Type Mixture

907-403-P: Warm Mix Asphalt, HT, __(3)__, Polymer Modified - per ton
Mixture

907-403-Q: Warm Mix Asphalt, HT, __(3)__, Polymer Modified, Leveling - per ton
Mixture

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-407-2 **CODE: (SP)**

DATE: 07/22/2014

SUBJECT: Tack Coat

Section 407, Tack Coat, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-407.02.1--Bituminous Material. Delete the second sentence of the first paragraph of Subsection 407.02.1 on page 281, and substitute the following:

When not specified, the materials shall be as specified in Table 410-A on page 293.

907-407.03.3--Application of Bituminous Material. Delete the first paragraph of Subsection 407.03.3 on page 281, and substitute the following.

Tack coat shall be applied with a distributor spray bar. A hand wand will only be allowed for applying tack coat on ramp pads, irregular shoulder areas, median crossovers, turnouts, or other irregular areas. Bituminous materials and application rates for tack coat shall be as specified in Table 410-A on page 293. Tack coat shall not be applied during wet or cold weather, or to a wet surface. Emulsions shall be allowed to "break" prior to superimposed construction.

907-407.05--Basis of Payment. Delete the pay item at the end of Subsection 407.05 on page 282, and substitute the following:

907-407-A: Asphalt for Tack Coat * - per gallon

* Grade may be specified

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-601-1 **CODE: (IS)**

DATE: **08/29/2007**

SUBJECT: **Structural Concrete**

Division 600, Incidental Construction, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

After the heading **DIVISION 600 - INCIDENTAL CONSTRUCTION**, add the following:

Unless otherwise specified, all testing of Portland cement concrete in Division 600 shall be in accordance with the requirements of Subsection 907-601.02.1.

907-601.02--Materials.

907-601.02.1--General. Delete the second and third sentence of the first paragraph of Subsection 601.02.1 on page 348, and substitute the following:

Sampling and testing will be in accordance with TMD-20-04-00-000 or TMD-20-05-00-000, as applicable.

907-601.03.6.3--Removal of Falsework, Forms, and Housing. Delete the first paragraph, the table and second paragraph of Subsection 601.03.6.3 on pages 349 and 350, and substitute the following:

The removal of falsework, forms, and the discontinuance of heating, shall be in accordance with the provisions and requirements of Subsection 907-804.03.15, except that the concrete shall conform to the following compressive strength requirements:

Wingwall and Wall Forms not Under Stress	1000 psi
Wall Forms under Stress	2200 psi
Backfill and Cover clear	2400 psi

In lieu of using concrete strength cylinders to determine when falsework, forms, and housings can be removed, an approved maturity meter may be used to determine concrete strengths by inserting probes into concrete placed in a structure. The minimum number of maturity meter probes required for each structural component shall be in accordance with Subsection 907-804.03.15. Procedures for using the maturity meter and developing the strength/maturity relationship shall follow the requirements of Subsection 907-804.03.15. Technicians using the maturity meter or calculating strength/maturity graphs shall meet the requirements of Subsection 907-804.03.15.

907-601.05--Basis of Payment. Add the "907" prefix to the pay items listed on page 352.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-603-8 **CODE: (SP)**

DATE: 05/12/2008

SUBJECT: Culverts and Storm Drains

Section 603, Culverts and Storm Drains, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-603.03--Construction Requirements.

907-603.03.2--Bedding. After the first paragraph of the Subsection 603.03.2 on page 356, add the following:

Non-rigid pipe used in cross drains and storm drains shall have a Class B bedding. Non-rigid pipe used in side drains shall have a Class C bedding. No separate measurement will be made for pipe bedding. Costs associated with pipe bedding shall be included in the cost of the pipe.

907-603.03.4--Joining Conduit.

907-603.03.4.1--Storm Drainage. Delete the first sentence of the seventh paragraph of Subsection 603.03.4.1 on page 358, and substitute the following:

Flexible steel conduits shall be firmly joined by coupling bands.

907-603.03.7--Backfilling. After the first paragraph of the Subsection 603.03.7 on page 360, add the following:

Backfill of non-rigid corrugated polyethylene and poly (vinyl chloride) (PVC) pipe used in cross drains and storm drains shall be performed using one of the following methods:

1. Flowable fill meeting the requirements of Section 631 of the Standard Specifications. If flowable fill is used, care shall be taken to prevent the pipe from "floating".
2. Crushed stone aggregate meeting the requirements of Subsection 703.04.3 of the Standard Specification.

No separate measurement will be made for backfilling pipe. Costs associated with backfilling pipe will be included in the cost of the pipe.

907-603.05--Basis of Payment. Add the "907" prefix to pay item nos. 603-ALT, 603-MA thru 603-MH, 603-NA thru 603-NL, 603-PE, and 603-PVC on pages 364 thru 366.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-607-AA001 **CODE: (SP)**

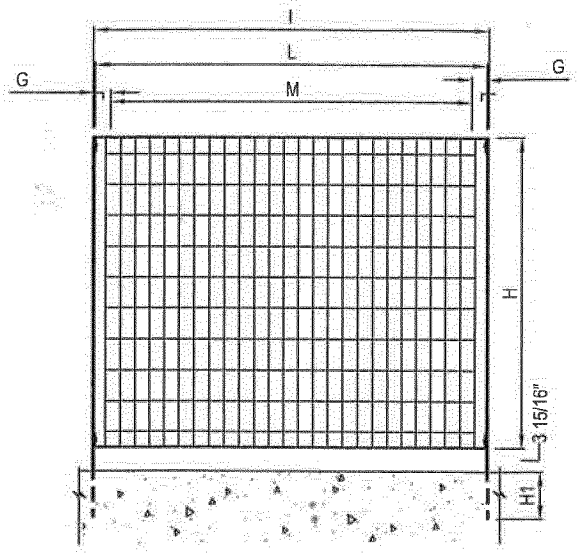
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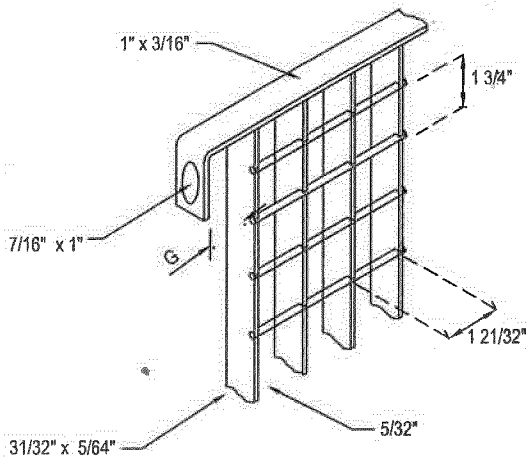
SUBJECT: ORNAMENTAL IRON FENCE

PROJECT: HPP-0210-00(015)LPA/105214-801000

Section 907-607-AA001 "Ornamental Iron Fence" is added to and made a part of the 2004 Edition of the Standard Specifications for Road and Bridge Construction.

This Work shall consist of installation of an ornamental iron fence that is electro-forge welded steel fencing. The panel height of the fence shall be 48 inches. The final components shall be powder polyester coated. The required dimensions shall meet the following schematics:





H	PANEL HEIGHT	UP TO 144" HIGH
H1	ANCHORE LENGTH*	8" UP TO 60" HIGH 10" UP TO 80" HIGH 12" UP TO 96" HIGH 18" OVER 96" HIGH
I	POST WIDTH	76-1/2" MAXIMUM
L	PANEL WIDTH	76-3/16" MAXIMUM
M	WIDTH OF GRILLE	72-11/16" MAXIMUM
G	LUG PROJECTION	1-3/4" MAXIMUM
	POST SIZE*	2-1/2" X 5/16" FLAT BAR UP TO 60" HIGH 3-1/2" X 5/16" FLAT BAR UP TO 96" HIGH 2" X 2" SQUARE TUBE OVER 96" HIGH
*FINAL DETERMINATION OF ANCHORE LENGTH AND POST SIZE IS BASED ON PANEL SIZE, SITE CONDITIONS AND DESIGN CONSIDERATION.		

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

SHIELD DESIGN

1-21/32" x 1-3/4" MESH

MEASUREMENT AND PAYMENT

1.02 METHOD OF MEASUREMENT

A. The method of measurement and payment shall conform to the applicable provisions of Section 109 of the Standard Specifications for Road and Bridge Construction 2004 Edition.

1.02 BASIS OF PAYMENT

A. This Work shall be paid for at the contract unit price per linear feet. The measurement of the contract unit price shall be full compensation for furnishing and placing all materials; and for all labor, equip equipment, tools and incidentals necessary to complete the work.

B. Payment will be made under:

907-607-AA001	Ornamental Iron Fence	- L.F.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-618-13 **CODE: (SP)**

DATE: 06/03/2014

SUBJECT: Temporary Construction Signs

Section 618, Maintenance of Traffic and Traffic Control Plan, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-618.03--Construction Requirements.

907-618.03.2--Barricades, Signs, and Flaggers. Delete the second paragraph of Subsection 618.03.2 on page 414, and substitute the following.

Flaggers shall be stationed at such points as may be deemed necessary.

Temporary construction signs shall be removed as their use becomes inapplicable. However, placing temporary signs and their supports flat on the ground outside the shoulder break line will be allowed.

907-618.05--Basis of Payment. Delete the first two pay items listed on page 418, and substitute the following.

907-618-A: Maintenance of Traffic - lump sum

907-618-B: Additional Construction Signs - per square foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-626-3 **CODE: (SP)**

DATE: 07/21/2004

SUBJECT: Thermoplastic Markings

Section 626, Thermoplastic Traffic Markings, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-626.03.1.2--Construction Details. After the first sentence of the eighth paragraph of Subsection 626.03.1.2 on Page 445, add the following:

For 4-inch stripe, additional beads by the drop-on method shall be applied at a rate of not less than two pounds of beads per 100 feet of four-inch stripe.

907-626.04--Method of Measurement. After the second paragraph of Subsection 626.04 on Page 445, add the following:

Four-inch equivalent detail traffic stripe will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surface of each stripe and will exclude skip intervals where skips are specified. Stripes more than four inches in width will be converted to equivalent lengths of four-inch stripe.

After the last paragraph of Subsection 626.04 on Page 446, add the following:

When transverse railroad bands, pedestrian crosswalks and stop lines are measured by the linear foot of 4-inch equivalent stripe, stripes more than four inches in width will be converted to equivalent lengths of four-inch widths.

907-626.05--Basis of Payment. Add the following pay items to the list of pay items on page 446.

907-626-A:	4" Thermoplastic Traffic Stripe, Skip White	- per linear foot or mile
907-626-B:	4" Thermoplastic Traffic Stripe, Continuous White	- per linear foot or mile
907-626-C:	4" Thermoplastic Edge Stripe, Continuous White	- per linear foot or mile
907-626-D:	4" Thermoplastic Traffic Stripe, Skip Yellow	- per linear foot or mile
907-626-E:	4" Thermoplastic Traffic Stripe, Continuous Yellow	- per linear foot or mile
907-626-F:	4" Thermoplastic Edge Stripe, Continuous Yellow	- per linear foot or mile

907-626-G: Thermoplastic Detail Stripe, Color, 4" Equivalent Length - per linear foot

907-626-H: Thermoplastic Legend, Color, 4" Equivalent Length - per linear foot or square foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-626-24 **CODE: (SP)**

DATE: 11/08/2011

SUBJECT: Thermoplastic Blue ADA Markings

Section 626, Thermoplastic Traffic Markings, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-626.02--Materials. After the first paragraph of Subsection 626.02.1 on page 443, add the following:

Blue-ADA thermoplastic marking material shall meet the requirements of Subsection 720.02 with the exception that the color shall be blue-ADA. In lieu of the above material requirements, the Contractor may use hot applied thermoplastic materials meeting the satisfaction of the Engineer.

907-626.04--Method of Measurement. After the last paragraph of Subsection 626.04 on page 446, add the following:

For pay items indicated to be 4-inch equivalents, the detail traffic stripe will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surface of each stripe and will exclude skip intervals where skips are specified. Stripes more than four inches in width will be converted to equivalent lengths of four-inch stripe. Legend, which is to include railroad markings, pedestrian crosswalks and stop lines, will be measured by the square foot or linear foot. Pay areas of individual letters and symbols will usually be shown on the plans and measured by the square foot. Transverse railroad bands, pedestrian crosswalks and stop lines will generally be measured by the linear foot, in which case, stripes more than four inches in width will be converted to equivalent lengths of four-inch widths. Cold Plastic Legend, Handicap Symbol of the color specified will be measured per each as determined by actual count in place.

907-626.05--Basis of Payment. Delete the first sentence under Subsection 626.05 on page 446 and substitute the following:

Thermoplastic traffic markings will be paid for at the contract unit price per mile, linear foot, square foot or each, as applicable, which shall be full compensation for completing the work.

Add the following pay items after pay item 626-G on page 446.

907-626-G: Thermoplastic Detail Stripe, Blue-ADA - per linear foot

907-626-H: Thermoplastic Legend, Blue-ADA - per square foot

907-626-H: Thermoplastic Legend, Handicap Symbol, Color - per each

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-626-25 **CODE: (IS)**

DATE: 11/13/2012

SUBJECT: Thermoplastic Traffic Markings

Section 626, Thermoplastic Traffic Markings, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-626.01--Description. After the last sentence of the first paragraph of Subsection 626.01 on page 443, add the following.

All pavement marking material, excluding edge lines over rumble strips, shall be applied using the extrusion/ribbon method. Edge lines placed over rumble strips shall be applied using the atomization/spray method.

907-626.03.1.1--Equipment. After the second paragraph of Subsection 626.03.1.1 on page 444, add the following.

When edge lines are placed over rumble strips, the equipment must be able to apply the marking material using the atomization/spray method instead of extrusion/ribbon method.

907-626.03.1.2--Construction Details. Delete the second sentence of the first full paragraph of Subsection 626.03.1.2 on page 445, and substitute the following.

Unless otherwise specified in the plans or contract documents, the thickness shall be 90 mils for edge lines, center lines, lane lines, barrier lines and detail stripe including gore markings, and 120 mils for crosswalks, stop lines, and railroad, word and symbol markings.

After the last sentence of the third full paragraph of Subsection 626.03.1.2 on page 445, add the following.

When double drop thermoplastic stripe is called for in the contract, additional beads by the drop-on method shall be applied as follows.

Class A glass beads at a rate of not less than three pounds of beads per 100 feet of six-inch stripe.
Class B glass beads at a rate of not less than three pounds of beads per 100 feet of six-inch stripe.

The Class B glass beads shall be applied to the newly placed stripe first, followed by the application of the Class A glass beads.

907-626.05--Basis of Payment. Delete the pay items listed on page 446 and substitute the following.

907-626-A:	6" Thermoplastic* Traffic Stripe, Skip White	- per linear foot or mile
907-626-B:	6" Thermoplastic* Traffic Stripe, Continuous White	- per linear foot or mile
907-626-C:	6" Thermoplastic* Edge Stripe, Continuous White	- per linear foot or mile
907-626-D:	6" Thermoplastic* Traffic Stripe, Skip Yellow	- per linear foot or mile
907-626-E:	6" Thermoplastic* Traffic Stripe, Continuous Yellow	- per linear foot or mile
907-626-F:	6" Thermoplastic* Edge Stripe, Continuous Yellow	- per linear foot or mile
907-626-G:	Thermoplastic* Detail Stripe, Color	- per linear foot
907-626-H:	Thermoplastic* Legend, White	- per linear foot or square foot

* Indicate Double Drop if applicable

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-699-5 **CODE: (SP)**

DATE: **12/17/2013**

SUBJECT: **Construction Stakes**

Section 699, Construction Stakes, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby deleted and replaced as follows.

SECTION 907-699 - CONSTRUCTION STAKES

907-699.01--Description. This work consists of performing all calculations and other work necessary to establish and/or verify all horizontal and vertical control data; and furnishing, placing and maintaining roadway construction stakes or bridge construction stakes, or both, necessary for the proper prosecution of all features and items of the work under contract. This shall include, but not be limited to, grades and drainage structure locations, lengths, elevations and skews. When the contract includes a pay item for roadway construction stakes as provided herein, any references in other sections of the Standard Specifications to establishment of control points or construction staking "by the Department" shall be construed to mean "by the Contractor".

This work may be performed utilizing Automated Machine Guidance technologies and systems in accordance with the standard specifications and contract documents. Automated Machine Guidance (AMG) is defined as the utilization of positioning technologies such as Global Positioning Systems (GPS), Robotic Total Stations, lasers, and sonic systems to automatically guide and adjust construction equipment according to the intended design requirements. Global Positioning Systems (GPS) shall NOT be used for determining any points above the subgrade line. The Contractor may use any type of AMG system(s) that result in compliance with the contract documents and applicable Standard Specifications.

Automated Machine Guidance (AMG) is not a mandatory requirement. Automated Machine Guidance (AMG), conventional staking, or a combination of both may be used at the Contractor's option for staking on this project.

907-699.02--Materials. The Contractor shall furnish all personnel, materials, equipment and devices necessary for determining, establishing, setting, checking and maintaining points, lines, grades and layout of the work. All surveying equipment shall be properly adjusted and suited for performing the work required. Traffic control necessary for the proper execution of the work shall be furnished by the Contractor without separate measurement for payment. Stakes shall be of sufficient length, thickness and quality to serve the purpose for which they are being used.

All equipment required to accomplish automated machine guidance shall be provided by the Contractor. The Contractor may use any type of AMG equipment that achieves compliance with the contract documents and applicable Standard Specifications.

The Contractor shall provide the Department with an acceptable portable grade-verification device (Rover) to be used by the Department during the duration of the contract. On large projects with high production rates, the Contractor may have to provide more than one device. At the end of the contract, the device will be returned to the Contractor. This device shall have the same capabilities as the unit used by the Contractor.

907-699.03--Construction Requirements.

907-699.03.1--General. The Department will establish, one time only, secondary control points with elevations at distances not to exceed 1500 feet or that minimum distance necessary to maintain inter-visibility. For bridge work, the Engineer's field control will consist of a stationed baseline reference point near each end of the bridge(s) and one accessible bench mark near each bridge site. For the purpose of determining responsibility for construction stakes, lines and grades, a box bridge will not be considered as a bridge. The Contractor shall verify the accuracy of the control points before proceeding with the layout for construction.

When errors are discovered and control points do not agree with the plans, the Contractor shall promptly notify the Engineer in writing, and explain the problem in detail. The Engineer will advise the Contractor within five (5) working days of any corrective actions which may be deemed necessary.

The Contractor will be responsible for verifying and modifying, as necessary to best fit existing field conditions, lengths, locations, elevations and skew angles of all drainage structures shown on the construction plans. All junction box and inlet locations and heights shall also be verified and modified as necessary to fit existing field conditions. Modifications to the plans shall not be made without the consent of the Project Engineer. The Contractor will not be responsible for determining the size of drainage structures, but should immediately report any suspected error to the Engineer. Heights of fill over drainage structures shall be checked to verify class of pipe, bedding and the appropriate standard and/or modified standard drawing(s) required in the construction with any differences from the plans being reported to the Engineer.

The Contractor shall perform work necessary to verify alignment and plan grades on all roadway intersections and tie-ins. Any discrepancies in grades, alignment, location and or dimension detected by the Contractor shall immediately be brought to the attention of the Project Engineer.

The Contractor shall employ sufficient qualified personnel experienced in highway surveying and layout to complete the work accurately. The Contractor shall also determine and provide all additional grade controls and staking operations necessary to secure a correct layout and construction of the work. All minor variations in layout and grades required to meet field conditions shall be resolved with the Engineer and shall not be considered justification for adjusting contract price or time.

Examples of minor variations in layout and grades are:

(a) Adjustment of drainage or other structure length, alignment, and flow line elevation.

(b) The adjustment of grades and alignment at roadway intersections, cross-overs, railroad crossings, interchanges, existing bridges and roadways.

(c) Adjustment of curve data.

The Contractor will be responsible for calculating and laying out all additional lines, grades, elevations and dimensions necessary to construct the work required in the plans. All grades and other layout data computed by the Contractor shall be recorded and a copy of this data shall be furnished, with sufficient time for checking, to the Engineer before field work is started. The originals of all data shall be furnished to the Engineer on or before final inspection for the Department's permanent file. The Contractor shall also furnish personnel to assist the Engineer in taking tolerance verification checks or other notes to determine whether specified tolerances are met. Any inspection or checking of the Contractor's layout by the Engineer and the approval of all or any part of it will not relieve the Contractor of the responsibility to secure proper dimensions, grades, and elevations of the several parts of the work.

Prior to beginning construction on any structure which is referenced to an existing structure or topographical feature, the Contractor shall check the pertinent location and grades of the existing structures or topographical features to determine whether the location and grade shown on the plans are correct.

The Contractor shall stake centerline control at each station, BOP, EOP, PC, PT, SC, CS, TS, ST, and equations just before field cross sectioning by the Department for both original and final cross sections.

The Contractor shall furnish "as built" finish centerline elevations to the Project Engineer prior to final inspection of the project.

The Contractor shall set stakes and/or flags on the right-of-way line at each station and right-of-way break or as directed by the Engineer before clearing operations are started on any section of roadway.

Regardless of the method used, the Contractor shall meet the surface tolerances addressed in Section 321.

The Contractor shall exercise care in the preservation of stakes and bench marks and shall reset them when they are damaged, lost, displaced or removed. The Contractor shall use competent personnel and suitable equipment for the layout work required and shall provide that it be performed under the supervision of, or directed by, a Registered Professional Engineer or Registered Land Surveyor who is duly registered and entitled to practice as a Professional Engineer or Professional Land Surveyor in the State of Mississippi. The duties performed by said Registrant shall conform to the definitions under the "practice of engineering" and practice of "land surveying" in Mississippi Law and the latest edition of the MDOT Survey Manual. The MDOT Survey Manual can be obtained online at the following address.

http://sp.mdot.ms.gov/RoadwayDesign/Pages/MDOT-Survey-Manual.aspx

The Contractor shall not engage the services of any person in the employ of the Department for the performance of any of the work covered by this Section or any person who has been employed by the Department within the past six months except those who have legitimately retired from service with the Department during this period.

All cross sections, measurements, and tickets required for determining pay quantities will be the responsibility of the Department.

The Department reserves the right to check for accuracy any or all of the Contractor's layout work and shall be assisted by the Contractor's personnel in such checking. When errors or discrepancies are found, the Contractor will take measures necessary to correct, at no expense to the State, any construction that has been performed using the improper layout. Any inspection, checking and approval thereof by the Engineer of work for which the Contractor is responsible will not relieve the Contractor of responsibility to secure correct dimensions, grades, elevations, alignments and locations of the work for satisfactory completion of the project and as a condition for final acceptance by the Department.

907-699.03.2--Conventional Staking. In addition to the requirements set forth in Subsection 907-699.03.1, the following shall be required when using the conventional staking method.

On grading projects, the Contractor shall set slope stakes at each station and at the beginning and end of spirals and curves. Closer intervals will be required for sharp changes in grades or alignment, widening and certain other geometric details.

The Contractor shall set subgrade blue tops on centerline, break points and at the left and right subgrade shoulder lines at intervals of not more than 100 feet on tangents and intervals of not more than 50 feet in curves. Closer intervals will be required for sharp changes in grades or alignment, widening, or super elevation.

The Contractor shall furnish personnel to assist the Engineer in taking stringline and other notes to determine whether specified tolerances are met.

On paving contracts, the Contractor shall set subgrade, base and paving blue tops. The base and pavement grade stakes shall be set on intervals in accordance with the applicable requirements of Sections 321, 403 and 501.

907-699.03.3--Automated Machine Guidance. In addition to the requirements set forth in Subsection 907-699.03.1, the following shall be required when using the automated machine grading method.

907-699.03.3.1--Automated Machine Guidance Work Plan. The Contractor shall submit a comprehensive written Automated Machine Guidance Work Plan to the Engineer for review at least 30 days prior to use. The Project Engineer will have to concur with the Plan prior to the Contractor performing any AMG work. The submittal of an AMG Work Plan shall be an indication of the Contractor's intention to utilize AMG instead of conventional methods on the

project areas and elements stated in the Work Plan. The Engineer shall review the Automated Machine Guidance Work Plan to ensure that the requirements of this special provision are addressed. The Contractor shall assume total responsibility for the performance of the system utilized in the Work Plan. Any update or alteration of the Automated Machine Guidance Work Plan in the course of the work shall be approved and submitted to MDOT for determination of conformance with requirements of this special provision.

The Automated Machine Guidance Work Plan shall describe how the automated machine guidance technology will be integrated into other technologies employed on the project. This shall include, but not limited to, the following:

1. A description of the manufacturer, model, and software version of the AMG equipment.
2. Information on the Contractor's experience in the use of Automated Machine Guidance system (or Related Technologies) to be used on the project, including formal training and field experience of project staff.
3. A single onsite staff person as the primary contact, and up to one alternate contact person for Automated Machine Guidance technology issues.
4. A definition of the project boundaries and scope of work to be accomplished with the AMG system.
5. A description of how the project proposed secondary control(s) is to be established. It shall also include a list and map detailing control points enveloping the site.
6. A description of site calibration procedures including, but not limited to, equipment calibration and the frequency of calibration as well as how the equipment calibration and information will be documented to MDOT and the Project Engineer. The documentation shall contain a complete record of when and where the tests were performed and the status of each equipment item tested within or out of the ranges of required tolerances.
7. A description of the Contractor's quality control procedures for checking mechanical calibration and maintenance of equipment. It shall also include the frequency and type of checks to be performed.
8. A description of the method and frequency of field verification checks and the submission schedule of results to the Project Engineer.
9. A description of the Contractor's contingency plan in the event of failure/outage of the AMG system.
10. A schedule of Digital Terrain Models (DTM) intended for use on the project. This shall be submitted to the Engineer for review, feedback, and communication.

907-699.03.3.2--State's Responsibilities. The District Surveyor will set the primary horizontal and vertical control points in the field for the project as per latest edition of the MDOT Survey Manual. The control points shall be in Mississippi State Plane coordinate system.

MDOT will provide an electronic alignment file and primary control file for the project. This file will be based on the appropriate Mississippi State Plane Coordinate Zone either West or East. These files will be created with the computer software applications MicroStation (CADD software) and GEOPAK (civil engineering software). The data files will be provided in the native formats. The Contractor shall perform necessary conversion of the files for their selected grade control equipment, field verify the data for accuracy, and immediately report any errors to

MDOT.

MDOT will provide design data, if available, in an electronic format to the Contractor. These files will be created with the computer software applications MicroStation (CADD software) and GEOPAK (civil engineering software). The data files will be provided in the native formats as specified in the Data Format section of this specification. No guarantee is made to the data accuracy or completeness, or that the data systems used by MDOT will be directly compatible with the systems used by the Contractor. Information shown on the paper plans marked with the seal (official plans as advertised) shall govern.

The Engineer will perform spot checks as necessary of the Contractor's machine control grading results, surveying calculations, records, field procedures, and actual staking. If the Engineer determines that the work is not being performed in accordance with the Specifications, the Engineer shall order the Contractor to re-construct the work to the requirements of the contract documents at no additional cost to the Department.

907-699.03.3.3--Contractor's Responsibilities. The Contractor shall provide formal training, as requested, on the use of the Automated Machine Guidance Equipment, including Rover, and the Contractor's systems to MDOT project personnel prior to the start of construction activities utilizing AMG. This training is for providing MDOT project personnel with an understanding of the equipment, software, and electronic data being used by the Contractor.

The Contractor shall use the alignment and control data provided by MDOT.

The Contractor shall bear all costs, including but not limited to the cost of actual reconstruction work that may be incurred due to errors in application of Automated Machine Guidance techniques or manipulation of MDOT design data in Digital Terrain Models (DTM). The Contractor shall also bear all costs associated with any graphical grading outside the model / typical section, such as tying to existing grades at the beginning or end of a project.

The Contractor shall be responsible for converting the information on the plans and/or electronic data file provided by MDOT into a format compatible with the Contractor's AMG system.

The Contractor shall establish secondary control points at locations along the length of the project and outside the project limits and/or where work is performed beyond the project limits as required by the Automated Machine Guidance system utilized. The Contractor shall establish this secondary control using survey procedures as outlined in the latest edition of the MDOT Survey Manual. A copy of all new control point information shall be provided to the Engineer prior to construction activities. The Contractor shall be responsible for all errors resulting from their efforts and shall correct deficiencies to the satisfaction of the Engineer and at no additional cost to the State.

The Contractor shall preserve all reference points and monuments that are established by the District Surveyor outside the construction limits. If the Contractor fails to preserve these items, they shall be re-established by the Contractor to their original quality at no additional cost to the State.

The Contractor shall set grade stakes at the top of the finished sub-grade and base course at all hinge points on the typical sections at 1000-foot maximum intervals on mainline, critical points such as, but not limited to, PC's, PT's, beginning and ending super elevation transition sections, middle of the curve, and at least two locations on each of the side roads and ramps, and at the beginning and end of each cross slope transition where Automated Machine Guidance is used. These grade stakes shall be established using conventional survey methods for use by the Engineer to check the accuracy of the construction.

On grading projects, the Contractor shall set slope stakes and centerline stationing every 500 feet and at the beginning and end of spirals and curves. Closer intervals will be required for sharp changes in grades or alignment, widening and certain other geometric details.

The staking requirements for pavement grade stakes addressed in Sections 403 and 501will not apply. The Contractor shall furnish an acceptable portable grade-verification device(s) (Rover) to verify grade tolerances.

The Contractor will be required to set 20 grade points (hubs) per mile at locations determined by the Engineer for field verification. If tolerances are not met, additional grade points may be required by the Engineer.

The Contractor shall furnish personnel to assist the Engineer in taking tolerance verification checks as necessary to determine whether specified tolerances are met.

The Contractor shall meet the same accuracy requirements as detailed in the Mississippi Standard Specifications for Road and Bridge Construction.

The Contractor shall be responsible for implementing the AMG system using the Mississippi State Plane Coordinate System. No localization methods will be accepted.

907-699.03.3.4--Data Format. It is the Contractor's responsibility to produce the Digital Terrain Model(s) and/or 3D line work needed for Automated Machine Guidance. MDOT does not produce this data in its design process. MDOT does provide CADD files created in the design process to the Contractor. The CADD files provided by MDOT are provided in the native software application formats in which they are created with no conversions, and their use in developing 3D data for machine guidance is at the discretion of the Contractor. The CADD files that may be available are listed below. Cross-Sections are one of the items provided but are not necessarily created at critical design locations. Therefore their use in Digital Terrain Models (DTM) for AMG is limited.

1. Project Control - Microstation DGN file and ASCII file
2. Existing Topographic Data - Microstation DGN file(s)
3. Preliminary Surveyed Ground Surface - GeoPak TIN, if available
4. Horizontal and Vertical alignment information - GeoPak GPK file and/or Microstation DGN file(s)
5. 2D Design line work (edge of pavement, shoulder, etc.) - Microstation DGN file(s)

6. Cross sections - Microstation DGN file(s), GeoPak format
7. Superelevation - Microstation DGN file(s), GeoPak format
8. Form Grades - Microstation DGN file(s)
9. Design Drainage - Microstation DGN file(s)

It is expressly understood and agreed that MDOT assumes no responsibility in respect to the sufficiency or accuracy of these CADD files. These files are provided for convenience only and the contract plans are the legal document for constructing the project.

907-699.04--Method of Measurement. Construction stakes will be measured as a lump sum quantity. When Pay Item No. 907-699-A, Roadway Construction Stakes, is provided in the contract, measurement shall include the staking of all bridges, including detour bridges, which are a part of the contract.

907-699.04.1--Roadway Construction Stakes. Roadway Construction Stakes will be measured for payment in accordance with the following schedule:

(a) When one percent of the original contract amount is earned from all direct pay items, 10 percent of the amount bid for Roadway Construction Stakes will be paid.
(b) When five percent of the original contract amount is earned from all direct pay items, 25 percent of the amount bid for Roadway Construction Stakes will be paid.
(c) When 20 percent of the original contract amount is earned from all direct pay items, 50 percent of the amount bid for Roadway Construction Stakes will be paid.
(d) After the Contractor has earned 50 percent of the original value of all direct pay items, the amount paid will be based on the contract percent complete.

907-699.04.2--Bridge Construction Stakes. Bridge Construction Stakes will be measured for payment in accordance with the following schedule:

(a) When one percent of the original contract value of all bridge items is earned, 10 percent of the amount bid for Bridge Construction Stakes will be paid.
(b) When five percent of the original contract value of all bridge items is earned, 25 percent of the amount bid for Bridge Construction Stakes will be paid.
(c) When 20 percent of the original contract value of all bridge items is earned, 50 percent of the amount bid for Bridge Construction Stakes will be paid.
(d) After the Contractor has earned 50 percent of original contract value of all bridge items, the amount paid will be based on the percentage of work completed on all bridge items.

907-699.05--Basis of Payment. Construction stakes, measured as prescribed above, will be paid for at the contract lump sum price, which shall be full compensation for completing the work.

Payment will be made under:

907-699-A: Roadway Construction Stakes - lump sum

907-699-B: Bridge Construction Stakes - lump sum

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-701-4 **CODE: (IS)**

DATE: 11/09/2010

SUBJECT: Hydraulic Cement

Section 701, Hydraulic Cement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

Delete Subsection 701.01 on pages 595 & 596, and substitute the following:

907-701.01--General. The following requirements shall be applicable to hydraulic cement:

Only hydraulic cements conforming to Section 701 shall be used. Hydraulic cements shall not be listed or designated as meeting more than one AASHTO or Department type.

Different brands of hydraulic cement, or the same brand of hydraulic cement from different mills, shall not be mixed or used alternately in any one class of construction or structure, without written permission from the Engineer; except that this requirement will not be applicable to hydraulic cement treatment of design soils, or bases.

The Contractor shall provide suitable means for storing and protecting the hydraulic cement against dampness. Hydraulic cement, which for any reason, has become partially set or which contains lumps of caked hydraulic cement will be rejected. Hydraulic cement salvaged from discarded or used bags shall not be used.

The temperature of bulk hydraulic cement shall not be greater than 165°F at the time of incorporation in the mix.

Acceptance of hydraulic cement will be based on the certification program as described in the Department's Materials Division Inspection, Testing, and Certification Manual and job control sampling and testing as established by Department SOP.

Retests of hydraulic cement may be made for soundness and expansion within 28 days of test failure and, if the hydraulic cement passes, it may be accepted. Hydraulic cement shall not be rejected due to failure to meet the fineness requirements if upon retests after drying at 212°F for one hour, it meets such requirements.

Delete Subsection 701.02 on page 596, and substitute the following:

907-701.02--Portland Cement.

907-701.02.1--General.

907-701.02.1.1--Types of Portland Cement. Portland cement (cement) shall be either Type I or Type II conforming to AASHTO Designation: M85 or Type I(MS), as defined by the description below Table 1. Type III cement conforming to AASHTO Designation: M85 or Type III(MS), as defined by the description below Table 1, may be used for the production of precast or precast-prestressed concrete members.

907-701.02.1.2--Alkali Content. All cement types in this Subsection shall meet the Equivalent alkali content requirement for low-alkali cements listed in AASHTO Designation: M85, Table 2.

907-701.02.2--Replacement by Other Cementitious Materials. The maximum replacement of cement by weight is 25% for fly ash or 50% for ground granulated blast furnace slag (GGBFS). The minimum tolerance for replacement shall be 5% below the maximum replacement content. Replacement contents below this minimum tolerance by fly ash or GGBFS may be used, but shall not be given any special considerations, like the maximum acceptance temperature for Portland cement concrete containing pozzolans. Special considerations shall only apply for replacement of cement by fly ash or GGBFS.

907-701.02.2.1--Portland Cement Concrete Exposed to Soluble Sulfate Conditions or Seawater. When Portland cement concrete is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash, GGBFS, or silica fume shall be as follows in Table 1.

Table 1- Cementitious Materials for Soluble Sulfate Conditions

Sulfate Exposure	Water-soluble sulfate (SO_4) in soil, % by mass	Sulfate (SO_4)in water, ppm	Cementitious material required*
Moderate and Seawater	0.10 - 0.20	150 - 1,500	Type II **, ***, **** cement, or Type I cement with one of the following replacements of cement by weight: 25% Class F fly ash, 50% GGBFS, or 8% silica fume
Severe	0.20 - 2.00	1,500 - 10,000	Type I cement with a replacement by weight of 50% GGBFS, or Type II ** cement with one of the following replacements of cement by weight: 25% Class F fly ash, 50% GGBFS, or 8% silica fume

* The values listed in this table for replacement of Portland cement by the cementitious materials listed are maximums and shall not be exceeded. The minimum tolerance for replacement shall be 0.5% below the maximum replacement content. Replacement contents below this minimum tolerance by the cementitious materials listed in this table do not meet the requirements for the exposure conditions listed and shall not be allowed.

** Type I cement conforming to AASHTO Designation: M85 with a maximum 8% tricalcium aluminate (C_3A) may be used in lieu of Type II cement; this cement is given the designation "Type I(MS)". Type III cement conforming to AASHTO Designation: M85 with a maximum 8% tricalcium aluminate (C_3A) may be used in lieu of Type II cement as allowed in Subsection 907-701.02.1; this cement is given the designation "Type III(MS)".

*** Blended cement meeting the sulfate resistance requirements of Subsection 907-701.04 may be used in lieu of Type II as allowed in Subsection 907-701.04. No additional cementitious materials shall be added to or as a replacement for blended cement.

**** Class F fly ash or GGBFS may be added as a replacement for cement as allowed in Subsection 907-701.02.2.

Class C fly ash shall not be used as a replacement for cement in any of the sulfate exposure conditions listed above.

907-701.02.2.2--Cement for Soil Stabilization Exposed to Soluble Sulfate Conditions or Seawater. When Portland cement for use in soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall meet the requirements of Subsection 907-701.02.2.1. Neither metakaolin nor silica fume shall be used to bring the cementitious materials into compliance with the requirements of Table 1.

Delete Subsection 701.03 on page 596, and substitute the following:

907-701.03--Masonry Cement. Masonry cement shall conform to ASTM Designation: C 91 and shall only be used in masonry applications.

Delete Subsection 701.04 on page 596, and substitute the following:

907-701.04--Blended Hydraulic Cement.

907-701.04.1--General.

907-701.04.1.1--Types of Blended Cement. Blended hydraulic cements (blended cements) shall be of the following types and conform to AASHTO Designation: M 240:

Type I(SM) – Slag-modified Portland cement
Type IS – Portland blast-furnace slag cement
Type I(PM) – Pozzolan-modified Portland cement
Type IP – Portland-pozzolan cement

Blended cement for use in Portland cement concrete or soil stabilization exposed to the moderate soluble sulfate condition or exposure to seawater as defined in Table 1 shall meet the Sulfate resistance requirement listed in AASHTO Designation: M 240, Table 2 and the "(MS)" suffix shall be added to the type designation.

907-701.04.1.2--Alkali Content. All blended cement types in this Subsection shall meet the Mortar expansion requirements listed in AASHTO Designation: M 240, Table 2.

907-701.04.2--Replacement by Other Cementitious Materials. No additional cementitious materials, such as Portland cement, performance hydraulic cement, fly ash, GGBFS, metakaolin, or others, shall be added to or as a replacement for blended cement.

907-701.04.3--Exposure to Soluble Sulfate Conditions or Seawater. When Portland cement concrete or blended cement for soil stabilization is exposed to moderate soluble sulfate conditions or to seawater, where the moderate soluble sulfate condition is defined in Table 1, the blended cement shall meet the sulfate resistance requirement listed in AASHTO Designation: M 240, Table 2.

When Portland cement concrete or blended cement for soil stabilization is exposed to severe soluble sulfate conditions, where the severe soluble sulfate condition is defined in Table 1, blended cements shall not be used.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-702-3 **CODE: (SP)**

DATE: 05/08/2012

SUBJECT: Polyphosphoric Acid (PPA) Modification of Petroleum Asphalt Cement

Section 702.05, Petroleum Asphalt Cement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-702.05--Petroleum Asphalt Cement. Delete the third paragraph of Subsection 702.05 on page 598, and substitute the following.

The bituminous material used in all types of asphalt mixtures shall conform to AASHTO Designation: M 320, Performance Grade PG 67-22, as modified in the table below, except that Polyphosphoric Acid (PPA) may be used at low dosage rates as a modifier to enhance the physical properties of a base binder to meet the requirements for Performance Grade PG 67-22. In addition, PPA may be used as a catalyst or mixing agent at low dosage rates in the production of Polymer Modified, Performance Grade PG 76-22.

When PPA is used as a modifier, in no case shall the PPA modifier be used to adjust the physical properties of the binder a full binder grade. For example: the base binder (unmodified) is graded as a PG 64-22 and should only be modified by the addition of PPA to a modified binder grade of PG 67-22.

When petroleum asphalt cement is modified by PPA, the following dosage limits shall be applied.

Grade	Dosage Limit
PG 67-22	0.75% by weight of binder
PG 76-22	0.50% by weight of binder

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-703-11 **CODE: (IS)**

DATE: 05/22/2013

SUBJECT: Aggregates

Section 703, Aggregates, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-703.03.2.4--Gradation. Delete the last sentence of the last paragraph of Subsection 703.03.2.4 on page 611.

907-703.04--Aggregate for Crushed Stone Courses.

907-703.04.1--Coarse Aggregate. Delete the first paragraph of Subsection 703.04.1 on page 611, and substitute the following.

Coarse aggregate, defined as material retained on No. 8 sieve, shall be either crushed limestone, steel slag, granite, concrete, or combination thereof. Crushed concrete is defined as recycled concrete pavement, structural concrete, or other concrete sources that can be crushed to meet the gradation requirements for Size No. 825B as modified below. In no case shall waste from concrete production (wash-out) be used as a crushed stone base.

907-703.04.2--Fine Aggregate. Delete the first sentence of the first paragraph of Subsection 703.04.2 on page 612, and substitute the following.

Fine aggregate, defined as material passing the No. 8 sieve, shall be material resulting from the crushing of limestone, steel slag, granite, concrete, or combination thereof.

Delete the third paragraph of Subsection 703.04.2 on page 612.

907-703.04.3--Gradation. In the table of Subsection 703.04.3 on page 613, change the requirement for the 1-inch sieve under Size No. 825 B from "75 - 98" to "75 - 100".

After the table in Subsection 703.04.3 on page 613, add the following.

If crushed concrete is used, the crushed material shall meet the gradation requirements of Size No. 825 B with the exception that the percent passing by weight of the No. 200 sieve shall be 2 – 18.

907-703.06--Aggregates for Hot Mix Asphalt.

907-703.06.1--Coarse Aggregates. Delete the third paragraph of Subsection 703.06.1 on page 613, and substitute the following.

When tested in accordance with AASHTO Designation: T 19, the dry rodded unit weight of all aggregates except expanded clay and shale shall not be less than 70 pounds per cubic foot.

907-703.06.1.2--Fine Aggregates. Delete the last sentence of Subsection 703.06.1.2 on page 614.

907-703.14--Aggregates for Bituminous Surface Treatments.

907-703.14.2--Detail Requirements.

907-703.14.2.1--Gradation. In the table entitled "Gradation Requirements For Cover Aggregate" in Subsection 703.14.2.1 on page 622, delete the requirement for the No. 16 sieve for Size No. 7 under the column "Slag or Expanded Clay".

907-703.20.3--Gradation. Delete the table and notes in Subsection 703.20.3 at the top of page 626, and substitute the following.

PERCENT PASSING BY WEIGHT

Square Mesh Sieves	Shell	Coarse			Medium	Fine
		Size I	Size II Note (1)	Size III Note (3)		
3 inch				100		
2 1/2 inch	90-100			90-100		
2 inch		100				
1 1/2 inch		90-100	100	25-60		
1 inch		80-100	97-100			
3/4 inch		55-100	55-100	0-10		
1/2 inch		35-85	35-85	0-5	100	
3/8 inch		12-65	12-65		97-100	
No. 4, Note (2)		0-30	0-30		92-100	
No. 10		0-8	0-8		80-100	100
No. 40					10-40	80-100
No. 60					0-20	30-100
No. 100						15-80
No. 200	0-5	0-4	0-4		0-5	0-30
PI Material Passing No. 40					6 or less	0

Note (1): Size II is intended for use in bases in which portland cement is used.
Note (2): Ground shell shall contain at least 97% passing the No. 4 sieve.
Note (3): Size III is intended for use in stabilized construction entrances.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-707-4 **CODE: (SP)**

DATE: **04/24/2012**

SUBJECT: **Rubber Type Gaskets**

Section 707, Joint Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-707.04--Rubber Type Gaskets for Joining Conduit. In the first sentence of Subsection 707.04 on page 636, delete the reference to "AASHTO Designation: M 315" and substitute "ASTM Designation: C 443".

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-707-5 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Joint Materials

Section 707, Joint Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-707.02.1.3--Concrete Joint Sealer Compound - Hot-Poured Elastic Type. In the first paragraph of Subsection 707.02.1.3 on page 633, delete "AASHTO Designation: M 173" and replace with "AASHTO Designation: M 324 for Type I Joint and Crack Sealant".

Delete in toto Subsection 707.02.1.5 on pages 634 and 635 and substitute:

907-707.02.1.5--Backer Rod for Use with Hot and Cold Poured Joint Sealer. The backer rod shall be a closed-cell foam rod made from polyethylene, polyolefin or similar type material, and shall conform to ASTM Designation: D 5249 with the exception that water absorption shall be determined by ASTM Designation: C 1016, Procedure A. The backer rod shall either be a Type I, for use with either hot or cold poured joint sealers, or a Type 3, for use with cold poured joint sealers only. Open-cell foam rods or open-cell foam rods covered with an impermeable sheath or skin shall not be allowed.

The Contractor shall furnish a three linear foot sample of each shipment and three copies of the manufacturer's certification that the backer rod meets the requirements of this specification.

907-707.04--Rubber Type Gaskets for Joining Conduit. In the first sentence of Subsection 707.04 on page 636, delete the reference to "AASHTO Designation: M 315" and substitute "ASTM Designation: C 443".

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-708-6 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Non-Metal Drainage Structures

Section 708, Non-Metal Structures and Cattlepasses, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-708.02.1.2--Fly Ash. In the first sentence of Subsection 708.02.1.2 on page 639, change "20 percent" to "25%".

907-708.02.1.4--Coarse Aggregate. Delete the last sentence of Subsection 708.02.1.4 on page 639.

907-708.02.3.2--Marking. Delete the second sentence of Subsection 708.02.3.2 on page 640, and substitute the following.

Machine made pipe shall be marked in accordance with one of the following methods: 1) the pipe shall be inscribed on the outside of the pipe and stenciled on the inside of the pipe, or 2) the pipe shall be inscribed on the inside of the pipe, only. All other pipe may be stenciled.

907-708.17--Corrugated Plastic Pipe Culverts.

907-708.17.1--Corrugated Polyethylene Pipe Culverts. Delete the first sentence of the first paragraph of Subsection 708.17.1 on page 645 and substitute the following.

Corrugated polyethylene pipe shall conform to the requirements of AASHTO Designation: M 294, Type S and/or SP, as applicable, and shall have soil tight joints, unless otherwise specified.

Delete the last sentence of the second paragraph of Subsection 708.17.1 on page 645.

After Subsection 708.17.1 on page 645, add the following.

907-708.17.1.1--Inspection and Final Acceptance of Corrugated Polyethylene Pipe Culverts. Approximately 50% of the installed length of corrugated polyethylene pipe shall be inspected for excess deflection no sooner than 30 days after the embankment material over the pipe is placed to the required subgrade elevation or the maximum required fill height. The inspection shall be performed using either electronic deflectometers, calibrated television or video cameras, or a "go, no-go" mandrel that has an effective diameter of 95% of the nominal inside diameter of the pipe.

Pipe found to have deflection values greater than 5% shall be removed and replaced at no cost to the State.

907-708.17.2--Corrugated Poly (Vinyl Chloride) (PVC) Pipe Culverts. Delete the first sentence of the first paragraph of Subsection 708.17.2 on page 645 and substitute the following.

Corrugated poly (vinyl chloride) (PVC) pipe shall conform to the requirements of AASHTO Designation: M 304 and shall have soil tight joints, unless otherwise specified. Non-perforated PVC pipe used in underdrains shall either be manufactured with an ultra-violet light inhibitor or be fully coated with an ultra-violet light inhibitor.

After Subsection 708.17.2 on page 645, add the following.

907-708.17.2.1--Inspection and Final Acceptance of Poly (Vinyl Chloride) (PVC) Pipe Culverts. Approximately 50% of the installed length of PVC pipe shall be inspected for excess deflection no sooner than 30 days after the embankment material over the pipe is placed to the required subgrade elevation or the maximum required fill height. The inspection shall be performed using either electronic deflectometers, calibrated television or video cameras, or a "go, no-go" mandrel that has an effective diameter of 95% of the nominal inside diameter of the pipe.

Pipe found to have deflection values greater than 5% shall be removed and replaced at no cost to the State.

907-708.18--Sewer Pipe Used for Underdrains.

907-708.18.1--General. After the second paragraph of Subsection 708.18.1 on page 645 add the following.

In lieu of the pipe listed in this subsection, pipe meeting the requirements of Subsection 708.19 may also be used for plastic underdrain pipe.

907-708.18.3--Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe. After the first sentence of Subsection 708.18.3 on page 645, add the following.

Non-perforated PVC pipe shall either be manufactured with an ultra-violet light inhibitor or be fully coated with an ultra-violet light inhibitor.

907-708.18.4--Poly (Vinyl Chloride) (PVC) Corrugated Sewer Pipe. Delete the paragraph in Subsection 708.18.4 on page 645 and substitute the following.

This pipe shall conform to the following requirements. For pipe sizes less than or equal to six inches ($\leq$ 6"), the pipe shall be Class PS46 meeting the requirements of AASHTO Designation: M 278. For pipe sizes greater than six inches (> 6"), the pipe shall meet the requirements of AASHTO Designation: M 304. Non-perforated PVC pipe shall either be manufactured with an ultra-violet light inhibitor or be fully coated with an ultra-violet light inhibitor.

Delete Subsection 708.19 on page 645 and substitute the following.

907-708.19--Corrugated Polyethylene Pipe. This pipe shall be high density polyethylene pipe or drainage tubing meet the requirements of AASHTO Designation: M 294, Type S or SP, or AASHTO Designation: M 252, Type S or Type SP, as applicable.

907-708.22.2--Exceptions to AASHTO. Delete the sixth paragraph of Subsection 708.22.2 on page 647.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-709-1 **CODE: (SP)**

DATE: 05/05/2008

SUBJECT: Metal Pipe

Section 709, Metal Pipe, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

After Subsection 709.02 on page 649, add the following:

907-709.02.1--Aluminized Corrugated Metal Culvert Pipe and Pipe Arches. All aluminized metal pipe and arches shall be manufactured from Type 2 corrugated metal pipe and arches in accordance with the requirements of Subsection 709.02.

907-709.03--Bituminous Coated Corrugated Metal pipe and Pipe Arches.

907-709.03.1--Materials. Delete the first sentence of the first paragraph of Subsection 709.03.1 on page 649, and substitute the following:

Bituminous coated corrugated metal pipe and arches shall conform to the requirements of AASHTO Designation: M 190 and be completely coated inside and out with an asphalt cement which will meet the performance requirements hereinafter set forth.

907-709.05--Polymer Coated Corrugated Metal Pipe and Pipe Arches. Delete the first sentence of the first paragraph of Subsection 709.05 on pages 649 and 650, and substitute the following:

Polymer coated corrugated metal pipe and arches shall conform to the requirements of AASHTO Designation: M 245, except the minimum gauge thickness shall be as shown on the plans or in the contract; however, corrugated metal pipe manufactured from sheets thicker than that specified will be acceptable when approved by the Engineer. The internal diameter of corrugated metal pipe will be determined by inside measurement between the crests of the corrugations. Corrugations greater than 3" x 1" will not be allowed in arch pipe.

907-709.06--Corrugated Metal Pipe for Underdrains. Delete the sentence in Subsection 709.06 on page 650, and substitute the following:

Corrugated metal pipe shall conform to AASHTO Designation: M 36, Type III. Type I pipe which has been perforated to permit the in-flow or out-flow of water may be used in lieu of Type III pipe.

907-709.06.1--Aluminized Corrugated Metal Culvert Pipe For Underdrains. All aluminized corrugated metal pipe for underdrains shall be manufactured from Type 2 corrugated metal pipe

and arches in accordance with the requirements of AASHTO Designation: M 36, Type III. Manufacturer must repair any damaged coating caused from perforating the pipe.

907-709.07--Bituminous Coated Corrugated Metal Pipe for Underdrains. Delete the sentence in Subsection 709.07 on page 650, and substitute the following:

Bituminous coated corrugated metal pipe shall conform to the requirements of AASHTO Designation: M 190, Type A with a bituminous coating applied in accordance with the requirements of Subsection 709.03. Manufacturer must repair any damaged coating caused from perforating the pipe.

907-709.08--Polymer Coated Corrugated Metal Pipe for Underdrains. Delete the sentence in Subsection 709.08 on page 650, and substitute the following:

The metal pipe for underdrains shall conform to the requirements of AASHTO Designation: M 245, Type III and the polymer coating shall conform to the requirements of Subsection 709.05. Type I pipe which has been perforated to permit the in-flow or out-flow of water may be used in lieu of Type III pipe. Manufacturer must repair any damaged coating caused from perforating the pipe.

907-709.09--Corrugated Aluminum Alloy Culvert Pipe and Arches. Delete the first sentence in Subsection 709.09 on page 650, and substitute the following:

Corrugated aluminum culvert pipe and arches shall conform to the requirements of AASHTO Designation: M 196, Type IA.

907-709.10--Corrugated Aluminum Alloy Pipe for Underdrains. Delete the first sentence in Subsection 709.10 on page 650, and substitute the following:

Corrugated aluminum pipe underdrains shall conform to the requirements of AASHTO Designation: M 196, Type III. Type I pipe which has been perforated to permit the in-flow or out-flow of water may be used in lieu of Type III pipe.

907-709.11--Bituminous Coated Corrugated Aluminum Alloy Culvert Pipe and Arches. Delete the sentence in Subsection 709.11 on page 650, and substitute the following:

Bituminous coated aluminum culvert pipe and arches shall conform to AASHTO Designation: M 196, Type IA, and in addition shall be coated inside and out as specified in Subsection 709.03. Manufacturer must repair any damaged coating caused from perforating the pipe.

907-709.13--Bituminous Coated Corrugated Aluminum Alloy Pipe for Underdrains. Delete the sentence in Subsection 709.13 on page 650, and substitute the following:

This pipe shall conform to AASHTO Designation: M 196, Type III, and shall be coated with bituminous material conforming to AASHTO Designation: M 190, type coating as specified. Manufacturer must repair any damaged coating caused from perforating the pipe.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-711-4 **CODE: (IS)**

DATE: **06/26/2009**

SUBJECT: **Synthetic Structural Fiber Reinforcement**

Section 711, Reinforcement and Wire Rope, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

After Subsection 711.03.4.3 on page 665, add the following:

907-711.04--Synthetic Structural Fiber. The synthetic structural fibers shall be approved for listing in the Department's "Approved Sources of Materials" prior to use. The synthetic structural fibers shall be added to the concrete and mixed in accordance with the manufacturer's recommended methods.

907-711.04.1--Material Properties. The fibers shall meet the requirements of ASTM Designation: C 1116, Section 4.1.3. The fibers shall be made of polypropylene, polypropylene/polyethylene blend, nylon, or polyvinyl alcohol (PVA).

907-711.04.2--Minimum Dosage Rate. The dosage rate shall be such that the average residual strength ratio ($R_{150,3.0}$) of fiber reinforced concrete beams is a minimum of 20.0 percent when the beams are tested in accordance with ASTM Designation: C 1609. The dosage rate for fibers shall be determined by the following.

The fiber manufacturer shall have the fibers tested by an acceptable, independent laboratory acceptable to the Department and regularly inspected by the Cement and Concrete Reference Laboratory of the National Institutes of Standards and Technology and approved to perform ASTM Designations: C 39, C 78, and C192.

The laboratory shall test the fibers following the requirements of ASTM Designation: C 1609 in a minimum of three (3) test specimens cast from the same batch of concrete, molded in 6 x 6 x 20-inch standard beam molds meeting the requirements of ASTM Designation: C 31. The beams shall be tested on an 18-inch span. The tests for $R_{150,3.0}$ shall be performed when the average compressive strength of concrete used to cast the beams is between 3500 and 4500 psi. The tests for compressive strength shall follow the requirements of ASTM Designation: C 39. The average compressive strength shall be determined from a minimum of two (2) compressive strength cylinders.

The value for $R_{150,3}$ shall be determined using the following equation:

$$R_{150,3.0} = \frac{f_{150,3.0}}{f_1} \times 100$$

The residual flexural strength ($f_{150,3.0}$) shall be determined using the following equation:

$$f_{150,3.0} = \frac{P_{150,3.0} \times L}{b \times d^2}$$

where:

$f_{150,3.0}$ is the residual flexural strength at the midspan deflection of $L/150$, (psi),
$P_{150,3.0}$ is the residual load capacity at the midspan deflection of $L/150$, (lbf),
L is the span, (in),
b is the width of the specimen at the fracture, (in), and
d is the depth of the specimen at the fracture, (in).

For a 6 x 6 x 20-inch beam, the $P_{150,3.0}$ shall be measured at a midspan deflection of 0.12 inch.

Additionally, $R_{150,3.0}$, $f_{150,3.0}$, and $P_{150,3.0}$ may also be referred to as R_{150}^{150}, f_{150}^{150}, and P_{150}^{150} respectively.

At the dosage rate required to achieve the minimum $R_{150,3}$, the mixture shall both be workable and the fibers shall not form clumps.

The manufacturer shall submit to the State Materials Engineer certified test reports from the independent laboratory showing the test results of each test specimen.

907-711.04.3--Job Control Requirements. The synthetic structural fibers shall be one from the Department's "Approved Sources of Materials."

At the required dosage rate, the mixture shall both be workable and the fibers shall not form clumps to the satisfaction of the Engineer. If the mixture is determined by the Engineer to not be workable or have clumps of fibers, the mixture may be rejected.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-713-3 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Admixtures for Concrete

Section 713, Concrete Curing Materials and Admixtures, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

After the second paragraph of Subsection 713.01.2 on page 676, add the following.

Type 1-D compound may be used on bridge rails, median barriers, and other structures requiring a spray finish. When Type 1-D compound is used, it will be the responsibility of the Contractor to assure that the compound has dissipated from the structure prior to applying the spray finish and that the spray finish adheres soundly to the structure.

Delete Subsection 713.02 on pages 676 & 677, and substitute the following.

907-713.02--Admixtures for Concrete. Air-entraining admixtures used in Portland cement concrete shall comply with AASHTO Designation: M 154. Set-retarding, accelerating, and/or water-reducing admixtures shall comply with AASHTO Designation: M 194. Water-reducing admixture shall meet the minimum requirements for Type A. Set-retarding admixtures shall meet the minimum requirements for Type D. Admixtures providing a specific performance characteristic(s) other than those of water reduction or set retardation shall meet the minimum requirements for Type S. For admixtures meeting the requirements for Type S, the manufacturer shall provide data to substantiate the specific performance characteristic(s) to the satisfaction of the State Materials Engineer.

In order to obtain approval of an admixture, the State Materials Engineer shall have been furnished certified test reports, made by an acceptable independent laboratory regularly inspected by the Cement and Concrete Reference Laboratory of the National Institutes of Standards and Technology, which show that the admixture meets all the requirements of the applicable AASHTO Standard Specification.

The Department reserves the right to sample, for check tests, any shipment or lot of admixture delivered to a project.

The Department reserves the right to require tests of the material to be furnished, using the specific cement and aggregates proposed for use on the project, as suggested in AASHTO Designation: M 154 and outlined in AASHTO Designation: M 194.

After an admixture has been approved, the Contractor shall submit to the State Materials Engineer, with each new lot of material shipped, a certification from the manufacturer in accordance with the requirements of Subsection 700.05.1 and stating the material is of the same

composition as originally approved and has not been changed or altered in any way. The requirement in Subsection 700.05.1(b) is not required on the certification from the manufacturer.

Admixtures containing chlorides will not be permitted.

Failure to maintain compliance with any requirement of these specifications shall be cause for rejection of any previously approved source or brand of admixture.

Admixtures shall only be used in accordance with the manufacturer's recommended dosage range as set forth in the manufacturer's approval request correspondence. When an admixture is used in Portland cement concrete, it shall be the responsibility of the Contractor to produce satisfactory results.

907-713.02.1--Source Approval. In order to obtain approval of an admixture, the Producer/Suppliers shall submit to the State Materials Engineer the following for review: certified test reports, made by an acceptable independent laboratory regularly inspected by the Cement and Concrete Reference Laboratory of the National Institutes of Standards and Technology, which show that the admixture meets all the requirements of the applicable AASHTO or Department Specification for the specific type and the dosage range for the specific type of admixture.

907-713.02.2--Specific Requirements. Admixtures containing chlorides will not be permitted.

907-713.02.3--Acceptance. The Department reserves the right to sample, for check tests, any shipment or lot of admixture delivered to a project.

The Department reserves the right to require tests of the material to be furnished, using the specific cement and aggregates proposed for use on the project, as suggested in AASHTO Designation: M 154 and outlined in AASHTO Designation: M 194.

Failure to maintain compliance with any requirement of these specifications shall be cause for rejection of any previously approved source or brand of admixture.

With each new lot of material shipped the Contractor shall submit to the State Materials Engineer, a notarized certification from the manufacturer showing that the material complies with the requirements of the applicable AASHTO or Department Specification.

When an admixture is used, it shall be the responsibility of the Contractor to produce satisfactory results.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-714-8 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Miscellaneous Materials

Section 714, Miscellaneous Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-714.05--Fly Ash. Delete Subsections 714.05.1 & 714.05.2 on pages 680 & 681, and substitute the following.

907-714.05.1--General. The fly ash source must be approved for listing in the Department's "Approved Sources of Materials" prior to use. The acceptance of fly ash shall be based on certified test reports, certification of shipment from the supplier, and tests performed on samples obtained after delivery in accordance with the Department's Materials Division Inspection, Testing, and Certification Manual and Department SOP.

Different classes of fly ash or different sources of the same class shall not be mixed or used in the construction of a structure or unit of a structure without written permission from the Engineer.

The Contractor shall provide suitable means for storing and protecting the fly ash from dampness. Separate storage silos, bins, or containers shall be provided for fly ash. Fly ash which has become partially set or contains lumps of caked fly ash shall not be used.

The temperature of the bulk fly ash shall not be greater than 165°F at the time of incorporation into the work.

All classes of fly ash shall meet the supplementary option chemical requirement for available alkalies listed in AASHTO Designation: M 295, Table 2. Class F fly ash shall have a calcium oxide (CaO) content of less than 6.0%. Class C fly ash shall have a CaO content of greater than or equal to 8.0%.

The replacement of Portland cement with fly ash shall be in accordance with the applicable replacement content specified in Subsection 907-701.02.2.

In addition to these requirements, fly ash shall meet the following specific requirements for the intended use.

907-714.05.2--Fly Ash for Use in Concrete. When used with Portland cement in the production of concrete or grout, the fly ash shall meet the requirements of AASHTO Designation: M 295, Class C or F, with the following exception:

The loss on ignition shall not exceed 6.0 percent.

No additional cementitious materials, such as blended hydraulic cement, GGBFS, metakaolin, or others, shall be added to or as a replacement for Portland cement when used with fly ash.

907-714.06--Ground Granulated Blast Furnace Slag (GGBFS). Delete Subsection 714.06.1 on page 681, and substitute the following.

907-714.06.1--General. The GGBFS source must be approved for listing in the Department's "Approved Sources of Materials" prior to use. The acceptance of GGBFS shall be based on certified test reports, certification of shipment from the supplier, and tests performed on samples obtained after delivery in accordance with the Department's Materials Division Inspection, Testing, and Certification Manual and Department SOP.

The Contractor shall provide suitable means for storing and protecting the GGBFS against dampness and contamination. Separate storage silos, bins, or containers shall be provided for GGBFS. GGBFS which has become partially set, caked or contains lumps shall not be used.

The State Materials Engineer shall be notified in writing of the nature, amount and identity of any processing or other additions made to the GGBFS during production.

GGBFS from different mills shall not be mixed or used alternately in any one class of construction or structure without written permission from the Engineer; except that this requirement will not be applicable to cement treatment of design soils or bases.

No additional cementitious materials, such as blended hydraulic cement, fly ash, metakaolin, or others, shall be added to or as a replacement for Portland cement when used with GGBFS in the production of concrete. The replacement of Portland cement with GGBFS shall be in accordance with the applicable replacement content specified in Subsection 907-701.02.2.

Delete Subsection 714.07 on page 682, and substitute the following.

907-714.07--Additional Cementitious Materials.

907-714.07.1--Metakaolin.

907-714.07.1.1--General. Metakaolin shall only be used as a supplementary cementitious material in Portland cement concrete for compliance with the requirements for cementitious materials exposed to soluble sulfate conditions. Metakaolin from different sources shall not be mixed or used alternately in any one class of construction or structure without written permission from the Engineer. No additional cementitious materials, such as blended hydraulic cement, fly ash, GGBFS, or others, shall be added to or as a replacement for Portland cement when used with metakaolin in the production of concrete.

The State Materials Engineer shall be notified in writing of the nature, amount and identity of any processing, or other additions made to the metakaolin during production.

907-714.07.1.2--Source Approval. The approval of each metakaolin source shall be on a case

by case basis as determined by the State Materials Engineer. In order to obtain approval of a metakaolin source, the Producer/Suppliers shall submit to the State Materials Engineer the following for review: certified test reports, made by an acceptable, independent laboratory regularly inspected by the Cement and Concrete Reference Laboratory of the National Institutes of Standards and Technology, which show that the metakaolin meets all the requirements of AASHTO Designation: M295, including the Effectiveness in contributing to sulfate resistance, Procedure A, listed in AASHTO Designation: M295, Table 4 for Supplementary Optional Physical Requirements, and other requirements listed herein.

In order to demonstrate effectiveness in contributing to sulfate resistance, included in this test data shall be results of metakaolin from the proposed source tested in accordance with ASTM Designation: C 1012. There shall be two sets of test specimens per the following:

a. One set of test specimens shall be prepared using a Type I Portland cement meeting the requirements of AASHTO Designation: M85 and having a tricalcium aluminate (C_3A) content of more than 8.0%,

b. One set of test specimens shall be prepared using a Type II Portland cement meeting the requirements of AASHTO Designation: M85.

c. The proposed metakaolin shall be incorporated at the rate of 10% cement replacement in each set of test specimens and shall meet both of the acceptance criteria listed below for source approval.

The requirement for acceptance of the test sample using Type I Portland cement is an expansion of 0.10% or less at the end of six months. The requirement for acceptance of the test sample using Type II Portland cement is an expansion of 0.05% or less at the end of six months.

907-714.07.1.3--Storage. The Contractor shall provide suitable means for storing and protecting the metakaolin against dampness and contamination. Metakaolin which has become partially set, caked, or contains lumps shall not be used.

907-714.07.1.4--Specific Requirements. Metakaolin shall meet the requirements of AASHTO Designation: M 295, Class N with the following modifications:

1. The sum of $SiO_2 + Al_2O_3 + Fe_2O_3$ shall be at least 85%. The Material Safety Data Sheet shall indicate that the amount of crystalline silica, as measured by National Institute of Occupation Safety and Health (NIOSH) 7500 method, after removal of the mica interference, is less than 1.0%.
2. The loss on ignition shall be less than 3.0%.
3. The available alkalies, as equivalent Na_2O, shall not exceed 1.0%.
4. The amount of material retained on a No. 325 mesh sieve shall not exceed 1.0%.
5. The strength activity index at seven (7) days shall be at least 85%.

907-714.07.1.5--Acceptance. With each new lot of material shipped the Contractor shall submit to the State Materials Engineer a certified test report from the manufacturer showing that the material meets the requirements AASHTO Designation: M295, Class N and the requirements of this Subsection.

The Department reserves the right to sample, for check tests, any shipment or lot of metakaolin delivered to a project.

907-714.07.2--Silica Fume.

907-714.07.2.1--General. Silica fume shall only be used as a supplementary cementitious material in Portland cement concrete for compliance with the requirements for cementitious materials exposed to soluble sulfate conditions. Silica fume from different sources shall not be mixed or used alternately in any one class of construction or structure without written permission from the Engineer. No additional cementitious materials, such as blended hydraulic cement, performance hydraulic cement, fly ash, GGBFS, or others, shall be added to or as a replacement for Portland cement when used with silica fume in the production of concrete.

The State Materials Engineer shall be notified in writing of the nature, amount and identity of any processing, or other additions made to the silica fume during production.

907-714.07.2.2--Source Approval. The approval of each silica fume source shall be on a case by case basis as determined by the State Materials Engineer. In order to obtain approval of a silica fume source, the Producer/Suppliers shall submit to the State Materials Engineer the following for review: certified test reports, made by an acceptable, independent laboratory regularly inspected by the Cement and Concrete Reference Laboratory of the National Institutes of Standards and Technology, which show that the silica fume meets all the requirements of AASHTO Designation: M307, Table 3, including the Sulfate resistance expansion, listed in the table for Optional Physical Requirements, and other requirements listed herein.

In order to demonstrate effectiveness in contributing to sulfate resistance, included in this test data shall be results of silica fume from the proposed source tested in accordance with ASTM Designation: C 1012. There shall be two sets of test specimens per the following:

a. One set of test specimens shall be prepared using a Type I Portland cement meeting the requirements of AASHTO Designation: M85 and having a tricalcium aluminate (C_3A) content of more than 8.0%,

b. One set of test specimens shall be prepared using a Type II Portland cement meeting the requirements of AASHTO Designation: M85.

c. The proposed silica fume shall be incorporated at the rate of 8% cement replacement in each set of test specimens and shall meet both of the acceptance criteria listed below for source approval.

The requirement for acceptance of the test sample using Type I Portland cement is an expansion of 0.10% or less at the end of six months. The requirement for acceptance of the test sample using Type II Portland cement is an expansion of 0.05% or less at the end of six months.

907-714.07.2.3--Storage. The Contractor shall provide suitable means for storing and protecting the silica fume against dampness and contamination. Silica fume which has become partially set, caked, or contains lumps shall not be used.

907-714.07.2.4--Acceptance. With each new lot of material shipped, the Contractor shall submit to the State Materials Engineer a certified test report from the manufacturer showing that the material meets the Chemical and Physical Requirements of AASHTO Designation: M307.

The Department reserves the right to sample, for check tests, any shipment or lot of silica fume delivered to a project.

Delete Subsection 714.11.6 on pages 690 and 691, and substitute the following.

907-714.11.6--Rapid Setting Cementitious Patching Compounds for Concrete Repair. Rapid setting concrete patching compounds must be approved for listing in the Department's "Approved Sources of Materials" prior to use. Upon approval, a product must be recertified every four (4) years to remain on the "Approved Sources of Materials" list. Each product shall be pre-measured and packaged dry by the manufacturer. All liquid solutions included by the manufacturer as components of the packaged material shall be packaged in a watertight container. The manufacturer may include aggregates in the packaged material or recommend the addition of Contractor furnished aggregates.

The type, size and quantity of aggregates, if any, to be added at the job site shall be in accordance with the manufacturer's recommendations and shall meet the requirements of Subsection 703.02 for fine aggregate and Subsection 703.03 for coarse aggregate. Required mixing water to be added at the job site shall meet the requirements of Subsection 714.01.2.

Only those bonding agents, if any, recommended by the manufacturer of the grout or patching compounds may be used for increasing the bond to old concrete or mortar surfaces.

Patching compounds containing soluble chlorides will not be permitted when in contact with steel.

Site preparation, proportioning of materials, mixing, placing and curing shall be performed in accordance with the manufacturer's recommendation for the specific type of application, and the Contractor shall furnish a copy of these recommendations to the Engineer.

Rapid setting cementitious concrete patching compounds, including components to be added at the job site, shall conform to the following physical requirements:

Non-shrink cementitious grouts shall not be permitted for use.

Compressive strength shall equal or exceed 3000 psi in 24 hours in accordance with ASTM C 928 for Type R2 concrete or mortar.

Bond strength shall equal or exceed 1000 psi in 24 hours in accordance with ASTM C 928 for Type R2 concrete or mortar.

The material shall have a maximum length change of ±0.15% in accordance with ASTM C 928 for Type R2 concrete or mortar.

The Contractor shall furnish to the Engineer three copies of the manufacturer's certified test report(s) showing results of all required tests and certification that the material meets the specifications when mixed and place in accordance with the manufacturer's instructions. When the mixture is to be placed in contact with steel, the certification shall further state that the packaged material contains no chlorides. Certified test report(s) and certification shall be furnished for each lot in a shipment.

The proportioning of materials must be approved by the State Materials Engineer and any subsequent change in proportioning must also be approved. A sample of each component shall be submitted to the Engineer along with the quantity or percentage of each to be blended. At least 45 days must be allowed for initial approval.

The proportioning of materials for subsequent lots may be approved by the State Materials Engineer upon receipt of certification from the manufacturer that the new lot of material is the same composition as that originally approved by the Department and that the material has not been changed or altered in any way.

907-714.11.7--Commercial Grout for Anchoring Doweled Tie Bars in Concrete. Before Subsection 714.11.7.1 on page 691, add the following.

Approved Non-"Fast Set" Epoxy anchor systems as specified below may be used for the repair of concrete pavements that do not involve permanent sustained tension applications or overhead applications.

"***Fast Set Epoxy***" may not be used for any Adhesive Anchor Applications. Adhesive Anchor Systems (Fast Set epoxy or otherwise) shall not be used for permanent sustained tension applications or overhead applications. "Fast Set Epoxy" refers to an epoxy produced by the Sika Corporation called Sikadur AnchorFix-3 and repackaged for sale under a variety of names/companies listed at the Federal Highway Administration web site at the following link:

http://www.fhwa.dot.gov/Bridge/adhesives.cfm

907-714.11.7.4--Acceptance Procedure. After the last sentence of the first paragraph of Subsection 714.11.4 on page 691, add the following.

Upon approval, a product must be recertified every four (4) years to remain on the "Approved Sources of Materials" list.

907-714.11.8--Epoxy Joint Repair System.

907-714.11.8.1--General. After the last sentence of the first paragraph of Subsection 714.11.8.1 on page 692, add the following.

Upon approval, a product must be recertified every four (4) years to remain on the "Approved Sources of Materials" list.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-715-4 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Roadside Development Materials

Section 715, Roadside Development Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-715-02.2.1--Agricultural Limestone. Delete the first sentence of Subsection 715-02.2.1 on page 704 and substitute the following.

Agricultural limestone shall be either a hard-rock limestone material or a marl or chalk agricultural liming material as addressed in the latest amendment to the Mississippi Agricultural Liming Material Act of 1993, published by the Mississippi Department of Agriculture and Commerce.

907-715.02.2.1.1--Screening Requirements. Delete the first sentence of Subsection 715.02.2.1.1 on page 704.

Delete Subsection 715.02.2.1.2 on page 704 and substitute the following.

907-715-02.2.1.2--Calcium Carbonate Equivalent. Marl or chalk liming material shall not have less than 70% calcium and magnesium carbonate calculated as calcium carbonate equivalent when expressed on a dry weight basis.

907-715-02.2.1.3--Neutralizing Values. Hard-rock limestone material shall have a minimum Relative Neutralizing Value (RNV) of 63.0%, which is determined as follows.

% RNV = CCE x (% passing #10 mesh + % passing #50 mesh)/2

Where: CCE = Calcium Carbonate Equivalent

907-715.03--Seed.

907-715.03.2--Germination and Purity Requirements. Add the following to Table B on page 705.

Name (Kind)	Name (Variety)	Percent Germination	Percent Purity
GRASSES			
Rye Grass	Annual	80	98
Wheat	-	80	98

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-720-2 **CODE: (IS)**

DATE: 05/01/2013

SUBJECT: Pavement Marking Materials

Section 720, Pavement Marking Materials, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-720.01--Glass Beads. After the first sentence of Subsection 720.01 on page 729, add the following.

The glass beads shall contain no more than 200 ppm (mg/kg) total concentration for lead, arsenic, or antimony. The manufacture shall furnish the Engineer with a certified test report indicating that the glass beads meet the above requirement.

907-720.02--Thermoplastic Pavement Markings. Delete the first paragraph of Subsection 720.02 on page 730 and substitute the following.

The thermoplastic material shall be lead free and conform to AASHTO Designation: M 249 except the glass beads shall be moisture resistant coated.

After the first sentence of the second paragraph of Subsection 720.02 on page 730, add the following.

In addition, the certification for the thermoplastic material shall state that the material is lead free.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-804-13

DATE: 04/23/2013

SUBJECT: Concrete Bridges And Structures

After the second paragraph of Subsection 907-804.02.10 on page 2, add the following.

After the first paragraph of Subsection 804.02.10 on page 850, add the following.

If the Contractor chooses to cure the concrete in accordance with the requirements listed under **Length of Time Defined by Development of Compressive Strength** in Subsection 907-804.03.17, the compressive strength/maturity relationship shall be developed for the mixture design for a minimum of 28 days following the requirements of Subsection 907-804.03.15. The compressive strength/maturity relationship information shall be submitted with the mixture design information.

In the ** Note of Subsection 907-804.02.10 on page 2, delete "metakaolin" from the list of other cementitious materials.

After the first sentence of the last paragraph of Subsection 907-804.02.10 on page 3, add the following.

Mixture designs containing accelerating admixtures will not be approved. Admixtures providing a specific performance characteristic other than those of water reduction or set retardation may be used in accordance with the manufacturer's recommended dosage range.

After Subsection 907-804.02.10.1.1 on page 3, add the following.

907-804.02.10.1.2--Proportioning on the Basis of Laboratory Trial Mixtures. Delete subparagraph d) of Subsection 804.02.10.1.2 on pages 852 & 853, and substitute the following.

d) For each proposed mixture, at least three compressive test cylinders shall be made and cured in accordance with AASHTO Designation: T 126. Each change of water-cementitious ratio shall be considered a new mixture. The cylinders shall be tested for strength in accordance with AASHTO Designation: T 22 and shall be tested at 28 days.

After Subsection 907-804.02.10.3 on page 4, add the following.

After Subsection 804.02.10.3 on page 853, add the following.

907-804.02.10.3.1--Slump Retention of Class DS Concrete Mixture Designs. Prior to concrete placement, the Contractor shall provide test results of a slump loss test using approved methods to demonstrate that the mixture meets the four hour requirement in Subsection 907-803.02.7.1. These tests shall be conducted successfully by an approved testing laboratory within

30 days prior to installation of the trial shaft, with personnel from the Department's Central Laboratory present. The slump loss test shall be conducted at temperatures and conditions similar to those expected at the job site at the time of the installation of the trial shaft. The sample for the slump loss test shall be from a minimum batch size of four cubic yards of concrete. If the time between the previous successful slump loss test and the installation of the trial shaft exceeds 30 days, another successful slump loss test shall be performed on the first truckload of concrete as part of the installation of the trial shaft. This requirement limiting the time between the previous slump loss test and an installation of the trial shaft also applies to Class DS concrete mixture designs being transferred from another project. During any shaft installation a slump loss test shall be conducted by the Contractor at the direction of the Engineer from the concrete at the site for verification of slump loss requirements using a sample from a minimum batch size of four cubic yards of concrete.

Before Subsection 907-804.02.12.3 on page 5, add the following.

907-804.02.12.1.1--Elements of Plan. After item 3) in Subsection 804.02.12.1.1 on page 855, add the following.

4) Job Site Batch Adjustments by Addition of Chemical Admixtures:

   The Plan shall address if the Contractor intends to adjust either the slump and/or total air content of a batch on the job site by adding chemical admixture(s) to a batch. The Contractor shall include the names of the personnel designated to perform this batch adjustment, the equipment used to add the chemical admixture(s), and the procedure by which the batch adjustment will be accomplished. Only the Contractor's designated personnel shall adjust a batch. Only calibrated dispensing equipment shall be used to add chemical admixture(s) to a batch. Only the procedure described in section of the Plan shall be utilized.

   If the maximum permitted slump or total air content is exceeded after the addition of admixtures at the job site, the concrete shall be rejected.

   If the Contractor elects to utilize Job Site Batch Adjustments by Addition of Chemical Admixture within Item 2, Procedures for Corrective Actions for Non Compliance of Specifications, to adjust batches which do not meet the minimum specification requirements for slump and/or total air content, no more than three batches on any one project shall be allowed to be adjusted.

5) Construction of Concrete Bridge Decks, including the following:

   - the description of the equipment used for placing concrete on the bridge deck in accordance with Subsection 907-804.03.6 and, as applicable, Subsections 907-804.03.7 and 907-804.03.8 including any accessories added to the pump to ensure the entrained air in the concrete mixture remains entrained during pumping and depositing of the concrete mixture,
   - the description of and the number of pieces of equipment used to consolidate the concrete in accordance with Subsection 907-804.03.6.2,

- the description of the equipment used to finish the bridge deck in accordance with Subsection 907-804.03.19.7,
- the plan for ensuring a continuous rate of finishing the bridge deck without delaying the application of curing materials within the time specified in Subsection 907-804.03.17, including ensuring a continuous supply of concrete throughout the placement with an adequate quantity of concrete to complete the deck and filling diaphragms and end walls in advance of deck placement,
- the plan for applying the curing materials within the time specified in Subsection 907-804.03.17,
- the description of the powered fogging equipment in accordance with Subsection 907-804.03.17,
- a sample of the documentation used as the daily inspection report for ensuring maintenance of the continuous wet curing in accordance with Subsection 907-804.03.17, as required,
- the description of the equipment used to apply the liquid membrane, including but not limited to, the nozzles, pumping/pressurization equipment, and liquid membrane tanks, in accordance with Subsection 907-804.03.17,
- the method for determining the rate of applied liquid membrane meets the application rate requirements in accordance with Subsection 907-804.03.17,
- a sample of the documentation used for the application rate verification of the liquid membrane in accordance with Subsection 907-804.03.17.

After Subsection 907-804.03.6.2 on page 7, add the following.

907-804.03.8--Pumping Concrete. Delete the second paragraph of Subsection 804.03.8 on page 866, and substitute the following.

Where concrete mixture is conveyed and placed by mechanically applied pressure (pumping), the equipment shall be suitable in kind and adequate in capacity for the work. The Contractor shall select concrete mixture proportions such that the concrete mixture is pumpable and placeable with the selected equipment.

The pumping equipment shall be thoroughly cleaned prior to concrete placement. Excess form release agent shall be removed from the concrete pump hopper. The Contractor shall prime the pump at no additional cost to the Department by pumping and discarding enough concrete mixture to produce a uniform mixture exiting the pump. At least 0.25 cubic yard of concrete mixture shall be pumped and discarded to prime the pump. This shall be accomplished by using the pump to fill a commercially-available six (6) cubic foot wheelbarrow to overflowing or filling a commercially-available eight (8) cubic foot wheel barrow to level. Only concrete mixture shall be added directly into the concrete pump hopper after placement has commenced. If anything other than concrete mixture is added to the concrete pump hopper, all concrete mixture in the concrete pump hopper and pump line shall be discarded and the pump re-primed at no additional cost to the Department.

The discharge end of the pump shall be of such a configuration that the concrete does not move in the pump line under its own weight. The intent of this requirement is to ensure that entrained air in the concrete mixture remains entrained during pumping and depositing the concrete mixture. This shall be accomplished with one or both of the following:

- a minimum 10-foot flexible hose attached to the discharge end of a steel reducer having a minimum length of three (3) feet and a minimum reduction in area of 20% which is attached to the discharge end of the pump line, or
- a flexible reducing hose to the discharge end of the pumpline with a minimum reduction in area of 20% over a minimum 10-foot hose length.

Regardless of the configuration chosen, the Contractor shall ensure that the concrete is pumped and does not free-fall more than five (5) feet within the entire length of pump line and after discharge from the end of pump line.

The Contractor shall not have any type of metal elbow, metal pipe, or other metal fitting within five (5) feet of any person during discharge of concrete mixture.

Boom pumps shall have a current Concrete Pump Manufacturers Association's ASME/ANSI B30.27 certification. Equipment added to the boom and pump line shall meet the pump manufacturer's specifications and shall not exceed the manufacturer's maximum recommended weight limit for equipment added to the boom and pump line.

The operation of the pump shall be such that a continuous stream of concrete without air pockets is produced. When pumping is completed, the concrete remaining in the pipe line, if it is to be used, shall be ejected in such a manner that there will be no contamination of the concrete or separation of the ingredients. After this operation, the entire equipment shall be thoroughly cleaned.

Before Subsection 907-804.03.15 on page 7, add the following.

907-804.03.14.2--Stay-In-Place Metal Forms. Delete the sentence in Subsection 804.03.14.2 on page 871 and substitute the following.

Stay-in-place (SIP) metal forms are corrugated metal sheets permanently installed between the supporting superstructure members. After the concrete has cured, these forms shall remain in place as permanent, non-structural members of the bridge.

Pay quantities for bridge deck concrete will be computed from the dimensions shown in the Contract Plans with no allowance for changes in deflection and /or changes in dimensions necessary to accommodate the SIP metal forms.

There will be no direct payment for the cost of the forms and form supports, or any material, tools, equipment, or labor incidental thereto, but the cost shall be considered absorbed in the contract unit price for bridge deck concrete.

Before fabricating any material, three (3) complete sets of SIP metal form shop drawings and design calculations, bearing the Design Engineer's Seal, shall be submitted to the Director of Structures, State Bridge Engineer, through the Project Engineer, for review. The Contractor's SIP metal form Design Engineer shall be a MS Registered Professional Engineer who is knowledgeable in the field of structural design.

In no case shall additional dead load produced by the use of SIP metal forms overstress any bridge component. Design calculations shall indicate any additional dead load from SIP metal form self-weight, form support hangers, concrete in flutes, concrete due to form deflection, etc. not included in the Contract Plans. The additional dead loads shall be clearly labeled and tabulated on the shop drawings. Bridge Division will evaluate the additional load for overstress of the bridge components. In the event that the additional dead load produces an overstress in any bridge component, Bridge Division will reject the Contractor's design. Deflection and loads produced by deflection of the SIP metal forms shall be considered and indicated in the design calculations.

The cambers and deflections provided in the Contract Plans do not consider the effects of SIP metal forms. The Contractor's Engineer shall take into account the weight of the forms and any additional dead load when developing the "Bridge Superstructure Construction Plan".

For the purpose of reducing any additional dead load produced by the SIP metal forms, the flutes of SIP metal forms may be filled with polystyrene foam. When polystyrene foam is used to fill the forms, the form flutes shall be filled completely; no portion of the polystyrene foam shall extend beyond the limits of the flutes. The Contractor shall ensure that the polystyrene foam remains in its required position within flutes during the entire concrete placement process. The Contractor shall not use reinforcing steel supports or other accessories in such a manner as to cause damage to the polystyrene foam. All damaged polystyrene foam shall be replaced to the satisfaction of the Project Engineer. All welding of formwork shall be completed prior to placement of polystyrene foam.

For bridges not located in horizontal curves, the Contractor may reduce the additional dead load by matching the flute spacing with the transverse steel spacing of the bottom layer. The bottom longitudinal layer of steel shall have one (1) inch of minimum concrete cover measured from the bottom of the reinforcing to the top of the flute. The Contractor will not be allowed to vary the reinforcing steel spacing or size from the Contract Plans for the purpose of matching flute spacing.

907-804.03.14.2.1--Materials. SIP metal forms and supports shall meet the requirements of ASTM Designation: A653 having a coating designation G165. Form materials that are less than 0.03-inch uncoated thickness shall not be allowed.

907-804.03.14.2.2--Certification. The Contractor shall provide written certification from the manufacturer stating the product meets the requirements of this specification to the Project Engineer along with the delivery of the coated forms to the job site.

All welds shall be performed by certified welders meeting the requirements of the approved shop drawings.

907-804.03.14.2.3--Polystyrene Foam. The polystyrene foam shall be comprised of expanded polystyrene manufactured from virgin resin of sufficient density to support the weight of concrete without deformation. The polystyrene foam shall be extruded to match the geometry of the flutes and provide a snug fit. The polystyrene foam shall have a density of not less than 0.8 pounds per cubic foot. The polystyrene foam shall have water absorption of less than 2.6% when tested according to ASTM Designation: C272. The Contractor shall provide written certification

from the manufacturer stating the polystyrene foam product meets the requirements of this specification to the Project Engineer along with the delivery of the coated forms to the job site.

907-804.03.14.2.4--Design. The design of the SIP metal forms shall meet the following criteria.

1. The maximum self-weight of the stay in place metal forms, plus the weight of the concrete or expanded polystyrene required to fill the form flutes (where used), shall not exceed 20 psf.

2. The forms shall be designed on the basis of dead load of form, reinforcement, and plastic concrete plus 50 pounds per square foot for construction loads. The design shall use a unit working stress in the steel sheet of not more than 0.725 of the specified minimum yield strength of the material furnished, but not to exceed 36,000 psi.

3. Deflection under the weight of the forms, reinforcement, and plastic concrete shall not exceed 1/180 of the form span or 1/2 inch, whichever is less, for form spans of 10 feet or less, or 1/240 of the form span or 3/4 inch, whichever is less, for form spans greater than 10 feet.

4. The design span of the form shall equal the clear span of the form plus two (2) inches. The span shall be measure parallel to the form flutes.

5. Physical design properties shall be computed in accordance with requirements of the AISI Specifications for the Design of Cold Formed Steel Structural Members, latest published edition.

6. The design concrete cover required by the plans shall be maintained for all reinforcement.

7. The plan dimensions of both layers of primary deck reinforcement from the top surface of the concrete deck shall be maintained.

8. The SIP metal form shall not be considered as lateral bracing for compression flanges of supporting structural members.

9. SIP metal forms shall not be used under closure pours or in bays where longitudinal slab construction joints are located. SIP metal forms shall not be used under cantilevered slabs such as the overhang outside of fascia members.

10. Forms shall be secured to the supporting members by means other than welding directly to the member. Welding to the top flanges of steel stringers and/or girders shall not be allowed. Alternate installation procedures shall be submitted addressing this condition.

907-804.03.14.2.5--Construction. SIP metal form sheets shall not rest directly on the top of the stringer of floor beam flanges. Sheets shall be fastened securely to form supports, and maintain a minimum bearing length of one (1) inch at each end for metal forms. Form supports shall be placed in direct contact with the flange of the stringer or floor beam. All attachments for coated metal forms shall be made by bolts, clips, screws, or other approved means.

907-804.03.14.2.6--Form Galvanizing Repairs. Where forms or their installation are unsatisfactory in the opinion of the Project Engineer, either before or during placement of the concrete, the Contractor shall correct the defects before proceeding with the construction work. The cost of such corrective work shall be at the sole expense of the Contractor. Minor heat discoloration in areas of welds shall not be touched up.

907-804.03.14.2.7--Placing of Concrete. The Contractor shall insure that concrete placement does not damage the SIP metal forms. The concrete shall be vibrated to avoid honeycomb and voids, especially at construction joints, expansion joints, valleys and ends of form sheets. Approved pouring sequences shall be used. Calcium chloride or any other admixture containing chloride salts shall not be used in the concrete. The completed SIP metal form system shall be sufficiently tight to prevent leakage of mortar or concrete.

907-804.03.14.2.8--Inspection. The Project Engineer will observe the Contractor's method of construction during all phases of the construction of the bridge deck slab, including the installation of the SIP metal form system; location and fastening of the reinforcement; composition of concrete items; mixing procedures, concrete placement, and vibration; and finishing of the bridge deck. Should the Project Engineer determine that the procedures used during the placement of the concrete warrant inspection of the underside of the deck, at least one section of the metal forms shall be removed in each span for this purpose. This shall be done as soon after placing the concrete as practical in order to provide visual evidence that the concrete mix and the procedures are obtaining the desired results. An additional section shall be removed in any span if the Project Engineer determines that there has been any change in the concrete mix or in the procedures warranting additional inspection.

If, in the Project Engineer's judgment, inspection is needed to check for defects in the bottom of the deck or to verify soundness, the SIP metal forms shall be sounded with a hammer after the deck concrete has been in place a minimum of two days. If sounding discloses areas of doubtful soundness to the Project Engineer, the SIP metal forms shall be removed from such areas for visual inspection after the concrete has attained adequate strength. The SIP metal bridge deck forms shall be removed at no expense to the State.

At locations where sections of the metal forms have been removed, the Project Engineer will not require the Contractor to replace the metal forms. The adjacent metal forms and supports shall be repaired to present a neat appearance and to ensure their satisfactory retention. As soon as the form is removed, the Project Engineer will examine the concrete surfaces for cavities, honeycombing, and other defects. If irregularities are found and the Project Engineer determines that these irregularities do not justify rejection of the work, the concrete shall be repaired as directed by the Project Engineer. If the Project Engineer determines that the concrete where the form is removed is unsatisfactory, additional metal forms as necessary shall be removed to inspect and repair the slab, and the Contractor's method of construction shall be modified as required to obtain satisfactory concrete in the slab. All unsatisfactory concrete shall be removed and replaced as directed at no expense to the State.

If the method of construction and the results of the inspections as outlined above indicate that sound concrete has been obtained throughout the slabs, the amount of sounding and form removal may be reduced when approved by the Project Engineer.

The Contractor shall provide a safe and convenient means of conducting of the inspection.

Delete Table 6 of Subsection 907-804.03.15 on page 8, and substitute the following.

Table 6
Minimum Compressive Strength Requirements for Form Removal

Forms:	
Columns	1000 psi
Side of Beams	1000 psi
Walls not under pressure	1000 psi
Other Parts	1000 psi
Centering:	
Under Beams	2400 psi
Under Bent Caps	2000 psi
Limitation for Placing Beams on:	
Pile Bents, pile under beam	2000 psi
Frame Bents, two or more columns	2200 psi
Frame Bents, single column	2400 psi

Forms for bridge deck slabs overhead and bridge deck slabs between beams shall be removed with the approval of the Engineer, between two weeks and four weeks after the removal of the wet burlap applied in accordance with Subsection 907-804.03.17.1, or application of liquid membrane applied in accordance with Subsection 907-804.03.17.2.

Delete the second paragraph of Subsection 907-804.03.16.1 on page 9, and substitute the following.

At the option of the Contractor with the approval of the Engineer, when concrete is placed during cold weather and there is a probability that the ambient temperatures will be lower than 40°F, an approved maturity meter may be used to determine concrete strengths by inserting probes into concrete placed in a structure. The minimum number of maturity meter probes required for each structural component shall be in accordance with Table 7. An approved insulating blanketing material shall be used to protect the work when ambient temperatures are less than 40°F and shall remain in place until the required concrete strength in Table 6 is achieved. Within 30 minutes of removal of the insulating blanketing material in any area, the Contractor shall have curing of the concrete established in accordance with the requirements in Subsection 907-804.03.17. Procedures for using the maturity meter and developing the strength/maturity relationship shall follow the requirements of AASHTO Designation: T 325 and ASTM Designation: C 1074 specifications. Technicians using the maturity meter or calculating strength/maturity graphs shall be required to have at least two hours of training prior to using the maturity equipment.

Before Subsection 907-804.03.19 on page 9, add the following.

907-804.03.17--Curing Concrete. Delete Subsection 804.03.17 on pages 874 & 875, and substitute the following.

Curing is defined as all actions taken to ensure the moisture and temperature conditions of freshly placed concrete exist so the concrete may develop its potential properties. Curing shall take place from the time of placement until its potential properties have developed. The Contractor shall use the guidance in ACI 308R-01 to:

a) cure the concrete in such a manner as to prevent premature moisture loss from the concrete,
b) supply additional moisture to the concrete as required in order to ensure sufficient moisture within the concrete, and
c) maintain a concrete temperature beneficial to the concrete.

Curing in accordance with the requirements in either Subsection 907-804.03.17.1 or Subsection 907-804.03.17.2 shall be completely established within 20 minutes after finishing, except as noted for bridge decks. Finishing is complete when the pan drag, burlap drag, or other is complete.

The length of time for curing shall be maintained in accordance with either of the following:

1. **Prescribed Length of Time:**
   a) Curing following the requirements of Subsection 804.03.17.1 shall continue uninterrupted for at least 14 days.
   b) Curing following the requirements of Subsection 804.03.17.2 shall continue uninterrupted for at least 10 days.

OR

2. **Length of Time Defined by Development of Compressive Strength:**
   Curing following the application requirements of Subsection 907-804.03.17.1 or Subsection 907-804.03.17.2 shall continue uninterrupted for each day's production until the compressive strength of the concrete exceeds 75% of the 28-day compressive strength submitted as the Basis of Proportioning per Subsection 907-804.02.10.1. Therefore, if an area is being cured in accordance with Subsection 907-804.03.17.1, the curing by wet burlap shall continue until the concrete in that area has attained a minimum of 75% of the 28-day compressive strength submitted as the Basis of Proportioning per Subsection 907-804.02.10.1. Likewise, if an area is being cured in accordance with Subsection 907-804.03.17.2, the curing by liquid membrane shall continue until the concrete in that area has attained a minimum of 75% of the 28-day compressive strength submitted as the Basis of Proportioning per Subsection 907-804.02.10.1.

   The compressive strength of the concrete may be determined by the use of maturity meter in accordance with Subsection 907-804.03.15.

907-804.03.17.1--Water With Waterproof Cover. All burlap shall be completely saturated and wet prior to placing it on the concrete. The burlap shall have been fully soaked in water for a minimum of 12 hours prior to placement on the concrete.

For bridge decks, the Contractor shall apply one (1) layer of saturated burlap within 20 minutes of the initial strike-off for bridges without a skew and 25 minutes of the initial strike-off for bridges with a skew. For all other concrete, the Contractor shall apply one (1) layer of saturated burlap within 20 minutes of completing finishing.

Following the first layer of burlap, the Contractor shall apply a second layer of saturated burlap within five (5) minutes of applying the first layer. The concrete surface shall not be allowed to dry after strike-off or at any time during the curing period.

The Contractor shall maintain the burlap in a fully wet condition using powered fogging equipment capable of producing a fog spray of atomized droplets of water until the concrete has gained sufficient strength to allow foot traffic without the foot traffic marring the surface of the concrete. Burlap shall not be maintained in the fully wet condition using equipment which does not produce a fog spray of atomized droplets of water or by use of manually pressurized sprayers. For bridge decks, once the concrete has gained sufficient strength to allow foot traffic which does not mar the surface of the concrete, soaker hoses shall be placed on the burlap. The soaker hoses shall then be supplied with running water continuously to maintain continuous saturation of all burlap and the entire concrete surface.

If there is a delay in the placement of the first layer of saturated burlap outside the time limit, the struck-off and finished concrete shall be kept wet by use of the powered fogging equipment used to keep the burlap wet.

White polyethylene sheets shall be placed on top of the wet burlap and, as applicable, soaker hoses covering the entire concrete surface as soon as practical and not more than 12 hours after the placement of the concrete. White polyethylene sheets of the widest practical width shall be used, overlapping adjacent sheets a minimum of six inches (6") and tightly sealed with an adhesive like pressure sensitive tape, mastic, glue, or other approved methods to form a complete waterproof cover of the entire concrete surface. White polyethylene sheets which overlap a minimum of two feet (2') may be held in place using means other than an adhesive. The white polyethylene sheets shall be secured so that wind will not displace them. The Contractor shall immediately repair the broken or damaged portions or replace sections that have lost their waterproof qualities.

If burlap and/or white polyethylene sheets are temporarily removed for any reason during the curing period, the Contractor shall keep the entire exposed area continuously wet. The saturated burlap and white polyethylene sheets shall be replaced, resuming the specified curing conditions, as soon as possible.

The Contractor shall inspect the concrete surface once every 8 hours for the entirety of the curing period, so that all areas remain wet for the entire curing period and all curing requirements are satisfied and document the inspection in accordance with Subsection 907-804.03.17.1.1.

At the end of the curing period, one coating of liquid membrane shall be applied following the requirements of Subsection 907-804.03.17.1.2. The purpose of the coating of liquid membrane is

to allow for slow drying of the concrete. The application of liquid membrane to any area shall be complete within 30 minutes of the beginning of removal of the white polyethylene sheets, soaker hoses, and burlap from this area.

907-804.03.17.1.1--Documentation. The Contractor shall provide the Engineer with a daily inspection report that includes:

- documentation that identifies any deficiencies found (including location of deficiency);
- documentation of corrective measures taken;
- a statement of certification that all areas are wet and all curing material is in place on the entire bridge deck;
- documentation showing the time and date of all inspections and the inspector's signature;
- documentation of any temporary removal of curing materials including location, date and time, length of time curing was removed, and means taken to ensure exposed area was kept continuously wet.

907-804.03.17.1.2--Liquid Membrane. At the end of the 14-day wet curing period the wet burlap and polyethylene sheets shall be removed and within 30 minutes, the Contractor shall apply white liquid membrane to the deck. The liquid membrane shall be thoroughly mixed within the time recommended by the liquid membrane producer but no more than an hour before use. If the use of liquid membrane results in a streaked or blotched appearance, the method shall be stopped and water curing applied until the cause of defective appearance is corrected.

The liquid membrane shall be applied when no free water remains on the surface but while the surface is still wet. The liquid membrane shall be applied according to the manufacturer's instructions with a minimum spreading rate per coat of one (1) gallon per 200 square feet of concrete surface. If the concrete is dry or becomes dry, the Contractor shall thoroughly wet it with water applied as a fog spray by means of approved equipment.

The application of liquid membrane shall be accomplished by the use of power applied spray equipment using nozzles and other equipment recommended by the liquid membrane producer. Manually pressurized or manual pump-up type sprayers shall not be used to apply the first application of liquid membrane.

As a visual guide, the color of concrete covered with the required amount of liquid membrane should be indistinguishable from a sheet of commercially available standard "letter" size white copier paper placed on top of it when viewed from a distance of about five feet (5') away horizontally if standing on the same grade as the concrete. The appearance of the concrete does not supersede applying the minimum spreading rate.

The coating shall be protected against marring for at least seven (7) days after the application of the curing compound. The coating on bridge decks shall receive extra attention and may require additional protection as required by the Engineer. All membrane marred or otherwise disturbed shall be given an additional coating. Manually pressurized or manual pump-up type sprayers may be used for giving marred areas the required additional application of liquid membrane. Should the surface coating be subjected repeatedly to injury, the Engineer may require that the water curing method be applied at once.

The 7-day period during which the liquid membrane is applied and protected shall not be reduced even if the period of wet curing is extended past the required 14 days.

907-804.03.17.1.2.1--Liquid Membrane Documentation. The Contractor shall make available to the Engineer an application rate verification method and any information necessary during application of the liquid membrane to verify that the rate of application meets the prescribed rate for the various surfaces of the concrete, including, but not limited to, the top surface of the bridge deck and exposed sides of the bridge deck after any forms are removed. The Contractor shall submit this application verification method to the Engineer in accordance with Subsection 907-804.02.12.1.1.

One method of verifying the rate of application is as follows:

1. Determine the volume of liquid membrane in the container. For a container with a uniform cross-sectional area, for example a 55-gallon drum, determine the area of the cross-section. Determine the height of the surface of the liquid membrane from the bottom of the container. This may be accomplished by inserting a sufficiently long, clean dip-stick parallel with the axis of the container into the liquid membrane until the inserted end of the dip-stick contacts the bottom of the container. On removing the dip-stick, measure the length from the end which was inserted to the point on the dip-stick where the liquid membrane ceases to coat the dip-stick. Multiply the area of the cross-section by the height of the level of liquid membrane, maintaining consistent units, to determine the volume.
2. Perform step 1 prior to beginning applying the liquid membrane to establish the initial volume.
3. During the period of application, perform step 1 each 100 square feet of bridge deck.
4. In order to meet the required application rate of one (1) gallon per 200 square feet, the amount in the container shall be at least 0.5 gallon less than the previous volume in the previous 100 square feet. Other changes in volume may apply depending on the manufacturer's recommended application rate.
5. Additional applications to an area shall be applied until the required rate is satisfied. Areas which are not visually satisfactory to the Engineer shall have additional liquid membrane applied as directed by the Engineer.

The amount of liquid membrane applied shall be determined each day using the application verification method. This information shall be submitted to the Engineer within 24 hours of applying the liquid membrane.

907-804.03.17.2--Liquid Membrane Method. Surfaces on which curing is to be by liquid membrane shall be given the required surface finish prior to the application of liquid membrane. Concrete surfaces cured by liquid membrane shall receive two applications of white liquid membrane. Neither application shall be made from a position supported by or in contact with the freshly placed concrete. Both applications shall be applied perpendicularly to the surface of the concrete.

When using liquid membrane, the liquid membrane shall be thoroughly mixed within the time recommended by the liquid membrane producer but no more than an hour before use. If the use of liquid membrane results in a streaked or blotched appearance, the method shall be stopped and water curing applied until the cause of defective appearance is corrected.

The application of liquid membrane shall accomplished by the use of power applied spray equipment using nozzles and other equipment recommended by the liquid membrane producer. Manually pressurized or manual pump-up type sprayers shall not be used to apply the first two applications of liquid membrane.

The liquid membrane shall be applied when no free water remains on the surface but while the surface is still wet. The liquid membrane shall be applied according to the manufacturer's instructions with a minimum spreading rate per coat of one (1) gallon per 200 square feet of concrete surface. If the concrete is dry or becomes dry, the Contractor shall thoroughly wet it with water applied as a fog spray by means of approved equipment.

The first application of the liquid membrane shall be made as the work progresses. For bridge decks, the first application shall be completed in each area of the deck within 20 minutes of initial strike-off for bridges with no skew and within 25 minutes of initial strike-off for bridges with skew. For all other concrete, the first application of the liquid membrane shall be completed within 20 minutes of finishing.

The second application shall be applied within 30 minutes after the first application. The liquid membrane shall be uniformly applied to all exposed concrete surfaces.

As a visual guide, the color of concrete covered with the required amount of liquid membrane should be indistinguishable from a sheet of commercially available standard "letter" size white copier paper placed on top of it when viewed from a distance of about five feet (5') away horizontally if standing on the same grade as the concrete. The appearance of the concrete does not supersede applying the minimum spreading rate.

The Contractor shall make available to the Engineer an application rate verification in accordance with Subsection 907-804.03.17.1.2.1.

The coating shall be protected against marring for at least 10 days after the application of the curing compound. The coating on bridge decks shall receive extra attention and may require additional protection as required by the Engineer. All membrane marred or otherwise disturbed shall be given an additional coating. Manually pressurized or manual pump-up type sprayers may be used for giving marred areas the required additional application of liquid membrane. Should the surface coating be subjected repeatedly to injury, the Engineer may require that the water curing method be applied at once.

Delete Subsection 907-804.19.7 on page 9, and substitute the following.

907-804.03.19.7--Finishing Bridge Decks.

907-804.03.19.7.1--General. Delete the third paragraph of Subsection 804.03.19.7.1 on page 884, and substitute the following.

Except when indicated otherwise on the plans, the finish of the bridge deck shall be either a belt finish, a broom finish, or one of the following drag methods: pan, double pan, burlap, or pan and burlap. Manual finishing of the bridge deck shall be performed only in areas inaccessible by the

finishing equipment mounted to the strike-off screed, but shall not hinder the requirements for curing in accordance with Subsection 907-804.03.17.1. The surface texture specified and surface requirements shall be in accordance with the applicable requirements of Subsections 501.03.17 and 501.03.18 modified only as the Engineer deems necessary for bridge deck construction operations.

At no time shall water on the surface of the concrete from bleeding, fogging, curing, or other sources be worked into the concrete or used as an aid for finishing.

Regardless of the method of finishing selected, requirements for curing per Subsection 907-804.03.17 shall be completed within the specified time limits. If the requirements in Subsection 907-804.03.17 are not completed within the specific time limits, the Contractor shall cease operations, revise his operations up to and including acquiring new or additional equipment or additional personnel in order to satisfy the requirements in Subsection 907-804.03.17, and, on approval from the Engineer, resume operations

907-804.03.19.7.2--Longitudinal Method. Before the first paragraph of Subsection 804.03.19.7.2 on page 884, add the following.

The longitudinal method may be used for repairs to bridge decks or bridge widening projects. For bridge widening projects, the time for establishing curing in accordance with Subsections 907-804.03.17 shall be increased to within 30 minutes for bridges without skew and within 35 minutes for bridges with skew.

907-804.03.19.7.3--Transverse Method. Delete the first sentence of the second paragraph of Subsection 804.03.19.7.3 on page 885, and substitute the following.

The machine shall be so constructed and operated as to produce a bridge deck of uniform density with minimum manipulation of the fresh concrete and achieved in the shortest possible time.

Delete the fourth paragraph of Subsection 804.03.19.7.3 on page 885, and substitute the following.

At least one dry run shall be made the length of each pour with a "tell-tale" device attached to the screed carriage to assure the specified clearance to the reinforcing steel.

Delete the last sentence of the fifth paragraph of Subsection 804.03.19.7.3 on page 885, and substitute the following.

The screed shall be mechanically actuated to deliver the screeding action and for travel in a longitudinal direction at a uniform rate along the bridge deck.

Delete the last paragraph of Subsection 804.03.19.7.3 on page 886, and substitute the following.

Other finishing requirements shall be in accordance with the general requirements in Subsection 907-804.03.19.7.1 and as specified on the plans.

Regardless of the finish, the requirements for curing per Subsection 907-804.03.17 shall be completed within the specified time limits.

907-804.03.19.7.4--Acceptance Procedure for Bridge Deck Smoothness. Delete the third sentence of the first paragraph of Subsection 804.03.19.7.4 on page 886, and substitute the following.

The profilograph shall meet the requirements of Subsection 907-804.03.19.7.5.

After the fourth sentence of the first paragraph of Subsection 804.03.19.7.4 on page 886, add the following.

The wheel paths shall be designated as being located three feet (3') and nine feet (9') from centerline or longitudinal joint, respectively.

After the first sentence of the second paragraph of Subsection 804.03.19.7.4 on page 886, add the following.

Auxiliary lanes, tapers, shoulders and other areas that are not checked with the profilograph, shall meet a 1/8 inch in 10-foot straightedge check made transversely and longitudinally across the deck or slab.

After Subsection 907-804.03.19.7.4 on page 9, add the following.

Delete the title of Subsection 804.03.19.7.4.1.3 on page 888, and substitute the following.

907-804.03.19.7.4.1.3--Final Surface Texture.

Delete the first sentence of the second paragraph of Subsection 804.03.19.7.4.1.3 on page 889 and substitute the following.

The finished bridge decks and bridge end slabs shall be retested for riding quality using a Contractor furnished profilograph meeting the requirements of Subsection 907-804.03.19.7.5.

After Subsection 804.03.19.7.4.1.3 on page 889, add the following.

907-804.03.19.7.5--Profilograph Requirements. The smoothness of the bridge deck will be determined by using a California Profilograph to produce a profilogram (profile trace) at each designated location. The surface shall be tested and corrected to a smoothness index as described herein with the exception of those locations or specific projects that are excluded from a smoothness test with the profilograph.

The profilograph, furnished and operated by the Contractor under supervision of the Engineer, shall consist of a frame at least 25 feet in length supported upon multiple wheels having no common axle. The wheels shall be arranged in a staggered pattern so that no two wheels will simultaneously cross the same bump. A profile is to be recorded from the vertical movement of a sensing mechanism. This profile is in reference to the mean elevation of the contact points established by the support wheels. The sensing mechanism, located at the mid-frame, may

consist of a single bicycle-type wheel or a dual-wheel assembly consisting of either a bicycle-type (pneumatic tire) or solid rubber tire vertical sensing wheel and a separate bicycle-type (pneumatic tire) longitudinal sensing wheel. The wheel(s) shall be of such circumference(s) to produce a profilogram recorded on a scale of one (1) inch equal to 25 feet longitudinally and one (1) inch equal to one (1) inch (full scale) vertically. Motive power may be provided manually or by the use of a propulsion unit attached to the center assembly. In operation, the profilograph shall be moved longitudinally along the pavement at a speed no greater than 3 MPH so as to reduce bounce as much as possible. The testing equipment and procedure shall comply with the requirements of Department SOP.

The Contractor may elect to use a computerized version of the profilograph in lieu of the standard profilograph. If the computerized version of the profilograph is used, it shall meet the requirements of Subsection 907-804.03.19.7.5.1.

907-804.03.19.7.5.1--Computerized Profilograph.

907-804.03.19.7.5.1.1--General The computerized profilograph, furnished and operated by the Contractor under the supervision of the Engineer, shall be equipped with an on-board computer capable of meeting the following conditions.

Vertical displacement shall be sampled every three (3) inches or less along the bridge deck. The profile data shall be bandpass filtered in the computer to remove all spatial wavelengths shorter than two (2) feet. This shall be accomplished by a third order, low pass Butterworth filter. The resulting band limited profile will then be computer analyzed according to the California Profilograph reduction process to produce the required inches per mile index. This shall be accomplished by fitting a linear regression line to the length of bridge. This corresponds to the perfect placement of the blanking band bar by a human trace reducer. Scallops above and below the blanking band are then detected and totaled according to the California protocol. Bump/Dip analysis shall take place according to the California Profilograph reduction process.

The computerized profilograph shall be capable of producing a plot of the profile and a printout which will give the following data: Stations every twenty five (25) feet, bump/dip height and bump/dip length of specification (3/10 of an inch and 25 feet respectively), the blanking band width, date of measurement, total profile index in inches per mile for the measurement, total length of the measurement, and the raw inches for each segment.

907-804.03.19.7.5.1.2--Mechanical Requirements. The profilograph shall consist of a frame twenty five (25) feet long supported at each end by multiple wheels. The frame shall be constructed to be easily dismantled for transporting. The profilograph shall be constructed from aluminum, stainless steel and chromed parts. The end support wheels shall be arranged in a staggered pattern such that no two wheels cross a transverse joint at the same time. The relative smoothness shall be measured by the vertical movement of an eight (8) inch or larger diameter sensing wheel at the midpoint of the 25-foot frame. The horizontal distance shall be measured by a twenty (20) inch or larger diameter pneumatic wheel. This profile shall be the mean elevation referenced to the twelve points of contact with the pavement established by the support wheels. Recorded graphical trace of the profile shall be on a scale of one inch equals one inch (full scale) vertical motion of the sensing wheel and one inch equals 25 feet horizontal motion of the profilograph.

907-804.03.19.7.5.1.3--Computer Requirements. The computer shall have the ability to produce output on sight for verification. The computerized output shall indicate the profile index for each specified section of bridge deck. Variable low and high pass third-order Butterworth filtering options shall be available. The printout shall be capable of showing station marks automatically on the output. Blanking band positioning for each specified section of the bridge deck shall be placed according to the least squares fit line of the collected data. Variable bump and dip tests shall be available to show "must correct" locations on the printout. The computer must have the ability to display on screen "must correct" conditions and alert the user with an audible warning when a "must correct" location has been located. The computer must have the ability to store profile data for later reanalysis. The measurement program must be menu driven and PC compatible. User selected options, identification, calibration factors, and time and date stamps shall be printed at the top of each printed report for verification. The control software must be upgradeable. A power source shall be included for each profilograph and be capable of supplying all power needs for a full days testing.

907-804.03.20--Opening Bridges.

907-804.03.20.2--Construction Traffic. Delete the paragraph in Subsection 804.03.20.2 on page 889, and substitute the following:

Unless otherwise specified, the concrete bridge decks shall be closed to construction traffic for the time required for curing in Subsection 907-804.03.17 and until the required compressive strength for the concrete is obtained.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-804-13 **CODE: (IS)**

DATE: 11/09/2010

SUBJECT: Concrete Bridges And Structures

Section 804, Concrete Bridges And Structures, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-804.02-- Materials.

907-804.02.1--General. Delete the third and fourth sentences of the first paragraph of Subsection 804.02.1 on page 846, and substitute the following:

For projects with 1000 cubic yards and more, quality control and acceptance shall be achieved through statistical evaluation of test results. For projects of more than 200 but less than 1000 cubic yards, quality control and acceptance shall be achieved by individual test results.

Add the following materials to the list of materials in Subsection 804.02.1 on page 847.

Blended Cement ..... 907-701.01 and 907-701.04
Ground Granulated Blast Furnace Slag (GGBFS) 907-714.06
Silica Fume 907-714.07.2

907-804.02.8--Laboratory Accreditation. In Table 1 of Subsection 804.02.8 on page 849, substitute AASHTO: R 39 - Making and Curing Concrete Test Specimens in the Laboratory for AASHTO: T 126 - Making and Curing Concrete Test Specimens in the Laboratory.

907-804.02.9--Testing Personnel. Delete Table 2 in this subsection and replace it with the following.

Table 2

Concrete Technician's Tasks	Test Method Required	Certification Required**
Sampling or Testing of Plastic Concrete	AASHTO Designation:T 23, T 119, T 121, T 141, T 152, T 196, and ASTM Designation: C 1064	MDOT Class I certification
Compressive Strength Testing of Concrete Cylinders	AASHTO Designation: T 22 and T 231	MDOT Concrete Strength Testing Technician certification
Sampling of Aggregates	AASHTO Designation: T 2	Work under the supervision of an MDOT Class II certified technician

Testing of Aggregates	AASHTO Designation: T 19, T 27, T 84, T 85, T 248, and T 255	MDOT Class II certification
Proportioning of Concrete Mixtures*	AASHTO Designation: M 157 and R 39	MDOT Class III
Interpretation and Application of Maturity Meter Readings	AASHTO Designation: T 325 and ASTM Designation: C 1074	MDOT Class III or Two hours maturity method training

* Technicians making concrete test specimens for meeting the requirements of Subsection 804.02.10.1.2 shall be MDOT Class I certified and under the direct supervision of an MDOT Class III certified technician.

** MDOT Class I certification encompasses the same test procedures and specifications as ACI Concrete Field Testing Technician Grade I. MDOT Class II certification encompasses the same test procedures and specifications as ACI Aggregate Testing Technician - Level 1. MDOT Concrete Strength Testing Technician encompasses the same test procedures and specifications as ACI Concrete Strength Testing certification.

For specifics about the requirements for each level of certification, please refer to the latest edition of the Department's *Concrete Field Manual*. Technicians holding current MDOT Class I, MDOT Class II and/or MDOT Class III certifications shall be acceptable until those certifications expire. Upon a current certification expiration, recertification with the certifications listed in Table 2 shall be required. Technicians currently performing either specific gravity testing of aggregates or compressive strength tests shall be required to either:

- have the required MDOT certification listed in Table 2, or
- have a current MDOT Class III certification or work under the direct supervision of current MDOT Class III technician, and have demonstrated the specific gravity and/or compressive strength test during the inspection of laboratory equipment by the Materials Division, Concrete Section.

907-804.02.10--Portland Cement Concrete Mix Design. Delete the first sentence of the first paragraph of Subsection 804.02.10 on page 850 and substitute the following:

At least 30 days prior to production of concrete, the Contractor shall submit to the Engineer proposed concrete mixture designs complying with the Department's *Concrete Field Manual*.

Delete the Notes under Table 3 of Subsection 804.02.10 on pages 850 & 851, and substitute the following:

* Maximum size aggregate shall conform to the concrete mix design for the specified aggregate.

** The replacement limits of Portland cement by weight by other cementitious materials (such as fly ash, GGBFS, metakaolin, silica fume, or others) shall be in accordance with the values in Subsection 907-701.02. Other hydraulic cements may be used in accordance with the specifications listed in Section 701.

*** The slump may be increased up to eight (8) inches with :
- an approved water-reducing admixture,
- an approved water-reducing/set-retarding admixture, or
- a combination of an approved water-reducing admixture and an approved set-retarding admixture, in accordance with 907-713.02. Minus slump requirements shall meet those set forth in Table 3 of AASHTO Designation: M157.

**** Entrained air is not required except for concrete exposed to seawater. For concrete exposed to seawater, the total air content shall be 3.0 % to 6.0%. For concrete not exposed to seawater, the total air content shall not exceed 6.0%.

***** Class DS Concrete for drilled shafts shall have an 8±1-inch slump.

Delete the last paragraph of Subsection 804.02.10 on page 851 and substitute the following:

At least one water-reducing admixture shall be used in all classes of concrete in accordance with the manufacturer's recommended dosage range. Any combinations of admixtures shall be approved by the Engineer before their use.

907-804.02.10.1.1--Proportioning on the Basis of Previous Field Experience of Trial Mixtures. Delete the first sentence of the first paragraph of Subsection 804.02.10.1.1 on page 851, and substitute the following:

Where a concrete production facility has a record, based on at least 10 consecutive strength tests from at least 10 different batches within the past 12 months from a mixture not previously used on Department projects, the standard deviation shall be calculated.

907-804.02.10.3--Field Verification of Concrete Mix Design. Delete the first sentence of the third paragraph of Subsection 804.02.10.3 on page 853 and substitute the following:

For all Classes of concrete, the mixture shall be verified to yield within 2.0% of the correct volume when all the mix water is added to the batch.

For all Classes of concrete other than DS, F, and FX, the mixture shall produce a slump within a minus 1½-inch tolerance of the maximum permitted for mixtures with a maximum permitted slump of three inches (3") or less or within a minus 2½-inch tolerance of the maximum permitted for mixtures with a maximum permitted slump of greater than three inches (3"), and producing a total air content within a minus 1½ percent tolerance of the maximum allowable air content in Table 3.

For Class DS, the slump shall be within the requirements in Note ***** below Table 3. For Class DS exposed to seawater, the total air content shall be within a minus 1½ percent tolerance of the maximum allowable air content in Note **** below Table 3. For Class DS not exposed to seawater the total air content shall be within the requirements in Note **** below Table 3.

For Classes F and FX, the slump shall be within a minus 1½-inch tolerance of the maximum permitted for mixtures with a maximum permitted slump of three inches (3") or less or within a minus 2½-inch tolerance of the maximum permitted for mixtures with a maximum permitted

slump of greater than three inches (3"). For Classes F and FX exposed to seawater, the total air content shall be within a minus 1½ percent tolerance of the maximum allowable air content in Note **** below Table 3. For Classes F and FX not exposed to seawater the total air content shall be within the requirements in Note **** below Table 3.

Delete the third sentence of the third paragraph of Subsection 804.02.10.3 on page 853, and substitute the following:

If the requirements of yield, slump, or total air content are not met within three (3) production days after the first placement, subsequent field verification testing shall not be permitted on department projects, and the mix design shall not be used until the requirements listed above are met

907-804.02.10.4--Adjustments of Mixture Proportions. Delete the paragraph in Subsection 804.02.10.4 on page 854, and substitute the following:

The mixture may be adjusted by the Class III Certified Technician representing the Contractor in accordance with the allowable revisions listed in the Department's Concrete Field Manual, paragraph 5.7. Written notification shall be submitted to the Engineer a minimum of seven (7) days prior to any source or brand of material change, aggregate size change, allowable material type change, or decrease in any cementitious material content. Any adjustments of the concrete mixture design shall necessitate repeat of field verification procedure as described in Subsection 804.02.10.3 and approval by the Engineer.

907-804.02.11--Concrete Batch Plants. Delete the first three paragraphs of Subsection 804.02.11 on page 854, and substitute the following:

The concrete batch plant shall meet the requirements of the National Ready Mixed Concrete Association *Quality Control Manual, Section 3, Plant Certification Checklist* as outlined in the latest edition of the Department's *Concrete Field Manual*. The Contractor shall submit a copy of the approved checklist along with proof of calibration of batching equipment, i.e., scales, water meter, and admixture dispenser, to the Engineer 30 days prior to the production of concrete.

For projects with 1000 cubic yards and more, the concrete batch plant shall meet the requirements for an automatic system capable of recording batch weights. It shall also have automatic moisture compensation for the fine aggregate. For projects of more than 200 but less than 1000 cubic yards the plant can be equipped for manual batching with a fine aggregate moisture meter visible to the plant operator.

The concrete batch plant shall have available adequate facilities to cool concrete during hot weather.

Mixer trucks to be used on the project are to be listed in the checklist and shall meet the requirements of the checklist.

907-804.02.12--Contractor's Quality Control. Delete the fourth paragraph of Subsection 804.02.12 on page 854 & 855, and substitute the following:

The Contractor's Quality Control program shall encompass the requirements of AASHTO Designation: M 157 into concrete production and control, equipment requirements, testing, and batch ticket information. The requirement of AASHTO Designation: M 157, Section 11.7 shall be followed except, on arrival to the job site, a maximum of 1½ gallons per cubic yard is allowed to be added. Water shall not be added at a later time. If the maximum permitted slump is exceeded after the addition of water at the job site, the concrete shall be rejected.

907-804.02.12.3--Documentation. After the second sentence of the second paragraph of Subsection 804.02.12.3 on page 856, add the following:

Batch tickets and gradation data shall be documented in accordance with Department requirements. Batch tickets shall contain all the information in AASHTO Designation: M157, Section 16 including the additional information in Subsection 16.2 with the following exception: the information listed in paragraphs 16.2.7 and 16.2.8 is not required. Batch tickets shall also contain the concrete producer's permanent unique mix number assigned to the concrete mix design.

907-804.02.12.5--Non-Conforming Materials. In Table 4 of Subsection 804.02.12.5 on page 857, delete "/ FM" from the requirements on line B.3.a.

In Table 4 of Subsection 804.02.12.5 on page 857, replace "One set (two cylinders) for 0-100 yd^3 inclusive" with "A minimum of one set (two cylinders) for each 100 yd^3,"

907-804.02.13--Quality Assurance Sampling and Testing. Delete subparagraph c) in Subsection 804.02.13 on page 858 and substitute the following:

c) For concrete, the Contractor's QC and Department's QA testing of concrete compressive strengths compare when using the data comparison computer program with an alpha value of 0.01 for projects with 1000 cubic yards and more; or, strength comparisons are within 990 psi for projects of more than 200 but less than 1000 cubic yards.

In Table 5 of Subsection 804.02.13 on page 858, delete "and FM" from the requirements on line A.3.

Delete Subsection 907-804.02.13.1 beginning on page 859 and substitute the following:

907-804.02.13.1--Basis of Acceptance.

907-804.02.13.1.1--Sampling. Sampling of concrete mixture shall be performed in accordance with the latest edition of the Department's *Concrete Field Manual*.

907-804.02.13.1.2--Slump. Slump of plastic concrete shall meet the requirements of Table 3: MASTER PROPORTION TABLE FOR STRUCTURAL CONCRETE DESIGN. A check test shall be made on another portion of the sample before rejection of any load.

907-804.02.13.1.3--Air. Total air content of concrete shall be within the specified range for the class of concrete listed in Table 3: MASTER PROPORTION TABLE FOR STRUCTURAL CONCRETE DESIGN. A check test shall be made on another portion of the sample before rejection of any load.

907-804.02.13.1.4--Yield. If the yield of the concrete mix design is more than plus or minus 3% of the designed volume, the mix shall be adjusted by a Class III Certified Technician representing the Contractor to yield the correct volume plus or minus three percent (±3%). If batching of the proportions of the mix design varies outside the batching tolerance range of the originally approved proportions by more than the tolerances allowed in Subsection 804.02.12.1, the new proportions shall be field verified per Subsection 804.02.10.3.

907-804.02.13.1.5--Temperature. Cold weather concreting shall follow the requirements of Subsection 907-804.03.16.1. Hot weather concreting shall follow the requirements of Subsection 804.03.16.2 with a maximum temperature of 95°F for Class DS concrete or for concrete mixes containing cementitious materials meeting the requirements of Subsection 907-701.02.2 as a replacement of Portland cement. For other concrete mixes, the maximum concrete temperature shall be 90°F. Concrete with a temperature more than the maximum allowable temperature shall be rejected and not used in Department work.

907-804.02.13.1.6--Compressive Strength. Laboratory cured concrete compressive strength tests shall conform to the specified strength (f'_c) listed in the specifications. Concrete represented by compressive strength test below the specified strength (f'_c) may be removed and replaced by the Contractor. If the Contractor elects not to remove the material, it will be evaluated by the Department as to the adequacy for the use intended. All concrete evaluated as unsatisfactory for the intended use shall be removed and replaced by the Contractor at no additional cost to the Department. For concrete allowed to remain in place, reduction in payment will be as follows:

Projects with 1000 Cubic Yards and More. When the evaluation indicates that the work may remain in place, a statistical analysis will be made of the QC and QA concrete test results. If this statistical analysis indicates at least 93% of the material would be expected to have a compressive strength equal to or greater than the specified strength (f'_c) and 99.87% of the material would be expected to have a compressive strength at least one standard deviation above the allowable design stress (f_c), the work will be accepted. If the statistical analysis indicates that either of the two criteria are not met, the Engineer will provide for an adjustment in pay as follows for the material represented by the test result.

Total Pay on Material in Question = Unit Price - (Unit Price x % Reduction)

$$\% \text{ Reduction} = \frac{(f'_c - X)}{f'_c - (f_c + s)} \times 100$$

where:

f'_c = Specified 28-day compressive strength, psi

X = Individual compressive strength below f'_c, psi
s = standard deviation, psi*
f_c = allowable design stress, psi

* Standard deviation used in the above reduction of pay formula shall be calculated from the applicable preceding compressive strengths test results plus the individual compressive strength below f'_c. If below f'_c strengths occur during the project's first ten compressive strength tests, the standard deviation shall be calculated from the first ten compressive strength tests results.

Projects of More Than 200 but Less Than 1000 Cubic Yards. When the evaluation indicates that the work may remain in place, a percent reduction in pay will be assessed based on a comparison of the deficient 28-day test result to the specified strength. The Engineer will provide for an adjustment in pay as follows for the material represented by the test result.

Total Pay on Material in Question = Unit Price - (Unit Price x % Reduction)

$$\% \text{ Reduction} = \frac{(f'_c - X)}{f'_c} \times 100$$

where:

f'_c = Specified 28-day compressive strength, psi
X = Individual compressive strength below f'_c, psi

907-804.03--Construction Requirements.

907-804.03.6--Handling and Placing Concrete.

907-804.03.6.2--Consolidation. After the last sentence of Subsection 804.03.6.2 on page 864, add the following:

If the Department determines that there is an excessive number of projections, swells, ridges, depressions, waves, voids, holes, honeycombs or other defects in the completed structure, removal of the entire structure may be required as set out in Subsection 105.12.

907-804.03.15--Removal of Falsework, Forms, and Housing. Delete the first sentence of the second paragraph of Subsection 804.03.15 on page 871, and substitute the following:

Concrete in the last pour of a continuous superstructure shall have attained a compressive strength of 2,400 psi, as determined by cylinder tests or maturity meter probe, prior to striking any falsework.

Delete the first sentence of the third paragraph of Subsection 804.03.15 on page 871, and substitute the following:

At the Contractor's option and with the approval of the Engineer, the time for removal of forms may be determined by cylinder tests, in accordance with the requirements listed in Table 6, in which case the Contractor shall furnish facilities for testing the cylinders.

Delete the fourth and fifth paragraphs of Subsection 804.03.15 on pages 871 & 872, and substitute the following:

The cylinders shall be cured under conditions which are not more favorable than those existing for the portions of the structure which they represent.

Delete the table in Subsection 804.03.15 on page 872, and substitute the following:

Table 6
Minimum Compressive Strength Requirements for Form Removal

Forms:	
Columns	1000 psi
Side of Beams	1000 psi
Walls not under pressure	1000 psi
Floor Slabs, overhead	2000 psi
Floor Slabs, between beams	2000 psi
Slab Spans	2400 psi
Other Parts	1000 psi
Centering:	
Under Beams	2400 psi
Under Bent Caps	2000 psi
Limitation for Placing Beams on:	
Pile Bents, pile under beam	2000 psi
Frame Bents, two or more columns	2200 psi
Frame Bents, single column	2400 psi

In lieu of using concrete strength cylinders to determine when falsework, forms, and housings can be removed, an approved maturity meter may be used to determine concrete strengths by inserting probes into concrete placed in a structure. The minimum number of maturity meter probes required for each structural component shall be in accordance with Table 7. Falsework, forms, and housings may be removed when maturity meter readings indicate that the required concrete strength is achieved. Procedures for using the maturity meter and developing the strength/maturity relationship shall follow the requirements of AASHTO Designation: T 325 and ASTM Designation: C 1074 specifications. Technicians using the maturity meter or calculating strength/maturity graphs shall be required to have at least two hours of training prior to using the maturity equipment.

Table 7
Requirements for use of Maturity Meter Probes

Structure Component	Quantity of Concrete	No. of Probes
Slabs, beams, walls, & miscellaneous items	0 - 30 yd^3	2
	> 30 to 60 yd^3	3
	> 60 to 90 yd^3	4
	> 90 yd^3	5
Footings, Columns & Caps	0 - 13 yd^3	2
	> 13 yd^3	3
Pavement, Pavement Overlays	1200 yd^2	2
Pavement Repairs	Per repair or 900 yd^2 Whichever is smaller	2

907-804.03.16--Cold or Hot Weather Concreting.

907-804.03.16.1--Cold Weather Concreting. After the third paragraph of Subsection 804.03.16.1 on page 873, add the following:

In lieu of the protection and curing of concrete in cold weather, at the option of the Contractor with the approval of the Engineer, when concrete is placed during cold weather and there is a probability of ambient temperatures lower that 40°F, an approved maturity meter may be used to determine concrete strengths by inserting probes into concrete placed in a structure. The minimum number of maturity meter probes required for each structural component shall be in accordance with Table 7. An approved insulating blanketing material shall be used to protect the work when ambient temperatures are less than 40°F and shall remain in place until the required concrete strength in Table 6 is achieved. Procedures for using the maturity meter and developing the strength/maturity relationship shall follow the requirements of AASHTO Designation: T 325 and ASTM Designation: C 1074 specifications. Technicians using the maturity meter or calculating strength/maturity graphs shall be required to have at least two hours of training prior to using the maturity equipment.

Rename the Table in Subsection 804.03.16.1 on page 874 from "Table 6" to "Table 8".

907-804.03.19--Finishing Concrete Surfaces.

907-804.03.19.7--Finishing Bridge Floors.

907-804.03.19.7.4--Acceptance Procedure for Bridge Deck Smoothness. After the first sentence of the second paragraph of Subsection 804.03.19.7.4 on page 886, add the following:

Auxiliary lanes, tapers, shoulders and other areas that are not checked with the profilograph, shall meet a 1/8 inch in 10-foot straightedge check made transversely and longitudinally across the deck or slab.

907-804.05--Basis of Payment. Add the "907" prefix to the pay items listed on page 898.

SECTION 905 - PROPOSAL

Date _____

HPP-0210-00(015)LPA/105214-801000
City of Hattiesburg, Mississippi

Sirs: The following proposal is made on behalf of _____
_____ of _____
_____
for constructing the following designated project(s) within the time(s) hereinafter specified.

The plans are composed of drawings and blue prints on file in the offices of:
Shows, Dearman & Waits, Inc.

The Specifications are the current Standard Specifications of the Mississippi Department of Transportation approved by the Federal Highway Administration, except where superseded or amended by the plans, Special Provisions and Notice(s) to Bidders attached hereto and made a part thereof.

I (We) certify that I (we) possess a copy of said Standard and any Supplemental Specifications.

Evidence of my (our) authority to submit the Proposal is hereby furnished. The proposal is made without collusion on the part of any person, firm or corporation. I (We) certify that I (we) have carefully examined the Plans, the Specifications, including the Special Provisions and Notice(s) to Bidders, herein, and have personally examined the site of the work. On the basis of the Specifications, Special Provisions, Notice(s) to Bidders, and Plans, I (we) propose to furnish all necessary machinery, tools, apparatus and other means of construction and do all the work and furnish all the materials in the manner specified. I (We) understand that the quantities mentioned herein are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid, in accordance with the above.

Attached hereto is a certified check, cashier's check or Proposal Guaranty Bond in the amount as required in the Advertisement (or, by law).

INSTRUCTION TO BIDDERS: Alternate and Optional Items on Bid Schedule.

1. Two or more items entered opposite a single unit quantity WITHOUT DEFINITE DESIGNATION AS "ALTERNATE ITEMS" are considered as "OPTIONAL ITEMS". Bidders may or may not indicate on bids the Optional Item proposed to be furnished or performed WITHOUT PREJUDICE IN REGARD TO IRREGULARITY OF BIDS.

2. Items classified on the bid schedule as "ALTERNATE ITEMS" and/or "ALTERNATE TYPES OF CONSTRUCTION" must be preselected and indicated on bids. However, "Alternate Types of Construction" may include Optional Items to be treated as set out in Paragraph 1, above.

3. Optional items not preselected and indicated on the bid schedule MUST be designated in accordance with Subsection 102.06 prior to or at the time of execution of the contract.

4. Optional and Alternate items designated must be used throughout the project.

I (We) further propose to perform all "force account or extra work" that may be required of me (us) on the basis provided in the Specifications and to give such work my (our) personal attention in order to see that it is economically performed.

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. _____ DATED _____ ADDENDUM NO. _____ DATED _____
ADDENDUM NO. _____ DATED _____ ADDENDUM NO. _____ DATED _____

TOTAL ADDENDA: _____
(Must agree with total addenda issued prior to opening bids)

Respectfully Submitted,

DATE _____

_____
Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____
President Address

_____
Secretary Address

_____
Treasurer Address

The following is my (our) itemized proposal.

PROPOSAL (Bid Sheet No. 2-1)

Section 905

PROJECT NUMBER: HPP 0210-00(015)LPA-105214-801000

COUNTY: FORREST

PROJECT DESCRIPTION: LONGLEAF TRACE - PHASE III

I (We) agree to complete the entire project within the specified contract time.

*** * * SPECIAL NOTICE to BIDDERS * * ***

BIDS WILL NOT BE CONSIDERED UNLESS BOTH UNIT PRICES and ITEM TOTALS ARE ENTERED

BIDS WILL NOT BE CONSIDERED UNLESS the BID CERTIFICATE LOCATED at the END of the BID SHEETS is SIGNED

BID SCHEDULE

Pay Item No.	Pay Items	Unit	Quantity	Unit Price ($)	Extension ($)
201-A001	CLEARING and GRUBBING	LS	1		
202-B005	REMOVAL of ASPHALT PAVEMENT, ALL DEPTHS	SY	2218		
202-B030	REMOVAL of CONCRETE PAVEMENT, ALL DEPTHS	SY	173		
202-B038	REMOVAL of CURB, ALL TYPES	LF	122		
202-B057	REMOVAL of INLETS, ALL SIZES	EA	1		
202-B064	REMOVAL of PIPE, 8" and ABOVE	LF	67		
202-B079	REMOVAL of HEADWALL	EA	1		
202-B160	REMOVAL OF EXISTING RAILROAD CROSSING	EA	15		
203-A003	UNCLASSIFIED EXCAVATION, FM, AH	CY	2417		
203-EX017	BORROW EXCAVATION, AH, FME, CLASS B9	CY	250		
203-G003	EXCESS EXCAVATION, FM, AH	CY	3506		
211-B001	TOPSOIL for SLOPE TREATMENT, CONTRACTOR FURNISHED	CY	2101		
213-C001	SUPERPHOSPHATE	TON	2		
907-225-A001	GRASSING	ACRE	3		
907-225-B001	AGRICULTURAL LIMESTONE	TON	11		
907-225-C001	VEGETATIVE MATERIALS for MULCH	TON	8		
907-226-A001	TEMPORARY GRASSING	ACRE	2		
234-A001	TEMPORARY SILT FENCE	LF	12798		
907-234-D001	INLET SILTATION GUARD	EA	21		
907-237-A002	WATTLES, 12"	LF	250		
907-237-A003	WATTLES, 20"	LF	3389		
907-258-K001	BOLLARD	EA	2		
907-288-A001	SITE GRADING	SY	600		

PROPOSAL (Bid Sheet No. 2-2)

Section 905

PROJECT NUMBER: HPP 0210-00(015)LPA-105214-801000

COUNTY: FORREST

PROJECT DESCRIPTION: LONGLEAF TRACE - PHASE III

907-304-C005	GRANULAR MATERIAL, AEA, CLASS 9; GROUP C	CY	2003		
907-304-F002	SIZE 610 CRUSHED STONE BASE	TON	9242		
907-403-A012	HOT MIX ASPHALT, ST, 19mm MIXTURE	TON	561		
907-403-A015	HOT MIX ASPHALT, ST, 9.5mm MIXTURE	TON	2138		
907-403-B009	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE, LEVELING	TON	200		
907-403-M501	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2138		
907-403-M004	WARM MIX ASPHALT, ST, 19-MM MIXTURE	TON	561		
907-403-N001	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE, LEVELING	TON	200		
406-A001	COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS	SY	1694		
907-407-A001	ASPHALT FOR TACK COAT	GAL	3120		
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	18		
602-A001	REINFORCING STEEL	LBS	1822		
603-CA087	12" REINFORCED CONCRETE PIPE, CLASS III	LF	12		
603-CA088	18" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	172		
603-CA089	24" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	30		
603-CA091	36" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	28		
603-CB001	18" REINFORCED CONCRETE END SECTION	EA	4		
603-CB002	24" REINFORCED CONCRETE END SECTION	EA	2		
603-CB004	36" REINFORCED CONCRETE END SECTION	EA	1		
603-CB014	15" REINFORCED CONCRETE END SECTION	EA	4		
603-CE039	22" X 13" CONCRETE ARCH PIPE, CLASS A III, FLEXIBLE PLASTIC GASKETS	LF	172		
603-CF001	22" X 13" CONCRETE ARCH PIPE, END SECTION	EA	14		
907-603-PE205	18" CORRUGATED POLYETHYLENE PIPE	LF	400		
907-603-PE206	24" CORRUGATED POLYETHYLENE PIPE	LF	256		
907-603-PE211	12" CORRUGATED POLYETHYLENE PIPE	LF	12		
907-603-PP001	GRATE INLET	EA	16		
604-A001	CASTINGS	LBS	1279		
604-B001	GRATINGS	LBS	400		
606-B002	GUARD RAIL, CLASS A, TYPE 1, DOUBLE FACED	LF	846		
606-C003	GUARD RAIL, CABLE ANCHOR, TYPE 1	EA	2		

PROPOSAL (Bid Sheet No. 2-3)

Section 905

PROJECT NUMBER: HPP 0210-00(015)LPA-105214-801000

COUNTY: FORREST

PROJECT DESCRIPTION: LONGLEAF TRACE - PHASE III

606-E003	GUARD RAIL, TERMINAL END SECTION, NON-FLARED	EA	4		
907-607-AA001	ORNAMENTAL IRON FENCE	LF	2101		
608-A001	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	SY	115		
608-B001	CONCRETE SIDEWALK, WITH REINFORCEMENT	SY	312		
609-D001	COMBINATION CONCRETE CURB AND GUTTER, TYPE 1	LF	492		
907-611-PP003	DETECTABLE WARNING, PER PLANS	SF	16		
613-D010	ADJUSTMENT OF MANHOLE COVER AND WATER VALVE	EA	1		
907-618-A001	MAINTENANCE OF TRAFFIC	LS	1		
619-D1001	STANDARD ROADSIDE CONSTRUCTION SIGNS, LESS THAN 10 SQ. FT.	SF	846		
619-D2001	STANDARD ROADSIDE CONSTRUCTION SIGNS, 10 SQ. FT. OR MORE	SF	819		
619-G4005	BARRICADES, TYPE III, DOUBLE FACED	LF	684		
620-A001	MOBILIZATION	LS	1		
907-626-G001	THERMOPLASTIC DETAIL STRIPE, BLUE-ADA	LF	90		
907-626-G004	THERMOPLASTIC DETAIL STRIPE, WHITE	LF	14297		
907-626-G005	THERMOPLASTIC DETAIL STRIPE, YELLOW	LF	6442		
907-626-H002	THERMOPLASTIC LEGEND, BLUE-ADA HANDICAP SYMBOL	EA	1		
907-626-H004	THERMOPLASTIC LEGEND, WHITE	LF	92		
907-626-H005	THERMOPLASTIC LEGEND, WHITE	SF	2776		
630-A001	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	SF	1046		
630-C001	STEEL U-SECTION POSTS, 2.0 lb/ft	LF	1624		
630-F001	DELINEATORS, GUARD RAIL, WHITE	EA	55		
907-699-A002	ROADWAY CONSTRUCTION STAKES	LS	1		
				Total Bid	

SECTION 905 PROPOSAL (Bid Sheet No. 2-3)a

PROJECT NUMBER: HPP 0210-00(015)LPA-105214-801000
COUNTY: FORREST
PROJECT DESCRIPTION:

Construction of asphalt pavement, pipe, erosion control, fencing and miscellaneous items.

COMPLETE ITEM NOS. 1, 2 AND/OR 3 AS APPROPRIATE. SEE NOTICE TO BIDDERS NO. 696 AND SUPPLEMENT.

1. **I/We agree that no less than _____ percent shall be expended with small business concerns owned and controlled by socially and economically disadvantaged individuals (DBE and WBE).**

2. **Classification of Bidder: Small Business (DBE) ☐ Small Business (WBE) ☐**

3. **A joint venture with a Small Business (DBE/WBE): YES ☐**

***** SIGNATURE STATEMENT *****

BIDDER ACKNOWLEDGES THAT HE/SHE HAS CHECKED ALL ITEMS IN THIS PROPOSAL FOR ACCURACY AND CERTIFY THAT THE FIGURES SHOWN THERIN CONSTITUTE THEIR OFFICIAL BID.

_____
BIDDER'S SIGNATURE

Certification with regard to the Performance of Previous Contracts or Subcontracts subject to the Equal Opportunity Clause and the filing of Required Reports

The Bidder ____, proposed Subcontractor ____, hereby certifies that he has ____, has not ____, participated in a previous contract or subcontract subject to the Equal Opportunity Clause, as required by Executive Orders 10925, 11114, or 11246, and that he has ____, has not ____, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

_____
(COMPANY)

BY _____

_____
(TITLE)

DATE: _____

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7 (b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the Equal Opportunity Clause. Contracts and Subcontracts which are exempt from the Equal Opportunity Clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime Contractors and Subcontractors who have participated in a previous contract or subcontract subject to the Executive orders and have not filed the required reports should note that 41 CFR 60-1.7 (b) (1) prevents the award of contracts and subcontracts unless such Contractors submit a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U. S. Department of Labor.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

NON-COLLUSION AFFIDAVIT

(Execute in duplicate)

I, _____,
(Name of person signing affidavit)

individually, and in my capacity as _____ of
(Title)

_____ do hereby certify under
(Name of Firm, Partnership, or Corporation)

penalty of perjury under the laws of the United States and the State of Mississippi that _____

_____, Bidder
(Name of Firm, Partnership, or Corporation)

on Project No. _____,

in _____ County(ies), Mississippi, has not either

directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in (b) above; and

d) Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Initial here "_____" if exceptions are attached and made a part thereof. Any exceptions shall address to whom it applies, initiating agency and dates of such action.

Note: Exceptions will not necessarily result in denial of award but will be considered in determining bidder responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

The bidder further certifies that the certification requirements contained in Section XI of Form FHWA 1273, will be or have been included in all subcontracts, material supply agreements, purchase orders, etc. except those procurement contracts for goods or services that are expected to be less than the Federal procurement small purchase threshold fixed at 10 U.S.C. 2304(g) and 41 U.S.C. 253(g) (currently $25,000) which are excluded from the certification requirements.

The bidder further certifies, to the best of his or her knowledge and belief, that:

1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions will be completed and submitted.

The certification contained in (1) and (2) above is a material representation of fact upon which reliance is placed and a prerequisite imposed by Section 1352, Title 31, U.S. Code prior to entering into this contract. Failure to comply shall be subject to a civil penalty of not less than $10,000 and not more than $100,000. The bidder shall include the language of the certification in all subcontracts exceeding $100,000 and all subcontractors shall certify and disclose accordingly.

All of the foregoing and attachments (when indicated) is true and correct.

Executed on _____ _____

Signature

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

NON-COLLUSION AFFIDAVIT

(Execute in duplicate)

I, _____,
(Name of person signing affidavit)

individually, and in my capacity as _____ of
(Title)

_____ do hereby certify under
(Name of Firm, Partnership, or Corporation)

penalty of perjury under the laws of the United States and the State of Mississippi that _____

_____, Bidder
(Name of Firm, Partnership, or Corporation)

on Project No. _____,

in _____ County(ies), Mississippi, has not either

directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds:

a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in (b) above; and

d) Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

Initial here "_____" if exceptions are attached and made a part thereof. Any exceptions shall address to whom it applies, initiating agency and dates of such action.

Note: Exceptions will not necessarily result in denial of award but will be considered in determining bidder responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

The bidder further certifies that the certification requirements contained in Section XI of Form FHWA 1273, will be or have been included in all subcontracts, material supply agreements, purchase orders, etc. except those procurement contracts for goods or services that are expected to be less than the Federal procurement small purchase threshold fixed at 10 U.S.C. 2304(g) and 41 U.S.C. 253(g) (currently $25,000) which are excluded from the certification requirements.

The bidder further certifies, to the best of his or her knowledge and belief, that:

1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions will be completed and submitted.

The certification contained in (1) and (2) above is a material representation of fact upon which reliance is placed and a prerequisite imposed by Section 1352, Title 31, U.S. Code prior to entering into this contract. Failure to comply shall be subject to a civil penalty of not less than $10,000 and not more than $100,000. The bidder shall include the language of the certification in all subcontracts exceeding $100,000 and all subcontractors shall certify and disclose accordingly.

All of the foregoing and attachments (when indicated) is true and correct.

Executed on _____ _____

Signature

LOCAL PUBLIC AGENCY (LPA)

S E C T I O N 9 0 2

CONTRACT FOR HPP-0210-00(015)LPA/ 105214-801000

LOCATED IN THE COUNTY OF Forrest

STATE OF MISSISSIPPI,

This contract entered into by and between the Local Public Agency The City of Hattiesburg (hereinafter "LPA") on one hand, and the undersigned contractor, on the other witnesseth;

That, in consideration of the payment by the LPA of the prices set out in the proposal hereto attached, to the undersigned contractor, such payment to be made in the manner and at the time of times specified in the specifications and the special provisions, if any, the undersigned contractor hereby agrees to accept the prices stated in the proposal in full compensation for the furnishing of all materials and equipment and the executing of all the work contemplated in this contract.

It is understood and agreed that the advertising according to law, the Advertisement, the instructions to bidders, the proposal for the contract, the specifications, the revisions of the specifications, the special provisions, and also the plans for the work herein contemplated, said plans showing more particularly the details of the work to be done, shall be held to be, and are hereby made a part of this contract by specific reference thereto and with like effect as if each and all of said instruments had been set out fully herein in words and figures.

It is further agreed that for the same consideration the undersigned contractor shall be responsible for all loss or damage arising out of the nature of the work aforesaid; or from the action of the elements and unforeseen obstructions or difficulties which may be encountered in the prosecution of the same and for all risks of every description connected with the work, exceptions being those specifically set out in the contract; and for faithfully completing the whole work in good and workmanlike manner according to the approved Plans, Specifications, Special Provisions, Notice(s) to Bidders and requirements of the LPA.

It is further agreed that the work shall be done under the direct supervision and to the complete satisfaction of the LPA or their authorized representatives, and when Federal Funds are involved subject to inspection at all times and approval by the Mississippi Department of Transportation or Federal Highway Administration, or its agents as the case may be, or the agents of any other Agency whose funds are involved in accordance with those Acts of the Legislature of the State of Mississippi approved by the Governor and such rules and regulations issued pursuant thereto by the Mississippi Transportation Commission and the authorized Federal Agencies.

The Contractor agrees that all labor as outlined in the Special Provisions may be secured from list furnished by

Manager, WIN Job Center nearest the project

It is agreed and understood that each and every provision of law and clause required by law to be inserted in this contract shall be deemed to be inserted herein and this contract shall be read and enforced as though it were included herein, and, if through mere mistake or otherwise any such provision is not inserted, then upon the application of either party hereto, the contract shall forthwith be physically amended to make such insertion.

The Contractor agrees that he has read each and every clause of this Contract, and fully understands the meaning of same and that he will comply with all the terms, covenants and agreements therein set forth.

Witness our signatures this the ____ day of _____, 20____.

Contractor(s)

By _____ _____

Title _____ By _____

Signed and sealed in the presence of: LPA Official

(Names and address of witnesses)

_____ _____

LPA Clerk

Award authorized by the LPA in session on the _____day of _____, 20___, as recorded _____

LOCAL PUBLIC AGENCY (LPA)

S E C T I O N 9 0 3
PERFORMANCE AND PAYMENT BOND

CONTRACT BOND FOR HPP-0210-00(015)LPA /105214-801000

LOCATED IN THE COUNTY OF Forrest

STATE OF MISSISSIPPI,

Know all men by these presents: that we, _____
(Contractor)

(hereinafter "Principal"), a _____

residing at _____ in the State of _____

and _____
(Surety)

residing at _____ in the State of _____

authorized to do business in the State of Mississippi, under the laws thereof, as surety, are held and firmly bound unto the Local Public Agency _____, (hereinafter "LPA"), in the sum of _____

($ _____) Dollars, lawful money of the United States of America, to be paid to it for which payment well and truly to be made, we bind ourselves, our heirs, administrators, successors, or assigns jointly and severally by these presents.

Signed and sealed this the _____ day of _____ A.D. _____.

The conditions of this bond are such, that whereas the said Principal, has (have) entered into a contract with the LPA, bearing the date of _____ day of _____ A.D. _____ hereto annexed, for the construction of certain project(s) in the State of Mississippi as mentioned in said contract in accordance with the Contract Documents therefor, on file in the offices of the LPA.

Now therefore, if the above bounden Principal in all things shall stand to and abide by and well and truly observe, do keep and perform all and singular the terms, covenants, conditions, guarantees and agreements in said contract, contained on his (their) part to be observed, done, kept and performed and each of them, at the time and in the manner and form and furnish all of the material and equipment specified in said contract in strict accordance with the terms of said contract which said plans, specifications and special provisions are included in and form a part of said contract and shall maintain the said work contemplated until its final completion and acceptance as specified in Subsection 109.11 of the approved specifications, and save harmless said LPA from any loss or damage arising out of or occasioned by the negligence, wrongful or criminal act, overcharge, fraud, or any other loss or damage whatsoever, on the part of said principal (s), his (their) agents, servants, or employees in the performance of said work or in any manner connected therewith, and shall be liable and responsible in a civil action instituted by the

LOCAL PUBLIC AGENCY (LPA)

LPA at the instance of any officer of the LPA authorized in such cases, for double any amount in money or property, the LPA may lose or be overcharged or otherwise defrauded of, by reason of wrongful or criminal act, if any, of the Contractor(s), his (their) agents or employees, and shall promptly pay the said agents, servants and employees and all persons furnishing labor, material, equipment or supplies therefor, including premiums incurred, for Surety Bonds, Liability Insurance, and Workmen's Compensation Insurance; with the additional obligation that such Contractor shall promptly make payment of all taxes, licenses, assessments, contributions, damages, any liquidated damages which may arise prior to any termination of said principal's contract, any liquidated damages which may arise after termination of the said principal's contract due to default on the part of said principal, penalties and interest thereon, when and as the same may be due this state, or any county, municipality, board, department, commission or political subdivision: in the course of the performance of said work and in accordance with Sections 31-5-51 et seq. Mississippi Code of 1972, and other State statutes applicable thereto, and shall carry out to the letter and to the satisfaction of the LPA Official, all, each and every one of the stipulations, obligations, conditions, covenants and agreements and terms of said contract in accordance with the terms thereof and all of the expense and cost and attorney's fee that may be incurred in the enforcement of the performance of said contract, or in the enforcement of the conditions and obligations of this bond, then this obligation shall be null and void, otherwise to be and remain in full force and virtue.

Witness our signatures and seals this the _____ day of _____ A.D. _____

_____
(Contractors) Principal

By _____

Title _____

(Contractor's Seal)

_____
Surety

By _____
(Signature) Attorney in Fact

Address: _____

_____

_____
(Printed) Mississippi Agent

_____
(Signature) Mississippi Agent

Address: _____

_____

_____
(Surety Seal)

_____
Mississippi Insurance ID Number

MDOT Certification Form for Sub-Awards
Executive Compensation Reporting for Transparency Act

On behalf of the entity named below, I certify that I have personally read and reviewed the executive compensation reporting requirements of the Federal Funding Accountability and Transparency Act of 2006, as amended by Section 6202 of the Government Funding Transparency Act of 2008 [FFATA], and certify under penalty of perjury pursuant to Section 97-9-61, Mississippi Code of 1972, as amended, the following:

Local Entity Name: City of Hattiesburg

Data Universal Numbering System (DUNS) Number : 07-944-8130 (required)

_X_ The local entity listed below receiving federal funds from MDOT **is not** required to report executive compensation under the Federal Funding Accountability and Transparency Act of 2006, as amended by Section 6202 of the Government Funding Transparency Act of 2008 [FFATA].

_____ The local entity listed below receiving federal funds from MDOT **is required** to report executive compensation under the Federal Funding Accountability and Transparency Act of 2006, as amended by Section 6202 of the Government Funding Transparency Act of 2008 [FFATA], listed below are the names and total annual compensation of the five most highly compensated officers of the city:

	NAME	TOTAL ANNUAL COMPENSATION
1.		
2.		
3.		
4.		
5.		

The LPA acknowledges that a false statement in this certification may be subject to criminal prosecution, including under 18 U.S.C. §§ 1001 (false statements) and 1621 (perjury), and 28 U.S.C. §1746 (declarations under penalty of perjury). The LPA also acknowledges that said projects, including certifications provided in connection with such projects and grants are subject to review by the Mississippi Department of Transportation, the Mississippi State Auditor, and the Mississippi Office of Attorney General.

LPA Chief Official

12/10/13
Date

Guidance for Federal Spending Transparency:
Subaward and Executive Compensation Data
Reporting Requirements for FFATA Implementation

Summary

1. Prime awardees and sub awardees of Federal financial assistance must report executive compensation data if they meet the statutory reporting thresholds. For the Federal-aid Highway Program, this means that the State, and any subawardees of Federal-aid funds through the State, is subject to the executive compensation reporting requirement.

• names and total compensation of the five most highly compensated officers of the entity if the entity in the preceding fiscal year received 80 percent or more of its annual gross revenues in Federal awards; and $25,000,000 or more in annual gross revenues from Federal awards; and the public does not have access to this information about the compensation of the senior executives of the entity through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. §§ 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. See FFATA § 2(b)(1).

Background

Beginning October 1, 2010, guidance directs compliance with the Transparency Act to report prime and first-tier subaward data. Federal agencies and prime awardees will report to ensure disclosure of Federal contract and grant subaward and executive compensation data.

The Transparency Act requires information disclosure concerning entities receiving Federal financial assistance through Federal awards such as Federal contracts, sub-contracts, grants, and sub-grants.

Specifically, the Transparency Act's section 2(b)(1) requires the Office of Management and Budget ("OMB") to ensure the establishment of a publicly available website that contains the following information about each Federal award:

• name of the entity receiving the award;

• amount of the award;

• information on the award including transaction type, funding agency, the North American Industry Classification System code or Catalog of Federal Domestic Assistance number, program source, award title descriptive of the purpose of each funding action;

• location of the entity receiving the award and primary location of performance under the award, including city, State, congressional district, and country;

• unique identifier of the entity receiving the award and the parent entity of the recipient, should the entity be owned by another entity; and

• names and total compensation of the five most highly compensated officers of the entity if the entity in the preceding fiscal year received 80 percent or more of its annual gross revenues in Federal awards; and $25,000,000 or more in annual gross revenues from Federal awards; and the public does not have access to this information about the compensation of the senior executives of the entity through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. §§ 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. See FFATA § 2(b)(1).

OCR-481-LPA
REV. 04/09

LPA PROJECT

DISADVANTGED BUSINESS ENTERPRISE LIST

PROJECT NUMBER :

NAME OF DBE FIRM: ☐ RACE CONSCIOUS ☐ RACE NEUTRAL

COUNTY:

CITY :

A	B	C
REFERENCE NUMBER OF ITEMS	PERCENT WORK SUBCONTRACTED , (SEE NOTE 4 & 5 BELOW)	VALUE OF ITEM (SUBCONTRACTED , MANUFACTURED OR SUPPLIED)
TOTAL		
PER CENT OF TOTAL BID		

*** I ACKNOWLEDGE AND COMMIT TO THE ITEMS AND PRICES STATED ABOVE. ***

SIGNATURE OF DBE | SIGNATURE OF PRIME

DATE APPROVED:

Prime Contractor Firm Name

APPROVED BY:

LPA Project Director Name (Printed) | Submitted By Name

LPA Project Director (Signature) | TITLE

I AGREE TO SUBCONTRACT OR PURCHASE MATERIAL FROM THE DBE FIRM LISTED ABOVE AND I MAKE THIS COMMITMENT WITH THE UNDERSTANDING THAT IF I FAIL FOR GOOD REASON TO FULFILL THIS COMMITMENT I HAVE LISTED I WILL FULFILL THE TERMS OF MY CONTRACT AS LONG AS I REACH OR EXCEED THE CONTRACT GOAL OF 5 **%.**

INSTRUCTIONS :

1. SUBMIT THIS FORM TO THE **LPA Project Director** ***FOR THEIR SIGNATURE*** NO LATER THAN THE TENTH (10) CALENDER DAY AFTER THE OPENING OF THE BIDS.
2. 60 % CREDIT IS ALLOWED TOWARD THE DBE GOAL FOR SUPPLIERS.
3. THE ACTUAL SUBCONTRACT AGREEMENT MUST EQUAL OR EXCEED THE DOLLAR AMOUNT SHOWN IN COLUMN " C ".
4. IF THE DBE FIRM PERFORMS " ALL OF THE WORK " PERTAINING TO A SUBCONTRACTED ITEM ENTER 100 % IN COLUMN " B ".
5. IF THE DBE FIRM PERFORMS " A PORTION OF THE WORK " PERTAINING TO A SUBCONTRACTED ITEM THE PERCENTAGE IS CALCULATED BASED ON THE TOTAL VALUE OF THE ITEM AND ENTERED IN COLUMN " B ". A BREAKDOWN OF THE COST MUST ACCOMPANY THIS SITUATION.

OCR-481-LPA
REV. 04/09

LPA PROJECT

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PROJECT NUMBER :

NAME OF DBE FIRM: ☐ RACE CONSCIOUS ☐ RACE NEUTRAL

COUNTY:

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PER CENT OF TOTAL BID		

*** I ACKNOWLEDGE AND COMMIT TO THE ITEMS AND PRICES STATED ABOVE. ***

SIGNATURE OF DBE

SIGNATURE OF PRIME

DATE APPROVED:

Prime Contractor Firm Name

APPROVED BY:

LPA Project Director Name (Printed)

Submitted By Name

LPA Project Director (Signature)

TITLE

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OCR-481-LPA
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COUNTY:

CITY :

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REFERENCE NUMBER OF ITEMS	PERCENT WORK SUBCONTRACTED , (SEE NOTE 4 & 5 BELOW)	VALUE OF ITEM (SUBCONTRACTED , MANUFACTURED OR SUPPLIED)
TOTAL		
PER CENT OF TOTAL BID		

*** I ACKNOWLEDGE AND COMMIT TO THE ITEMS AND PRICES STATED ABOVE. ***

SIGNATURE OF DBE

SIGNATURE OF PRIME

DATE APPROVED:

Prime Contractor Firm Name

APPROVED BY:

LPA Project Director Name (Printed)

Submitted By Name

LPA Project Director (Signature)

TITLE

I AGREE TO SUBCONTRACT OR PURCHASE MATERIAL FROM THE DBE FIRM LISTED ABOVE AND I MAKE THIS COMMITMENT WITH THE UNDERSTANDING THAT IF I FAIL FOR GOOD REASON TO FULFILL THIS COMMITMENT I HAVE LISTED I WILL FULFILL THE TERMS OF MY CONTRACT AS LONG AS I REACH OR EXCEED THE CONTRACT GOAL OF 5 **%.**

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OCR-485-LPA
REV. 04/09

LPA PROJECT

LIST OF FIRMS SUBMITTING QUOTES

I/we received quotes from the following firms on Project No: _____
County: _____

Disadvantaged Business Enterprise (DBE) Regulations as stated in 49 CFR 26.11 require the Mississippi Department of Transportation (MDOT) to create and maintain a comprehensive list of all firms quoting/bidding subcontracts on prime contracts and quoting/bidding subcontracts on federally-funded transportation projects. For every firm, we require the following information:

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
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_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

_____
SUBMITTED BY (Signature)

_____
FIRM NAME

Submit this form to the **LPA as a part of your bid package**. If this form is not included as part of the bid packet, your bid will be deemed irregular. For further information about this form, call Mississippi DOT's Office of Civil Rights at (601) 359-7466; FAX (601) 576-4504. **Please make copies of this form when needed and also add those copies to the bid package.**

OCR-485-LPA
REV. 04/09

LPA PROJECT

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Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

Firm Name: _____
Contact Name/Title: _____
Firm Mailing Address _____
Phone Number: _____
_____ DBE Firm _____ Non-DBE Firm

_____
SUBMITTED BY (Signature)

_____
FIRM NAME

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SECTION 901

ADVERTISEMENT

CITY OF HATTIESBURG
Forrest County, MISSISSIPPI

Federal Aid Project No. HPP-0210-00(015)LPA/105214-801000

The City Council of the City of Hattiesburg, Mississippi, will receive bids for Longleaf Trace – Phase III for a total project length of 2.109 miles, Federal Aid Project No. HPP-0210-00(015)LPA/105214-801000, no later than 10:00 A.M., Local Time, **OCTOBER 9TH, 2014**, at the Board Room located at 200 Forrest St., Hattiesburg, Mississippi. All bids so received will be publicly opened and read aloud.

> The work shall consist essentially of the following items:
> Construction of asphalt pavement, pipe, erosion control, fencing and miscellaneous items. All other related items of work required to complete the project as shown and specified in the Contract Documents.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all plant, labor, equipment and materials required by the specifications and the drawings referred to therein.

The attention of bidders is directed to the Contract Provisions governing selection and employment of labor. Minimum wage rates for Federal-Aid projects have been predetermined by the secretary of Labor and are subject to Public Law 87-581 Work Hours Act of 1962, as set forth in the Contract Provisions.

The City Council of Hattiesburg, Mississippi hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The award of this contract will be contingent upon the Contractor satisfying the DBE/WBE requirements.

The Contract Documents are on file and may be examined at the following location:

1. Shows, Dearman and Waits, Inc., 301 2nd Avenue, Hattiesburg Mississippi, 39401

All documents required for bidding purposes may be obtained from Shows, Dearman and Waits, Inc. located at 301 2nd Avenue, Hattiesburg Mississippi, 39401 (Mailing address: P.O. Box 1711, Hattiesburg, MS 39403-1711) upon payment of $250.00 for each set, which will not be refunded.

Each bid shall be accompanied by a Certified Check on a solvent bank or a Bidder's Bond issued by a Surety Company licensed to operate in the State of Mississippi, in the amount of five percent (5%) of the total bid price, payable to the City of Hattiesburg as bid security. Bidders shall also submit a current financial statement, if requested by the City. The successful bidder will be required to furnish a Contract Bond in the amount of one hundred percent (100%) of the contract amount.

The proposal and contract documents in its entirety shall be submitted in a sealed envelope and deposited with the City Clerk, 200 Forrest St., Hattiesburg, Mississippi prior to the hour and date above designated. No bidder may withdraw his bid within sixty (60) days after the date of actual bid opening, without Owner's consent.

Work to be performed shall be in accordance with the "Mississippi State Highway Standard Specifications for Road and Bridge Construction, 2004", together with all amendments and/or special provisions and/or addenda to the standards duly approved and adopted, unless otherwise noted in these specifications.

The attention of Bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

PUBLISHED by order of the Council on the 2nd day of September, A.D., 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY_____
Sharon Waits, Deputy City Clerk

PUBLISH on 9/5/2014 and 9/12/2014
City of Hattiesburg
Return PROOF to City Clerk's Office
P O Box 1898
Hattiesburg, MS 39403-1898

SECTION 901

ADVERTISEMENT

CITY OF HATTIESBURG
Forrest County, MISSISSIPPI

Federal Aid Project No. HPP-0210-00(015)LPA/105214-801000

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The work shall consist essentially of the following items:
Construction of asphalt pavement, pipe, erosion control, fencing and miscellaneous items. All other related items of work required to complete the project as shown and specified in the Contract Documents.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all plant, labor, equipment and materials required by the specifications and the drawings referred to therein.

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All documents required for bidding purposes may be obtained from Shows, Dearman and Waits, Inc. located at 301 2nd Avenue, Hattiesburg Mississippi, 39401 (Mailing address: P.O. Box 1711, Hattiesburg, MS 39403-1711) upon payment of $250.00 for each set, which will not be refunded.

Each bid shall be accompanied by a Certified Check on a solvent bank or a Bidder's Bond issued by a Surety Company licensed to operate in the State of Mississippi, in the amount of five percent (5%) of the total bid price, payable to the City of Hattiesburg as bid security. Bidders shall also submit a current financial statement, if requested by the City. The successful bidder will be required to furnish a Contract Bond in the amount of one hundred percent (100%) of the contract amount.

The proposal and contract documents in its entirety shall be submitted in a sealed envelope and deposited with the City Clerk, 200 Forrest St., Hattiesburg, Mississippi prior to the hour and date above designated. No bidder may withdraw his bid within sixty (60) days after the date of actual bid opening, without Owner's consent.

Work to be performed shall be in accordance with the "Mississippi State Highway Standard Specifications for Road and Bridge Construction, 2004", together with all amendments and/or special provisions and/or addenda to the standards duly approved and adopted, unless otherwise noted in these specifications.

The attention of Bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

PUBLISHED by order of the Council on the 2nd day of September, A.D., 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY Sharon Waits

Sharon Waits, Deputy City Clerk

PUBLISH on 9/5/2014 and 9/12/2014
City of Hattiesburg
Return PROOF to City Clerk's Office
P O Box 1898
Hattiesburg, MS 39403-1898

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1336

File ID:	2014-1336	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/25/2014
Brief Title:	HOME Manual Checks			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum.{Entitlement}

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	MEMORANDUM-Manual Checks-HOME, HOME Supporting Docs	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:		**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					

Text of Legislative File 2014-1336

Title

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum.{Entitlement}

Summary

HOME Manual Checks

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Andrew Ellard
Department of Federal & State Programs

SUBJECT: Authorize issuance of manual checks for HOME Program claims

DATE: August 25, 2014

The following request for payment is being submitted for approval during the City Council's September 2, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	**Jean Watts**
Activity:	Rehabilitation
Program:	HOME
Project Site:	200 Martin Luther King Ave.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation 8/16/2014 – 9/15/2014
Work Provided by:	n/a

Recipient:	**Elizabeth Edwards**
Activity:	Rehabilitation
Program:	HOME
Project Site:	712 Northhill Dr.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation 8/24/2014 – 9/23/2014
Work Provided by:	n/a

Recipient:	**Lula Wright**
Activity:	Rehabilitation
Program:	HOME
Project Site:	122 Cypress Ave.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation 9/2/2014 – 10/1/2014
Work Provided by:	n/a

Recipient:	**Darrell Gaddis**
Activity:	Rehabilitation
Program:	HOME
Project Site:	605 Broad St.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation – 9/1/2014 – 10/31/2014
Work Provided by:	n/a

Recipient:	**Sheila Ducksworth**
Activity:	Rehabilitation
Program:	HOME
Project Site:	107 Harrell St.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation – 9/15/2014 – 10/14/2014
Work Provided by:	n/a

Recipient:	**Smith's Remodeling**
Activity:	Rehabilitation
Program:	HOME
Project Site:	605 Broad St.
Amount Requested:	**$8,000.00**
Purpose of Request:	Draw #4
Work Provided by:	Smith's Remodeling

Recipient:	**Smith's Remodeling**
Activity:	Rehabilitation
Program:	HOME
Project Site:	200 Martin Luther King Ave.
Amount Requested:	**$15,000.00**
Purpose of Request:	Draw #1
Work Provided by:	Smith's Remodeling

Recipient:	**Norris Construction**
Activity:	Rehabilitation
Program:	HOME
Project Site:	122 Cypress Ave.
Amount Requested:	**$16,500.00**
Purpose of Request:	Draw #1
Work Provided by:	Norris Construction

Recipient:	**Hollimon Construction**
Activity:	Rehabilitation
Program:	HOME
Project Site:	712 Northhill Dr.
Draw #4	$6,500.00
C.O. #1	$3,100.00
Amount Requested:	**$9,600.00**
Purpose of Request:	Draw #4 & C.O. #1
Work Provided by:	Hollimon Construction

SMITH'S REMODELING

OWNER: JOHNNIE L. SMITH
Phone # (601) 408-3588

Address: 28 Pine Street
Hattiesburg, MS 39402

Job Performed For:
The City of Hattiesburg/Mr. Darrel Gaddis
605 Broad St.
Hattiesburg, MS 39401

Request: **4th draw for work done according to work write-up.**

1. Repairing of roof and installation of turbine vents
2. Installation of foundation vents
3. Replacement and installation of exterior and interior light fixtures
4. Repairing and replacement of needed windows
5. Installation of exterior door units
6. Replacement of kitchen cabinets/countertops and plumbing
7. Installation of carpet in bedrooms and refinishing of all needed wood floors
8. Replacement of attic entrance stairway
9. Repairing of walls and floors in utility; and installation of plumbing
10. Replacement of water heater

$8,000.00

Signature: _____

Date: August 21, 2014

SMITH'S REMODELING

OWNER: JOHNNIE L. SMITH
Phone # (601) 408-3588

Address: **28 Pine Street**
Hattiesburg, MS 39402

Job Performed For:
The City of Hattiesburg/Ms. Jean Watts
200 Martin Luther King Avenue
Hattiesburg, MS 39401

Request: **1st draw for work done according to work write-up.**

1. **Tear out of all interior sheetrock and dump and placement of needed studs**
2. **Rewiring of electrical and replacement of interior/exterior panel boxes**
3. **Installation of heat/light/vent**
4. **Repairing and painting of ceiling**
5. **Removal of carpet**

$15,000.00

Signature: _____

Date: August 25, 2014

08-25-14A10:13 RCVD

1st Draw
Lula Wright
122 Cypress

955672

STATEMENT

DATE 8/22/14

TERMS

TO City of Hattiesburg - Federal Programs/
ADDRESS P.O. Box 1898
Hattiesburg, MS. 39403

IN ACCOUNT WITH Norris Construction Company, Inc.
57 Carter Drive
Seminary, MS. 39479

Lula Wright Rehab
122 Cypress Ave.
Hattiesburg, MS. 39401

1. Exterior Rough-IN	1,250	00
2. Plumbing/Crawlspace Rough-IN	2,000	00
3. Mechanical Rough IN	3,000	00
4. Electrical Rough-IN	2,750	00
5. Bathroom Rough-IN	1,500	00
Total Amt. Due →	$11,500.00	

adams DC5812

Hollimon Construction

Curtis Hollimon
145 Hinton Drive
Hattiesburg, MS 39401

Draw #4

Elizabeth Edwards
712 North Hill Drive
Hattiesburg, MS 39401

- Refurbish pantry in kitchen
- Install new door unit in bedroom #2
- Install petition between hot water heater and heat unit
- Install new metal door unit in carport
- Install new storm door in carport
- ~~Install new heat and air unit~~ ← covered by Change Order #2 ($3,100)

  Material & Labor: ~~$9,600.00~~ $6,500.00 6/25/14

Curtis Hollimon

Hollimon Construction

Curtis Hollimon
145 Hinton Drive
Hattiesburg, MS 39401

Change Order #1

Elizabeth Edwards
712 North Hill Drive
Hattiesburg, MS 39401

Change orders for 712 North Hill Drive

- Install new heat and air unit
  $3,100.00

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1335

File ID:	2014-1335	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/25/2014
Brief Title:	CDBG Manual Checks			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum.{Entitlement}

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	MEMORANDUM-Manual Checks-CDBG, CDBG Supporting Docs	**Enactment Number:**	
Contact:		**Meeting Date:**	09/02/2014
Drafter:		**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					

Text of Legislative File 2014-1335

Title

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum.{Entitlement}

Summary

CDBG Manual Checks

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Andrew Ellard
Department of Federal & State Programs

SUBJECT: Authorize issuance of manual checks for CDBG Program claims

DATE: August 22, 2014

The following request for payment is being submitted for approval during the City Council's September 2, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	**Specialty Abatement Services, Inc.**
Activity:	Demolition
Program:	CDBG
Project Site:	1004 Southern Ave. (from 2014 List #1)
Amount Requested:	**$2,868.00**
Purpose of Request:	Abatement of asbestos discovered on site
Work Provided by:	Specialty Abatement

Recipient:	**Bonner Analytical**
Activity:	Demolition
Program:	CDBG
Project Site:	607 & 609 E 2nd St (from 2014 List #2)
Amount Requested:	**$50.00**
Purpose of Request:	Asbestos testing
Work Provided by:	Bonner Analytical

Recipient:	**Gladys Jemison**
Activity:	Rehabilitation
Program:	CDBG
Project Site:	701 Tuscan Ave.
Amount Requested:	**$650.00**
Purpose of Request:	Temporary Relocation – 8/15/2014 – 9/14/2014
Work Provided by:	n/a

Recipient:	**Breakthrough Community Services**
Activity:	Emergency Repair
Program:	CDBG
Project Site:	205 Eupora Street
Amount Requested:	**$5,000.00**
Purpose of Request:	Draw #1
Work Provided by:	Hollimon Construction

Recipient:	**Breakthrough Community Services**
Activity:	Emergency Repair
Program:	CDBG
Project Site:	2411 Alive Drive
Amount Requested:	**$2,000.00**
Purpose of Request:	Draw #1
Work Provided by:	Jerry Arrington

Recipient:	**Breakthrough Community Services**
Activity:	Public Services
Program:	CDBG
Project Site:	1313 Country Club Road
Amount Requested:	**$3,735.82**
Purpose of Request:	Draw #1
Work Provided by:	Breakthrough Community Services

Specialty Abatement Services, Inc.

I Invoice

Please make Check To Specialty Abatement Services Inc.
Thank you for your business !

Tax ID # 6 4 0 8 0 2 3 3 3
Phone # 601-264-5550

To
Randy Jordan
City Of Hattiesburg
PO Box 1248
Hattiesburg , Ms
60.1-554-1026

Attn:
Randy Jordan
601-554-1026

Invoice **14-08036-01**

Invoice Date **08/15/14**

Amount Due **$2,868.00**

@ 1004 Southern Ave.

PO #
Signed proposal # 141108

Description of Services
The cleaning of approx 3,825 sqft lot of transite material that had been scattered over the area .

TOTAL = $2,868.00

Terms
100% DUE WITHIN 30 DAYS

RD

Due date
UPON RECEIVING

P. O. Box 15925
Hattiesburg, MS 39404-5925
601-264-5550
601-264-5344 Fax

BONNER ANALYTICAL
2703 Oak Grove Rd.
Hattiesburg, MS 39402

Invoice

Customer No.: HATT
Invoice No.: 56305

Bill To: **CITY OF HATTIESBURG**
ACCOUNTING DEPT
P O BOX 1898
HATTIESBURG, MS 39403-1898

Ship To: **CITY OF HATTIESBURG**
ATTN: ANDREW ELLARD
P O BOX 1898
HATTIESBURG, MS 39403-1898

Date	Ship Via	F.O.B.	Terms
08/21/14		Origin	

Purchase Order Number	Order Date	Sales Person	Our Order Number
	08/21/14		

Quantity Required	Shipped	B.O.	Item Number	Description	Unit Price	Amount
				609 E. 2ND STREET - SIDING SAMPLE RECEIVED 08-13-14		
1	1		50	ASBESTOS ANALYSIS @ $15 PER INITIAL LAYER	15.00	15.00
1	1		51	ASBESTOS ANALYSIS @ $10 PER SUBSEQUENT LAYER	10.00	10.00
				Invoice subtotal		25.00
				Invoice total		25.00

Thank You

BONNER ANALYTICAL
2703 Oak Grove Rd.
Hattiesburg, MS 39402

Invoice

Customer No.: HATT
Invoice No.: 56306

Bill To: **CITY OF HATTIESBURG**
ACCOUNTING DEPT
P O BOX 1898
HATTIESBURG, MS 39403-1898

Ship To: **CITY OF HATTIESBURG**
ATTN: ANDREW ELLARD
P O BOX 1898
HATTIESBURG, MS 39403-1898

Date	Ship Via	F.O.B.	Terms
08/21/14		Origin	

Purchase Order Number	Order Date	Sales Person	Our Order Number
	08/21/14		

Quantity Required	Shipped	B.O.	Item Number	Description	Unit Price	Amount
				607 E. 2ND STREET SAMPLE RECEIVED 08-13-14		
1	1		50	ASBESTOS ANALYSIS @ $15 PER INITIAL LAYER	15.00	15.00
1	1		51	ASBESTOS ANALYSIS @ $10 PER SUBSEQUENT LAYER	10.00	10.00
				Invoice subtotal		25.00
				Invoice total		25.00

Thank You

"Breaking the Shackles of Poverty through Services"

INVOICE
REIMBURSEMENT

Breakthrough Community Services, Inc.
1313 Country Club Road
Hattiesburg, MS 39401
P 601-582-3475
F 601-582-0149

BILL TO:
City of Hattiesburg
Department of Federal & State Programs
P. O. Box 1898, Hattiesburg, MS 39401
Phone: 601.545.4558

Project	Contractor	Property Address	Invoice	Date
Emergency Repair	Hollimon Construction	205 Eupora Street	01	Aug. 22 ,2014

Quantity	Description	Unit Price	Total
	Emergency Repair work – see invoice attached for repairs listed		
1	**Repairs completed - exterior repairs: roof completed, painting, and siding complete**	3,160	3,160.00
1	**Labor**	1,840	1,840.00
			$5,000.00

Make all checks payable to **Breakthrough Community Services, Inc.**

THANK YOU FOR YOUR BUSINESS!

"Breaking the Shackles of Poverty through Services"

INVOICE
REIMBURSEMENT

Breakthrough Community Services, Inc.
1313 Country Club Road
Hattiesburg, MS 39401
P 601-582-3475
F 601-582-0149

BILL TO:
City of Hattiesburg
Department of Federal & State Programs
P. O. Box 1898, Hattiesburg, MS 39401
Phone: 601.545.4558

Project	Contractor	Property Address	Invoice	Date
Emergency Repair	J & J Construction	2411 Alice Drive	01	August 21, 2014

Quantity	Description	Unit Price	Total
1	Emergency Repair work completed – see invoice attached for repairs listed		
1	Exterior work completed Installed smoke detectors, rehung front door in living room and sealed, bathroom completed, installed GFCI in master bedroom/bath – all work completed in this area. Exterior front porch repairs completed	2,000	2,000
			$2,000.00

Make all checks payable to **Breakthrough Community Services, Inc.**

THANK YOU FOR YOUR BUSINESS!

"Breaking the Shackles of Poverty Through Services"

INVOICE
REIMBURSEMENT

Breakthrough Community Services, Inc.
1313 Country Club Road
Hattiesburg, MS 39401
P 601-582-3475
F 601-582-0149

BILL TO:
City of Hattiesburg
Department of Federal & State Programs
P. O. Box 1898, Hattiesburg, MS 39401
Phone: 601.545.4558

Project	Invoice	Billing Period
Public Service Grant – Utility Assistance Program	**01**	**July 31, 2014 – August 22, 2014**

Quantity	Description	Unit Price	Total
1	**Reimbursement for Utility Assistance Program – Public Service Grant** ***Assisted 38 individuals who met HUD's limited clientele definition. These individuals were all below 30-50% of income guideline limits and (1) 62 or older and/or (2) disabled. Proof of income and disability is verified.**	**1**	**3,735.82**
			$ 3, 735.82

Make all checks payable to **Breakthrough Community Services, Inc.**

THANK YOU FOR YOUR BUSINESS!

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2014-1339

File ID:	2014-1339	**Type:**	Regular Agenda Item	**Status:**	Agenda Ready
Version:	1	**Reference:**		**In Control:**	City Council
				File Created:	08/26/2014
Brief Title:	Claims Docket			**Final Action:**	
				Minute Book Number:	MB2014-257

Title:
Approve claims docket for the period ending August 31, 2014.

Notes:

Sponsors:		**Enactment Date:**	
Attachments:	Copy of DOCKET 14 08-31	**Enactment Number:**	
Contact:		**Meeting Date:**	
Drafter:	Kermas Eaton	**Effective Date:**	

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014					

Text of Legislative File 2014-1339

Title

Approve claims docket for the period ending August 31, 2014.

Summary

Claims Docket.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

CITY OF HATTIESBURG
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GENERAL FUND								
00001	ADVANCE AUTO PARTS	560442397624	00145229	13007591	CAR OPENING KITS FIRE DEPT	08/31/14	239955	152.80-
00001	ADVANCE AUTO PARTS	560442397624	00145229	13007601	CREDIT	08/31/14	239955	151.20
ADVANCE AUTO PARTS								
Sum								1.60-
00001	ADVANCED JANITORIAL SERV	20318 CITY H	00145278	13007444	SERV 8/14 CITY HALL	08/31/14	239956	1,925.00-
00001	ADVANCED JANITORIAL SERV	20318 TRAFFI	00145278	13007445	SERV 8/14 TRAFFIC	08/31/14	239956	250.00-
ADVANCED JANITORIAL SERV								
Sum								2,175.00-
00001	AGGIE'S CONSTRUCTION	PO#145187 8/	00145187	13007575	STORM DRAIN PARK AVE BUS STOP	08/31/14	239957	1,750.00-
AGGIE'S CONSTRUCTION								
Sum								1,750.00-
00001	AGRI-AFC LLC	5070074	00145305	13007566	HERBICIDE CEMETERY	08/31/14	239958	590.00-
AGRI-AFC LLC								
Sum								590.00-
00001	AIRGAS USA LLC (NORDAN S	9030634374	00145137	13007594	FLOWMETER FOR SHOP	08/31/14	239959	109.24-
00001	AIRGAS USA LLC (NORDAN S	9030496411	00144528	13007595	WELDING SUPP SHOP STOCK	08/31/14	239959	539.82-
AIRGASUSA LLC (NORDAN S								
Sum								649.06-
00001	ALL SOUTH PORTABLE SANIT	14355	00142194	13007409	PORTALETS MED CLINIC 4-6/14	08/31/14	239960	225.00-
ALL SOUTH PORTABLE SANIT								
Sum								225.00-
00001	ALLBRITTON CHAIN SAW & L	PO#145200 8/	00145200	13007563	CHAINSAW REPR PUBLIC WORKS	08/31/14	239961	85.45-
ALLBRITTON CHAIN SAW & L								
Sum								85.45-
00001	ANDERSON RETAIL INC	98958	00145290	13007565	BLDG SUPP 4TH ST MED CLINIC	08/31/14	239962	239.98-
00001	ANDERSON RETAIL INC	98996	00145341	13007597	PAINT SUPP 4TH ST MED CLINIC	08/31/14	239962	89.10-
ANDERSON RETAIL INC								
Sum								329.08-
00001	ASH MILLWORKS	39078	00144722	13007501	PLYWOOD CONSTR DEPT	08/31/14	239964	297.42-
ASH MILLWORKS								
Sum								297.42-
00001	AT&T	M26684200105	00145145	13007398	INTERACT SOFTWARE SUPPORT	08/31/14	239965	871.00-
00001	AT&T	M26491400105	00145145	13007399	INTERACT SOFTWARE SUPPORT	08/31/14	239965	47.00-
AT&T								
Sum								918.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	AT&T MOBILITY	137065628-6	00145347	13007514	U-VERSE INTERNET FEE 7/25/14	08/31/14	239966	20.66-
AT&T MOBILITY								
Sum								20.66-
00001	AUTO ARMATURE SERVICE IN	16014	00144926	13007340	BATTERY U#13175 SANIT	08/31/14	239967	131.95-
00001	AUTO ARMATURE SERVICE IN	16036	00145057	13007380	ALTERNATOR U#10690 CONSTR	08/31/14	239967	99.95-
00001	AUTO ARMATURE SERVICE IN	15771	00144470	13007494	BATTERY U#17354 POLICE	08/31/14	239967	157.95-
00001	AUTO ARMATURE SERVICE IN	16301	00145351	13007608	BATTERY U#14808 CEMETERY	08/31/14	239967	139.95-
AUTO ARMATURE SERVICE IN								
Sum								529.80-
00001	AUTOMOTIVE GLASS SPECIAL	I149111	00144836	13007569	MIRROR REPR U#7868 CEMETERY	08/31/14	239968	180.00-
AUTOMOTIVE GLASS SPECIAL								
Sum								180.00-
00001	B & F TACTICAL STORE	363	00144299	13007293	S/S SHIRTS POLICE STOCK	08/31/14	239969	1,625.00-
B & FTACTICAL STORE								
Sum								1,625.00-
00001	BARDING GENERATOR & STAR	156538	00145115	13007375	ALTERNATOR U#13933 FIRE DEPT	08/31/14	239971	425.00-
BARDING GENERATOR & STAR								
Sum								425.00-
00001	BIG IRON DIESEL REPAIR L	SO1887	00145128	13007599	REPRS U#17724 SANIT	08/31/14	239976	2,366.89-
BIG IRON DIESEL REPAIR L								
Sum								2,366.89-
00001	BIG 10 TIRE & ACCESSORIE	10868	00144949	13007552	INSTALL STEPS U#14245 VAN	08/31/14	239977	337.50-
BIG 10TIRE & ACCESSORIE								
Sum								337.50-
00001	BODY TECH INC	11518	00145055	13007331	TOWING U#15777 POLICE	08/31/14	239978	65.00-
00001	BODY TECH INC	PO#144739 8/	00144739	13007365	WRECK REPR U#18322 POLICE	08/31/14	239978	2,461.30-
00001	BODY TECH INC	11562	00145412	13007583	TOWING UJ#17312 POLICE	08/31/14	239978	55.00-
BODY TECH INC								
Sum								2,581.30-
00001	BONNER ANALYTICAL TESTIN	56304	00145201	13007421	ASBESTOS TEST 922 ELIZABETH	08/31/14	239979	25.00-
BONNERANALYTICAL TESTIN								
Sum								25.00-
00001	BRACKMAN MOWER WAREHOUSE	0132702	00144631	13007297	BATTERY U#18891 MOWER	08/31/14	239980	42.00-
00001	BRACKMAN MOWER WAREHOUSE	0133122	00144871	13007301	TRIMMER OIL HEALTH DIV	08/31/14	239980	108.00-
00001	BRACKMAN MOWER WAREHOUSE	0133040	00144715	13007302	REPR TRIMMERS AIRPORT MAINT	08/31/14	239980	100.00-
00001	BRACKMAN MOWER WAREHOUSE	0133337	00145081	13007428	REPR PTS U#18707 STREET	08/31/14	239980	197.37-
BRACKMAN MOWER WAREHOUSE								
Sum								447.37-
00001	BUNKER GEAR SPECIALISTS	21094	00145009	13007525	RECHARGABLE BATTERIES ACDMY	08/31/14	239986	290.40-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
BUNKERGEAR SPECIALISTS								
Sum								290.40-
00001	BURNS COOLEY DENNIS, INC	25071	00145484	13007612	SRV 12/29/13-1/25/14 AIRPORT	08/31/14	239988	8,000.00-
BURNSCOOLEY DENNIS, INC								
Sum								8,000.00-
00001	C D W GOVERNMENT	NT40260	00144901	13007522	UNITRENDS YEARLY MAINT	08/31/14	239989	4,450.00-
00001	C D W GOVERNMENT	NN80025	00144651	13007532	TABLET FOR ENGINEER	08/31/14	239989	1,423.85-
00001	C D W GOVERNMENT	NT12426	00144651	13007533	TABLET FOR ENGINEER	08/31/14	239989	150.00-
C D WGOVERNMENT								
Sum								6,023.85-
00001	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13007542	CELL SERV 7/14 GENERAL	08/31/14	239990	7,731.63-
C SPIRE WIRELESS (CELLUL								
Sum								7,731.63-
00001	CANON FINANCIAL SERVICES	14079874	00145156	13007397	COPIER 8/14 PURCHASING	08/31/14	239992	115.00-
CANONFINANCIAL SERVICES								
Sum								115.00-
00001	CANON SOLUTIONS AMERICA	789410	00145154	13007396	COPIER OVERAGE 8/14 PURCH	08/31/14	239993	33.87-
CANONSOLUTIONS AMERICA								
Sum								33.87-
00001	CARQUEST AUTO PARTS STOR	14758-33343	00145140	13007417	REPR PTS U#16758 POLICE	08/31/14	239995	165.64-
00001	CARQUEST AUTO PARTS STOR	14758-32792	00144930	13007432	REPR PTS SANIT STOCK	08/31/14	239995	32.96-
00001	CARQUEST AUTO PARTS STOR	14758-33239	00145076	13007433	REPR PTS U#14677 SANIT	08/31/14	239995	204.22-
00001	CARQUEST AUTO PARTS STOR	14758-33238	00145076	13007434	REPR PTS U#14677 SANIT	08/31/14	239995	49.44-
CARQUEST AUTO PARTS STOR								
Sum								452.26-
00001	CITY OF HATTIESBURG FUND	TRF TO CORRE	02014706	13007320	TRF TO CORRECT DEP ERROR	08/18/14	19061	1,569.51-
00001	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13007348	TRF 2ND 8/14 PAYROLL	08/20/14	19062	1,091,582.28-
CITY OF HATTIESBURG FUND								
Sum								1,093,151.79-
00001	CITY OF HATTIESBURG FUND	TRF ST/MS CD	02014732	13007349	TRF ST/MS CDBG W/W TREAT	08/20/14	19063	42,492.86-
CITY OF HATTIESBURG FUND								
Sum								42,492.86-
00001	COBURN'S SUPPLY CO INC	607177838	00145021	13007498	WATER COOLER PUBLIC WORKS	08/31/14	239997	387.50-
COBURN'S SUPPLY CO INC								
Sum								387.50-
00001	COMMERCIAL STATIONERY CO	361007-0	00143926	13007332	OFFICE SUPP P/F ACADEMY	08/31/14	239998	418.14-
00001	COMMERCIAL STATIONERY CO	361007-1	00143926	13007333	OFFICE SUPP P/F ACADEMY	08/31/14	239998	103.77-
00001	COMMERCIAL STATIONERY CO	361007-0(B)	00143926	13007347	OFFICE SUPP P/F ACADEMY	08/31/14	239998	166.89-
00001	COMMERCIAL STATIONERY CO	363146-0	00145380	13007589	FOLDERS FOR EMPLOYEES	08/31/14	239998	232.76-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMERCIAL STATIONERY CO								
Sum								921.56-
00001	COMSOUTH	174726	00144891	13007527	EMER LIGHTS U#19835 FIRE	08/31/14	239999	2,224.66-
COMSOUTH								
Sum								2,224.66-
00001	COURTESY MOTORS INC	421203	00145283	13007600	REPR PTS U#15963 AIRPORT	08/31/14	240002	137.86-
COURTESY MOTORS INC								
Sum								137.86-
00001	CRAIN TRACTOR & EQUIPMEN	R064888	00144973	13007606	REPRS U#15514 STREET	08/31/14	240005	1,744.00-
CRAINTRACTOR & EQUIPMEN								
Sum								1,744.00-
00001	CUSTOM GUIDE	21448	00145129	13007407	ONLINE LEARNING P/W STAFF	08/31/14	240007	625.00-
00001	CUSTOM GUIDE	21457 MCKINL	00145224	13007506	ONLINE CLASS REG MCKINLEY	08/31/14	240007	125.00-
CUSTOMGUIDE								
Sum								750.00-
00001	D P S CRIME LAB	900000771	00145407	13007581	ANALYTICAL SERVS 8/14 POLICE	08/31/14	240008	350.00-
D P SCRIME LAB								
Sum								350.00-
00001	DAVIS GLASS	1456	00144998	13007300	WINDSHIELD U#15480 CONSTR	08/31/14	240009	165.00-
DAVISGLASS								
Sum								165.00-
00001	DAWSON, JOSEPH	TRAV ADVANCE	00145211	13007427	TRAV ADV MACE CONF GULFPORT	08/31/14	240010	82.00-
DAWSON, JOSEPH								
Sum								82.00-
00001	DILLARDS DEPARTMENT STOR	P933600K000X	00144465	13007524	CLOTH ALLOW SIMS POLICE DEPT	08/31/14	240012	488.19-
DILLARDS DEPARTMENT STOR								
Sum								488.19-
00001	DORNAN LAW OFFICE, PLLC	3382-13	00145343	13007517	SRVS PRECISION CONSTR V CITY	08/31/14	240016	7,032.74-
DORNANLAW OFFICE, PLLC								
Sum								7,032.74-
00001	DUNAGIN PEST CONTROL(PRE	8803727	00145038	13007342	SENTRICON SERV AIRPT TERMINAL	08/31/14	240019	54.00-
DUNAGIN PEST CONTROL(PRE								
Sum								54.00-
00001	DUPREE, JOHNNY MAYOR	TRAVEL REIMB	00145330	13007515	EPA TRAVEL REIMB WASHINGTON	08/31/14	240020	858.88-
DUPREE, JOHNNY MAYOR								
Sum								858.88-
00001	EATON, KERMAS	PETTY CASH 7	00145397	13007576	PETTY CASH VARI DEPTS	08/31/14	240021	158.84-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
EATON,KERMAS								
Sum								158.84-
00001	ECONOMY SUPPLY CO	217562	00144824	13007495	GENERATOR TO RUN TIMING MACH	08/31/14	240022	480.00-
ECONOMY SUPPLY CO								
Sum								480.00-
00001	EMERGENCY EQUIPMENT PROF	411210	00144399	13007370	REPR PTS U#14517 FIRE DEPT	08/31/14	240024	348.50-
00001	EMERGENCY EQUIPMENT PROF	411221	00144313	13007377	TROUBLE SHOOT FIRE UNITS	08/31/14	240024	100.00-
00001	EMERGENCY EQUIPMENT PROF	411222	00144313	13007378	REPRS U#11353 & U#18098	08/31/14	240024	295.00-
00001	EMERGENCY EQUIPMENT PROF	411211	00144399	13007384	REPR PTS U#147517 FIRE DEPT	08/31/14	240024	348.50-
00001	EMERGENCY EQUIPMENT PROF	C10523	00144399	13007385	CREDIT INV#411210	08/31/14	240024	348.50
00001	EMERGENCY EQUIPMENT PROF	411220	00144313	13007386	REPRS U#11353 & U#18098	08/31/14	240024	393.25-
00001	EMERGENCY EQUIPMENT PROF	C10524	00144313	13007387	CREDIT INV#144091	08/31/14	240024	100.00
00001	EMERGENCY EQUIPMENT PROF	C10525	00144313	13007388	CREDIT INV#411098	08/31/14	240024	295.00
EMERGENCY EQUIPMENT PROF								
Sum								741.75-
00001	EMERGENCY VETS	26801	00145054	13007344	DOG EUTHANASIA	08/31/14	240025	38.15-
EMERGENCY VETS								
Sum								38.15-
00001	EXPRESS PRESS	25850	00144218	13007330	S/S SPORT SHIRTS STOCK	08/31/14	240026	1,190.00-
EXPRESS PRESS								
Sum								1,190.00-
00001	FARRELL-CALHOUN	8476	00145131	13007416	PAINT SUPP MUSTER ROOM	08/31/14	240027	39.50-
00001	FARRELL-CALHOUN	8512	00145272	13007534	PAINT SUPP 4TH ST MED CLINIC	08/31/14	240027	129.17-
FARRELL-CALHOUN								
Sum								168.67-
00001	FASTENAL COMPANY	MSHAT173592	00144921	13007337	SPRAY PAINT SUPP TRAFFIC	08/31/14	240028	867.66-
00001	FASTENAL COMPANY	MSHAT173594	00144863	13007338	CONCRETE SAW BLADES	08/31/14	240028	94.27-
00001	FASTENAL COMPANY	MSHAT173595	00144870	13007531	SAFETY GLASSES/TOOLS	08/31/14	240028	226.25-
FASTENAL COMPANY								
Sum								1,188.18-
00001	FEDERAL EXPRESS	2-733-16929A	00145153	13007392	SERV 7/24/14 WAITS M/ADM	08/31/14	240029	24.00-
00001	FEDERAL EXPRESS	2-733-16929B	00145153	13007393	SERV 7/21/14 POLK ENGR	08/31/14	240029	20.04-
00001	FEDERAL EXPRESS	2-747-47322B	00145155	13007394	SERV 8/6/14 BROWN MPO	08/31/14	240029	17.57-
00001	FEDERAL EXPRESS	2-747-47322A	00145155	13007411	SERV 8/8/14 WAITS M/ADM	08/31/14	240029	17.68-
FEDERAL EXPRESS								
Sum								79.29-
00001	FERGUSON ENTERPRISES INC	1255877	00145083	13007502	PLUMB SUPP CONSTR DEPT	08/31/14	240030	107.52-
FERGUSON ENTERPRISES INC								
Sum								107.52-
00001	FIELDER, DAVID	TRAVEL REIMB	00145383	13007553	EXPNS FIRE SERV INSPECTOR CLS	08/31/14	240031	100.56-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
FIELDER, DAVID								
Sum								100.56-
00001	FORESTRY SUPPLIERS INC	642587-00	00144911	13007296	MINOR EQUIP #7 FIRE STA	08/31/14	240032	62.80-
FORESTRY SUPPLIERS INC								
Sum								62.80-
00001	FORREST CTY CHANCERY COU	RECORDING FE	00145266	13007447	RECORDING FEES LAND CODE	08/31/14	240033	186.00-
00001	FORREST CTY CHANCERY COU	RECORDING FE	00145362	13007584	RESOLUTIONS/CANCELLATIONS LDC	08/31/14	240034	489.00-
FORREST CTY CHANCERY COU								
Sum								675.00-
00001	FRANK'S SAWMILL INC	PO#144499 8/	00144499	13007592	OAK BOARDS-TRAILER U#15210	08/31/14	240035	520.00-
FRANK'S SAWMILL INC								
Sum								520.00-
00001	FROST, CURANDA	TRAV ADVANCE	00145205	13007422	TRAV ADV MACE CONF GULFPORT	08/31/14	240036	174.96-
FROST,CURANDA								
Sum								174.96-
00001	FUELMAN OF MS	BG127044 NP4	00145052	13007329	FUEL CHG 7/28-8/3 POLICE	08/31/14	240037	14.15-
00001	FUELMAN OF MS	BG127044 NP4	00145077	13007363	FUEL CHG 8/4-10/14 POLICE	08/31/14	240037	102.28-
00001	FUELMAN OF MS	BG127044 NP4	00145208	13007420	FUEL CERT CONF STARKVILLE	08/31/14	240037	36.67-
00001	FUELMAN OF MS	BG127044 NP4	00145303	13007446	FUEL CHG 7/28,7/31 FED PROG	08/31/14	240037	66.22-
00001	FUELMAN OF MS	BG127044 NP4	00145394	13007578	FUEL CHGS 8/11-17/14 POLICE	08/31/14	240037	41.31-
FUELMAN OF MS								
Sum								260.63-
00001	G & K SERVICES	1035509077	00145049	13007307	UNIFORMS 7/08 TRAFFIC	08/31/14	240045	37.11-
00001	G & K SERVICES	1035511252	00145049	13007308	UNIFORMS 7/15 TRAFFIC	08/31/14	240045	103.26-
00001	G & K SERVICES	1035513467	00145049	13007309	UNIFORMS 7/22 TRAFFIC	08/31/14	240045	32.95-
00001	G & K SERVICES	1035515644	00145049	13007310	UNIFORMS 7/29 TRAFFIC	08/31/14	240045	127.36-
00001	G & K SERVICES	1035509078	00145049	13007311	UNIFORMS 7/08 CONSTR	08/31/14	240045	150.99-
00001	G & K SERVICES	1035511253	00145049	13007312	UNIFORMS 7/15 CONSTR	08/31/14	240045	100.46-
00001	G & K SERVICES	1035113468	00145049	13007313	UNIFORMS 7/22 CONSTR	08/31/14	240045	67.40-
00001	G & K SERVICES	1035515645	00145049	13007314	UNIFORMS 7/29 CONSTR	08/31/14	240045	51.24-
00001	G & K SERVICES	1035509079	00145049	13007315	MATS 7/08 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035511254	00145049	13007316	MATS 7/15 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035513469	00145049	13007317	MATS 7/22 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035515646	00145049	13007318	MATS 7/29 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517843	00145241	13007453	UNIFORMS 8/05 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035517860	00145241	13007454	UNIFORMS 8/05 STREET	08/31/14	240045	116.99-
00001	G & K SERVICES	1035517857	00145241	13007455	UNIFORMS 8/05 STREET	08/31/14	240045	54.16-
00001	G & K SERVICES	1035517861	00145241	13007456	UNIFORMS 8/05 GO&FS	08/31/14	240045	53.33-
00001	G & K SERVICES	1035517844	00145241	13007457	UNIFORMS 8/05 CONSTR	08/31/14	240045	49.61-
00001	G & K SERVICES	1035517859	00145241	13007458	UNIFORMS 8/05 SANIT	08/31/14	240045	117.75-
00001	G & K SERVICES	1035517856	00145241	13007459	UNIFORMS 8/05 ST CLEAN	08/31/14	240045	18.28-
00001	G & K SERVICES	1035517858	00145241	13007460	UNIFORMS 8/05 HEALTH	08/31/14	240045	22.54-
00001	G & K SERVICES	1035517864	00145241	13007461	UNIFORMS 8/05 AIRPORT	08/31/14	240045	12.70-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	G & K SERVICES	1035520021	00145243	13007462	UNIFORMS 8/12 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035520039	00145243	13007463	UNIFORMS 8/12 STREET	08/31/14	240045	124.82-
00001	G & K SERVICES	1035520035	00145243	13007464	UNIFORMS 8/12 STREET	08/31/14	240045	54.16-
00001	G & K SERVICES	1035520038	00145243	13007465	UNIFORMS 8/12 HEALTH	08/31/14	240045	53.33-
00001	G & K SERVICES	1035520034	00145243	13007466	UNIFORMS 8/12 DRNGE	08/31/14	240045	18.28-
00001	G & K SERVICES	1035520022	00145243	13007467	UNIFORMS 8/12 CONSTR	08/31/14	240045	48.48-
00001	G & K SERVICES	1035520037	00145243	13007468	UNIFORMS 8/12 SANIT	08/31/14	240045	136.64-
00001	G & K SERVICES	1035520036	00145243	13007469	UNIFORMS 8/12 HEALTH	08/31/14	240045	22.54-
00001	G & K SERVICES	1035520042	00145243	13007470	UNIFORMS 8/12 AIRPORT	08/31/14	240045	12.70-
00001	G & K SERVICES	1035522221	00145250	13007471	UNIFORMS 8/19 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035522235	00145250	13007472	UNIFORMS 8/19 STREET	08/31/14	240045	54.79-
00001	G & K SERVICES	1035522239	00145250	13007473	UNIFORMS 8/19 SHOP	08/31/14	240045	53.12-
00001	G & K SERVICES	1035522234	00145250	13007474	UNIFORMS 8/19 GO&FS	08/31/14	240045	18.24-
00001	G & K SERVICES	1035522238	00145250	13007475	UNIFORMS 8/19 DRNGE	08/31/14	240045	117.77-
00001	G & K SERVICES	1035522222	00145250	13007476	UNIFORMS 8/19 CONSTR	08/31/14	240045	85.38-
00001	G & K SERVICES	1035522237	00145250	13007477	UNIFORMS 8/19 SANIT	08/31/14	240045	144.13-
00001	G & K SERVICES	1035522236	00145250	13007478	UNIFORMS 8/19 HEALTH	08/31/14	240045	22.50-
00001	G & K SERVICES	1035522242	00145250	13007479	UNIFORMS 8/19 AIRPORT	08/31/14	240045	12.66-
00001	G & K SERVICES	1035522240	00145246	13007480	MATS 8/19 GO&FS	08/31/14	240045	16.65-
00001	G & K SERVICES	1035522241	00145246	13007481	MOP/MAT 8/19 GO&FS	08/31/14	240045	21.80-
00001	G & K SERVICES	1035522223	00145246	13007482	MOP/MAT 8/19 GO&FS	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517845	00145240	13007483	MATS 8/05 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517863	00145240	13007484	MATS 8/05 SANIT	08/31/14	240045	21.80-
00001	G & K SERVICES	1035517862	00145240	13007485	MATS 8/05 SANIT	08/31/14	240045	16.65-
00001	G & K SERVICES	1035520023	00145242	13007486	MATS 8/12 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035520041	00145242	13007487	MATS 8/12 SANIT	08/31/14	240045	21.80-
00001	G & K SERVICES	1035520040	00145242	13007488	MATS 8/12 SANIT	08/31/14	240045	16.65-
00001	G & K SERVICES	1035522220	00145464	13007611	UNIFORM/MATS 8/19 ENGR	08/31/14	240045	9.00-
G & KSERVICES								
Sum								2,354.76-
00001	GALL'S INC	002271896	00144720	13007294	CROSSING GUARD TRAFFIC VESTS	08/31/14	240046	236.85-
GALL'SINC								
Sum								236.85-
00001	GARNER LUMLEY ELECTRIC S	503486	00145027	13007497	ELEC SUPP #1 FIRE STA	08/31/14	240047	76.60-
GARNERLUMLEY ELECTRIC S								
Sum								76.60-
00001	GILKEY ELECTRIC SUPPLY C	258984	00145066	13007379	ELEC SUPP CONSTR DEPT	08/31/14	240048	49.08-
00001	GILKEY ELECTRIC SUPPLY C	258450	00144582	13007381	BOX COVERS D/T LIGHTS	08/31/14	240048	420.00-
00001	GILKEY ELECTRIC SUPPLY C	258894	00144994	13007382	ELEC SUPP 4TH ST MED CLINIC	08/31/14	240048	156.00-
00001	GILKEY ELECTRIC SUPPLY C	259017	00145092	13007440	ELEC SUPP #2 FIRE STA	08/31/14	240048	154.28-
GILKEYELECTRIC SUPPLY C								
Sum								779.36-
00001	GILLILANDS ELECTRONICS S	57857	00145172	13007405	SERV CALL CK CAMERAS POLICE	08/31/14	240050	70.00-
00001	GILLILANDS ELECTRONICS S	57874	00144969	13007509	GATE LOCK REPR AIRPORT	08/31/14	240050	975.00-
00001	GILLILANDS ELECTRONICS S	57872	00145268	13007564	VOICEMAIL CHANGE CONSTR DEPT	08/31/14	240050	35.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GILLILANDS ELECTRONICS S								
Sum								1,080.00-
00001	GLADDEN LAW OFFICE PLLC	0014	00145340	13007518	SRV LIGHTHOUSE RESCUE MISSION	08/31/14	240051	2,238.75-
00001	GLADDEN LAW OFFICE PLLC	0013	00145340	13007519	SRVS PRECISION CONSTR	08/31/14	240051	3,883.25-
00001	GLADDEN LAW OFFICE PLLC	0016	00145357	13007547	LGL SRVS PRECISION CONSTR	08/31/14	240051	4,048.75-
00001	GLADDEN LAW OFFICE PLLC	0018	00145357	13007548	LGL SRVS PEARSON FIREWORKS	08/31/14	240051	361.25-
00001	GLADDEN LAW OFFICE PLLC	0019	00145357	13007549	LGL SRVS LIGHTHOUSE RESCUE	08/31/14	240051	177.00-
GLADDEN LAW OFFICE PLLC								
Sum								10,709.00-
00001	GMC DISTRIBUTORS (FORMER	465111	00145158	13007404	DRINKING WATER POLICE DEPT	08/31/14	240052	399.15-
GMC DISTRIBUTORS (FORMER								
Sum								399.15-
00001	GULF COAST OFFICE PRODUC	1471435-0	00144773	13007356	COPY PAPER PLANNING DEPT	08/31/14	240056	368.92-
00001	GULF COAST OFFICE PRODUC	1472305-0	00144937	13007529	JANIT SUPP PUBLIC WORKS	08/31/14	240056	457.50-
00001	GULF COAST OFFICE PRODUC	1472305-1	00144937	13007530	JANIT SUPP PUBLIC WORKS	08/31/14	240056	18.22-
GULF COAST OFFICE PRODUC								
Sum								844.64-
00001	H'BURG AMERICAN ACCT #1	H12998 46598	00145373	13007546	PROOFS PUBLICATION MUN CLERK	08/31/14	240057	749.96-
H'BURGAMERICAN ACCT #1								
Sum								749.96-
00001	H'BURG CLINIC PA (ACCT#2	1028000103 2	00145411	13007580	PSY EXAMS LATERALS/RECRUIT	08/31/14	240058	2,096.00-
H'BURGCLINIC PA (ACCT#2								
Sum								2,096.00-
00001	H'BURG COCA COLA BOTTLIN	56402060158	00145269	13007570	WATER/POWERADE MAYOR'S OFFICE	08/31/14	240059	152.25-
H'BURGCOCA COLA BOTTLIN								
Sum								152.25-
00001	H'BURG HYDRAULICS INC	56677	00145075	13007429	REPR PTS U#8629 STREET	08/31/14	240061	299.73-
00001	H'BURG HYDRAULICS INC	56678	00145075	13007430	REPR PTS U#8629 STREET	08/31/14	240061	280.49-
H'BURGHYDRAULICS INC								
Sum								580.22-
00001	HALL, LAKESHIA	TRAV ADVANCE	00145212	13007423	TRAV ADV MACE CONF GULFPORT	08/31/14	240062	82.00-
HALL,LAKESHIA								
Sum								82.00-
00001	HALLS WELDING SERVICE	28913	00143322	13007343	REPAIR BOOM ON SELF LOADER	08/31/14	240063	977.53-
HALLSWELDING SERVICE								
Sum								977.53-
00001	HANCOCK BANK TRUST & FIN	8/21/14 DUE	02014742	13007353	MDB 2001 BONDS 12/22/08	08/21/14	19070	2,088.77-
HANCOCK BANK TRUST & FIN								

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum								2,088.77-
00001	HILL, LEROY COFFEE CO IN	18030	00145276	13007443	COFFEE SERV M/AMD	08/31/14	240066	16.61-
00001	HILL, LEROY COFFEE CO IN	17860	00145438	13007586	COFFEE SERV MAYOR'S OFFICE	08/31/14	240066	11.10-
HILL,LEROY COFFEE CO IN								
Sum								27.71-
00001	HOME DEPOT	3973333	00144436	13007500	REPR PTS U#9804 SHOP	08/31/14	240067	119.95-
00001	HOME DEPOT	9973426	00144561	13007507	HOSE/NOZZLES AIRPORT MAINT	08/31/14	240067	137.87-
00001	HOME DEPOT	2973585	00144717	13007510	TREE PRUNER FORESTRY CREW	08/31/14	240067	34.97-
HOME DEPOT								
Sum								292.79-
00001	INDOFF INC	2498827	00144881	13007335	OFFICE SUPP FIRE ADM	08/31/14	240068	188.85-
00001	INDOFF INC	2496394A	00144707	13007358	OFFICE SUPP FED/STATE PROG	08/31/14	240068	103.15-
00001	INDOFF INC	2498800	00144707	13007359	OFFICE SUPP FED/STATE PROG	08/31/14	240068	14.29-
INDOFFINC								
Sum								306.29-
00001	INTERFACE SECURITY SYSTE	17559981	00145226	13007437	SECURITY 9/14 HILND CEMETERY	08/31/14	240069	33.02-
00001	INTERFACE SECURITY SYSTE	17562883	00145226	13007438	SECURITY 9/14 SOUTH HILL CEM	08/31/14	240069	29.95-
INTERFACE SECURITY SYSTE								
Sum								62.97-
00001	INTL CODE COUNCIL (BOOKS	100231743	00145209	13007419	2012 LGL ASPECTS OF CODE ADM	08/31/14	240071	290.00-
INTL CODE COUNCIL (BOOKS								
Sum								290.00-
00001	IRBY, STUART C CO	S008478898.0	00144766	13007298	HVAC SUPP CONSTR DEPT	08/31/14	240072	297.66-
IRBY,STUART C CO								
Sum								297.66-
00001	JACKSON COMMUNICATIONS	SI3779	00144856	13007568	RADIO BATTERIES FIRE DEPT	08/31/14	240073	485.00-
JACKSON COMMUNICATIONS								
Sum								485.00-
00001	JOHNNY'S WRECKER SERVICE	23315	00145082	13007442	TOWING U#17723 SANIT	08/31/14	240075	350.00-
JOHNNY'S WRECKER SERVICE								
Sum								350.00-
00001	JONES-RUSSELL, CAROL L	SERVS 9/13-8	00145342	13007513	LGL SRVS 9/13-8/14 MUN COURT	08/31/14	240076	4,450.00-
JONES-RUSSELL, CAROL L								
Sum								4,450.00-
00001	JONES, MARTIN	638223	00143954	13007544	LOT CLEARING 6 PROPERTIES	08/31/14	240078	785.00-
JONES,MARTIN								
Sum								785.00-
00001	JWH EQUIPMENT, LLC	IJ07497	00144749	13007339	REPR PTS U#13204 STREET	08/31/14	240079	139.48-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
JWH EQUIPMENT, LLC								
Sum								139.48-
00001	KIDD, TYWAN	TRAV ADVANCE	00145204	13007424	TRAV ADV MACE CONF GULFPORT	08/31/14	240082	174.96-
KIDD,TYWAN								
Sum								174.96-
00001	KUTCHINS & GROH LLC	2254	00145465	13007613	SRVS REHAB RUNWAY 13-31	08/31/14	240083	2,750.00-
KUTCHINS & GROH LLC								
Sum								2,750.00-
00001	M T S SAFETY PRODUCTS IN	4697600	00144584	13007324	SUPP CITIZENS CORP GRANT	08/31/14	240092	795.21-
M T SSAFETY PRODUCTS IN								
Sum								795.21-
00001	MARVIN'S INC	15392668-418	00145176	13007499	BAGGED CEMENT PUBLIC WORKS	08/31/14	240094	755.30-
00001	MARVIN'S INC	15391307-418	00144765	13007503	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	189.34-
00001	MARVIN'S INC	15391016-418	00144910	13007504	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	292.24-
00001	MARVIN'S INC	15391263-418	00144977	13007505	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	45.99-
MARVIN'S INC								
Sum								1,282.87-
00001	MCCAIN UNIFORMS	295161-1	00144740	13007415	TROUSERS LATERAL OFFICERS	08/31/14	240097	750.00-
00001	MCCAIN UNIFORMS	291902-1	00145107	13007526	UNIFORM COAT FIRE CHIEF	08/31/14	240097	248.00-
00001	MCCAIN UNIFORMS	290343-1	00143518	13007587	UNIFORM TROUSERS HOLMES	08/31/14	240097	225.00-
00001	MCCAIN UNIFORMS	292077-1	00143518	13007588	MTRCYCLE BOOTS SGT BROWN	08/31/14	240097	692.00-
MCCAINUNIFORMS								
Sum								1,915.00-
00001	MCELHANEY PLUMBING INC	222984	00145095	13007408	PLUMB SUPP CONSTR DEPT	08/31/14	240098	35.34-
00001	MCELHANEY PLUMBING INC	223097	00145270	13007492	SINK FAUCET MAYOR'S OFFICE	08/31/14	240098	49.95-
MCELHANEY PLUMBING INC								
Sum								85.29-
00001	MCKINLEY, ALLEN	TRAV ADVANCE	00145251	13007449	TRAV ADV MACE CONF GULFPPORT	08/31/14	240100	378.16-
MCKINLEY, ALLEN								
Sum								378.16-
00001	MCMULLAN EQUIPMENT CO	155185P	00144247	13007366	REPR PTS U#17742 POLICE	08/31/14	240101	67.50-
MCMULLAN EQUIPMENT CO								
Sum								67.50-
00001	MEDICAL ANALYSIS-GHV	#2	00145344	13007521	SRVS EMP WELLNESS CLINIC	08/31/14	240103	29,000.00-
MEDICAL ANALYSIS-GHV								
Sum								29,000.00-
00001	MID SOUTH GLASS INC	0040542	00145398	13007602	MIRRORS 4TH ST MED CLINIC	08/31/14	240104	250.00-
MID SOUTH GLASS INC								
Sum								250.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	MID SOUTH UNIFORM & SUPP	518586	00144461	13007364	BLACK T SHIRTS STOCK	08/31/14	240105	48.75-
00001	MID SOUTH UNIFORM & SUPP	518719	00143517	13007402	BOOTS DILLARD/HOLMES POLICE	08/31/14	240105	180.00-
00001	MID SOUTH UNIFORM & SUPP	518718	00144250	13007439	BOOTS-PROULX-POLICE DEPT	08/31/14	240105	84.00-
00001	MID SOUTH UNIFORM & SUPP	518924	00144569	13007572	NAME TAGS DANIELS/MCGINTY	08/31/14	240105	42.45-
00001	MID SOUTH UNIFORM & SUPP	518920	00144873	13007573	NAME PLATE JOSHUA SHAVERS	08/31/14	240105	28.07-
00001	MID SOUTH UNIFORM & SUPP	519001	00144924	13007574	JACKETS LATERAL OFFICERS	08/31/14	240105	920.00-
MID SOUTH UNIFORM & SUPP								
Sum								1,303.27-
00001	MIKELL, BURKETT	TRAV ADVANCE	00145210	13007425	TRAV ADV MACE CONF GULFPORT	08/31/14	240107	174.96-
MIKELL, BURKETT								
Sum								174.96-
00001	MINGLEDORFF'S INC	5435104-00	00145026	13007374	BLDG MATLS #1 FIRE STA	08/31/14	240108	67.62-
MINGLEDORFF'S INC								
Sum								67.62-
00001	MISSISSIPPI AG COMPANY,	W80937	00144929	13007607	REPRS U#9248 STREET	08/31/14	240109	1,203.88-
00001	MISSISSIPPI AG COMPANY,	W81035	00144929	13007609	CREDIT	08/31/14	240109	78.77
MISSISSIPPI AG COMPANY,								
Sum								1,125.11-
00001	MOMAR INC	A84249	00144917	13007403	CAR CLEAN SUPP POLICE DEPT	08/31/14	240110	538.90-
MOMARINC								
Sum								538.90-
00001	MOTOR VEHICLE INSPECTION	1845 8/27/14	00145442	13007605	INSPECTION STA RNWL FEE	08/31/14	240113	10.00-
MOTORVEHICLE INSPECTION								
Sum								10.00-
00001	MS ASSN FOR SPATIAL TECH	MBRSHP GOPAL	00145119	13007493	MBRSHP FEE GOPALAN/YAWN	08/31/14	240115	100.00-
MS ASSN FOR SPATIAL TECH								
Sum								100.00-
00001	MS ASSN OF CODE ENFORCEM	MBRSHP MCKIN	00145245	13007448	ANNUAL MBRSHP FEE MCKINLEY	08/31/14	240116	25.00-
00001	MS ASSN OF CODE ENFORCEM	REG MCKINLEY	00145252	13007450	REG MCKINLEY CONF GULFPORT	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE DAWS	00145314	13007555	REG FEE DAWSON CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE FROS	00145314	13007556	REG FEE FROST CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE HALL	00145314	13007557	REG FEE HALL CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE KIDD	00145314	13007558	REG FEE KIDD CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE MIKE	00145314	13007559	REG FEE MIKELL CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE QUIN	00145314	13007560	REG FEE QUINN CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	MBRSHP HALL	00145314	13007561	NEW MBRSHP FEE HALL	08/31/14	240116	25.00-
MS ASSN OF CODE ENFORCEM								
Sum								400.00-
00001	MS GRASS NURSERY	25809	00144255	13007303	GRASS SOD CEMETERY	08/31/14	240117	100.00-
00001	MS GRASS NURSERY	25938	00144255	13007304	GRASS SOD CEMETERY	08/31/14	240117	100.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MS GRASS NURSERY								
Sum								200.00-
00001	MS MUNICIPAL LEAGUE	PO#145122 8/	00145122	13007355	MML CITY DIRECTORY M/ADM	08/31/14	240118	50.00-
00001	MS MUNICIPAL LEAGUE	20868	00145189	13007412	2014 YOUTH TRACK 6/24	08/31/14	240118	90.00-
MS MUNICIPAL LEAGUE								
Sum								140.00-
00001	MS POWER COMPANY	8/14 GENERAL	00201422	13007541	MNTHLY ELEC-GENERAL	08/31/14	240119	117,777.34-
MS POWER COMPANY								
Sum								117,777.34-
00001	MS STATE DEVELOPMENT AUT	GRANT #R-103	02014724	13007352	HCL LEVERAGE LENDER LLC	08/21/14	19066	10,117.67-
MS STATE DEVELOPMENT AUT								
Sum								10,117.67-
00001	MS STATE/SECRETARY OF ST	NOTARY RNWL	00145388	13007577	NOTARY RNWL HARTFIELD M/ADM	08/31/14	240121	25.00-
MS STATE/SECRETARY OF ST								
Sum								25.00-
00001	MS STATE/TAX COMM/UNDERC	PO#145120 8/	00145120	13007367	TAGS/DECALS UNDERCOVER UNITS	08/31/14	240122	290.25-
00001	MS STATE/TAX COMM/UNDERC	PO#145408 8/	00145408	13007579	TAG RNWL U#16501 UNDERCOVER	08/31/14	240123	16.00-
MS STATE/TAX COMM/UNDERC								
Sum								306.25-
00001	MYERS. TAMECIA	PO#145170 4/	00145170	13007395	MISS MS PAGEANT AD REIMB	08/31/14	240125	100.00-
MYERS.TAMECIA								
Sum								100.00-
00001	NAPA AUTO PARTS	513027	00145166	13007371	REPR PTS U#14145 FIRE DEPT	08/31/14	240126	127.27-
00001	NAPA AUTO PARTS	512978	00145142	13007373	AIR COMPRESSOR REPR PTS FIRE	08/31/14	240126	46.11-
00001	NAPA AUTO PARTS	513001	00145157	13007418	ANTIFREEZE POLICE STOCK	08/31/14	240126	270.00-
00001	NAPA AUTO PARTS	513070	00145197	13007441	REPR FIRE SIMULATOR COMPRESSR	08/31/14	240126	78.40-
NAPA AUTO PARTS								
Sum								521.78-
00001	NEBLETTS FRAME OUTLET (R	PRIVILEGE TA	02014731	13007389	PRIVILEGE TAX REFUND	08/31/14	240127	2.00-
NEBLETTS FRAME OUTLET (R								
Sum								2.00-
00001	NEEL-SCHAFFER INC	1020050	00145261	13007451	SRV 7/14 ADA TRANSITION PLAN	08/31/14	240128	1,136.08-
00001	NEEL-SCHAFFER INC	1019810-1020	00145262	13007452	SRV 6/1-7/31/13 STORMWTR 2014	08/31/14	240128	15,693.45-
NEEL-SCHAFFER INC								
Sum								16,829.53-
00001	NEWELL PAPER COMPANY	820360	00144826	13007362	JANIT SUPP POLICE DEPT	08/31/14	240130	701.94-
00001	NEWELL PAPER COMPANY	820876	00145061	13007406	JANIT SUPP TRAFFIC/CONSTR	08/31/14	240130	280.81-
00001	NEWELL PAPER COMPANY	820985	00145114	13007414	TRASH BAGS POLICE DEPT	08/31/14	240130	81.68-
00001	NEWELL PAPER COMPANY	820361	00144866	13007523	AIR FRESHENERS POLICE DEPT	08/31/14	240130	434.50-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
NEWELLPAPER COMPANY								
Sum								1,498.93-
00001	NORTHERN SAFETY & INDUST	901037962	00145047	13007369	SAFET GLASSES/EAR PLUGS ACDMY	08/31/14	240132	271.52-
NORTHERN SAFETY & INDUST								
Sum								271.52-
00001	OFFICE DEPOT INC	709335736001	00144778	13007323	UTILITY CART COLEMAN PLANNING	08/31/14	240133	154.99-
00001	OFFICE DEPOT INC	1704333181	00144843	13007327	OFFICE/COMPUTER SUPP POLICE	08/31/14	240133	822.52-
00001	OFFICE DEPOT INC	1702880851	00144706	13007491	COMPUTER SUPP INFO TECH	08/31/14	240133	246.46-
00001	OFFICE DEPOT INC	1708003353	00145090	13007571	OFFICE SUPP FOR BUDGET BOOKS	08/31/14	240133	81.30-
OFFICEDEPOT INC								
Sum								1,305.27-
00001	OVERHEAD DOOR CO OF HBUR	67602	00145034	13007336	BAY DOOR REPR #8 FIRE STA	08/31/14	240134	308.00-
OVERHEAD DOOR CO OF HBUR								
Sum								308.00-
00001	OWENS BUSINESS MACHINES	PO#145085 8/	00145085	13007368	COPIER 8/14-7/15 POLICE	08/31/14	240135	690.00-
OWENSBUSINESS MACHINES								
Sum								690.00-
00001	PAPS	PO#144838 8/	00144838	13007334	TRAUMA BAG P/F ACADEMY	08/31/14	240136	375.00-
PAPS								
Sum								375.00-
00001	PEARL RIVER VALLEY EPA (	8/14 GENERAL	00201422	13007540	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240137	1,345.77-
PEARLRIVER VALLEY EPA (								
Sum								1,345.77-
00001	PINE BELT OIL COMPANY IN	1020972	00145087	13007390	WEEKLY GAS PUBLIC WORKS	08/31/14	240139	17,524.79-
00001	PINE BELT OIL COMPANY IN	1021079	00145087	13007391	WEEKLY DIESEL PUBLIC WORKS	08/31/14	240139	13,723.50-
00001	PINE BELT OIL COMPANY IN	1022619	00145348	13007585	WEEKLY GAS/DIESEL PUB WORKS	08/31/14	240139	23,824.40-
PINE BELT OIL COMPANY IN								
Sum								55,072.69-
00001	PRESLEY, PAUL E	TRAVEL REIMB	00145117	13007376	EXPNS PICK UP NEW TRUCK JKSN	08/31/14	240141	50.00-
PRESLEY, PAUL E								
Sum								50.00-
00001	PYLE, MILLS & DYE PA	1292-0007M #	00145475	13007610	LGL SRVS FAIRLEY VS CITY	08/31/14	240142	13,393.81-
PYLE,MILLS & DYE PA								
Sum								13,393.81-
00001	QUINN, WILEY	TRAV ADVANCE	00145202	13007426	TRAV ADV MACE CONF GULFPORT	08/31/14	240143	308.92-
QUINN,WILEY								
Sum								308.92-
00001	RHYTHM HERITAGE FOUNDATI	SPONSORSHIP	00145339	13007520	SPONSORSHIP MOBILE ST FESTIVL	08/31/14	240145	8,000.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
RHYTHMHERITAGE FOUNDATI								
Sum								8,000.00-
00001	RJ YOUNG COMPANY	INV380441	00145337	13007516	COPIER OVERAGE 5/13-5/14 HR	08/31/14	240146	898.31-
RJ YOUNG COMPANY								
Sum								898.31-
00001	ROGERS, KEVIN & ASSOCIAT	OPINIONS	00145353	13007554	8 TITLE OPINIONS	08/31/14	240148	2,000.00-
ROGERS, KEVIN & ASSOCIAT								
Sum								2,000.00-
00001	SACKS OUTDOOR SUPPLY	18324	00144996	13007372	RESCUE CHAIN STORAGE CANS	08/31/14	240149	179.94-
SACKSOUTDOOR SUPPLY								
Sum								179.94-
00001	SERVPRO OF HATTIESBURG	4062863	00145194	13007413	CLEAN COUNCIL ROOM CARPET	08/31/14	240151	694.12-
SERVPRO OF HATTIESBURG								
Sum								694.12-
00001	SHOEMAKE, SHANNON	PETTY CASH 8	00145358	13007562	PETTY CASH TRAFFIC/CONSTR	08/31/14	240153	173.91-
SHOEMAKE, SHANNON								
Sum								173.91-
00001	SOLAR SUPPLY INC	3458753	00144953	13007299	INFARED THERMOMETER CONSTR	08/31/14	240156	74.17-
00001	SOLAR SUPPLY INC	3458511	00144767	13007596	HVAC SUPP CONSTR DEPT	08/31/14	240156	113.90-
SOLARSUPPLY INC								
Sum								188.07-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 7/18	02014725	13007305	POLICE FINES COLL.FEE	08/31/14	240157	1,512.48-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT 7/17-	02014726	13007306	POLICE FINES COLL.FEE	08/31/14	240157	157.40-
SOUTHERN FINANCIAL SYSTE								
Sum								1,669.88-
00001	SOUTHERN PINE ELECTRIC P	8/14 GENERAL	00201422	13007512	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240158	63.27-
SOUTHERN PINE ELECTRIC P								
Sum								63.27-
00001	SOUTHERN PINES ANIMAL SH	9/14	00145050	13007345	HANDLING,HOUSING 9/14	08/31/14	240159	9,979.83-
SOUTHERN PINES ANIMAL SH								
Sum								9,979.83-
00001	SOUTHERN TIRE MART LLC	11090979	00144752	13007341	TIRES SANIT STOCK	08/31/14	240160	590.00-
00001	SOUTHERN TIRE MART LLC	11090762	00144975	13007593	REPR PTS U#7871 STREET	08/31/14	240160	196.00-
SOUTHERN TIRE MART LLC								
Sum								786.00-
00001	SOUTHGROUP (GALEY)	HATTIES-03	00145374	13007550	GENERAL LIABILITY INS RNWL	08/31/14	240161	1,780.35-
00001	SOUTHGROUP (GALEY)	HATTIES-02 1	00145377	13007551	BLANKET BOND MONEY HANDLERS	08/31/14	240161	9,275.00-
SOUTHGROUP (GALEY)								

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum								11,055.35-
00001	STANDARD OFFICE SUPPLY C	0046263-001	00144960	13007291	COPY PAPER HUMAN RES	08/31/14	240163	335.92-
00001	STANDARD OFFICE SUPPLY C	0046208-001	00144875	13007321	OFFICE CHAIR M/ADM	08/31/14	240163	179.00-
00001	STANDARD OFFICE SUPPLY C	0045386-001	00144071	13007322	OFFICE SUPP CITY CLERK	08/31/14	240163	43.29-
00001	STANDARD OFFICE SUPPLY C	0046296-001	00144958	13007325	CARDSTOCK SUPP INFO TECH	08/31/14	240163	24.00-
00001	STANDARD OFFICE SUPPLY C	0046298-001	00145005	13007326	CARDSTOCK SUPP INFO TECH	08/31/14	240163	24.00-
00001	STANDARD OFFICE SUPPLY C	0046137-001	00144800	13007328	OFFICE SUPP COMM CONVERSATION	08/31/14	240163	60.45-
00001	STANDARD OFFICE SUPPLY C	0046304-001	00144904	13007360	DOOR NAME PLATES RECORDS DIV	08/31/14	240163	71.60-
00001	STANDARD OFFICE SUPPLY C	0046283-001	00145002	13007361	OIL FOR SHREDDER	08/31/14	240163	106.20-
00001	STANDARD OFFICE SUPPLY C	0046621-001	00145220	13007489	SHREDDER REPR MUN COURT	08/31/14	240163	75.00-
00001	STANDARD OFFICE SUPPLY C	0046357-001	00145051	13007490	CARDSTOCK INFO TECH DEPT	08/31/14	240163	120.00-
STANDARD OFFICE SUPPLY C								
Sum								1,039.46-
00001	STATE FIRE ACADEMY	22214	00145443	13007604	REG COLLINS/FIELDER/SAUCIER	08/31/14	240164	1,035.00-
STATEFIRE ACADEMY								
Sum								1,035.00-
00001	STEWART'S CAMERA CENTER	7704	00145073	13007590	CAMERAS FOR TRAINING	08/31/14	240165	1,999.98-
00001	STEWART'S CAMERA CENTER	7633	00145384	13007603	CAMERA SD CARDS P/F ACADEMY	08/31/14	240165	79.90-
STEWART'S CAMERA CENTER								
Sum								2,079.88-
00001	SUNBELT FANS & LIGHTING	156090	00145006	13007346	OUTDOOR FANS AIRPT TERMINALS	08/31/14	240167	242.97-
SUNBELT FANS & LIGHTING								
Sum								242.97-
00001	TRI-TECH INC	108542	00144841	13007295	GUN BOXES EVIDENCE COLLECTION	08/31/14	240170	160.79-
TRI-TECH INC								
Sum								160.79-
00001	UNDERWOOD'S SMALL ENGINE	PO#143696 6/	00143696	13007496	MOWER REPR P/F ACADEMY	08/31/14	240171	310.25-
UNDERWOOD'S SMALL ENGINE								
Sum								310.25-
00001	UNIVERSITY TIRE & SERVIC	454531	00144927	13007431	TIRES U#18555 STREET	08/31/14	240173	913.60-
00001	UNIVERSITY TIRE & SERVIC	454922	00145074	13007436	TIRES U#14064 AIRPORT	08/31/14	240173	292.64-
00001	UNIVERSITY TIRE & SERVIC	454513	00144839	13007528	OIL CHG/LUBE U#19116 LD CODE	08/31/14	240173	30.95-
UNIVERSITY TIRE & SERVIC								
Sum								1,237.19-
00001	WAL-MART STORES INC	005534	00144059	13007535	NNO KICKOFF SCHOOL SUPPLIES	08/31/14	240176	1,020.80-
00001	WAL-MART STORES INC	000279	00144501	13007536	NATL NIGHT OUT SUPPLIES	08/31/14	240176	142.04-
00001	WAL-MART STORES INC	009081	00144681	13007537	DRINKS NNO LUNCH/LEARN W/HPD	08/31/14	240176	56.56-
00001	WAL-MART STORES INC	007021	00144786	13007538	WTR/DRINKS COMM CONVERSATION	08/31/14	240176	60.86-
00001	WAL-MART STORES INC	009924	00144677	13007539	BAKING SODA FOR ACID SPILL	08/31/14	240176	41.00-
WAL-MART STORES INC								
Sum								1,321.26-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	WALKER, TARA (REFUNDS)	DAMAGE DEP R	02014749	13007567	DAMAGE DEPOSIT REFUND	08/31/14	240178	300.00-
WALKER, TARA (REFUNDS)								
Sum								300.00-
00001	WANSLEY'S MACHINE & DRIV	34380	00144671	13007410	REPRS U#16724 AIRPORT TRACTOR	08/31/14	240179	240.57-
WANSLEY'S MACHINE & DRIV								
Sum								240.57-
00001	WARREN PAVING INC	17471MB	00145017	13007511	CRUSHED CONCRETE CEMETERY	08/31/14	240181	923.72-
WARRENPAVING INC								
Sum								923.72-
00001	WATERS INTERNATIONAL TRU	8-242300021	00145079	13007383	REPR PTS SANIT STOCK	08/31/14	240183	483.48-
00001	WATERS INTERNATIONAL TRU	8-242310069	00145126	13007435	REPR PTS U#14408 SANIT	08/31/14	240183	1,793.25-
00001	WATERS INTERNATIONAL TRU	8-242340054	00145281	13007598	REPR PTS U#17726 SANIT	08/31/14	240183	211.48-
WATERSINTERNATIONAL TRU								
Sum								2,488.21-
00001	WATTS BROTHERS TRACTOR C	158377	00145168	13007508	BOLTS FOR AIRPORT TRACTORS	08/31/14	240184	31.87-
WATTSBROTHERS TRACTOR C								
Sum								31.87-
00001	WILLMUT GAS & OIL COMPAN	8/14 GENERAL	00201422	13007545	MNTHLY GAS-GENERAL	08/31/14	240187	123.58-
WILLMUT GAS & OIL COMPAN								
Sum								123.58-
00001	WORKWELL SERVICES (NEW V	16120	00145162	13007401	PRE-EMP/ACCIDENT SCREENS 8/14	08/31/14	240188	800.00-
WORKWELL SERVICES (NEW V								
Sum								800.00-
00001	YAWN, JOSEPH	TRAVEL RIMB	00145118	13007357	EXPNS ESRA CONF CALIFORNIA	08/31/14	240189	69.36-
YAWN,JOSEPH								
Sum								69.36-
00001	1ST SOURCE SERVALL	HE8401059	00145011	13007292	A/C REPR PTS MAYOR'S OFFICE	08/31/14	240190	994.08-
00001	1ST SOURCE SERVALL	HE8401208	00145016	13007400	A/C REP PTS MAYOR'S OFFICE	08/31/14	240190	109.20-
1ST SOURCE SERVALL								
Sum								1,103.28-
Sum								1,535,941.92-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS& RECREATION FUND								
00002	A & R FARM AND GARDEN	244946	00144967	13002041	HERBICIDE GRNDS MAINT	08/31/14	239951	150.00-
00002	A & R FARM AND GARDEN	244997	00145018	13002043	PAPER STICKS GRNDS MAINT	08/31/14	239951	350.00-
00002	A & R FARM AND GARDEN	246468	00145327	13002090	SPRAYER REPR PTS	08/31/14	239951	29.00-
A & RFARM AND GARDEN								
Sum								529.00-
00002	ADAMS NURSERY	095919	00145148	13002073	FERNS FOR CITY WIDE USE	08/31/14	239953	65.70-
ADAMSNURSERY								
Sum								65.70-
00002	ADCOCK POOLS AND SPA	73678	00145064	13002066	CHEMICALS MCNAIR CNTR POOL	08/31/14	239954	991.87-
ADCOCKPOOLS AND SPA								
Sum								991.87-
00002	AGRI-AFC LLC	5066888	00144283	13002042	FERT/GRASS SEED TOWN PARK	08/31/14	239958	287.04-
00002	AGRI-AFC LLC	5069961	00145317	13002077	ARMY WORM TRTMT TOWN SQ PARK	08/31/14	239958	128.00-
AGRI-AFC LLC								
Sum								415.04-
00002	BASS CLEANERS	13816 PO#144	00144900	13002078	CLEAN TABLECLOTHS	08/31/14	239972	120.00-
BASS CLEANERS								
Sum								120.00-
00002	BETTS, SHERMAN	SPORTS SERVS	02014748	13002084	SPORTS SUPPORT SERVICES	08/31/14	239975	306.00-
BETTS,SHERMAN								
Sum								306.00-
00002	BRACKMAN MOWER WAREHOUSE	0133113	00144961	13002047	WEEDEATER REPR PTS	08/31/14	239980	214.25-
00002	BRACKMAN MOWER WAREHOUSE	0133364	00145097	13002063	TIRE REPR GRNDS MAINT	08/31/14	239980	109.99-
00002	BRACKMAN MOWER WAREHOUSE	0133369	00145100	13002064	REPRS U#19653 MOWER	08/31/14	239980	74.00-
BRACKMAN MOWER WAREHOUSE								
Sum								398.24-
00002	BRADLEY, MARQUITA	SPORTS SERVS	02014748	13002085	SPORTS SUPPORT SERVICES	08/31/14	239981	224.00-
BRADLEY, MARQUITA								
Sum								224.00-
00002	BROWN, TIRON	SPORTS SERVS	02014748	13002083	SPORTS SUPPORT SERVICES	08/31/14	239983	406.00-
BROWN,TIRON								
Sum								406.00-
00002	BURKETT RADIATOR SHOP	PO#144993 8/	00144993	13002048	REPRS U#16978 MOWER	08/31/14	239987	277.00-
BURKETT RADIATOR SHOP								
Sum								277.00-
00002	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13002080	CELL SERV 7/14 PARKS & REC	08/31/14	239990	377.51-
C SPIRE WIRELESS (CELLUL								

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum								377.51-
00002	CAMERON ELECTRIC MOTOR C	29150	00145180	13002071	MOTOR REPR VETERANS PK POOL	08/31/14	239991	94.61-
CAMERON ELECTRIC MOTOR C								
Sum								94.61-
00002	CARQUEST AUTO PARTS STOR	14758-32622	00144825	13002045	REPR PTS U#8667 GRNDS MAINT	08/31/14	239995	430.05-
00002	CARQUEST AUTO PARTS STOR	14758-32571	00144835	13002046	REPR PTS U#9167 GRNDS MAINT	08/31/14	239995	430.05-
00002	CARQUEST AUTO PARTS STOR	14758-32725	00144825	13002050	CREDIT	08/31/14	239995	86.48
00002	CARQUEST AUTO PARTS STOR	14758-32726	00144835	13002051	CREDIT	08/31/14	239995	86.48
00002	CARQUEST AUTO PARTS STOR	14758-33331	00145165	13002075	BRAKE PTS U#14143 REC ADM	08/31/14	239995	174.16-
CARQUEST AUTO PARTS STOR								
Sum								861.30-
00002	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13002053	TRF 2ND 8/14 PAYROLL	08/20/14	310129	58,162.52-
CITY OF HATTIESBURG FUND								
Sum								58,162.52-
00002	CLEMTS HARDWARE	110156	00144971	13002055	RATCHED DIE DOWNS/GAS JUGS	08/31/14	239996	195.92-
CLEMTSHARDWARE								
Sum								195.92-
00002	DOLEAC ELECTRIC CO INC	H15561A	00143855	13002057	FLD POLE REPR CAMERON FIELD	08/31/14	240015	500.00-
00002	DOLEAC ELECTRIC CO INC	H16006A	00144193	13002058	REPR FLD LIGHTS CAMERON FIELD	08/31/14	240015	650.00-
00002	DOLEAC ELECTRIC CO INC	H15561B	00145096	13002059	ADDL AMT DUE PO#143855	08/31/14	240015	809.66-
00002	DOLEAC ELECTRIC CO INC	H16006B	00145096	13002060	ADDL AMT DUE PO#144193	08/31/14	240015	203.40-
DOLEACELECTRIC CO INC								
Sum								2,163.06-
00002	ELKINS WHOLESALE INC	217243-00	00144968	13002040	JANIT SUPP GRNDS MAINT	08/31/14	240023	50.49-
00002	ELKINS WHOLESALE INC	217721-00	00145113	13002068	WORK GLOVES VOLUNTEERS	08/31/14	240023	69.93-
00002	ELKINS WHOLESALE INC	217945-00	00145113	13002069	WORK GLOVES VOLUNTEERS	08/31/14	240023	59.94-
ELKINSWHOLESALE INC								
Sum								180.36-
00002	FUELMAN OF MS	BG127044 NP4	00145369	13002089	FUEL CHG 8/4/14 TERRELL REC	08/31/14	240037	55.55-
FUELMAN OF MS								
Sum								55.55-
00002	G & K SERVICES	1035517847	00145390	13002098	MATS 8/05 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035520025	00145390	13002099	MATS 8/12 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035522225	00145390	13002100	MATS 8/19 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035524399	00145390	13002101	MATS 8/26 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035517846	00145390	13002102	UNIFORMS 8/05 GRNDS MAINT	08/31/14	240045	106.92-
00002	G & K SERVICES	1035520024	00145390	13002103	UNIFORMS 8/12 GRNDS MAINT	08/31/14	240045	108.98-
00002	G & K SERVICES	1035522224	00145390	13002104	UNIFORMS 8/19 GRNDS MAINT	08/31/14	240045	293.40-
00002	G & K SERVICES	1035524398	00145390	13002105	UNIFORMS 8/26 GRNDS MAINT	08/31/14	240045	120.19-
G & KSERVICES								
Sum								643.09-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00002	GARNER LUMLEY ELECTRIC S	503513	00145110	13002074	ELEC SUPP TOWN SQUARE PARK	08/31/14	240047	271.70-
00002	GARNER LUMLEY ELECTRIC S	503844	00145349	13002106	ELEC SUPP WALK TRAILS	08/31/14	240047	250.00-
GARNERLUMLEY ELECTRIC S								
Sum								521.70-
00002	GILKEY ELECTRIC SUPPLY C	259212	00145325	13002095	ELEC SUPP KP TENNIS LIGHTS	08/31/14	240048	317.67-
GILKEYELECTRIC SUPPLY C								
Sum								317.67-
00002	GILLILANDS ELECTRONICS S	60756-00	00144730	13002093	CALL BOX CHECK TATUM PARKS	08/31/14	240050	210.00-
GILLILANDS ELECTRONICS S								
Sum								210.00-
00002	GROVER BROS RESTAURANT &	212062	00144995	13002067	POPCORN POPPER CITY EVENTS	08/31/14	240054	529.00-
GROVERBROS RESTAURANT &								
Sum								529.00-
00002	H'BURG COCA COLA BOTTLIN	56I30333905	00145134	13002088	DRINKS/WTR TOWN SQ MOVIE NITE	08/31/14	240059	213.95-
H'BURGCOCA COLA BOTTLIN								
Sum								213.95-
00002	JET CONSTRUCTION	1933	00144352	13002062	TOPSOIL DUNCAN LAKE	08/31/14	240074	208.00-
JET CONSTRUCTION								
Sum								208.00-
00002	JONES, ANN	PETTY CASH 7	00145439	13002107	PETTY CASH GRNDS MAINT	08/31/14	240077	155.98-
JONES,ANN								
Sum								155.98-
00002	LITTLE DOG CINEMA	1016	00144899	13002072	SERV/LICENSE FEE MOVIE IN PK	08/31/14	240089	885.00-
LITTLEDOG CINEMA								
Sum								885.00-
00002	M & B CONCESSIONS	17532	00145007	13002044	POPCORN CITY EVENTS	08/31/14	240091	178.65-
M & BCONCESSIONS								
Sum								178.65-
00002	MCELHANEY PLUMBING INC	222888	00145020	13002052	PLUMB SUPP TATUM TENNIS	08/31/14	240098	29.95-
00002	MCELHANEY PLUMBING INC	222909	00145032	13002056	PLUMB SUPP TATUM TENNIS RESTR	08/31/14	240098	173.80-
MCELHANEY PLUMBING INC								
Sum								203.75-
00002	MCNAIR, EVELENE	SPORTS SERVS	02014748	13002086	SPORTS SUPPORT SERVICES	08/31/14	240102	340.00-
MCNAIR, EVELENE								
Sum								340.00-
00002	MIKE'S TIRE & WHEEL CO	2176283	00145207	13002091	TIRE/REPR U#18867 MOWER	08/31/14	240106	99.73-
00002	MIKE'S TIRE & WHEEL CO	2176266	00145319	13002092	TUBE REPR U#19303 MOWER	08/31/14	240106	29.16-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MIKE'STIRE & WHEEL CO								
Sum								128.89-
00002	MOORE'S LOCK AND KEY LLC	17353	00145150	13002094	SHOP LOCK REPR TATUM MAINT	08/31/14	240111	250.00-
MOORE'S LOCK AND KEY LLC								
Sum								250.00-
00002	MS GRASS NURSERY	25969	00145084	13002054	RPLCMNT SOD TOWN SQUARE PARK	08/31/14	240117	450.00-
MS GRASS NURSERY								
Sum								450.00-
00002	MS POWER COMPANY	8/14 PKS/REC	00201422	13002079	MNTHLY ELEC-PARKS & REC	08/31/14	240119	15,357.53-
MS POWER COMPANY								
Sum								15,357.53-
00002	MS STATE/DEPT OF HEALTH/	15-109421	00145071	13002061	INSPECT AIR TANK GRNDS SHOP	08/31/14	240120	30.00-
MS STATE/DEPT OF HEALTH/								
Sum								30.00-
00002	SHERWIN-WILLIAMS COMPANY	8237-9	00145041	13002081	PAINT SUPP DUNCAN LAKE RESTRM	08/31/14	240152	42.62-
00002	SHERWIN-WILLIAMS COMPANY	8353-4	00145060	13002082	PAINT SUPP DAHMER PK RESTROOM	08/31/14	240152	36.34-
SHERWIN-WILLIAMS COMPANY								
Sum								78.96-
00002	SMITH, JIM SERVICES	82127	00145099	13002108	A/C UNIT GRNDS SHOP	08/31/14	240155	1,134.00-
SMITH,JIM SERVICES								
Sum								1,134.00-
00002	SPEEDY PRINTING & SIGNS	19756	00144955	13002049	MOVIE IN PARK YARD SIGNS 8/23	08/31/14	240162	144.00-
SPEEDYPRINTING & SIGNS								
Sum								144.00-
00002	STOKES, DUSTIN	SPORTS SERVS	02014748	13002087	SPORTS SUPPORT SERVICES	08/31/14	240166	391.75-
STOKES, DUSTIN								
Sum								391.75-
00002	UNITED FENCE COMPANY	00016260	00142777	13002096	FENCE REPR KP CREEK BANK	08/31/14	240172	236.30-
00002	UNITED FENCE COMPANY	00016259	00145044	13002097	REPRS KP PLAYGRND/TOWN SQ PK	08/31/14	240172	485.00-
UNITEDFENCE COMPANY								
Sum								721.30-
00002	UNIVERSITY TIRE & SERVIC	455226	00145164	13002076	TIRES U#9215 REC ADM	08/31/14	240173	305.60-
UNIVERSITY TIRE & SERVIC								
Sum								305.60-
00002	W.A.POWE AQUATICS, LLC	8	00145203	13002070	AQUATIC SERVICE 7/14	08/31/14	240175	5,000.00-
W.A.POWE AQUATICS, LLC								
Sum								5,000.00-
00002	WATER FLOW PRODUCTIONS I	9008	00144675	13002065	TRENCHER TOWN SQUARE PARK	08/31/14	240182	439.12-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATERFLOW PRODUCTIONS I							
Sum							439.12-
Sum							94,661.62-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
HATT.MUNICIPAL FIRE PROTECTION								
00005	MCCAIN UNIFORMS	281148-1	00140655	13000052	UNIFORMS FIRE DEPT	08/31/14	240097	1,025.65-
00005	MCCAIN UNIFORMS	281300-1	00140655	13000053		08/31/14	240097	91.00-
00005	MCCAIN UNIFORMS	282451-1	00140655	13000054	UNIFORMS FIRE DEPT	08/31/14	240097	535.00-
00005	MCCAIN UNIFORMS	284144-1	00140655	13000055	UNIFORMS FIRE DEPT	08/31/14	240097	447.60-
00005	MCCAIN UNIFORMS	285326-1	00140655	13000056	UNIFORMS FIRE DEPT	08/31/14	240097	91.00-
MCCAINUNIFORMS								
Sum								2,190.25-
00005	MOTOROLA CUSTOMER CONNEC	13024362	00141367	13000057	RADIO UPGRADES FIRE DEPT	08/31/14	240114	500.00-
00005	MOTOROLA CUSTOMER CONNEC	13024260	00144661	13000058	RADIO U#19835	08/31/14	240114	3,847.00-
MOTOROLA CUSTOMER CONNEC								
Sum								4,347.00-
Sum								6,537.25-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PAYROLL FUND								
00006	ADVANCED RECOVERY SYSTEM	4935	02014197	13000590	GARNISHMENT	08/27/14	19107	100.00-
ADVANCED RECOVERY SYSTEM								
Sum								100.00-
00006	AUTOMATED COLLECTION SER	5257	02014197	13000589	GARNISHMENT	08/27/14	19106	151.26-
AUTOMATED COLLECTION SER								
Sum								151.26-
00006	BENEFIT PAYMENT CONTROL	4292,6247,28	02014197	13000583	GARNISHMENT	08/27/14	19100	795.55-
BENEFIT PAYMENT CONTROL								
Sum								795.55-
00006	CHILD SUPPORT ENFORCEMEN	3871	02014198	13000574	CHILD SUPPORT	08/27/14	19091	200.00-
CHILDSUPPORT ENFORCEMEN								
Sum								200.00-
00006	COLUMBIA FINANCIAL SERVI	5013	02014197	13000598	GARNISHMENT	08/27/14	19115	338.50-
COLUMBIA FINANCIAL SERVI								
Sum								338.50-
00006	CONVERGENCE RECEIVABLES,	0474	02014197	13000585	GARNISHMENT	08/27/14	19102	230.38-
CONVERGENCE RECEIVABLES,								
Sum								230.38-
00006	CONVILLE & CONVILLE PLLC	5838	02014197	13000581	GARNISHMENT	08/27/14	19098	212.60-
CONVILLE & CONVILLE PLLC								
Sum								212.60-
00006	FAMILY SUPPORT PAYMENT C	9865	02014198	13000578	CHILD SUPPORT	08/27/14	19095	1,302.20-
FAMILYSUPPORT PAYMENT C								
Sum								1,302.20-
00006	FORREST CTY CHANCERY COU	08/2014	02014192	13000562	CHILD SUPPORT	08/25/14	19076	942.00-
FORREST CTY CHANCERY COU								
Sum								942.00-
00006	GAYLE SMITH	4645	02014198	13000579	CHILD SUPPORT	08/27/14	19096	303.38-
GAYLESMITH								
Sum								303.38-
00006	GREAT AMERICAN CASH ADVA	5621	02014197	13000586	GARNISHMENT	08/27/14	19103	203.89-
GREATAMERICAN CASH ADVA								
Sum								203.89-
00006	H F S RECOVERY (GARN)	8863	02014197	13000596	GARNISHMENT	08/27/14	19113	171.76-
H F SRECOVERY (GARN)								
Sum								171.76-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00006	HENLEY, LOTTERHOS & HENL	9998,7601,58	02014197	13000582	GARNISHMENT	08/27/14	19099	1,019.01-
HENLEY, LOTTERHOS & HENL								
Sum								1,019.01-
00006	INTERNAL REVENUE SERVICE	1524	02014187	13000560	GARNISHMENT	08/25/14	19074	112.65-
00006	INTERNAL REVENUE SERVICE	2873	02014187	13000558	GARNISHMENT	08/25/14	19072	100.00-
INTERNAL REVENUE SERVICE								
Sum								212.65-
00006	INTERNAL REVENUE SERVICE	9998	02014187	13000557	GARNISHMENT	08/25/14	19071	50.00-
00006	INTERNAL REVENUE SERVICE	6062	02014187	13000559	GARNISHMENT	08/25/14	19073	100.00-
00006	INTERNAL REVENUE SERVICE	8908	02014187	13000561	GARNISHMENT	08/25/14	19075	50.00-
INTERNAL REVENUE SERVICE								
Sum								200.00-
00006	JOHN R REEVES PC (CHILD	6467	02014198	13000576	CHILD SUPPORT	08/27/14	19093	150.00-
JOHN RREEVES PC (CHILD								
Sum								150.00-
00006	JOHNSON, JOEL (GARN)	0597	02014197	13000600	GARNISHMENT	08/27/14	19117	187.51-
JOHNSON, JOEL (GARN)								
Sum								187.51-
00006	LAMAR CTY CHANCERY CLERK	0935	02014198	13000573	CHILD SUPPORT	08/27/14	19090	540.00-
LAMARCTY CHANCERY CLERK								
Sum								540.00-
00006	MENDELSON LAW FIRM (GARN	9865	02014197	13000599	GARNISHMENT	08/27/14	19116	198.71-
MENDELSON LAW FIRM (GARN								
Sum								198.71-
00006	NEBRASKA CHILD SUPPORT (	4840	02014198	13000577	CHILD SUPPORT	08/27/14	19094	250.00-
NEBRASKA CHILD SUPPORT (								
Sum								250.00-
00006	NYS CHILD SUPPORT PROCES	8886	02014198	13000575	CHILD SUPPORT	08/27/14	19092	964.00-
NYS CHILD SUPPORT PROCES								
Sum								964.00-
00006	PERFORMANT RECOVERY, INC	6026	02014197	13000591	GARNISHMENT	08/27/14	19108	162.64-
PERFORMANT RECOVERY, INC								
Sum								162.64-
00006	PERKINS,LAW OFFICES OF F	8374	02014197	13000587	GARNISHMENT	08/27/14	19104	458.40-
PERKINS,LAW OFFICES OF F								
Sum								458.40-
00006	PIONEER CREDIT CO (GARN)	8063	02014197	13000597	GARNISHMENT	08/27/14	19114	215.57-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PIONEER CREDIT CO (GARN)								
Sum								215.57-
00006	REPUBLIC FINANCE INC (G	5994	02014197	13000584	GARNISHMENT	08/27/14	19101	329.38-
REPUBLIC FINANCE INC (G								
Sum								329.38-
00006	REVENUE RECOVERY CORPORA	0253	02014197	13000592	GARNISHMENT	08/27/14	19109	149.65-
REVENUE RECOVERY CORPORA								
Sum								149.65-
00006	RICHLAND COUNTY FAMILY C	4941	02014198	13000580	CHILD SUPPORT	08/27/14	19097	183.76-
RICHLAND COUNTY FAMILY C								
Sum								183.76-
00006	STEVEN D SLADE (GARN)	0474	02014197	13000593	GARNISHMENT	08/27/14	19110	98.66-
STEVEND SLADE (GARN)								
Sum								98.66-
00006	TRANSAMERICA LIFE	BURIAL INS P	02014201	13000605	BURIAL INS PREMIUM	08/28/14	19119	779.02-
TRANSAMERICA LIFE								
Sum								779.02-
00006	UNITED HEALTHCARE INS CO	09/2014	02014200	13000601	PREMIUM DUE 9/2014	08/27/14	19118	3,504.26-
UNITEDHEALTHCARE INS CO								
Sum								3,504.26-
00006	WINN BROWN LAW FIRM,THE	9380,6097	02014197	13000595	GARNISHMENT	08/27/14	19112	1,000.02-
WINN BROWN LAW FIRM,THE								
Sum								1,000.02-
Sum								15,554.76-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER OPERATION/MAINT.								
00009	AARON OIL COMPANY INC	257027-S	00145368	13001747	REMOVE OIL CONTAMINATED WATER	08/31/14	239952	50.00-
AARONOIL COMPANY INC								
Sum								50.00-
00009	ADVANCED JANITORIAL SERV	20318 WTR BI	00145278	13001710	SERV 8/14 WTR BILL OFFICE	08/31/14	239956	495.00-
ADVANCED JANITORIAL SERV								
Sum								495.00-
00009	BONNER ANALYTICAL TESTIN	56240	00145171	13001694	NPDES MONITORING 8/14	08/31/14	239979	885.82-
BONNERANALYTICAL TESTIN								
Sum								885.82-
00009	BRADY ELECTRIC LLC	148078	00144809	13001684	REPR ELEC MOTORS LAGOONS	08/31/14	239982	2,085.00-
BRADYELECTRIC LLC								
Sum								2,085.00-
00009	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13001725	CELL SERV 7/14 W&SO&M	08/31/14	239990	231.17-
C SPIRE WIRELESS (CELLUL								
Sum								231.17-
00009	CARQUEST AUTO PARTS STOR	14758-32979	00144983	13001683	REPR PTS U#14702 LAGOON	08/31/14	239995	57.58-
00009	CARQUEST AUTO PARTS STOR	14758-32954	00144986	13001687	REPR PTS U#11211 WTR BILLING	08/31/14	239995	241.02-
00009	CARQUEST AUTO PARTS STOR	14758-33166	00145088	13001689	REPR PTS U#11211 WTR BILLING	08/31/14	239995	24.39-
00009	CARQUEST AUTO PARTS STOR	14758-33049	00145040	13001705	BRAKE PTS U#14702 LAGOON	08/31/14	239995	146.74-
00009	CARQUEST AUTO PARTS STOR	14758-33612	00145308	13001736	REPR PTS U#15667 TRANS	08/31/14	239995	88.48-
00009	CARQUEST AUTO PARTS STOR	14758-33496	00145196	13001739	REPR PTS U#14702 LAGOON	08/31/14	239995	58.37-
CARQUEST AUTO PARTS STOR								
Sum								616.58-
00009	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13001685	TRF 2ND 8/14 PAYROLL	08/20/14	210805	101,200.33-
CITY OF HATTIESBURG FUND								
Sum								101,200.33-
00009	COBURN'S SUPPLY CO INC	607165490	00144916	13001690	PLUMB SUPP/EQUIP TRANS	08/31/14	239997	2,879.53-
COBURN'S SUPPLY CO INC								
Sum								2,879.53-
00009	COURTNEY'S RESTAURANT EQ	8803	00145178	13001698	CHECK ICE MACHINE WTR PLANT	08/31/14	240003	170.00-
COURTNEY'S RESTAURANT EQ								
Sum								170.00-
00009	COVINGTON SALES & SERVIC	66740	00144840	13001732	REPR PTS VARI SEWER UNITS	08/31/14	240004	3,131.11-
00009	COVINGTON SALES & SERVIC	66740 FRT	00145367	13001733	FRT CHGS PO#144840	08/31/14	240004	81.55-
COVINGTON SALES & SERVIC								
Sum								3,212.66-
00009	DELTA FOREMOST CHEMICAL	961518 FRT	00145366	13001748	FRT CHGS PO#142959	08/31/14	240011	73.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
DELTAFOREMOST CHEMICAL								
Sum								73.00-
00009	DIXIE COMMUNITY UTILITY	SEWER REPORT	00145409	13001735	SEWER BILLING REPORT 7/14	08/31/14	240014	321.25-
DIXIECOMMUNITY UTILITY								
Sum								321.25-
00009	FASTENAL COMPANY	MSHAT173438	00144806	13001657	PUMP EQUIP PTS LAGOONS	08/31/14	240028	107.51-
00009	FASTENAL COMPANY	MSHAT172996	00144178	13001714	REPR/MAINT SUPP SEWER DEPT	08/31/14	240028	214.72-
00009	FASTENAL COMPANY	MSHAT173665	00144987	13001715	VARI TYPE SCREWS SOUTH LAGOON	08/31/14	240028	741.44-
FASTENAL COMPANY								
Sum								1,063.67-
00009	FEDERAL EXPRESS	2-747-47322C	00145155	13001693	SERV 8/1/14 WATER PLANT	08/31/14	240029	15.67-
FEDERAL EXPRESS								
Sum								15.67-
00009	G & K SERVICES	1035506907	00145048	13001658	UNIFORMS 7/01 TRANS	08/31/14	240045	37.85-
00009	G & K SERVICES	1035509083	00145048	13001659	UNIFORMS 7/08 TRANS	08/31/14	240045	42.48-
00009	G & K SERVICES	1035511258	00145048	13001660	UNIFORMS 7/15 TRANS	08/31/14	240045	42.48-
00009	G & K SERVICES	1035513473	00145048	13001661	UNIFORMS 7/22 TRANS	08/31/14	240045	42.48-
00009	G & K SERVICES	1035515650	00145048	13001662	UNIFORMS 7/29 TRANS	08/31/14	240045	40.89-
00009	G & K SERVICES	1035506910	00145048	13001663	MOP/MAT 7/01 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035509086	00145048	13001664	MOP/MAT 7/08 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035511261	00145048	13001665	MOP/MAT 7/15 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035513476	00145048	13001666	MOP/MAT 7/22 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035515653	00145048	13001667	MOP/MAT 7/29 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035506908	00145048	13001668	UNIFORMS 7/01 PLANT	08/31/14	240045	60.60-
00009	G & K SERVICES	1035509084	00145048	13001669	UNIFORMS 7/08 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035511259	00145048	13001670	UNIFORMS 7/15 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035513474	00145048	13001671	UNIFORMS 7/22 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035515651	00145048	13001672	UNIFORMS 7/29 PLANT	08/31/14	240045	58.76-
00009	G & K SERVICES	1035506906	00145048	13001673	UNIFORMS 7/01 SEWER	08/31/14	240045	39.68-
00009	G & K SERVICES	1035509082	00145048	13001674	UNIFORMS 7/08 SEWER	08/31/14	240045	48.65-
00009	G & K SERVICES	1035511257	00145048	13001675	UNIFORMS 7/15 SEWER	08/31/14	240045	46.60-
00009	G & K SERVICES	1035513472	00145048	13001676	UNIFORMS 7/22 SEWER	08/31/14	240045	49.28-
00009	G & K SERVICES	1035515649	00145048	13001677	UNIFORMS 7/29 SEWER	08/31/14	240045	47.62-
00009	G & K SERVICES	1035506909	00145048	13001678	UNIFORMS 7/01 LAGOON	08/31/14	240045	16.00-
00009	G & K SERVICES	1035509085	00145048	13001679	UNIFORMS 7/08 LAGOON	08/31/14	240045	32.75-
00009	G & K SERVICES	1035511260	00145048	13001680	UNIFORMS 7/15 LAGOON	08/31/14	240045	32.73-
00009	G & K SERVICES	1035513475	00145048	13001681	UNIFORMS 7/22 LAGOON	08/31/14	240045	23.45-
00009	G & K SERVICES	1035515652	00145048	13001682	UNIFORMS 7/29 LAGOON	08/31/14	240045	16.17-
00009	G & K SERVICES	1035468134	00145447	13001742	UNIFORMS 2/25 WTR BILLING	08/31/14	240045	20.00-
00009	G & K SERVICES	1035517870	00145447	13001743	UNIFORMS 8/05 WTR BILLING	08/31/14	240045	17.38-
00009	G & K SERVICES	1035520048	00145447	13001744	UNIFORMS 8/12 WTR BILLING	08/31/14	240045	17.38-
00009	G & K SERVICES	1035522248	00145447	13001745	UNIFORMS 8/19 WTR BILLING	08/31/14	240045	18.82-
G & KSERVICES								
Sum								1,014.33-
00009	HOME DEPOT	6040611	00144842	13001716	GAS TRIMMER LAGOONS	08/31/14	240067	219.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
HOME DEPOT								
Sum								219.00-
00009	INDOFF INC	2502692	00145141	13001713	JANIT SUPP WTR PLANT	08/31/14	240068	657.81-
INDOFFINC								
Sum								657.81-
00009	IRBY, STUART C CO	S008490442.0	00145010	13001707	LIGHT BULBS WTR PLANT	08/31/14	240072	132.30-
00009	IRBY, STUART C CO	S008485066.0	00144912	13001708	POWER SUPPLY SOUTH LAGOON	08/31/14	240072	249.69-
00009	IRBY, STUART C CO	S008478223.0	00144858	13001709	BREAKER 63RD ST LIFT STA	08/31/14	240072	968.42-
00009	IRBY, STUART C CO	S008466835.0	00144737	13001721	ELEC SUPP LAGOONS	08/31/14	240072	1,541.64-
00009	IRBY, STUART C CO	S008466835.0	00144737	13001722	ELEC SUPP LAGOONS	08/31/14	240072	1,807.86-
IRBY,STUART C CO								
Sum								4,699.91-
00009	L & A CONTRACTING CO	483-11	00145355	13001729	AERATOR MAINT N&S LAGOONS	08/31/14	240084	26,824.66-
L & ACONTRACTING CO								
Sum								26,824.66-
00009	LAMAR AUTO SALVAGE INC	70531	00144991	13001740	REPR PTS U#11519 WTR BILLING	08/31/14	240085	70.00-
LAMARAUTO SALVAGE INC								
Sum								70.00-
00009	LANCASTER'S MACHINE & WE	21893	00144985	13001717	BRACKETS FOR SOUTH LAGOON	08/31/14	240086	1,700.00-
00009	LANCASTER'S MACHINE & WE	21901	00145311	13001738	REPRS U#15667 TRANS	08/31/14	240086	30.00-
LANCASTER'S MACHINE & WE								
Sum								1,730.00-
00009	LIBERTY FLAG & SPECIALTY	06140096	00143275	13001728	FLAGPOLE/FLAGS WTR PLANT	08/31/14	240087	2,823.50-
LIBERTY FLAG & SPECIALTY								
Sum								2,823.50-
00009	MATHES WATERWORKS LLC	516	00145217	13001720	GAS CHLORINATOR FOR PLANTS	08/31/14	240095	2,900.00-
MATHESWATERWORKS LLC								
Sum								2,900.00-
00009	MAULDIN COMPANY	30408	00144972	13001699	REPR PTS U#15775 SEWER	08/31/14	240096	367.64-
00009	MAULDIN COMPANY	30443	00145132	13001737	REPR PTS U#12486 TRANS	08/31/14	240096	46.09-
MAULDIN COMPANY								
Sum								413.73-
00009	MCELHANEY PLUMBING INC	222571	00144807	13001712	HAND TOOLS WTR SERV PERSONNEL	08/31/14	240098	256.75-
MCELHANEY PLUMBING INC								
Sum								256.75-
00009	MIKE'S TIRE & WHEEL CO	2176231	00145195	13001697	TIRES U#15646 PLANT	08/31/14	240106	698.40-
MIKE'STIRE & WHEEL CO								
Sum								698.40-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00009	MS POWER COMPANY	8/14 W&SO&M	00201422	13001724	MNTHLY ELEC-W&SO&M	08/31/14	240119	101,104.55-
MS POWER COMPANY								
Sum								101,104.55-
00009	MS WATER & POLLUTION CTR	MBRSHP DUES	00145444	13001746	MBRSHP DUES T GRIFFIN	08/31/14	240124	100.00-
MS WATER & POLLUTION CTR								
Sum								100.00-
00009	NORTH LAMAR WATER ASSN	SEWER BILLIN	00145446	13001741	SEWER BILLING REPORT 7/14	08/31/14	240131	139.00-
NORTHLAMAR WATER ASSN								
Sum								139.00-
00009	PEARL RIVER VALLEY EPA (	8/14 W&SO&M	00201422	13001723	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240137	251.26-
PEARLRIVER VALLEY EPA (								
Sum								251.26-
00009	RAWLS SPRINGS UTILITY DI	SWR BILLING	00145280	13001711	SEWER BILLING REPORT 7/14	08/31/14	240144	170.00-
RAWLSSPRINGS UTILITY DI								
Sum								170.00-
00009	RJM MCQUEEN CONTRACTING	794	00145223	13001700	REPRS NORTH LAGOON	08/31/14	240147	4,017.70-
00009	RJM MCQUEEN CONTRACTING	797	00145223	13001701	REPRS E 7TH STREET	08/31/14	240147	1,285.00-
00009	RJM MCQUEEN CONTRACTING	798	00145223	13001702	REPRS RONIE STREET	08/31/14	240147	6,950.00-
00009	RJM MCQUEEN CONTRACTING	795	00145223	13001703	REPRS OLIVER STREET	08/31/14	240147	6,817.25-
00009	RJM MCQUEEN CONTRACTING	796	00145223	13001704	REPRS OAK STREET	08/31/14	240147	5,457.00-
RJM MCQUEEN CONTRACTING								
Sum								24,526.95-
00009	SMITH, JIM SERVICES	82022A	00144864	13001695	A/C REPAIR SOUTH LAGOON	08/31/14	240155	250.00-
00009	SMITH, JIM SERVICES	82022B	00144954	13001696	ADDL AMT DUE PO#144864	08/31/14	240155	26.00-
SMITH,JIM SERVICES								
Sum								276.00-
00009	SOUTHERN PINE ELECTRIC P	8/14 W&SO&M	00201422	13001718	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240158	804.76-
SOUTHERN PINE ELECTRIC P								
Sum								804.76-
00009	SOUTHERN TIRE MART LLC	11091129	00145037	13001706	TIRES U#18556 TRANS	08/31/14	240160	500.00-
SOUTHERN TIRE MART LLC								
Sum								500.00-
00009	SPEEDY PRINTING & SIGNS	19727	00144880	13001686	BLANK POST CARDS WTR BILLING	08/31/14	240162	232.00-
SPEEDYPRINTING & SIGNS								
Sum								232.00-
00009	STANDARD OFFICE SUPPLY C	0046212-001	00144883	13001688	OFFICE SUPP WTR BILLING	08/31/14	240163	319.62-
STANDARD OFFICE SUPPLY C								
Sum								319.62-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00009	UNDERWOOD'S SMALL ENGINE	1405362	00143091	13001719	AGRI EQUIP REPR TRANS DEPT	08/31/14	240171	66.40-
00009	UNDERWOOD'S SMALL ENGINE	1407199	00144301	13001727	CHOP SAW REPR TRANS DEPT	08/31/14	240171	83.80-
UNDERWOOD'S SMALL ENGINE								
Sum								150.20-
00009	WARREN INC	WI-0067462	00141374	13001730	DUMP BODY WTR TRANS	08/31/14	240180	7,500.00-
00009	WARREN INC	WI-0067463	00144867	13001731	UNDER MT HITCH U#19845 TRANS	08/31/14	240180	350.00-
WARRENINC								
Sum								7,850.00-
00009	WARREN PAVING INC	16350MB ADDL	00142165	13001734	ADDL AMT DUE	08/31/14	240181	27.00-
WARRENPAVING INC								
Sum								27.00-
00009	WATTS BROTHERS TRACTOR C	158285	00144984	13001691	REPR PTS U#13083 SEWER DEPT	08/31/14	240184	219.00-
WATTSBROTHERS TRACTOR C								
Sum								219.00-
00009	WILLMUT GAS & OIL COMPAN	8/14 W&SO&M	00201422	13001726	MNTHLY GAS-W&SO&M	08/31/14	240187	13.04-
WILLMUT GAS & OIL COMPAN								
Sum								13.04-
Sum								292,291.15-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER FUND								
00011	BENNETT, BAILEY R	METER DEP RF	02014733	13000885	METER DEP RFD	08/31/14	239973	31.44-
BENNETT, BAILEY R								
Sum								31.44-
00011	BERRYHILL, PARKER	METER DEP RF	02014733	13000878	METER DEP RFD	08/31/14	239974	75.00-
BERRYHILL, PARKER								
Sum								75.00-
00011	BRUCE DONALD	METER DEP RF	02014733	13000883	METER DEP RFD	08/31/14	239984	35.94-
BRUCEDONALD								
Sum								35.94-
00011	BRUNT, CHRISTOPHER M	METER DEP RF	02014733	13000881	METER DEP RFD	08/31/14	239985	35.94-
BRUNT,CHRISTOPHER M								
Sum								35.94-
00011	COOPER, MELVIN SR	METER DEP RF	02014733	13000874	METER DEP RFD	08/31/14	240000	47.12-
COOPER, MELVIN SR								
Sum								47.12-
00011	CRAWFORD, RUSSELL	METER DEP RF	02014733	13000879	METER DEP RFD	08/31/14	240006	35.94-
CRAWFORD, RUSSELL								
Sum								35.94-
00011	DISHMON, JOSHUA J	METER DEP RF	02014733	13000886	METER DEP RFD	08/31/14	240013	4.32-
DISHMON, JOSHUA J								
Sum								4.32-
00011	DUCKSWORTH, CHERISH	METER DEP RF	02014733	13000887	METER DEP RFD	08/31/14	240018	75.00-
DUCKSWORTH, CHERISH								
Sum								75.00-
00011	GUERRA, HELEN400	METER DEP RF	02014733	13000891	METER DEP RFD	08/31/14	240055	75.00-
GUERRA, HELEN400								
Sum								75.00-
00011	HARTFIELD, JESSICA M	METER DEP RF	02014733	13000880	METER DEP RFD	08/31/14	240064	35.94-
HARTFIELD, JESSICA M								
Sum								35.94-
00011	HAWTHORNE, SONIA R	METER DEP RF	02014733	13000873	METER DEP RFD	08/31/14	240065	.94-
HAWTHORNE, SONIA R								
Sum								.94-
00011	INTERIOR CONSTRUCTION	METER DEP RF	02014733	13000872	METER DEP RFD	08/31/14	240070	17.17-
INTERIOR CONSTRUCTION								
Sum								17.17-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00011	KAPOUSTINA, MARIA N	METER DEP RF	02014733	13000884	METER DEP RFD	08/31/14	240080	52.94-
KAPOUSTINA, MARIA N								
Sum								52.94-
00011	KDC INVESTMENTS 338C	METER DEP RF	02014733	13000871	METER DEP RFD	08/31/14	240081	35.94-
KDC INVESTMENTS 338C								
Sum								35.94-
00011	LINDEN, PAUL S	METER DEP RF	02014733	13000889	METER DEP RFD	08/31/14	240088	75.00-
LINDEN, PAUL S								
Sum								75.00-
00011	LUNA, PAULA	METER DEP RF	02014733	13000876	METER DEP RFD	08/31/14	240090	40.00-
LUNA,PAULA								
Sum								40.00-
00011	NETWORK SERVICES (NSI)	10201490000	02014727	13000870	WATER COLLECTIONS FEES	08/31/14	240129	73.72-
NETWORK SERVICES (NSI)								
Sum								73.72-
00011	SAFEGUARD,PROPERTIES906	METER DEP RF	02014733	13000890	METER DEP RFD	08/31/14	240150	35.94-
SAFEGUARD,PROPERTIES906								
Sum								35.94-
00011	SHORT, MICHAEL C	METER DEP RF	02014733	13000888	METER DEP RFD	08/31/14	240154	35.94-
SHORT,MICHAEL C								
Sum								35.94-
00011	THE ACADEMY OF HAIR DESI	METER DEP RF	02014733	13000877	METER DEP RFD	08/31/14	240168	52.17-
THE ACADEMY OF HAIR DESI								
Sum								52.17-
00011	TOWER LOAN OF S. HATTIES	METER DEP RF	02014733	13000875	METER DEP RFD	08/31/14	240169	17.17-
TOWERLOAN OF S. HATTIES								
Sum								17.17-
00011	WHOLER, WILLIAM	METER DEP RF	02014733	13000882	METER DEP RFD	08/31/14	240185	35.94-
WHOLER, WILLIAM								
Sum								35.94-
Sum								924.51-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
POLICEFORFEITURES FUND								
00019	H'BURG COCA COLA BOTTLIN	56M01023801	00143609	13000080	POWERADE PAL SUMMER CAMP	08/31/14	240059	159.36-
H'BURGCOCA COLA BOTTLIN								
Sum								159.36-
00019	WAL-MART STORES INC	006703 & 005	00144583	13000079	FOOD/SOFT DRINKS NNO	08/31/14	240176	392.92-
WAL-MART STORES INC								
Sum								392.92-
Sum								552.28-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MUNICIPAL ROAD & BRIDGE								
00072	CATERPILLAR FINANCIAL SE	0597687 INV	02014737	13000181	BACKHOE LEASE PYMT DUE 8/29/14	08/21/14	41130	1,086.14-
CATERPILLAR FINANCIAL SE								
Sum								1,086.14-
00072	NEEL-SCHAFFER INC	1019794	00145263	13000182	SRV 6/1-7/31/14 HARDY ST CORR	08/31/14	240128	716.80-
00072	NEEL-SCHAFFER INC	1020047	00145299	13000183	SRV 7/14 BRDWAY DR/MOBILE ST	08/31/14	240128	737.10-
00072	NEEL-SCHAFFER INC	1019807-1020	00145259	13000184	SRV 6/1-7/31/14 HAWKINS ELEM	08/31/14	240128	5,854.35-
00072	NEEL-SCHAFFER INC	1019806	00145260	13000185	SRV 6/14 TUSCAN AVE PED IMP	08/31/14	240128	9,361.52-
00072	NEEL-SCHAFFER INC	1019805-1020	00145300	13000186	SRV 6/1-7/31/14 GORDON CRK	08/31/14	240128	18,366.65-
00072	NEEL-SCHAFFER INC	10020043 & 1	00145481	13000188	SRV 4TH ST WIDENING 6/1-7/31	08/31/14	240128	47,925.67-
NEEL-SCHAFFER INC								
Sum								82,962.09-
00072	PRECISION CONSTRUCTION L	MDOT CONTRAC	00145483	13000187	SRV WOODLEY SIDEWALK PO144963	08/31/14	240140	45,523.88-
PRECISION CONSTRUCTION L								
Sum								45,523.88-
00072	WARREN PAVING INC	MDOT CONTRAC	00145482	13000189	SRV 4TH ST WIDENING PO#144964	08/31/14	240181	45,864.75-
WARRENPAVING INC								
Sum								45,864.75-
Sum								175,436.86-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MASS TRANSIT FUND								
00073	ADVANCED JANITORIAL SERV	20318 MASS T	00145278	13000437	SERV 8/14 MASS TRANSIT	08/31/14	239956	345.00-
ADVANCED JANITORIAL SERV								
Sum								345.00-
00073	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13000441	CELL SERV 7/14 MASS TRANSIT	08/31/14	239990	56.58-
C SPIRE WIRELESS (CELLUL								
Sum								56.58-
00073	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13000433	TRF 2ND 8/14 PAYROLL	08/20/14	19062	26,581.56-
CITY OF HATTIESBURG FUND								
Sum								26,581.56-
00073	COPY CATS PRINTING	401300	00145271	13000439	FLYERS FOR BUSES	08/31/14	240001	58.95-
COPY CATS PRINTING								
Sum								58.95-
00073	DOSSETT PONTIAC CADILLAC	96441	00144857	13000436	REPR PTS U#16760	08/31/14	240017	492.86-
DOSSETT PONTIAC CADILLAC								
Sum								492.86-
00073	GILLIG LLC	40038600	00144831	13000431	REPR PTS U#16234 & U#16235	08/31/14	240049	1,160.14-
GILLIGLLC								
Sum								1,160.14-
00073	JOHNNY'S WRECKER SERVICE	23196	00145025	13000432	TOWING U#16235 TO JACKSON	08/31/14	240075	700.00-
JOHNNY'S WRECKER SERVICE								
Sum								700.00-
00073	MS POWER COMPANY	8/14 M TRANS	00201422	13000440	MNTHLY ELEC-MASS TRANSIT	08/31/14	240119	1,010.08-
MS POWER COMPANY								
Sum								1,010.08-
00073	VERIZON WIRELESS	9730092160	00145282	13000438	GPS PARATRANS BUSES 8/11-9/10	08/31/14	240174	201.81-
VERIZON WIRELESS								
Sum								201.81-
00073	WATERS INTERNATIONAL TRU	242260031	00145019	13000434	REPRS U#18571 BUS	08/31/14	240183	572.02-
00073	WATERS INTERNATIONAL TRU	8-242310080	00145091	13000435	REPR PTS BUS STOCK	08/31/14	240183	42.65-
WATERSINTERNATIONAL TRU								
Sum								614.67-
Sum								31,221.65-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER&SEWER CONSTRUCTION FUND								
00075	GOURAS, JIMMY G, URBAN P	9761	00145310	13000082	SRVS USA YEAST WASTEWTR TRTMT	08/31/14	240053	2,791.69-
00075	GOURAS, JIMMY G, URBAN P	9760	00145313	13000083	SRVS 4/1-6/30/14 USA YEAST	08/31/14	240053	8,375.01-
GOURAS, JIMMY G, URBAN P								
Sum								11,166.70-
00075	MORGAN, C J INC	2014082	00145257	13000078	WTR LEAKS WILDWOOD TRACE	08/31/14	240112	7,570.35-
00075	MORGAN, C J INC	2014083	00145257	13000079	FIRE TAP 300 CAHAL ST	08/31/14	240112	7,969.80-
00075	MORGAN, C J INC	2014081	00145257	13000080	WTR LEAKS DIXIE PINE/JAMES	08/31/14	240112	9,802.40-
00075	MORGAN, C J INC	2014080	00145257	13000081	FIRE TAP HWY 98 TOYOTA	08/31/14	240112	5,475.00-
MORGAN, C J INC								
Sum								30,817.55-
Sum								41,984.25-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY CENTERS' FUND								
00077	ADCOCK POOLS AND SPA	07037	00143596	13000451	FOUNTAIN REPR CULTURAL CNTR	08/31/14	239954	331.00-
ADCOCKPOOLS AND SPA								
Sum								331.00-
00077	BAKER, JINNIE (REFUNDS)	CULTURAL CEN	02014750	13000473	DAMAGE DEPOSIT REFUND	08/31/14	239970	300.00-
BAKER,JINNIE (REFUNDS)								
Sum								300.00-
00077	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13000461	CELL SERV 7/14 COMM CNTRS	08/31/14	239990	49.63-
C SPIRE WIRELESS (CELLUL								
Sum								49.63-
00077	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13000452	TRF 2ND 8/14 PAYROLL	08/20/14	310129	20,188.23-
CITY OF HATTIESBURG FUND								
Sum								20,188.23-
00077	EATON, KERMAS	PETTY CASH 7	00145397	13000474	PETTY CASH COMM CNTRS	08/31/14	240021	19.11-
EATON,KERMAS								
Sum								19.11-
00077	G & K SERVICES	1035515642	00145378	13000465	UNIFORMS 7/29 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	1035517841	00145378	13000466	UNIFORMS 8/05 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	1035520019	00145378	13000467	UNIFORMS 8/12 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	1035522219	00145378	13000468	UNIFORMS 8/19 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	103552439	00145378	13000469	UNIFORMS 8/26 COMM CNTRS	08/31/14	240045	43.56-
G & KSERVICES								
Sum								217.80-
00077	GARNER LUMLEY ELECTRIC S	503583	00145144	13000455	EMER LIGHTS MCNAIR CNTR GYM	08/31/14	240047	99.50-
GARNERLUMLEY ELECTRIC S								
Sum								99.50-
00077	MALONE, CHARLES W INC	PO#144197 8/	00144197	13000453	ROOF PANELS MCNAIR CENTER	08/31/14	240093	9,860.00-
MALONE, CHARLES W INC								
Sum								9,860.00-
00077	MCGINNIS, MIKKI (REFUNDS	CULTURAL CEN	02014750	13000470	DAMAGE DEPOSIT REFUND	08/31/14	240099	250.00-
MCGINNIS, MIKKI (REFUNDS								
Sum								250.00-
00077	MINGLEDORFF'S INC	5418749-00	00144757	13000454	A/C FILTERS SHERRILL/CE ROY	08/31/14	240108	654.64-
MINGLEDORFF'S INC								
Sum								654.64-
00077	MS POWER COMPANY	8/14 COMM CN	00201422	13000460	MNTHLY ELEC-COMM CNTRS	08/31/14	240119	4,453.35-
MS POWER COMPANY								
Sum								4,453.35-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00077	NEWELL PAPER COMPANY	820156	00144563	13000457	JANIT SUPP COMM CNTRS	08/31/14	240130	160.61-
00077	NEWELL PAPER COMPANY	820916	00144563	13000458	JANIT SUPP COMM CNTRS	08/31/14	240130	1,023.74-
NEWELLPAPER COMPANY								
Sum								1,184.35-
00077	OFFICE DEPOT INC	1700829995	00144541	13000456	PRINTER CE ROY CENTER	08/31/14	240133	85.49-
OFFICEDEPOT INC								
Sum								85.49-
00077	PINE BELT INDUSTRIAL SUP	4125479-0001	00145219	13000463	A/C REPR SUPP SHERRILL CNTR	08/31/14	240138	26.55-
PINE BELT INDUSTRIAL SUP								
Sum								26.55-
00077	SOLAR SUPPLY INC	3459088	00145143	13000464	A/C REPR PTS MCNAIR CENTER	08/31/14	240156	150.64-
SOLARSUPPLY INC								
Sum								150.64-
00077	WAL-MART STORES INC	008619	00144756	13000459	VARI SIZE BATTERIES COMM CTRS	08/31/14	240176	143.79-
WAL-MART STORES INC								
Sum								143.79-
00077	WALKER, RASHEDA (REFUNDS	SHERRILL CEN	02014750	13000472	DAMAGE DEPOSIT REFUND	08/31/14	240177	100.00-
WALKER, RASHEDA (REFUNDS								
Sum								100.00-
00077	WIKSTROM, BROOKE (REFUND	CULTURAL CEN	02014750	13000471	DAMAGE DEPOSIT REFUND	08/31/14	240186	250.00-
WIKSTROM, BROOKE (REFUND								
Sum								250.00-
00077	WILLMUT GAS & OIL COMPAN	8/14 COMM CN	00201422	13000462	MNTHLY GAS-COMM CNTRS	08/31/14	240187	31.55-
WILLMUT GAS & OIL COMPAN								
Sum								31.55-
Sum								38,395.63-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY DEVELOP. BLOCK GRANT								
00082	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13000296	CELL SERV 7/14 CDBG	08/31/14	239990	31.96-
C SPIRE WIRELESS (CELLUL								
Sum								31.96-
00082	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13000291	TRF 2ND 8/14 PAYROLL	08/20/14	310130	7,467.54-
CITY OF HATTIESBURG FUND								
Sum								7,467.54-
00082	EATON, KERMAS	PETTY CASH 7	00145397	13000297	PETTY CASH CDBG	08/31/14	240021	20.62-
EATON,KERMAS								
Sum								20.62-
00082	HOLLIMON CONSTRUCTION	154	00145161	13000294	712 NTHILL DR#3 CTOPS FANS LIG	08/20/14	310133	10,500.00-
HOLLIMON CONSTRUCTION								
Sum								10,500.00-
00082	INDOFF INC	2496394B	00144707	13000295	OFFICE SUPP CDBG/HOME PROG	08/31/14	240068	96.42-
INDOFFINC								
Sum								96.42-
00082	PINE BELT COMMUNITY SERV	08/19/14	00145160	13000293	FOOD, GAS CARDS, EQUIP, DR#7	08/20/14	310132	2,249.57-
PINE BELT COMMUNITY SERV								
Sum								2,249.57-
00082	SMITH'S REMODELING	08/04/14	00145159	13000292	1802 EDWARDS HEATERS DOORS DR5	08/20/14	310131	3,440.00-
SMITH'S REMODELING								
Sum								3,440.00-
Sum								23,806.11-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
INDUSTRIAL PARK DEVELOPMENT								
00087	AREA DEVELOPMENT PARTNER	182	00145105	13000052	ADMIN FEES IND PK 7/1-9/30/14	08/31/14	239963	875.00-
AREA DEVELOPMENT PARTNER								
Sum								875.00-
Sum								875.00-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
2001 BOND CONSTRUCTION FUND								
00095	H'BURG CONVENTION COMMIS	REIMB MS HAB	00145335	13000001	REIMB MS HABITAT EXHIBIT IMPS	08/31/14	240060	145,361.00-
H'BURGCONVENTION COMMIS								
Sum								145,361.00-
Sum								145,361.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
SPECIAL SALES TAX-T&A								
00107	H'BURG CONVENTION COMMIS	FOOD/BEVERAG	02014730	13000022	FOOD/BEVERAGE TAX 7/14	08/18/14	19057	589,479.87-
H'BURGCONVENTION COMMIS								
Sum								589,479.87-
00107	H'BURG TOURISM COMMISSIO	MOTEL SALES	02014729	13000021	MOTEL SALES TAX 7/14	08/18/14	19056	64,358.11-
H'BURGTOURISM COMMISSIO								
Sum								64,358.11-
Sum								653,837.98-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GROUPINSURANCE TRUST FUND								
00109	CITY OF HATTIESBURG FUND	TRF TAYLOR H	02014746	79	TRF TAYLOR HENRY DAVIS HOLLOWA	08/27/14	310135	96.90-
CITY OF HATTIESBURG FUND								
Sum								96.90-
Sum								96.90-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GrandTotal Level Sum							3,057,478.87-

CITY OF HATTIESBURG - GENERAL FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GENERAL FUND								
00001	ADVANCE AUTO PARTS	560442397624	00145229	13007591	CAR OPENING KITS FIRE DEPT	08/31/14	239955	152.80-
00001	ADVANCE AUTO PARTS	560442397624	00145229	13007601	CREDIT	08/31/14	239955	151.20
ADVANCE AUTO PARTS								
Sum								1.60-
00001	ADVANCED JANITORIAL SERV	20318 CITY H	00145278	13007444	SERV 8/14 CITY HALL	08/31/14	239956	1,925.00-
00001	ADVANCED JANITORIAL SERV	20318 TRAFFI	00145278	13007445	SERV 8/14 TRAFFIC	08/31/14	239956	250.00-
ADVANCED JANITORIAL SERV								
Sum								2,175.00-
00001	AGGIE'S CONSTRUCTION	PO#145187 8/	00145187	13007575	STORM DRAIN PARK AVE BUS STOP	08/31/14	239957	1,750.00-
AGGIE'S CONSTRUCTION								
Sum								1,750.00-
00001	AGRI-AFC LLC	5070074	00145305	13007566	HERBICIDE CEMETERY	08/31/14	239958	590.00-
AGRI-AFC LLC								
Sum								590.00-
00001	AIRGAS USA LLC (NORDAN S	9030634374	00145137	13007594	FLOWMETER FOR SHOP	08/31/14	239959	109.24-
00001	AIRGAS USA LLC (NORDAN S	9030496411	00144528	13007595	WELDING SUPP SHOP STOCK	08/31/14	239959	539.82-
AIRGASUSA LLC (NORDAN S								
Sum								649.06-
00001	ALL SOUTH PORTABLE SANIT	14355	00142194	13007409	PORTALETS MED CLINIC 4-6/14	08/31/14	239960	225.00-
ALL SOUTH PORTABLE SANIT								
Sum								225.00-
00001	ALLBRITTON CHAIN SAW & L	PO#145200 8/	00145200	13007563	CHAINSAW REPR PUBLIC WORKS	08/31/14	239961	85.45-
ALLBRITTON CHAIN SAW & L								
Sum								85.45-
00001	ANDERSON RETAIL INC	98958	00145290	13007565	BLDG SUPP 4TH ST MED CLINIC	08/31/14	239962	239.98-
00001	ANDERSON RETAIL INC	98996	00145341	13007597	PAINT SUPP 4TH ST MED CLINIC	08/31/14	239962	89.10-
ANDERSON RETAIL INC								
Sum								329.08-
00001	ASH MILLWORKS	39078	00144722	13007501	PLYWOOD CONSTR DEPT	08/31/14	239964	297.42-
ASH MILLWORKS								
Sum								297.42-
00001	AT&T	M26684200105	00145145	13007398	INTERACT SOFTWARE SUPPORT	08/31/14	239965	871.00-
00001	AT&T	M26491400105	00145145	13007399	INTERACT SOFTWARE SUPPORT	08/31/14	239965	47.00-
AT&T								
Sum								918.00-

00001	AT&T MOBILITY	137065628-6	00145347	13007514	U-VERSE INTERNET FEE 7/25/14	08/31/14	239966	20.66-
AT&T MOBILITY								
Sum								20.66-
00001	AUTO ARMATURE SERVICE IN	16014	00144926	13007340	BATTERY U#13175 SANIT	08/31/14	239967	131.95-
00001	AUTO ARMATURE SERVICE IN	16036	00145057	13007380	ALTERNATOR U#10690 CONSTR	08/31/14	239967	99.95-
00001	AUTO ARMATURE SERVICE IN	15771	00144470	13007494	BATTERY U#17354 POLICE	08/31/14	239967	157.95-
00001	AUTO ARMATURE SERVICE IN	16301	00145351	13007608	BATTERY U#14808 CEMETERY	08/31/14	239967	139.95-
AUTO ARMATURE SERVICE IN								
Sum								529.80-
00001	AUTOMOTIVE GLASS SPECIAL	I149111	00144836	13007569	MIRROR REPR U#7868 CEMETERY	08/31/14	239968	180.00-
AUTOMOTIVE GLASS SPECIAL								
Sum								180.00-
00001	B & F TACTICAL STORE	363	00144299	13007293	S/S SHIRTS POLICE STOCK	08/31/14	239969	1,625.00-
B & FTACTICAL STORE								
Sum								1,625.00-
00001	BARDING GENERATOR & STAR	156538	00145115	13007375	ALTERNATOR U#13933 FIRE DEPT	08/31/14	239971	425.00-
BARDING GENERATOR & STAR								
Sum								425.00-
00001	BIG IRON DIESEL REPAIR L	SO1887	00145128	13007599	REPRS U#17724 SANIT	08/31/14	239976	2,366.89-
BIG IRON DIESEL REPAIR L								
Sum								2,366.89-
00001	BIG 10 TIRE & ACCESSORIE	10868	00144949	13007552	INSTALL STEPS U#14245 VAN	08/31/14	239977	337.50-
BIG 10TIRE & ACCESSORIE								
Sum								337.50-
00001	BODY TECH INC	11518	00145055	13007331	TOWING U#15777 POLICE	08/31/14	239978	65.00-
00001	BODY TECH INC	PO#144739 8/	00144739	13007365	WRECK REPR U#18322 POLICE	08/31/14	239978	2,461.30-
00001	BODY TECH INC	11562	00145412	13007583	TOWING UJ#17312 POLICE	08/31/14	239978	55.00-
BODY TECH INC								
Sum								2,581.30-
00001	BONNER ANALYTICAL TESTIN	56304	00145201	13007421	ASBESTOS TEST 922 ELIZABETH	08/31/14	239979	25.00-
BONNERANALYTICAL TESTIN								
Sum								25.00-
00001	BRACKMAN MOWER WAREHOUSE	0132702	00144631	13007297	BATTERY U#18891 MOWER	08/31/14	239980	42.00-
00001	BRACKMAN MOWER WAREHOUSE	0133122	00144871	13007301	TRIMMER OIL HEALTH DIV	08/31/14	239980	108.00-
00001	BRACKMAN MOWER WAREHOUSE	0133040	00144715	13007302	REPR TRIMMERS AIRPORT MAINT	08/31/14	239980	100.00-
00001	BRACKMAN MOWER WAREHOUSE	0133337	00145081	13007428	REPR PTS U#18707 STREET	08/31/14	239980	197.37-
BRACKMAN MOWER WAREHOUSE								
Sum								447.37-
00001	BUNKER GEAR SPECIALISTS	21094	00145009	13007525	RECHARGABLE BATTERIES ACDMY	08/31/14	239986	290.40-
BUNKERGEAR SPECIALISTS								
Sum								290.40-

00001	BURNS COOLEY DENNIS, INC	25071	00145484	13007612	SRV 12/29/13-1/25/14 AIRPORT	08/31/14	239988	8,000.00-
BURNSCOOLEY DENNIS, INC								
Sum								8,000.00-
00001	C D W GOVERNMENT	NT40260	00144901	13007522	UNITRENDS YEARLY MAINT	08/31/14	239989	4,450.00-
00001	C D W GOVERNMENT	NN80025	00144651	13007532	TABLET FOR ENGINEER	08/31/14	239989	1,423.85-
00001	C D W GOVERNMENT	NT12426	00144651	13007533	TABLET FOR ENGINEER	08/31/14	239989	150.00-
C D WGOVERNMENT								
Sum								6,023.85-
00001	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13007542	CELL SERV 7/14 GENERAL	08/31/14	239990	7,731.63-
C SPIRE WIRELESS (CELLUL								
Sum								7,731.63-
00001	CANON FINANCIAL SERVICES	14079874	00145156	13007397	COPIER 8/14 PURCHASING	08/31/14	239992	115.00-
CANONFINANCIAL SERVICES								
Sum								115.00-
00001	CANON SOLUTIONS AMERICA	789410	00145154	13007396	COPIER OVERAGE 8/14 PURCH	08/31/14	239993	33.87-
CANONSOLUTIONS AMERICA								
Sum								33.87-
00001	CARQUEST AUTO PARTS STOR	14758-33343	00145140	13007417	REPR PTS U#16758 POLICE	08/31/14	239995	165.64-
00001	CARQUEST AUTO PARTS STOR	14758-32792	00144930	13007432	REPR PTS SANIT STOCK	08/31/14	239995	32.96-
00001	CARQUEST AUTO PARTS STOR	14758-33239	00145076	13007433	REPR PTS U#14677 SANIT	08/31/14	239995	204.22-
00001	CARQUEST AUTO PARTS STOR	14758-33238	00145076	13007434	REPR PTS U#14677 SANIT	08/31/14	239995	49.44-
CARQUEST AUTO PARTS STOR								
Sum								452.26-
00001	CITY OF HATTIESBURG FUND	TRF TO CORRE	02014706	13007320	TRF TO CORRECT DEP ERROR	08/18/14	19061	1,569.51-
00001	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13007348	TRF 2ND 8/14 PAYROLL	08/20/14	19062	1,091,582.28-
CITY OF HATTIESBURG FUND								
Sum								1,093,151.79-
00001	CITY OF HATTIESBURG FUND	TRF ST/MS CD	02014732	13007349	TRF ST/MS CDBG W/W TREAT	08/20/14	19063	42,492.86-
CITY OF HATTIESBURG FUND								
Sum								42,492.86-
00001	COBURN'S SUPPLY CO INC	607177838	00145021	13007498	WATER COOLER PUBLIC WORKS	08/31/14	239997	387.50-
COBURN'S SUPPLY CO INC								
Sum								387.50-
00001	COMMERCIAL STATIONERY CO	361007-0	00143926	13007332	OFFICE SUPP P/F ACADEMY	08/31/14	239998	418.14-
00001	COMMERCIAL STATIONERY CO	361007-1	00143926	13007333	OFFICE SUPP P/F ACADEMY	08/31/14	239998	103.77-
00001	COMMERCIAL STATIONERY CO	361007-0(B)	00143926	13007347	OFFICE SUPP P/F ACADEMY	08/31/14	239998	166.89-
00001	COMMERCIAL STATIONERY CO	363146-0	00145380	13007589	FOLDERS FOR EMPLOYEES	08/31/14	239998	232.76-
COMMERCIAL STATIONERY CO								
Sum								921.56-
00001	COMSOUTH	174726	00144891	13007527	EMER LIGHTS U#19835 FIRE	08/31/14	239999	2,224.66-
COMSOUTH								

Sum								2,224.66-
00001	COURTESY MOTORS INC	421203	00145283	13007600	REPR PTS U#15963 AIRPORT	08/31/14	240002	137.86-
COURTESY MOTORS INC								
Sum								137.86-
00001	CRAIN TRACTOR & EQUIPMEN	R064888	00144973	13007606	REPRS U#15514 STREET	08/31/14	240005	1,744.00-
CRAINTRACTOR & EQUIPMEN								
Sum								1,744.00-
00001	CUSTOM GUIDE	21448	00145129	13007407	ONLINE LEARNING P/W STAFF	08/31/14	240007	625.00-
00001	CUSTOM GUIDE	21457 MCKINL	00145224	13007506	ONLINE CLASS REG MCKINLEY	08/31/14	240007	125.00-
CUSTOMGUIDE								
Sum								750.00-
00001	D P S CRIME LAB	900000771	00145407	13007581	ANALYTICAL SERVS 8/14 POLICE	08/31/14	240008	350.00-
D P SCRIME LAB								
Sum								350.00-
00001	DAVIS GLASS	1456	00144998	13007300	WINDSHIELD U#15480 CONSTR	08/31/14	240009	165.00-
DAVISGLASS								
Sum								165.00-
00001	DAWSON, JOSEPH	TRAV ADVANCE	00145211	13007427	TRAV ADV MACE CONF GULFPORT	08/31/14	240010	82.00-
DAWSON, JOSEPH								
Sum								82.00-
00001	DILLARDS DEPARTMENT STOR	P933600K000X	00144465	13007524	CLOTH ALLOW SIMS POLICE DEPT	08/31/14	240012	488.19-
DILLARDS DEPARTMENT STOR								
Sum								488.19-
00001	DORNAN LAW OFFICE, PLLC	3382-13	00145343	13007517	SRVS PRECISION CONSTR V CITY	08/31/14	240016	7,032.74-
DORNANLAW OFFICE, PLLC								
Sum								7,032.74-
00001	DUNAGIN PEST CONTROL(PRE	8803727	00145038	13007342	SENTRICON SERV AIRPT TERMINAL	08/31/14	240019	54.00-
DUNAGIN PEST CONTROL(PRE								
Sum								54.00-
00001	DUPREE, JOHNNY MAYOR	TRAVEL REIMB	00145330	13007515	EPA TRAVEL REIMB WASHINGTON	08/31/14	240020	858.88-
DUPREE, JOHNNY MAYOR								
Sum								858.88-
00001	EATON, KERMAS	PETTY CASH 7	00145397	13007576	PETTY CASH VARI DEPTS	08/31/14	240021	158.84-
EATON,KERMAS								
Sum								158.84-
00001	ECONOMY SUPPLY CO	217562	00144824	13007495	GENERATOR TO RUN TIMING MACH	08/31/14	240022	480.00-
ECONOMY SUPPLY CO								
Sum								480.00-
00001	EMERGENCY EQUIPMENT PROF	411210	00144399	13007370	REPR PTS U#14517 FIRE DEPT	08/31/14	240024	348.50-
00001	EMERGENCY EQUIPMENT PROF	411221	00144313	13007377	TROUBLE SHOOT FIRE UNITS	08/31/14	240024	100.00-

00001	EMERGENCY EQUIPMENT PROF	411222	00144313	13007378	REPRS U#11353 & U#18098	08/31/14	240024	295.00-
00001	EMERGENCY EQUIPMENT PROF	411211	00144399	13007384	REPR PTS U#147517 FIRE DEPT	08/31/14	240024	348.50-
00001	EMERGENCY EQUIPMENT PROF	C10523	00144399	13007385	CREDIT INV#411210	08/31/14	240024	348.50
00001	EMERGENCY EQUIPMENT PROF	411220	00144313	13007386	REPRS U#11353 & U#18098	08/31/14	240024	393.25-
00001	EMERGENCY EQUIPMENT PROF	C10524	00144313	13007387	CREDIT INV#144091	08/31/14	240024	100.00
00001	EMERGENCY EQUIPMENT PROF	C10525	00144313	13007388	CREDIT INV#411098	08/31/14	240024	295.00
EMERGENCY EQUIPMENT PROF								
Sum								741.75-
00001	EMERGENCY VETS	26801	00145054	13007344	DOG EUTHANASIA	08/31/14	240025	38.15-
EMERGENCY VETS								
Sum								38.15-
00001	EXPRESS PRESS	25850	00144218	13007330	S/S SPORT SHIRTS STOCK	08/31/14	240026	1,190.00-
EXPRESS PRESS								
Sum								1,190.00-
00001	FARRELL-CALHOUN	8476	00145131	13007416	PAINT SUPP MUSTER ROOM	08/31/14	240027	39.50-
00001	FARRELL-CALHOUN	8512	00145272	13007534	PAINT SUPP 4TH ST MED CLINIC	08/31/14	240027	129.17-
FARRELL-CALHOUN								
Sum								168.67-
00001	FASTENAL COMPANY	MSHAT173592	00144921	13007337	SPRAY PAINT SUPP TRAFFIC	08/31/14	240028	867.66-
00001	FASTENAL COMPANY	MSHAT173594	00144863	13007338	CONCRETE SAW BLADES	08/31/14	240028	94.27-
00001	FASTENAL COMPANY	MSHAT173595	00144870	13007531	SAFETY GLASSES/TOOLS	08/31/14	240028	226.25-
FASTENAL COMPANY								
Sum								1,188.18-
00001	FEDERAL EXPRESS	2-733-16929A	00145153	13007392	SERV 7/24/14 WAITS M/ADM	08/31/14	240029	24.00-
00001	FEDERAL EXPRESS	2-733-16929B	00145153	13007393	SERV 7/21/14 POLK ENGR	08/31/14	240029	20.04-
00001	FEDERAL EXPRESS	2-747-47322B	00145155	13007394	SERV 8/6/14 BROWN MPO	08/31/14	240029	17.57-
00001	FEDERAL EXPRESS	2-747-47322A	00145155	13007411	SERV 8/8/14 WAITS M/ADM	08/31/14	240029	17.68-
FEDERAL EXPRESS								
Sum								79.29-
00001	FERGUSON ENTERPRISES INC	1255877	00145083	13007502	PLUMB SUPP CONSTR DEPT	08/31/14	240030	107.52-
FERGUSON ENTERPRISES INC								
Sum								107.52-
00001	FIELDER, DAVID	TRAVEL REIMB	00145383	13007553	EXPNS FIRE SERV INSPECTOR CLS	08/31/14	240031	100.56-
FIELDER, DAVID								
Sum								100.56-
00001	FORESTRY SUPPLIERS INC	642587-00	00144911	13007296	MINOR EQUIP #7 FIRE STA	08/31/14	240032	62.80-
FORESTRY SUPPLIERS INC								
Sum								62.80-
00001	FORREST CTY CHANCERY COU	RECORDING FE	00145266	13007447	RECORDING FEES LAND CODE	08/31/14	240033	186.00-
00001	FORREST CTY CHANCERY COU	RECORDING FE	00145362	13007584	RESOLUTIONS/CANCELLATIONS LDC	08/31/14	240034	489.00-
FORREST CTY CHANCERY COU								
Sum								675.00-

00001	FRANK'S SAWMILL INC	PO#144499 8/	00144499	13007592	OAK BOARDS-TRAILER U#15210	08/31/14	240035	520.00-
FRANK'S SAWMILL INC								
Sum								520.00-
00001	FROST, CURANDA	TRAV ADVANCE	00145205	13007422	TRAV ADV MACE CONF GULFPORT	08/31/14	240036	174.96-
FROST,CURANDA								
Sum								174.96-
00001	FUELMAN OF MS	BG127044 NP4	00145052	13007329	FUEL CHG 7/28-8/3 POLICE	08/31/14	240037	14.15-
00001	FUELMAN OF MS	BG127044 NP4	00145077	13007363	FUEL CHG 8/4-10/14 POLICE	08/31/14	240037	102.28-
00001	FUELMAN OF MS	BG127044 NP4	00145208	13007420	FUEL CERT CONF STARKVILLE	08/31/14	240037	36.67-
00001	FUELMAN OF MS	BG127044 NP4	00145303	13007446	FUEL CHG 7/28,7/31 FED PROG	08/31/14	240037	66.22-
00001	FUELMAN OF MS	BG127044 NP4	00145394	13007578	FUEL CHGS 8/11-17/14 POLICE	08/31/14	240037	41.31-
FUELMAN OF MS								
Sum								260.63-
00001	G & K SERVICES	1035509077	00145049	13007307	UNIFORMS 7/08 TRAFFIC	08/31/14	240045	37.11-
00001	G & K SERVICES	1035511252	00145049	13007308	UNIFORMS 7/15 TRAFFIC	08/31/14	240045	103.26-
00001	G & K SERVICES	1035513467	00145049	13007309	UNIFORMS 7/22 TRAFFIC	08/31/14	240045	32.95-
00001	G & K SERVICES	1035515644	00145049	13007310	UNIFORMS 7/29 TRAFFIC	08/31/14	240045	127.36-
00001	G & K SERVICES	1035509078	00145049	13007311	UNIFORMS 7/08 CONSTR	08/31/14	240045	150.99-
00001	G & K SERVICES	1035511253	00145049	13007312	UNIFORMS 7/15 CONSTR	08/31/14	240045	100.46-
00001	G & K SERVICES	1035113468	00145049	13007313	UNIFORMS 7/22 CONSTR	08/31/14	240045	67.40-
00001	G & K SERVICES	1035515645	00145049	13007314	UNIFORMS 7/29 CONSTR	08/31/14	240045	51.24-
00001	G & K SERVICES	1035509079	00145049	13007315	MATS 7/08 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035511254	00145049	13007316	MATS 7/15 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035513469	00145049	13007317	MATS 7/22 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035515646	00145049	13007318	MATS 7/29 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517843	00145241	13007453	UNIFORMS 8/05 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035517860	00145241	13007454	UNIFORMS 8/05 STREET	08/31/14	240045	116.99-
00001	G & K SERVICES	1035517857	00145241	13007455	UNIFORMS 8/05 STREET	08/31/14	240045	54.16-
00001	G & K SERVICES	1035517861	00145241	13007456	UNIFORMS 8/05 GO&FS	08/31/14	240045	53.33-
00001	G & K SERVICES	1035517844	00145241	13007457	UNIFORMS 8/05 CONSTR	08/31/14	240045	49.61-
00001	G & K SERVICES	1035517859	00145241	13007458	UNIFORMS 8/05 SANIT	08/31/14	240045	117.75-
00001	G & K SERVICES	1035517856	00145241	13007459	UNIFORMS 8/05 ST CLEAN	08/31/14	240045	18.28-
00001	G & K SERVICES	1035517858	00145241	13007460	UNIFORMS 8/05 HEALTH	08/31/14	240045	22.54-
00001	G & K SERVICES	1035517864	00145241	13007461	UNIFORMS 8/05 AIRPORT	08/31/14	240045	12.70-
00001	G & K SERVICES	1035520021	00145243	13007462	UNIFORMS 8/12 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035520039	00145243	13007463	UNIFORMS 8/12 STREET	08/31/14	240045	124.82-
00001	G & K SERVICES	1035520035	00145243	13007464	UNIFORMS 8/12 STREET	08/31/14	240045	54.16-
00001	G & K SERVICES	1035520038	00145243	13007465	UNIFORMS 8/12 HEALTH	08/31/14	240045	53.33-
00001	G & K SERVICES	1035520034	00145243	13007466	UNIFORMS 8/12 DRNGE	08/31/14	240045	18.28-
00001	G & K SERVICES	1035520022	00145243	13007467	UNIFORMS 8/12 CONSTR	08/31/14	240045	48.48-
00001	G & K SERVICES	1035520037	00145243	13007468	UNIFORMS 8/12 SANIT	08/31/14	240045	136.64-
00001	G & K SERVICES	1035520036	00145243	13007469	UNIFORMS 8/12 HEALTH	08/31/14	240045	22.54-
00001	G & K SERVICES	1035520042	00145243	13007470	UNIFORMS 8/12 AIRPORT	08/31/14	240045	12.70-
00001	G & K SERVICES	1035522221	00145250	13007471	UNIFORMS 8/19 TRAFFIC	08/31/14	240045	29.98-
00001	G & K SERVICES	1035522235	00145250	13007472	UNIFORMS 8/19 STREET	08/31/14	240045	54.79-
00001	G & K SERVICES	1035522239	00145250	13007473	UNIFORMS 8/19 SHOP	08/31/14	240045	53.12-
00001	G & K SERVICES	1035522234	00145250	13007474	UNIFORMS 8/19 GO&FS	08/31/14	240045	18.24-
00001	G & K SERVICES	1035522238	00145250	13007475	UNIFORMS 8/19 DRNGE	08/31/14	240045	117.77-
00001	G & K SERVICES	1035522222	00145250	13007476	UNIFORMS 8/19 CONSTR	08/31/14	240045	85.38-

00001	G & K SERVICES	1035522237	00145250	13007477	UNIFORMS 8/19 SANIT	08/31/14	240045	144.13-
00001	G & K SERVICES	1035522236	00145250	13007478	UNIFORMS 8/19 HEALTH	08/31/14	240045	22.50-
00001	G & K SERVICES	1035522242	00145250	13007479	UNIFORMS 8/19 AIRPORT	08/31/14	240045	12.66-
00001	G & K SERVICES	1035522240	00145246	13007480	MATS 8/19 GO&FS	08/31/14	240045	16.65-
00001	G & K SERVICES	1035522241	00145246	13007481	MOP/MAT 8/19 GO&FS	08/31/14	240045	21.80-
00001	G & K SERVICES	1035522223	00145246	13007482	MOP/MAT 8/19 GO&FS	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517845	00145240	13007483	MATS 8/05 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035517863	00145240	13007484	MATS 8/05 SANIT	08/31/14	240045	21.80-
00001	G & K SERVICES	1035517862	00145240	13007485	MATS 8/05 SANIT	08/31/14	240045	16.65-
00001	G & K SERVICES	1035520023	00145242	13007486	MATS 8/12 CONSTR	08/31/14	240045	6.40-
00001	G & K SERVICES	1035520041	00145242	13007487	MATS 8/12 SANIT	08/31/14	240045	21.80-
00001	G & K SERVICES	1035520040	00145242	13007488	MATS 8/12 SANIT	08/31/14	240045	16.65-
00001	G & K SERVICES	1035522220	00145464	13007611	UNIFORM/MATS 8/19 ENGR	08/31/14	240045	9.00-
G & KSERVICES								
Sum								2,354.76-
00001	GALL'S INC	002271896	00144720	13007294	CROSSING GUARD TRAFFIC VESTS	08/31/14	240046	236.85-
GALL'SINC								
Sum								236.85-
00001	GARNER LUMLEY ELECTRIC S	503486	00145027	13007497	ELEC SUPP #1 FIRE STA	08/31/14	240047	76.60-
GARNERLUMLEY ELECTRIC S								
Sum								76.60-
00001	GILKEY ELECTRIC SUPPLY C	258984	00145066	13007379	ELEC SUPP CONSTR DEPT	08/31/14	240048	49.08-
00001	GILKEY ELECTRIC SUPPLY C	258450	00144582	13007381	BOX COVERS D/T LIGHTS	08/31/14	240048	420.00-
00001	GILKEY ELECTRIC SUPPLY C	258894	00144994	13007382	ELEC SUPP 4TH ST MED CLINIC	08/31/14	240048	156.00-
00001	GILKEY ELECTRIC SUPPLY C	259017	00145092	13007440	ELEC SUPP #2 FIRE STA	08/31/14	240048	154.28-
GILKEYELECTRIC SUPPLY C								
Sum								779.36-
00001	GILLILANDS ELECTRONICS S	57857	00145172	13007405	SERV CALL CK CAMERAS POLICE	08/31/14	240050	70.00-
00001	GILLILANDS ELECTRONICS S	57874	00144969	13007509	GATE LOCK REPR AIRPORT	08/31/14	240050	975.00-
00001	GILLILANDS ELECTRONICS S	57872	00145268	13007564	VOICEMAIL CHANGE CONSTR DEPT	08/31/14	240050	35.00-
GILLILANDS ELECTRONICS S								
Sum								1,080.00-
00001	GLADDEN LAW OFFICE PLLC	0014	00145340	13007518	SRV LIGHTHOUSE RESCUE MISSION	08/31/14	240051	2,238.75-
00001	GLADDEN LAW OFFICE PLLC	0013	00145340	13007519	SRVS PRECISION CONSTR	08/31/14	240051	3,883.25-
00001	GLADDEN LAW OFFICE PLLC	0016	00145357	13007547	LGL SRVS PRECISION CONSTR	08/31/14	240051	4,048.75-
00001	GLADDEN LAW OFFICE PLLC	0018	00145357	13007548	LGL SRVS PEARSON FIREWORKS	08/31/14	240051	361.25-
00001	GLADDEN LAW OFFICE PLLC	0019	00145357	13007549	LGL SRVS LIGHTHOUSE RESCUE	08/31/14	240051	177.00-
GLADDEN LAW OFFICE PLLC								
Sum								10,709.00-
00001	GMC DISTRIBUTORS (FORMER	465111	00145158	13007404	DRINKING WATER POLICE DEPT	08/31/14	240052	399.15-
GMC DISTRIBUTORS (FORMER								
Sum								399.15-
00001	GULF COAST OFFICE PRODUC	1471435-0	00144773	13007356	COPY PAPER PLANNING DEPT	08/31/14	240056	368.92-
00001	GULF COAST OFFICE PRODUC	1472305-0	00144937	13007529	JANIT SUPP PUBLIC WORKS	08/31/14	240056	457.50-
00001	GULF COAST OFFICE PRODUC	1472305-1	00144937	13007530	JANIT SUPP PUBLIC WORKS	08/31/14	240056	18.22-

GULF COAST OFFICE PRODUC								
Sum								844.64-
00001	H'BURG AMERICAN ACCT #1	H12998 46598	00145373	13007546	PROOFS PUBLICATION MUN CLERK	08/31/14	240057	749.96-
H'BURGAMERICAN ACCT #1								
Sum								749.96-
00001	H'BURG CLINIC PA (ACCT#2	1028000103 2	00145411	13007580	PSY EXAMS LATERALS/RECRUIT	08/31/14	240058	2,096.00-
H'BURGCLINIC PA (ACCT#2								
Sum								2,096.00-
00001	H'BURG COCA COLA BOTTLIN	56402060158	00145269	13007570	WATER/POWERADE MAYOR'S OFFICE	08/31/14	240059	152.25-
H'BURGCOCA COLA BOTTLIN								
Sum								152.25-
00001	H'BURG HYDRAULICS INC	56677	00145075	13007429	REPR PTS U#8629 STREET	08/31/14	240061	299.73-
00001	H'BURG HYDRAULICS INC	56678	00145075	13007430	REPR PTS U#8629 STREET	08/31/14	240061	280.49-
H'BURGHYDRAULICS INC								
Sum								580.22-
00001	HALL, LAKESHIA	TRAV ADVANCE	00145212	13007423	TRAV ADV MACE CONF GULFPORT	08/31/14	240062	82.00-
HALL,LAKESHIA								
Sum								82.00-
00001	HALLS WELDING SERVICE	28913	00143322	13007343	REPAIR BOOM ON SELF LOADER	08/31/14	240063	977.53-
HALLSWELDING SERVICE								
Sum								977.53-
00001	HANCOCK BANK TRUST & FIN	8/21/14 DUE	02014742	13007353	MDB 2001 BONDS 12/22/08	08/21/14	19070	2,088.77-
HANCOCK BANK TRUST & FIN								
Sum								2,088.77-
00001	HILL, LEROY COFFEE CO IN	18030	00145276	13007443	COFFEE SERV M/AMD	08/31/14	240066	16.61-
00001	HILL, LEROY COFFEE CO IN	17860	00145438	13007586	COFFEE SERV MAYOR'S OFFICE	08/31/14	240066	11.10-
HILL,LEROY COFFEE CO IN								
Sum								27.71-
00001	HOME DEPOT	3973333	00144436	13007500	REPR PTS U#9804 SHOP	08/31/14	240067	119.95-
00001	HOME DEPOT	9973426	00144561	13007507	HOSE/NOZZLES AIRPORT MAINT	08/31/14	240067	137.87-
00001	HOME DEPOT	2973585	00144717	13007510	TREE PRUNER FORESTRY CREW	08/31/14	240067	34.97-
HOME DEPOT								
Sum								292.79-
00001	INDOFF INC	2498827	00144881	13007335	OFFICE SUPP FIRE ADM	08/31/14	240068	188.85-
00001	INDOFF INC	2496394A	00144707	13007358	OFFICE SUPP FED/STATE PROG	08/31/14	240068	103.15-
00001	INDOFF INC	2498800	00144707	13007359	OFFICE SUPP FED/STATE PROG	08/31/14	240068	14.29-
INDOFFINC								
Sum								306.29-
00001	INTERFACE SECURITY SYSTE	17559981	00145226	13007437	SECURITY 9/14 HILND CEMETERY	08/31/14	240069	33.02-
00001	INTERFACE SECURITY SYSTE	17562883	00145226	13007438	SECURITY 9/14 SOUTH HILL CEM	08/31/14	240069	29.95-

INTERFACE SECURITY SYSTE								
Sum								62.97-
00001	INTL CODE COUNCIL (BOOKS	100231743	00145209	13007419	2012 LGL ASPECTS OF CODE ADM	08/31/14	240071	290.00-
INTL CODE COUNCIL (BOOKS								
Sum								290.00-
00001	IRBY, STUART C CO	S008478898.0	00144766	13007298	HVAC SUPP CONSTR DEPT	08/31/14	240072	297.66-
IRBY,STUART C CO								
Sum								297.66-
00001	JACKSON COMMUNICATIONS	SI3779	00144856	13007568	RADIO BATTERIES FIRE DEPT	08/31/14	240073	485.00-
JACKSON COMMUNICATIONS								
Sum								485.00-
00001	JOHNNY'S WRECKER SERVICE	23315	00145082	13007442	TOWING U#17723 SANIT	08/31/14	240075	350.00-
JOHNNY'S WRECKER SERVICE								
Sum								350.00-
00001	JONES-RUSSELL, CAROL L	SERVS 9/13-8	00145342	13007513	LGL SRVS 9/13-8/14 MUN COURT	08/31/14	240076	4,450.00-
JONES-RUSSELL, CAROL L								
Sum								4,450.00-
00001	JONES, MARTIN	638223	00143954	13007544	LOT CLEARING 6 PROPERTIES	08/31/14	240078	785.00-
JONES,MARTIN								
Sum								785.00-
00001	JWH EQUIPMENT, LLC	IJ07497	00144749	13007339	REPR PTS U#13204 STREET	08/31/14	240079	139.48-
JWH EQUIPMENT, LLC								
Sum								139.48-
00001	KIDD, TYWAN	TRAV ADVANCE	00145204	13007424	TRAV ADV MACE CONF GULFPORT	08/31/14	240082	174.96-
KIDD,TYWAN								
Sum								174.96-
00001	KUTCHINS & GROH LLC	2254	00145465	13007613	SRVS REHAB RUNWAY 13-31	08/31/14	240083	2,750.00-
KUTCHINS & GROH LLC								
Sum								2,750.00-
00001	M T S SAFETY PRODUCTS IN	4697600	00144584	13007324	SUPP CITIZENS CORP GRANT	08/31/14	240092	795.21-
M T SSAFETY PRODUCTS IN								
Sum								795.21-
00001	MARVIN'S INC	15392668-418	00145176	13007499	BAGGED CEMENT PUBLIC WORKS	08/31/14	240094	755.30-
00001	MARVIN'S INC	15391307-418	00144765	13007503	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	189.34-
00001	MARVIN'S INC	15391016-418	00144910	13007504	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	292.24-
00001	MARVIN'S INC	15391263-418	00144977	13007505	BLDG SUPP 4TH ST MED CLINIC	08/31/14	240094	45.99-
MARVIN'S INC								
Sum								1,282.87-
00001	MCCAIN UNIFORMS	295161-1	00144740	13007415	TROUSERS LATERAL OFFICERS	08/31/14	240097	750.00-
00001	MCCAIN UNIFORMS	291902-1	00145107	13007526	UNIFORM COAT FIRE CHIEF	08/31/14	240097	248.00-
00001	MCCAIN UNIFORMS	290343-1	00143518	13007587	UNIFORM TROUSERS HOLMES	08/31/14	240097	225.00-

00001	MCCAIN UNIFORMS	292077-1	00143518	13007588	MTRCYCLE BOOTS SGT BROWN	08/31/14	240097	692.00-
MCCAINUNIFORMS								
Sum								1,915.00-
00001	MCELHANEY PLUMBING INC	222984	00145095	13007408	PLUMB SUPP CONSTR DEPT	08/31/14	240098	35.34-
00001	MCELHANEY PLUMBING INC	223097	00145270	13007492	SINK FAUCET MAYOR'S OFFICE	08/31/14	240098	49.95-
MCELHANEY PLUMBING INC								
Sum								85.29-
00001	MCKINLEY, ALLEN	TRAV ADVANCE	00145251	13007449	TRAV ADV MACE CONF GULFPPORT	08/31/14	240100	378.16-
MCKINLEY, ALLEN								
Sum								378.16-
00001	MCMULLAN EQUIPMENT CO	155185P	00144247	13007366	REPR PTS U#17742 POLICE	08/31/14	240101	67.50-
MCMULLAN EQUIPMENT CO								
Sum								67.50-
00001	MEDICAL ANALYSIS-GHV	#2	00145344	13007521	SRVS EMP WELLNESS CLINIC	08/31/14	240103	29,000.00-
MEDICAL ANALYSIS-GHV								
Sum								29,000.00-
00001	MID SOUTH GLASS INC	0040542	00145398	13007602	MIRRORS 4TH ST MED CLINIC	08/31/14	240104	250.00-
MID SOUTH GLASS INC								
Sum								250.00-
00001	MID SOUTH UNIFORM & SUPP	518586	00144461	13007364	BLACK T SHIRTS STOCK	08/31/14	240105	48.75-
00001	MID SOUTH UNIFORM & SUPP	518719	00143517	13007402	BOOTS DILLARD/HOLMES POLICE	08/31/14	240105	180.00-
00001	MID SOUTH UNIFORM & SUPP	518718	00144250	13007439	BOOTS-PROULX-POLICE DEPT	08/31/14	240105	84.00-
00001	MID SOUTH UNIFORM & SUPP	518924	00144569	13007572	NAME TAGS DANIELS/MCGINTY	08/31/14	240105	42.45-
00001	MID SOUTH UNIFORM & SUPP	518920	00144873	13007573	NAME PLATE JOSHUA SHAVERS	08/31/14	240105	28.07-
00001	MID SOUTH UNIFORM & SUPP	519001	00144924	13007574	JACKETS LATERAL OFFICERS	08/31/14	240105	920.00-
MID SOUTH UNIFORM & SUPP								
Sum								1,303.27-
00001	MIKELL, BURKETT	TRAV ADVANCE	00145210	13007425	TRAV ADV MACE CONF GULFPORT	08/31/14	240107	174.96-
MIKELL, BURKETT								
Sum								174.96-
00001	MINGLEDORFF'S INC	5435104-00	00145026	13007374	BLDG MATLS #1 FIRE STA	08/31/14	240108	67.62-
MINGLEDORFF'S INC								
Sum								67.62-
00001	MISSISSIPPI AG COMPANY,	W80937	00144929	13007607	REPRS U#9248 STREET	08/31/14	240109	1,203.88-
00001	MISSISSIPPI AG COMPANY,	W81035	00144929	13007609	CREDIT	08/31/14	240109	78.77
MISSISSIPPI AG COMPANY,								
Sum								1,125.11-
00001	MOMAR INC	A84249	00144917	13007403	CAR CLEAN SUPP POLICE DEPT	08/31/14	240110	538.90-
MOMARINC								
Sum								538.90-
00001	MOTOR VEHICLE INSPECTION	1845 8/27/14	00145442	13007605	INSPECTION STA RNWL FEE	08/31/14	240113	10.00-

MOTORVEHICLE INSPECTION								
Sum								10.00-
00001	MS ASSN FOR SPATIAL TECH	MBRSHP GOPAL	00145119	13007493	MBRSHP FEE GOPALAN/YAWN	08/31/14	240115	100.00-
MS ASSN FOR SPATIAL TECH								
Sum								100.00-
00001	MS ASSN OF CODE ENFORCEM	MBRSHP MCKIN	00145245	13007448	ANNUAL MBRSHP FEE MCKINLEY	08/31/14	240116	25.00-
00001	MS ASSN OF CODE ENFORCEM	REG MCKINLEY	00145252	13007450	REG MCKINLEY CONF GULFPORT	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE DAWS	00145314	13007555	REG FEE DAWSON CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE FROS	00145314	13007556	REG FEE FROST CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE HALL	00145314	13007557	REG FEE HALL CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE KIDD	00145314	13007558	REG FEE KIDD CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE MIKE	00145314	13007559	REG FEE MIKELL CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	REG FEE QUIN	00145314	13007560	REG FEE QUINN CONF 10/16-17	08/31/14	240116	50.00-
00001	MS ASSN OF CODE ENFORCEM	MBRSHP HALL	00145314	13007561	NEW MBRSHP FEE HALL	08/31/14	240116	25.00-
MS ASSN OF CODE ENFORCEM								
Sum								400.00-
00001	MS GRASS NURSERY	25809	00144255	13007303	GRASS SOD CEMETERY	08/31/14	240117	100.00-
00001	MS GRASS NURSERY	25938	00144255	13007304	GRASS SOD CEMETERY	08/31/14	240117	100.00-
MS GRASS NURSERY								
Sum								200.00-
00001	MS MUNICIPAL LEAGUE	PO#145122 8/	00145122	13007355	MML CITY DIRECTORY M/ADM	08/31/14	240118	50.00-
00001	MS MUNICIPAL LEAGUE	20868	00145189	13007412	2014 YOUTH TRACK 6/24	08/31/14	240118	90.00-
MS MUNICIPAL LEAGUE								
Sum								140.00-
00001	MS POWER COMPANY	8/14 GENERAL	00201422	13007541	MNTHLY ELEC-GENERAL	08/31/14	240119	117,777.34-
MS POWER COMPANY								
Sum								117,777.34-
00001	MS STATE DEVELOPMENT AUT	GRANT #R-103	02014724	13007352	HCL LEVERAGE LENDER LLC	08/21/14	19066	10,117.67-
MS STATE DEVELOPMENT AUT								
Sum								10,117.67-
00001	MS STATE/SECRETARY OF ST	NOTARY RNWL	00145388	13007577	NOTARY RNWL HARTFIELD M/ADM	08/31/14	240121	25.00-
MS STATE/SECRETARY OF ST								
Sum								25.00-
00001	MS STATE/TAX COMM/UNDERC	PO#145120 8/	00145120	13007367	TAGS/DECALS UNDERCOVER UNITS	08/31/14	240122	290.25-
00001	MS STATE/TAX COMM/UNDERC	PO#145408 8/	00145408	13007579	TAG RNWL U#16501 UNDERCOVER	08/31/14	240123	16.00-
MS STATE/TAX COMM/UNDERC								
Sum								306.25-
00001	MYERS. TAMECIA	PO#145170 4/	00145170	13007395	MISS MS PAGEANT AD REIMB	08/31/14	240125	100.00-
MYERS.TAMECIA								
Sum								100.00-
00001	NAPA AUTO PARTS	513027	00145166	13007371	REPR PTS U#14145 FIRE DEPT	08/31/14	240126	127.27-
00001	NAPA AUTO PARTS	512978	00145142	13007373	AIR COMPRESSOR REPR PTS FIRE	08/31/14	240126	46.11-

00001	NAPA AUTO PARTS	513001	00145157	13007418	ANTIFREEZE POLICE STOCK	08/31/14	240126	270.00-
00001	NAPA AUTO PARTS	513070	00145197	13007441	REPR FIRE SIMULATOR COMPRESSR	08/31/14	240126	78.40-
NAPA AUTO PARTS								
Sum								521.78-
00001	NEBLETTS FRAME OUTLET (R	PRIVILEGE TA	02014731	13007389	PRIVILEGE TAX REFUND	08/31/14	240127	2.00-
NEBLETTS FRAME OUTLET (R								
Sum								2.00-
00001	NEEL-SCHAFFER INC	1020050	00145261	13007451	SRV 7/14 ADA TRANSITION PLAN	08/31/14	240128	1,136.08-
00001	NEEL-SCHAFFER INC	1019810-1020	00145262	13007452	SRV 6/1-7/31/13 STORMWTR 2014	08/31/14	240128	15,693.45-
NEEL-SCHAFFER INC								
Sum								16,829.53-
00001	NEWELL PAPER COMPANY	820360	00144826	13007362	JANIT SUPP POLICE DEPT	08/31/14	240130	701.94-
00001	NEWELL PAPER COMPANY	820876	00145061	13007406	JANIT SUPP TRAFFIC/CONSTR	08/31/14	240130	280.81-
00001	NEWELL PAPER COMPANY	820985	00145114	13007414	TRASH BAGS POLICE DEPT	08/31/14	240130	81.68-
00001	NEWELL PAPER COMPANY	820361	00144866	13007523	AIR FRESHENERS POLICE DEPT	08/31/14	240130	434.50-
NEWELLPAPER COMPANY								
Sum								1,498.93-
00001	NORTHERN SAFETY & INDUST	901037962	00145047	13007369	SAFET GLASSES/EAR PLUGS ACDMY	08/31/14	240132	271.52-
NORTHERN SAFETY & INDUST								
Sum								271.52-
00001	OFFICE DEPOT INC	709335736001	00144778	13007323	UTILITY CART COLEMAN PLANNING	08/31/14	240133	154.99-
00001	OFFICE DEPOT INC	1704333181	00144843	13007327	OFFICE/COMPUTER SUPP POLICE	08/31/14	240133	822.52-
00001	OFFICE DEPOT INC	1702880851	00144706	13007491	COMPUTER SUPP INFO TECH	08/31/14	240133	246.46-
00001	OFFICE DEPOT INC	1708003353	00145090	13007571	OFFICE SUPP FOR BUDGET BOOKS	08/31/14	240133	81.30-
OFFICEDEPOT INC								
Sum								1,305.27-
00001	OVERHEAD DOOR CO OF HBUR	67602	00145034	13007336	BAY DOOR REPR #8 FIRE STA	08/31/14	240134	308.00-
OVERHEAD DOOR CO OF HBUR								
Sum								308.00-
00001	OWENS BUSINESS MACHINES	PO#145085 8/	00145085	13007368	COPIER 8/14-7/15 POLICE	08/31/14	240135	690.00-
OWENSBUSINESS MACHINES								
Sum								690.00-
00001	PAPS	PO#144838 8/	00144838	13007334	TRAUMA BAG P/F ACADEMY	08/31/14	240136	375.00-
PAPS								
Sum								375.00-
00001	PEARL RIVER VALLEY EPA (	8/14 GENERAL	00201422	13007540	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240137	1,345.77-
PEARLRIVER VALLEY EPA (								
Sum								1,345.77-
00001	PINE BELT OIL COMPANY IN	1020972	00145087	13007390	WEEKLY GAS PUBLIC WORKS	08/31/14	240139	17,524.79-
00001	PINE BELT OIL COMPANY IN	1021079	00145087	13007391	WEEKLY DIESEL PUBLIC WORKS	08/31/14	240139	13,723.50-
00001	PINE BELT OIL COMPANY IN	1022619	00145348	13007585	WEEKLY GAS/DIESEL PUB WORKS	08/31/14	240139	23,824.40-

PINE BELT OIL COMPANY IN								
Sum								55,072.69-
00001	PRESLEY, PAUL E	TRAVEL REIMB	00145117	13007376	EXPNS PICK UP NEW TRUCK JKSN	08/31/14	240141	50.00-
PRESLEY, PAUL E								
Sum								50.00-
00001	PYLE, MILLS & DYE PA	1292-0007M #	00145475	13007610	LGL SRVS FAIRLEY VS CITY	08/31/14	240142	13,393.81-
PYLE,MILLS & DYE PA								
Sum								13,393.81-
00001	QUINN, WILEY	TRAV ADVANCE	00145202	13007426	TRAV ADV MACE CONF GULFPORT	08/31/14	240143	308.92-
QUINN,WILEY								
Sum								308.92-
00001	RHYTHM HERITAGE FOUNDATI	SPONSORSHIP	00145339	13007520	SPONSORSHIP MOBILE ST FESTIVL	08/31/14	240145	8,000.00-
RHYTHMHERITAGE FOUNDATI								
Sum								8,000.00-
00001	RJ YOUNG COMPANY	INV380441	00145337	13007516	COPIER OVERAGE 5/13-5/14 HR	08/31/14	240146	898.31-
RJ YOUNG COMPANY								
Sum								898.31-
00001	ROGERS, KEVIN & ASSOCIAT	OPINIONS	00145353	13007554	8 TITLE OPINIONS	08/31/14	240148	2,000.00-
ROGERS, KEVIN & ASSOCIAT								
Sum								2,000.00-
00001	SACKS OUTDOOR SUPPLY	18324	00144996	13007372	RESCUE CHAIN STORAGE CANS	08/31/14	240149	179.94-
SACKSOUTDOOR SUPPLY								
Sum								179.94-
00001	SERVPRO OF HATTIESBURG	4062863	00145194	13007413	CLEAN COUNCIL ROOM CARPET	08/31/14	240151	694.12-
SERVPRO OF HATTIESBURG								
Sum								694.12-
00001	SHOEMAKE, SHANNON	PETTY CASH 8	00145358	13007562	PETTY CASH TRAFFIC/CONSTR	08/31/14	240153	173.91-
SHOEMAKE, SHANNON								
Sum								173.91-
00001	SOLAR SUPPLY INC	3458753	00144953	13007299	INFARED THERMOMETER CONSTR	08/31/14	240156	74.17-
00001	SOLAR SUPPLY INC	3458511	00144767	13007596	HVAC SUPP CONSTR DEPT	08/31/14	240156	113.90-
SOLARSUPPLY INC								
Sum								188.07-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 7/18	02014725	13007305	POLICE FINES COLL.FEE	08/31/14	240157	1,512.48-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT 7/17-	02014726	13007306	POLICE FINES COLL.FEE	08/31/14	240157	157.40-
SOUTHERN FINANCIAL SYSTE								
Sum								1,669.88-
00001	SOUTHERN PINE ELECTRIC P	8/14 GENERAL	00201422	13007512	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240158	63.27-
SOUTHERN PINE ELECTRIC P								
Sum								63.27-

00001	SOUTHERN PINES ANIMAL SH	9/14	00145050	13007345	HANDLING,HOUSING 9/14	08/31/14	240159	9,979.83-
SOUTHERN PINES ANIMAL SH								
Sum								9,979.83-
00001	SOUTHERN TIRE MART LLC	11090979	00144752	13007341	TIRES SANIT STOCK	08/31/14	240160	590.00-
00001	SOUTHERN TIRE MART LLC	11090762	00144975	13007593	REPR PTS U#7871 STREET	08/31/14	240160	196.00-
SOUTHERN TIRE MART LLC								
Sum								786.00-
00001	SOUTHGROUP (GALEY)	HATTIES-03	00145374	13007550	GENERAL LIABILITY INS RNWL	08/31/14	240161	1,780.35-
00001	SOUTHGROUP (GALEY)	HATTIES-02 1	00145377	13007551	BLANKET BOND MONEY HANDLERS	08/31/14	240161	9,275.00-
SOUTHGROUP (GALEY)								
Sum								11,055.35-
00001	STANDARD OFFICE SUPPLY C	0046263-001	00144960	13007291	COPY PAPER HUMAN RES	08/31/14	240163	335.92-
00001	STANDARD OFFICE SUPPLY C	0046208-001	00144875	13007321	OFFICE CHAIR M/ADM	08/31/14	240163	179.00-
00001	STANDARD OFFICE SUPPLY C	0045386-001	00144071	13007322	OFFICE SUPP CITY CLERK	08/31/14	240163	43.29-
00001	STANDARD OFFICE SUPPLY C	0046296-001	00144958	13007325	CARDSTOCK SUPP INFO TECH	08/31/14	240163	24.00-
00001	STANDARD OFFICE SUPPLY C	0046298-001	00145005	13007326	CARDSTOCK SUPP INFO TECH	08/31/14	240163	24.00-
00001	STANDARD OFFICE SUPPLY C	0046137-001	00144800	13007328	OFFICE SUPP COMM CONVERSATION	08/31/14	240163	60.45-
00001	STANDARD OFFICE SUPPLY C	0046304-001	00144904	13007360	DOOR NAME PLATES RECORDS DIV	08/31/14	240163	71.60-
00001	STANDARD OFFICE SUPPLY C	0046283-001	00145002	13007361	OIL FOR SHREDDER	08/31/14	240163	106.20-
00001	STANDARD OFFICE SUPPLY C	0046621-001	00145220	13007489	SHREDDER REPR MUN COURT	08/31/14	240163	75.00-
00001	STANDARD OFFICE SUPPLY C	0046357-001	00145051	13007490	CARDSTOCK INFO TECH DEPT	08/31/14	240163	120.00-
STANDARD OFFICE SUPPLY C								
Sum								1,039.46-
00001	STATE FIRE ACADEMY	22214	00145443	13007604	REG COLLINS/FIELDER/SAUCIER	08/31/14	240164	1,035.00-
STATEFIRE ACADEMY								
Sum								1,035.00-
00001	STEWART'S CAMERA CENTER	7704	00145073	13007590	CAMERAS FOR TRAINING	08/31/14	240165	1,999.98-
00001	STEWART'S CAMERA CENTER	7633	00145384	13007603	CAMERA SD CARDS P/F ACADEMY	08/31/14	240165	79.90-
STEWART'S CAMERA CENTER								
Sum								2,079.88-
00001	SUNBELT FANS & LIGHTING	156090	00145006	13007346	OUTDOOR FANS AIRPT TERMINALS	08/31/14	240167	242.97-
SUNBELT FANS & LIGHTING								
Sum								242.97-
00001	TRI-TECH INC	108542	00144841	13007295	GUN BOXES EVIDENCE COLLECTION	08/31/14	240170	160.79-
TRI-TECH INC								
Sum								160.79-
00001	UNDERWOOD'S SMALL ENGINE	PO#143696 6/	00143696	13007496	MOWER REPR P/F ACADEMY	08/31/14	240171	310.25-
UNDERWOOD'S SMALL ENGINE								
Sum								310.25-
00001	UNIVERSITY TIRE & SERVIC	454531	00144927	13007431	TIRES U#18555 STREET	08/31/14	240173	913.60-
00001	UNIVERSITY TIRE & SERVIC	454922	00145074	13007436	TIRES U#14064 AIRPORT	08/31/14	240173	292.64-
00001	UNIVERSITY TIRE & SERVIC	454513	00144839	13007528	OIL CHG/LUBE U#19116 LD CODE	08/31/14	240173	30.95-

UNIVERSITY TIRE & SERVIC								
Sum								1,237.19-
00001	WAL-MART STORES INC	005534	00144059	13007535	NNO KICKOFF SCHOOL SUPPLIES	08/31/14	240176	1,020.80-
00001	WAL-MART STORES INC	000279	00144501	13007536	NATL NIGHT OUT SUPPLIES	08/31/14	240176	142.04-
00001	WAL-MART STORES INC	009081	00144681	13007537	DRINKS NNO LUNCH/LEARN W/HPD	08/31/14	240176	56.56-
00001	WAL-MART STORES INC	007021	00144786	13007538	WTR/DRINKS COMM CONVERSATION	08/31/14	240176	60.86-
00001	WAL-MART STORES INC	009924	00144677	13007539	BAKING SODA FOR ACID SPILL	08/31/14	240176	41.00-
WAL-MART STORES INC								
Sum								1,321.26-
00001	WALKER, TARA (REFUNDS)	DAMAGE DEP R	02014749	13007567	DAMAGE DEPOSIT REFUND	08/31/14	240178	300.00-
WALKER, TARA (REFUNDS)								
Sum								300.00-
00001	WANSLEY'S MACHINE & DRIV	34380	00144671	13007410	REPRS U#16724 AIRPORT TRACTOR	08/31/14	240179	240.57-
WANSLEY'S MACHINE & DRIV								
Sum								240.57-
00001	WARREN PAVING INC	17471MB	00145017	13007511	CRUSHED CONCRETE CEMETERY	08/31/14	240181	923.72-
WARRENPAVING INC								
Sum								923.72-
00001	WATERS INTERNATIONAL TRU	8-242300021	00145079	13007383	REPR PTS SANIT STOCK	08/31/14	240183	483.48-
00001	WATERS INTERNATIONAL TRU	8-242310069	00145126	13007435	REPR PTS U#14408 SANIT	08/31/14	240183	1,793.25-
00001	WATERS INTERNATIONAL TRU	8-242340054	00145281	13007598	REPR PTS U#17726 SANIT	08/31/14	240183	211.48-
WATERSINTERNATIONAL TRU								
Sum								2,488.21-
00001	WATTS BROTHERS TRACTOR C	158377	00145168	13007508	BOLTS FOR AIRPORT TRACTORS	08/31/14	240184	31.87-
WATTSBROTHERS TRACTOR C								
Sum								31.87-
00001	WILLMUT GAS & OIL COMPAN	8/14 GENERAL	00201422	13007545	MNTHLY GAS-GENERAL	08/31/14	240187	123.58-
WILLMUT GAS & OIL COMPAN								
Sum								123.58-
00001	WORKWELL SERVICES (NEW V	16120	00145162	13007401	PRE-EMP/ACCIDENT SCREENS 8/14	08/31/14	240188	800.00-
WORKWELL SERVICES (NEW V								
Sum								800.00-
00001	YAWN, JOSEPH	TRAVEL RIMB	00145118	13007357	EXPNS ESRA CONF CALIFORNIA	08/31/14	240189	69.36-
YAWN,JOSEPH								
Sum								69.36-
00001	1ST SOURCE SERVALL	HE8401059	00145011	13007292	A/C REPR PTS MAYOR'S OFFICE	08/31/14	240190	994.08-
00001	1ST SOURCE SERVALL	HE8401208	00145016	13007400	A/C REP PTS MAYOR'S OFFICE	08/31/14	240190	109.20-
1ST SOURCE SERVALL								
Sum								1,103.28-
Sum								1,535,941.92-

CITY OF HATTIESBURG - PARKS& RECREATION FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS& RECREATION FUND								
00002	A & R FARM AND GARDEN	244946	00144967	13002041	HERBICIDE GRNDS MAINT	08/31/14	239951	150.00-
00002	A & R FARM AND GARDEN	244997	00145018	13002043	PAPER STICKS GRNDS MAINT	08/31/14	239951	350.00-
00002	A & R FARM AND GARDEN	246468	00145327	13002090	SPRAYER REPR PTS	08/31/14	239951	29.00-
A & RFARM AND GARDEN								
Sum								529.00-
00002	ADAMS NURSERY	095919	00145148	13002073	FERNS FOR CITY WIDE USE	08/31/14	239953	65.70-
ADAMSNURSERY								
Sum								65.70-
00002	ADCOCK POOLS AND SPA	73678	00145064	13002066	CHEMICALS MCNAIR CNTR POOL	08/31/14	239954	991.87-
ADCOCKPOOLS AND SPA								
Sum								991.87-
00002	AGRI-AFC LLC	5066888	00144283	13002042	FERT/GRASS SEED TOWN PARK	08/31/14	239958	287.04-
00002	AGRI-AFC LLC	5069961	00145317	13002077	ARMY WORM TRTMT TOWN SQ PARK	08/31/14	239958	128.00-
AGRI-AFC LLC								
Sum								415.04-
00002	BASS CLEANERS	13816 PO#144	00144900	13002078	CLEAN TABLECLOTHS	08/31/14	239972	120.00-
BASS CLEANERS								
Sum								120.00-
00002	BETTS, SHERMAN	SPORTS SERVS	02014748	13002084	SPORTS SUPPORT SERVICES	08/31/14	239975	306.00-
BETTS,SHERMAN								
Sum								306.00-
00002	BRACKMAN MOWER WAREHOUSE	0133113	00144961	13002047	WEEDEATER REPR PTS	08/31/14	239980	214.25-
00002	BRACKMAN MOWER WAREHOUSE	0133364	00145097	13002063	TIRE REPR GRNDS MAINT	08/31/14	239980	109.99-
00002		0133369	00145100	13002064	REPRS U#19653 MOWER	08/31/14	239980	74.00-
BRACKMAN MOWER WAREHOUSE								
Sum								398.24-
00002	BRADLEY, MARQUITA	SPORTS SERVS	02014748	13002085	SPORTS SUPPORT SERVICES	08/31/14	239981	224.00-
BRADLEY, MARQUITA								
Sum								224.00-
00002	BROWN, TIRON	SPORTS SERVS	02014748	13002083	SPORTS SUPPORT SERVICES	08/31/14	239983	406.00-
BROWN,TIRON								
Sum								406.00-
00002	BURKETT RADIATOR SHOP	PO#144993 8/	00144993	13002048	REPRS U#16978 MOWER	08/31/14	239987	277.00-
BURKETT RADIATOR SHOP								
Sum								277.00-

00002	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13002080	CELL SERV 7/14 PARKS & REC	08/31/14	239990	377.51-
C SPIRE WIRELESS (CELLUL								
Sum								377.51-
00002	CAMERON ELECTRIC MOTOR C	29150	00145180	13002071	MOTOR REPR VETERANS PK POOL	08/31/14	239991	94.61-
CAMERON ELECTRIC MOTOR C								
Sum								94.61-
00002	CARQUEST AUTO PARTS STOR	14758-32622	00144825	13002045	REPR PTS U#8667 GRNDS MAINT	08/31/14	239995	430.05-
00002		14758-32571	00144835	13002046	REPR PTS U#9167 GRNDS MAINT	08/31/14	239995	430.05-
00002	CARQUEST AUTO PARTS STOR	14758-32725	00144825	13002050	CREDIT	08/31/14	239995	86.48
00002	CARQUEST AUTO PARTS STOR	14758-32726	00144835	13002051	CREDIT	08/31/14	239995	86.48
00002	CARQUEST AUTO PARTS STOR	14758-33331	00145165	13002075	BRAKE PTS U#14143 REC ADM	08/31/14	239995	174.16-
CARQUEST AUTO PARTS STOR								
Sum								861.30-
00002	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13002053	TRF 2ND 8/14 PAYROLL	08/20/14	310129	58,162.52-
CITY OF HATTIESBURG FUND								
Sum								58,162.52-
00002	CLEMTS HARDWARE	110156	00144971	13002055	RATCHED DIE DOWNS/GAS JUGS	08/31/14	239996	195.92-
CLEMTSHARDWARE								
Sum								195.92-
00002	DOLEAC ELECTRIC CO INC	H15561A	00143855	13002057	FLD POLE REPR CAMERON FIELD	08/31/14	240015	500.00-
00002		H16006A	00144193	13002058	REPR FLD LIGHTS CAMERON FIELD	08/31/14	240015	650.00-
00002	DOLEAC ELECTRIC CO INC	H15561B	00145096	13002059	ADDL AMT DUE PO#143855	08/31/14	240015	809.66-
00002	DOLEAC ELECTRIC CO INC	H16006B	00145096	13002060	ADDL AMT DUE PO#144193	08/31/14	240015	203.40-
DOLEACELECTRIC CO INC								
Sum								2,163.06-
00002	ELKINS WHOLESALE INC	217243-00	00144968	13002040	JANIT SUPP GRNDS MAINT	08/31/14	240023	50.49-
00002	ELKINS WHOLESALE INC	217721-00	00145113	13002068	WORK GLOVES VOLUNTEERS	08/31/14	240023	69.93-
00002	ELKINS WHOLESALE INC	217945-00	00145113	13002069	WORK GLOVES VOLUNTEERS	08/31/14	240023	59.94-
ELKINSWHOLESALE INC								
Sum								180.36-
00002	FUELMAN OF MS	BG127044 NP4	00145369	13002089	FUEL CHG 8/4/14 TERRELL REC	08/31/14	240037	55.55-
FUELMAN OF MS								
Sum								55.55-
00002	G & K SERVICES	1035517847	00145390	13002098	MATS 8/05 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035520025	00145390	13002099	MATS 8/12 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035522225	00145390	13002100	MATS 8/19 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035524399	00145390	13002101	MATS 8/26 GRNDS MAINT	08/31/14	240045	3.40-
00002	G & K SERVICES	1035517846	00145390	13002102	UNIFORMS 8/05 GRNDS MAINT	08/31/14	240045	106.92-
00002		1035520024	00145390	13002103	UNIFORMS 8/12 GRNDS MAINT	08/31/14	240045	108.98-
00002	G & K SERVICES	1035522224	00145390	13002104	UNIFORMS 8/19 GRNDS MAINT	08/31/14	240045	293.40-
00002	G & K SERVICES	1035524398	00145390	13002105	UNIFORMS 8/26 GRNDS MAINT	08/31/14	240045	120.19-
G & KSERVICES								
Sum								643.09-

00002	GARNER LUMLEY ELECTRIC S	503513	00145110	13002074	ELEC SUPP TOWN SQUARE PARK	08/31/14	240047	271.70-
00002	GARNER LUMLEY ELECTRIC S	503844	00145349	13002106	ELEC SUPP WALK TRAILS	08/31/14	240047	250.00-
GARNERLUMLEY ELECTRIC S								
Sum								521.70-
00002	GILKEY ELECTRIC SUPPLY C	259212	00145325	13002095	ELEC SUPP KP TENNIS LIGHTS	08/31/14	240048	317.67-
GILKEYELECTRIC SUPPLY C								
Sum								317.67-
00002	GILLILANDS ELECTRONICS S	60756-00	00144730	13002093	CALL BOX CHECK TATUM PARKS	08/31/14	240050	210.00-
GILLILANDS ELECTRONICS S								
Sum								210.00-
00002	GROVER BROS RESTAURANT &	212062	00144995	13002067	POPCORN POPPER CITY EVENTS	08/31/14	240054	529.00-
GROVERBROS RESTAURANT &								
Sum								529.00-
00002	H'BURG COCA COLA BOTTLIN	56I30333905	00145134	13002088	DRINKS/WTR TOWN SQ MOVIE NITE	08/31/14	240059	213.95-
H'BURGCOCA COLA BOTTLIN								
Sum								213.95-
00002	JET CONSTRUCTION	1933	00144352	13002062	TOPSOIL DUNCAN LAKE	08/31/14	240074	208.00-
JET CONSTRUCTION								
Sum								208.00-
00002	JONES, ANN	PETTY CASH 7	00145439	13002107	PETTY CASH GRNDS MAINT	08/31/14	240077	155.98-
JONES,ANN								
Sum								155.98-
00002	LITTLE DOG CINEMA	1016	00144899	13002072	SERV/LICENSE FEE MOVIE IN PK	08/31/14	240089	885.00-
LITTLEDOG CINEMA								
Sum								885.00-
00002	M & B CONCESSIONS	17532	00145007	13002044	POPCORN CITY EVENTS	08/31/14	240091	178.65-
M & BCONCESSIONS								
Sum								178.65-
00002	MCELHANEY PLUMBING INC	222888	00145020	13002052	PLUMB SUPP TATUM TENNIS	08/31/14	240098	29.95-
00002	MCELHANEY PLUMBING INC	222909	00145032	13002056	PLUMB SUPP TATUM TENNIS RESTR	08/31/14	240098	173.80-
MCELHANEY PLUMBING INC								
Sum								203.75-
00002	MCNAIR, EVELENE	SPORTS SERVS	02014748	13002086	SPORTS SUPPORT SERVICES	08/31/14	240102	340.00-
MCNAIR, EVELENE								
Sum								340.00-
00002	MIKE'S TIRE & WHEEL CO	2176283	00145207	13002091	TIRE/REPR U#18867 MOWER	08/31/14	240106	99.73-
00002		2176266	00145319	13002092	TUBE REPR U#19303 MOWER	08/31/14	240106	29.16-
MIKE'STIRE & WHEEL CO								
Sum								128.89-
00002		17353	00145150	13002094	SHOP LOCK REPR TATUM MAINT	08/31/14	240111	250.00-

MOORE'S LOCK AND KEY LLC								
Sum								250.00-
00002		25969	00145084	13002054	RPLCMNT SOD TOWN SQUARE PARK	08/31/14	240117	450.00-
MS GRASS NURSERY								
Sum								450.00-
00002		8/14 PKS/REC	00201422	13002079	MNTHLY ELEC-PARKS & REC	08/31/14	240119	15,357.53-
MS POWER COMPANY								
Sum								15,357.53-
00002	MS STATE/DEPT OF HEALTH/	15-109421	00145071	13002061	INSPECT AIR TANK GRNDS SHOP	08/31/14	240120	30.00-
MS STATE/DEPT OF HEALTH/								
Sum								30.00-
00002	SHERWIN-WILLIAMS COMPANY	8237-9	00145041	13002081	PAINT SUPP DUNCAN LAKE RESTRM	08/31/14	240152	42.62-
00002		8353-4	00145060	13002082	PAINT SUPP DAHMER PK RESTROOM	08/31/14	240152	36.34-
SHERWIN-WILLIAMS COMPANY								
Sum								78.96-
00002		82127	00145099	13002108	A/C UNIT GRNDS SHOP	08/31/14	240155	1,134.00-
SMITH,JIM SERVICES								
Sum								1,134.00-
00002		19756	00144955	13002049	MOVIE IN PARK YARD SIGNS 8/23	08/31/14	240162	144.00-
SPEEDYPRINTING & SIGNS								
Sum								144.00-
00002		SPORTS SERVS	02014748	13002087	SPORTS SUPPORT SERVICES	08/31/14	240166	391.75-
STOKES, DUSTIN								
Sum								391.75-
00002		00016260	00142777	13002096	FENCE REPR KP CREEK BANK	08/31/14	240172	236.30-
00002	UNITED FENCE COMPANY	00016259	00145044	13002097	REPRS KP PLAYGRND/TOWN SQ PK	08/31/14	240172	485.00-
UNITEDFENCE COMPANY								
Sum								721.30-
00002	UNIVERSITY TIRE & SERVIC	455226	00145164	13002076	TIRES U#9215 REC ADM	08/31/14	240173	305.60-
UNIVERSITY TIRE & SERVIC								
Sum								305.60-
00002	W.A.POWE AQUATICS, LLC	8	00145203	13002070	AQUATIC SERVICE 7/14	08/31/14	240175	5,000.00-
W.A.POWE AQUATICS, LLC								
Sum								5,000.00-
00002	WATER FLOW PRODUCTIONS I	9008	00144675	13002065	TRENCHER TOWN SQUARE PARK	08/31/14	240182	439.12-
WATERFLOW PRODUCTIONS I								
Sum								439.12-
Sum								94,661.62-

CITY OF HATTIESBURG - HATT.MUNICIPAL FIRE PROTECTION
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
HATT.MUNICIPAL FIRE PROTECTION								
00005	MCCAIN UNIFORMS	281148-1	00140655	13000052	UNIFORMS FIRE DEPT	08/31/14	240097	1,025.65-
00005	MCCAIN UNIFORMS	281300-1	00140655	13000053		08/31/14	240097	91.00-
00005	MCCAIN UNIFORMS	282451-1	00140655	13000054	UNIFORMS FIRE DEPT	08/31/14	240097	535.00-
00005		284144-1	00140655	13000055	UNIFORMS FIRE DEPT	08/31/14	240097	447.60-
00005	MCCAIN UNIFORMS	285326-1	00140655	13000056	UNIFORMS FIRE DEPT	08/31/14	240097	91.00-
MCCAINUNIFORMS								
Sum								2,190.25-
00005		13024362	00141367	13000057	RADIO UPGRADES FIRE DEPT	08/31/14	240114	500.00-
00005	MOTOROLA CUSTOMER CONNEC	13024260	00144661	13000058	RADIO U#19835	08/31/14	240114	3,847.00-
MOTOROLA CUSTOMER CONNEC								
Sum								4,347.00-
Sum								6,537.25-

CITY OF HATTIESBURG - PAYROLL FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PAYROLL FUND								
00006	ADVANCED RECOVERY SYSTEM	4935	02014197	13000590	GARNISHMENT	08/27/14	19107	100.00-
ADVANCED RECOVERY SYSTEM								
Sum								100.00-
00006	AUTOMATED COLLECTION SER	5257	02014197	13000589	GARNISHMENT	08/27/14	19106	151.26-
AUTOMATED COLLECTION SER								
Sum								151.26-
00006		4292,6247,28	02014197	13000583	GARNISHMENT	08/27/14	19100	795.55-
BENEFIT PAYMENT CONTROL								
Sum								795.55-
00006		3871	02014198	13000574	CHILD SUPPORT	08/27/14	19091	200.00-
CHILDSUPPORT ENFORCEMEN								
Sum								200.00-
00006		5013	02014197	13000598	GARNISHMENT	08/27/14	19115	338.50-
COLUMBIA FINANCIAL SERVI								
Sum								338.50-
00006	CONVERGENCE RECEIVABLES,	0474	02014197	13000585	GARNISHMENT	08/27/14	19102	230.38-
CONVERGENCE RECEIVABLES,								
Sum								230.38-
00006	CONVILLE & CONVILLE PLLC	5838	02014197	13000581	GARNISHMENT	08/27/14	19098	212.60-
CONVILLE & CONVILLE PLLC								
Sum								212.60-
00006	FAMILY SUPPORT PAYMENT C	9865	02014198	13000578	CHILD SUPPORT	08/27/14	19095	1,302.20-
FAMILYSUPPORT PAYMENT C								
Sum								1,302.20-
00006	FORREST CTY CHANCERY COU	08/2014	02014192	13000562	CHILD SUPPORT	08/25/14	19076	942.00-
FORREST CTY CHANCERY COU								
Sum								942.00-
00006	GAYLE SMITH	4645	02014198	13000579	CHILD SUPPORT	08/27/14	19096	303.38-
GAYLESMITH								
Sum								303.38-
00006	GREAT AMERICAN CASH ADVA	5621	02014197	13000586	GARNISHMENT	08/27/14	19103	203.89-
GREATAMERICAN CASH ADVA								
Sum								203.89-
00006	H F S RECOVERY (GARN)	8863	02014197	13000596	GARNISHMENT	08/27/14	19113	171.76-

H F SRECOVERY (GARN)								
Sum								171.76-
00006	HENLEY, LOTTERHOS & HENL	9998,7601,58	02014197	13000582	GARNISHMENT	08/27/14	19099	1,019.01-
HENLEY, LOTTERHOS & HENL								
Sum								1,019.01-
00006	INTERNAL REVENUE SERVICE	1524	02014187	13000560	GARNISHMENT	08/25/14	19074	112.65-
00006	INTERNAL REVENUE SERVICE	2873	02014187	13000558	GARNISHMENT	08/25/14	19072	100.00-
INTERNAL REVENUE SERVICE								
Sum								212.65-
00006	INTERNAL REVENUE SERVICE	9998	02014187	13000557	GARNISHMENT	08/25/14	19071	50.00-
00006		6062	02014187	13000559	GARNISHMENT	08/25/14	19073	100.00-
00006	INTERNAL REVENUE SERVICE	8908	02014187	13000561	GARNISHMENT	08/25/14	19075	50.00-
INTERNAL REVENUE SERVICE								
Sum								200.00-
00006	JOHN R REEVES PC (CHILD	6467	02014198	13000576	CHILD SUPPORT	08/27/14	19093	150.00-
JOHN RREEVES PC (CHILD								
Sum								150.00-
00006	JOHNSON, JOEL (GARN)	0597	02014197	13000600	GARNISHMENT	08/27/14	19117	187.51-
JOHNSON, JOEL (GARN)								
Sum								187.51-
00006	LAMAR CTY CHANCERY CLERK	0935	02014198	13000573	CHILD SUPPORT	08/27/14	19090	540.00-
LAMARCTY CHANCERY CLERK								
Sum								540.00-
00006	MENDELSON LAW FIRM (GARN	9865	02014197	13000599	GARNISHMENT	08/27/14	19116	198.71-
MENDELSON LAW FIRM (GARN								
Sum								198.71-
00006	NEBRASKA CHILD SUPPORT (	4840	02014198	13000577	CHILD SUPPORT	08/27/14	19094	250.00-
NEBRASKA CHILD SUPPORT (								
Sum								250.00-
00006	NYS CHILD SUPPORT PROCES	8886	02014198	13000575	CHILD SUPPORT	08/27/14	19092	964.00-
NYS CHILD SUPPORT PROCES								
Sum								964.00-
00006	PERFORMANT RECOVERY, INC	6026	02014197	13000591	GARNISHMENT	08/27/14	19108	162.64-
PERFORMANT RECOVERY, INC								
Sum								162.64-
00006		8374	02014197	13000587	GARNISHMENT	08/27/14	19104	458.40-
PERKINS,LAW OFFICES OF F								
Sum								458.40-
00006		8063	02014197	13000597	GARNISHMENT	08/27/14	19114	215.57-

PIONEER CREDIT CO (GARN)								
Sum								215.57-
00006		5994	02014197	13000584	GARNISHMENT	08/27/14	19101	329.38-
REPUBLIC FINANCE INC (G								
Sum								329.38-
00006	REVENUE RECOVERY CORPORA	0253	02014197	13000592	GARNISHMENT	08/27/14	19109	149.65-
REVENUE RECOVERY CORPORA								
Sum								149.65-
00006	RICHLAND COUNTY FAMILY C	4941	02014198	13000580	CHILD SUPPORT	08/27/14	19097	183.76-
RICHLAND COUNTY FAMILY C								
Sum								183.76-
00006	STEVEN D SLADE (GARN)	0474	02014197	13000593	GARNISHMENT	08/27/14	19110	98.66-
STEVEND SLADE (GARN)								
Sum								98.66-
00006	TRANSAMERICA LIFE	BURIAL INS P	02014201	13000605	BURIAL INS PREMIUM	08/28/14	19119	779.02-
TRANSAMERICA LIFE								
Sum								779.02-
00006	UNITED HEALTHCARE INS CO	09/2014	02014200	13000601	PREMIUM DUE 9/2014	08/27/14	19118	3,504.26-
UNITEDHEALTHCARE INS CO								
Sum								3,504.26-
00006	WINN BROWN LAW FIRM,THE	9380,6097	02014197	13000595	GARNISHMENT	08/27/14	19112	1,000.02-
WINN BROWN LAW FIRM,THE								
Sum								1,000.02-
Sum								15,554.76-

CITY OF HATTIESBURG - WATER& SEWER OPERATION/MAINT.
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER OPERATION/MAINT.								
00009	AARON OIL COMPANY INC	257027-S	00145368	13001747	REMOVE OIL CONTAMINATED WATER	08/31/14	239952	50.00-
AARONOIL COMPANY INC								
Sum								50.00-
00009	ADVANCED JANITORIAL SERV	20318 WTR BI	00145278	13001710	SERV 8/14 WTR BILL OFFICE	08/31/14	239956	495.00-
ADVANCED JANITORIAL SERV								
Sum								495.00-
00009		56240	00145171	13001694	NPDES MONITORING 8/14	08/31/14	239979	885.82-
BONNERANALYTICAL TESTIN								
Sum								885.82-
00009		148078	00144809	13001684	REPR ELEC MOTORS LAGOONS	08/31/14	239982	2,085.00-
BRADYELECTRIC LLC								
Sum								2,085.00-
00009		7/23/14-8/22	02014745	13001725	CELL SERV 7/14 W&SO&M	08/31/14	239990	231.17-
C SPIRE WIRELESS (CELLUL								
Sum								231.17-
00009	CARQUEST AUTO PARTS STOR	14758-32979	00144983	13001683	REPR PTS U#14702 LAGOON	08/31/14	239995	57.58-
00009		14758-32954	00144986	13001687	REPR PTS U#11211 WTR BILLING	08/31/14	239995	241.02-
00009	CARQUEST AUTO PARTS STOR	14758-33166	00145088	13001689	REPR PTS U#11211 WTR BILLING	08/31/14	239995	24.39-
00009	CARQUEST AUTO PARTS STOR	14758-33049	00145040	13001705	BRAKE PTS U#14702 LAGOON	08/31/14	239995	146.74-
00009	CARQUEST AUTO PARTS STOR	14758-33612	00145308	13001736	REPR PTS U#15667 TRANS	08/31/14	239995	88.48-
00009		14758-33496	00145196	13001739	REPR PTS U#14702 LAGOON	08/31/14	239995	58.37-
CARQUEST AUTO PARTS STOR								
Sum								616.58-
00009		TRF 2ND 8/14	02014736	13001685	TRF 2ND 8/14 PAYROLL	08/20/14	210805	101,200.33-
CITY OF HATTIESBURG FUND								
Sum								101,200.33-
00009	COBURN'S SUPPLY CO INC	607165490	00144916	13001690	PLUMB SUPP/EQUIP TRANS	08/31/14	239997	2,879.53-
COBURN'S SUPPLY CO INC								
Sum								2,879.53-
00009	COURTNEY'S RESTAURANT EQ	8803	00145178	13001698	CHECK ICE MACHINE WTR PLANT	08/31/14	240003	170.00-
COURTNEY'S RESTAURANT EQ								
Sum								170.00-
00009	COVINGTON SALES & SERVIC	66740	00144840	13001732	REPR PTS VARI SEWER UNITS	08/31/14	240004	3,131.11-
00009	COVINGTON SALES & SERVIC	66740 FRT	00145367	13001733	FRT CHGS PO#144840	08/31/14	240004	81.55-
COVINGTON SALES & SERVIC								

Sum								3,212.66-
00009	DELTA FOREMOST CHEMICAL	961518 FRT	00145366	13001748	FRT CHGS PO#142959	08/31/14	240011	73.00-
DELTAFOREMOST CHEMICAL								
Sum								73.00-
00009	DIXIE COMMUNITY UTILITY	SEWER REPORT	00145409	13001735	SEWER BILLING REPORT 7/14	08/31/14	240014	321.25-
DIXIECOMMUNITY UTILITY								
Sum								321.25-
00009		MSHAT173438	00144806	13001657	PUMP EQUIP PTS LAGOONS	08/31/14	240028	107.51-
00009	FASTENAL COMPANY	MSHAT172996	00144178	13001714	REPR/MAINT SUPP SEWER DEPT	08/31/14	240028	214.72-
00009	FASTENAL COMPANY	MSHAT173665	00144987	13001715	VARI TYPE SCREWS SOUTH LAGOON	08/31/14	240028	741.44-
FASTENAL COMPANY								
Sum								1,063.67-
00009	FEDERAL EXPRESS	2-747-47322C	00145155	13001693	SERV 8/1/14 WATER PLANT	08/31/14	240029	15.67-
FEDERAL EXPRESS								
Sum								15.67-
00009	G & K SERVICES	1035506907	00145048	13001658	UNIFORMS 7/01 TRANS	08/31/14	240045	37.85-
00009	G & K SERVICES	1035509083	00145048	13001659	UNIFORMS 7/08 TRANS	08/31/14	240045	42.48-
00009		1035511258	00145048	13001660	UNIFORMS 7/15 TRANS	08/31/14	240045	42.48-
00009	G & K SERVICES	1035513473	00145048	13001661	UNIFORMS 7/22 TRANS	08/31/14	240045	42.48-
00009	G & K SERVICES	1035515650	00145048	13001662	UNIFORMS 7/29 TRANS	08/31/14	240045	40.89-
00009	G & K SERVICES	1035506910	00145048	13001663	MOP/MAT 7/01 PLANT	08/31/14	240045	19.90-
00009		1035509086	00145048	13001664	MOP/MAT 7/08 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035511261	00145048	13001665	MOP/MAT 7/15 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035513476	00145048	13001666	MOP/MAT 7/22 PLANT	08/31/14	240045	19.90-
00009	G & K SERVICES	1035515653	00145048	13001667	MOP/MAT 7/29 PLANT	08/31/14	240045	19.90-
00009		1035506908	00145048	13001668	UNIFORMS 7/01 PLANT	08/31/14	240045	60.60-
00009	G & K SERVICES	1035509084	00145048	13001669	UNIFORMS 7/08 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035511259	00145048	13001670	UNIFORMS 7/15 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035513474	00145048	13001671	UNIFORMS 7/22 PLANT	08/31/14	240045	54.26-
00009	G & K SERVICES	1035515651	00145048	13001672	UNIFORMS 7/29 PLANT	08/31/14	240045	58.76-
00009	G & K SERVICES	1035506906	00145048	13001673	UNIFORMS 7/01 SEWER	08/31/14	240045	39.68-
00009		1035509082	00145048	13001674	UNIFORMS 7/08 SEWER	08/31/14	240045	48.65-
00009	G & K SERVICES	1035511257	00145048	13001675	UNIFORMS 7/15 SEWER	08/31/14	240045	46.60-
00009	G & K SERVICES	1035513472	00145048	13001676	UNIFORMS 7/22 SEWER	08/31/14	240045	49.28-
00009	G & K SERVICES	1035515649	00145048	13001677	UNIFORMS 7/29 SEWER	08/31/14	240045	47.62-
00009		1035506909	00145048	13001678	UNIFORMS 7/01 LAGOON	08/31/14	240045	16.00-
00009	G & K SERVICES	1035509085	00145048	13001679	UNIFORMS 7/08 LAGOON	08/31/14	240045	32.75-
00009	G & K SERVICES	1035511260	00145048	13001680	UNIFORMS 7/15 LAGOON	08/31/14	240045	32.73-
00009	G & K SERVICES	1035513475	00145048	13001681	UNIFORMS 7/22 LAGOON	08/31/14	240045	23.45-
00009	G & K SERVICES	1035515652	00145048	13001682	UNIFORMS 7/29 LAGOON	08/31/14	240045	16.17-
00009	G & K SERVICES	1035468134	00145447	13001742	UNIFORMS 2/25 WTR BILLING	08/31/14	240045	20.00-
00009	G & K SERVICES	1035517870	00145447	13001743	UNIFORMS 8/05 WTR BILLING	08/31/14	240045	17.38-
00009		1035520048	00145447	13001744	UNIFORMS 8/12 WTR BILLING	08/31/14	240045	17.38-
00009	G & K SERVICES	1035522248	00145447	13001745	UNIFORMS 8/19 WTR BILLING	08/31/14	240045	18.82-
G & KSERVICES								
Sum								1,014.33-
00009	HOME DEPOT	6040611	00144842	13001716	GAS TRIMMER LAGOONS	08/31/14	240067	219.00-

HOME DEPOT								
Sum								219.00-
00009	INDOFF INC	2502692	00145141	13001713	JANIT SUPP WTR PLANT	08/31/14	240068	657.81-
INDOFFINC								
Sum								657.81-
00009	IRBY, STUART C CO	S008490442.0	00145010	13001707	LIGHT BULBS WTR PLANT	08/31/14	240072	132.30-
00009		S008485066.0	00144912	13001708	POWER SUPPLY SOUTH LAGOON	08/31/14	240072	249.69-
00009	IRBY, STUART C CO	S008478223.0	00144858	13001709	BREAKER 63RD ST LIFT STA	08/31/14	240072	968.42-
00009	IRBY, STUART C CO	S008466835.0	00144737	13001721	ELEC SUPP LAGOONS	08/31/14	240072	1,541.64-
00009	IRBY, STUART C CO	S008466835.0	00144737	13001722	ELEC SUPP LAGOONS	08/31/14	240072	1,807.86-
IRBY,STUART C CO								
Sum								4,699.91-
00009	L & A CONTRACTING CO	483-11	00145355	13001729	AERATOR MAINT N&S LAGOONS	08/31/14	240084	26,824.66-
L & ACONTRACTING CO								
Sum								26,824.66-
00009	LAMAR AUTO SALVAGE INC	70531	00144991	13001740	REPR PTS U#11519 WTR BILLING	08/31/14	240085	70.00-
LAMARAUTO SALVAGE INC								
Sum								70.00-
00009	LANCASTER'S MACHINE & WE	21893	00144985	13001717	BRACKETS FOR SOUTH LAGOON	08/31/14	240086	1,700.00-
00009	LANCASTER'S MACHINE & WE	21901	00145311	13001738	REPRS U#15667 TRANS	08/31/14	240086	30.00-
LANCASTER'S MACHINE & WE								
Sum								1,730.00-
00009	LIBERTY FLAG & SPECIALTY	06140096	00143275	13001728	FLAGPOLE/FLAGS WTR PLANT	08/31/14	240087	2,823.50-
LIBERTY FLAG & SPECIALTY								
Sum								2,823.50-
00009		516	00145217	13001720	GAS CHLORINATOR FOR PLANTS	08/31/14	240095	2,900.00-
MATHESWATERWORKS LLC								
Sum								2,900.00-
00009		30408	00144972	13001699	REPR PTS U#15775 SEWER	08/31/14	240096	367.64-
00009	MAULDIN COMPANY	30443	00145132	13001737	REPR PTS U#12486 TRANS	08/31/14	240096	46.09-
MAULDIN COMPANY								
Sum								413.73-
00009	MCELHANEY PLUMBING INC	222571	00144807	13001712	HAND TOOLS WTR SERV PERSONNEL	08/31/14	240098	256.75-
MCELHANEY PLUMBING INC								
Sum								256.75-
00009	MIKE'S TIRE & WHEEL CO	2176231	00145195	13001697	TIRES U#15646 PLANT	08/31/14	240106	698.40-
MIKE'STIRE & WHEEL CO								
Sum								698.40-
00009	MS POWER COMPANY	8/14 W&SO&M	00201422	13001724	MNTHLY ELEC-W&SO&M	08/31/14	240119	101,104.55-
MS POWER COMPANY								

Sum								101,104.55-
00009	MS WATER & POLLUTION CTR	MBRSHP DUES	00145444	13001746	MBRSHP DUES T GRIFFIN	08/31/14	240124	100.00-
MS WATER & POLLUTION CTR								
Sum								100.00-
00009	NORTH LAMAR WATER ASSN	SEWER BILLIN	00145446	13001741	SEWER BILLING REPORT 7/14	08/31/14	240131	139.00-
NORTHLAMAR WATER ASSN								
Sum								139.00-
00009	PEARL RIVER VALLEY EPA (	8/14 W&SO&M	00201422	13001723	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240137	251.26-
PEARLRIVER VALLEY EPA (								
Sum								251.26-
00009	RAWLS SPRINGS UTILITY DI	SWR BILLING	00145280	13001711	SEWER BILLING REPORT 7/14	08/31/14	240144	170.00-
RAWLSSPRINGS UTILITY DI								
Sum								170.00-
00009	RJM MCQUEEN CONTRACTING	794	00145223	13001700	REPRS NORTH LAGOON	08/31/14	240147	4,017.70-
00009	RJM MCQUEEN CONTRACTING	797	00145223	13001701	REPRS E 7TH STREET	08/31/14	240147	1,285.00-
00009	RJM MCQUEEN CONTRACTING	798	00145223	13001702	REPRS RONIE STREET	08/31/14	240147	6,950.00-
00009		795	00145223	13001703	REPRS OLIVER STREET	08/31/14	240147	6,817.25-
00009	RJM MCQUEEN CONTRACTING	796	00145223	13001704	REPRS OAK STREET	08/31/14	240147	5,457.00-
RJM MCQUEEN CONTRACTING								
Sum								24,526.95-
00009	SMITH, JIM SERVICES	82022A	00144864	13001695	A/C REPAIR SOUTH LAGOON	08/31/14	240155	250.00-
00009	SMITH, JIM SERVICES	82022B	00144954	13001696	ADDL AMT DUE PO#144864	08/31/14	240155	26.00-
SMITH,JIM SERVICES								
Sum								276.00-
00009	SOUTHERN PINE ELECTRIC P	8/14 W&SO&M	00201422	13001718	MNTHLY 8/14 PUBLIC SERVICES	08/31/14	240158	804.76-
SOUTHERN PINE ELECTRIC P								
Sum								804.76-
00009	SOUTHERN TIRE MART LLC	11091129	00145037	13001706	TIRES U#18556 TRANS	08/31/14	240160	500.00-
SOUTHERN TIRE MART LLC								
Sum								500.00-
00009	SPEEDY PRINTING & SIGNS	19727	00144880	13001686	BLANK POST CARDS WTR BILLING	08/31/14	240162	232.00-
SPEEDYPRINTING & SIGNS								
Sum								232.00-
00009	STANDARD OFFICE SUPPLY C	0046212-001	00144883	13001688	OFFICE SUPP WTR BILLING	08/31/14	240163	319.62-
STANDARD OFFICE SUPPLY C								
Sum								319.62-
00009	UNDERWOOD'S SMALL ENGINE	1405362	00143091	13001719	AGRI EQUIP REPR TRANS DEPT	08/31/14	240171	66.40-
00009	UNDERWOOD'S SMALL ENGINE	1407199	00144301	13001727	CHOP SAW REPR TRANS DEPT	08/31/14	240171	83.80-
UNDERWOOD'S SMALL ENGINE								
Sum								150.20-
00009	WARREN INC	WI-0067462	00141374	13001730	DUMP BODY WTR TRANS	08/31/14	240180	7,500.00-

00009	WARREN INC	WI-0067463	00144867	13001731	UNDER MT HITCH U#19845 TRANS	08/31/14	240180	350.00-
WARRENINC								
Sum								7,850.00-
00009	WARREN PAVING INC	16350MB ADDL	00142165	13001734	ADDL AMT DUE	08/31/14	240181	27.00-
WARRENPAVING INC								
Sum								27.00-
00009	WATTS BROTHERS TRACTOR C	158285	00144984	13001691	REPR PTS U#13083 SEWER DEPT	08/31/14	240184	219.00-
WATTSBROTHERS TRACTOR C								
Sum								219.00-
00009	WILLMUT GAS & OIL COMPAN	8/14 W&SO&M	00201422	13001726	MNTHLY GAS-W&SO&M	08/31/14	240187	13.04-
WILLMUT GAS & OIL COMPAN								
Sum								13.04-
Sum								292,291.15-

CITY OF HATTIESBURG - WATER& SEWER FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER FUND								
00011	BENNETT, BAILEY R	METER DEP RF	02014733	13000885	METER DEP RFD	08/31/14	239973	31.44-
BENNETT, BAILEY R								
Sum								31.44-
00011	BERRYHILL, PARKER	METER DEP RF	02014733	13000878	METER DEP RFD	08/31/14	239974	75.00-
BERRYHILL, PARKER								
Sum								75.00-
00011		METER DEP RF	02014733	13000883	METER DEP RFD	08/31/14	239984	35.94-
BRUCEDONALD								
Sum								35.94-
00011		METER DEP RF	02014733	13000881	METER DEP RFD	08/31/14	239985	35.94-
BRUNT,CHRISTOPHER M								
Sum								35.94-
00011		METER DEP RF	02014733	13000874	METER DEP RFD	08/31/14	240000	47.12-
COOPER, MELVIN SR								
Sum								47.12-
00011	CRAWFORD, RUSSELL	METER DEP RF	02014733	13000879	METER DEP RFD	08/31/14	240006	35.94-
CRAWFORD, RUSSELL								
Sum								35.94-
00011	DISHMON, JOSHUA J	METER DEP RF	02014733	13000886	METER DEP RFD	08/31/14	240013	4.32-
DISHMON, JOSHUA J								
Sum								4.32-
00011	DUCKSWORTH, CHERISH	METER DEP RF	02014733	13000887	METER DEP RFD	08/31/14	240018	75.00-
DUCKSWORTH, CHERISH								
Sum								75.00-
00011	GUERRA, HELEN400	METER DEP RF	02014733	13000891	METER DEP RFD	08/31/14	240055	75.00-
GUERRA, HELEN400								
Sum								75.00-
00011	HARTFIELD, JESSICA M	METER DEP RF	02014733	13000880	METER DEP RFD	08/31/14	240064	35.94-
HARTFIELD, JESSICA M								
Sum								35.94-
00011	HAWTHORNE, SONIA R	METER DEP RF	02014733	13000873	METER DEP RFD	08/31/14	240065	.94-
HAWTHORNE, SONIA R								
Sum								.94-
00011	INTERIOR CONSTRUCTION	METER DEP RF	02014733	13000872	METER DEP RFD	08/31/14	240070	17.17-

INTERIOR CONSTRUCTION								
Sum								17.17-
00011	KAPOUSTINA, MARIA N	METER DEP RF	02014733	13000884	METER DEP RFD	08/31/14	240080	52.94-
KAPOUSTINA, MARIA N								
Sum								52.94-
00011	KDC INVESTMENTS 338C	METER DEP RF	02014733	13000871	METER DEP RFD	08/31/14	240081	35.94-
KDC INVESTMENTS 338C								
Sum								35.94-
00011	LINDEN, PAUL S	METER DEP RF	02014733	13000889	METER DEP RFD	08/31/14	240088	75.00-
LINDEN, PAUL S								
Sum								75.00-
00011	LUNA, PAULA	METER DEP RF	02014733	13000876	METER DEP RFD	08/31/14	240090	40.00-
LUNA,PAULA								
Sum								40.00-
00011	NETWORK SERVICES (NSI)	10201490000	02014727	13000870	WATER COLLECTIONS FEES	08/31/14	240129	73.72-
NETWORK SERVICES (NSI)								
Sum								73.72-
00011	SAFEGUARD,PROPERTIES906	METER DEP RF	02014733	13000890	METER DEP RFD	08/31/14	240150	35.94-
SAFEGUARD,PROPERTIES906								
Sum								35.94-
00011	SHORT, MICHAEL C	METER DEP RF	02014733	13000888	METER DEP RFD	08/31/14	240154	35.94-
SHORT,MICHAEL C								
Sum								35.94-
00011	THE ACADEMY OF HAIR DESI	METER DEP RF	02014733	13000877	METER DEP RFD	08/31/14	240168	52.17-
THE ACADEMY OF HAIR DESI								
Sum								52.17-
00011		METER DEP RF	02014733	13000875	METER DEP RFD	08/31/14	240169	17.17-
TOWERLOAN OF S. HATTIES								
Sum								17.17-
00011		METER DEP RF	02014733	13000882	METER DEP RFD	08/31/14	240185	35.94-
WHOLER, WILLIAM								
Sum								35.94-
Sum								924.51-

CITY OF HATTIESBURG - POLICEFORFEITURES FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
POLICEFORFEITURES FUND								
00019	H'BURG COCA COLA BOTTLIN	56M01023801	00143609	13000080	POWERADE PAL SUMMER CAMP	08/31/14	240059	159.36-
H'BURGCOCA COLA BOTTLIN								
Sum								159.36-
00019	WAL-MART STORES INC	006703 & 005	00144583	13000079	FOOD/SOFT DRINKS NNO	08/31/14	240176	392.92-
WAL-MART STORES INC								
Sum								392.92-
Sum								552.28-

CITY OF HATTIESBURG - MUNICIPAL ROAD & BRIDGE
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MUNICIPAL ROAD & BRIDGE								
00072	CATERPILLAR FINANCIAL SE	0597687 INV	02014737	13000181	BACKHOE LEASE PYMT DUE 8/29/14	08/21/14	41130	1,086.14-
CATERPILLAR FINANCIAL SE								
Sum								1,086.14-
00072	NEEL-SCHAFFER INC	1019794	00145263	13000182	SRV 6/1-7/31/14 HARDY ST CORR	08/31/14	240128	716.80-
00072	NEEL-SCHAFFER INC	1020047	00145299	13000183	SRV 7/14 BRDWAY DR/MOBILE ST	08/31/14	240128	737.10-
00072	NEEL-SCHAFFER INC	1019807-1020	00145259	13000184	SRV 6/1-7/31/14 HAWKINS ELEM	08/31/14	240128	5,854.35-
00072	NEEL-SCHAFFER INC	1019806	00145260	13000185	SRV 6/14 TUSCAN AVE PED IMP	08/31/14	240128	9,361.52-
00072		1019805-1020	00145300	13000186	SRV 6/1-7/31/14 GORDON CRK	08/31/14	240128	18,366.65-
00072	NEEL-SCHAFFER INC	10020043 & 1	00145481	13000188	SRV 4TH ST WIDENING 6/1-7/31	08/31/14	240128	47,925.67-
NEEL-SCHAFFER INC								
Sum								82,962.09-
00072	PRECISION CONSTRUCTION L	MDOT CONTRAC	00145483	13000187	SRV WOODLEY SIDEWALK PO144963	08/31/14	240140	45,523.88-
PRECISION CONSTRUCTION L								
Sum								45,523.88-
00072	WARREN PAVING INC	MDOT CONTRAC	00145482	13000189	SRV 4TH ST WIDENING PO#144964	08/31/14	240181	45,864.75-
WARRENPAVING INC								
Sum								45,864.75-
Sum								175,436.86-

CITY OF HATTIESBURG - MASS TRANSIT FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MASS TRANSIT FUND								
00073	ADVANCED JANITORIAL SERV	20318 MASS T	00145278	13000437	SERV 8/14 MASS TRANSIT	08/31/14	239956	345.00-
ADVANCED JANITORIAL SERV								
Sum								345.00-
00073	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13000441	CELL SERV 7/14 MASS TRANSIT	08/31/14	239990	56.58-
C SPIRE WIRELESS (CELLUL								
Sum								56.58-
00073		TRF 2ND 8/14	02014736	13000433	TRF 2ND 8/14 PAYROLL	08/20/14	19062	26,581.56-
CITY OF HATTIESBURG FUND								
Sum								26,581.56-
00073		401300	00145271	13000439	FLYERS FOR BUSES	08/31/14	240001	58.95-
COPY CATS PRINTING								
Sum								58.95-
00073		96441	00144857	13000436	REPR PTS U#16760	08/31/14	240017	492.86-
DOSSETT PONTIAC CADILLAC								
Sum								492.86-
00073	GILLIG LLC	40038600	00144831	13000431	REPR PTS U#16234 & U#16235	08/31/14	240049	1,160.14-
GILLIGLLC								
Sum								1,160.14-
00073	JOHNNY'S WRECKER SERVICE	23196	00145025	13000432	TOWING U#16235 TO JACKSON	08/31/14	240075	700.00-
JOHNNY'S WRECKER SERVICE								
Sum								700.00-
00073	MS POWER COMPANY	8/14 M TRANS	00201422	13000440	MNTHLY ELEC-MASS TRANSIT	08/31/14	240119	1,010.08-
MS POWER COMPANY								
Sum								1,010.08-
00073	VERIZON WIRELESS	9730092160	00145282	13000438	GPS PARATRANS BUSES 8/11-9/10	08/31/14	240174	201.81-
VERIZON WIRELESS								
Sum								201.81-
00073	WATERS INTERNATIONAL TRU	242260031	00145019	13000434	REPRS U#18571 BUS	08/31/14	240183	572.02-
00073	WATERS INTERNATIONAL TRU	8-242310080	00145091	13000435	REPR PTS BUS STOCK	08/31/14	240183	42.65-
WATERSINTERNATIONAL TRU								
Sum								614.67-
Sum								31,221.65-

CITY OF HATTIESBURG - WATER&SEWER CONSTRUCTION FUND
DOCKET OF CLAIMS Date - 08/28/14
PERIOD ENDING AUGUST 31, 2014

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER&SEWER CONSTRUCTION FUND								
00075	GOURAS, JIMMY G, URBAN P	9761	00145310	13000082	SRVS USA YEAST WASTEWTR TRTMT	08/31/14	240053	2,791.69-
00075	GOURAS, JIMMY G, URBAN P	9760	00145313	13000083	SRVS 4/1-6/30/14 USA YEAST	08/31/14	240053	8,375.01-
GOURAS, JIMMY G, URBAN P								
Sum								11,166.70-
00075	MORGAN, C J INC	2014082	00145257	13000078	WTR LEAKS WILDWOOD TRACE	08/31/14	240112	7,570.35-
00075	MORGAN, C J INC	2014083	00145257	13000079	FIRE TAP 300 CAHAL ST	08/31/14	240112	7,969.80-
00075	MORGAN, C J INC	2014081	00145257	13000080	WTR LEAKS DIXIE PINE/JAMES	08/31/14	240112	9,802.40-
00075		2014080	00145257	13000081	FIRE TAP HWY 98 TOYOTA	08/31/14	240112	5,475.00-
MORGAN, C J INC								
Sum								30,817.55-
Sum								41,984.25-

CITY OF HATTIESBURG - COMMUNITY CENTERS' FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY CENTERS' FUND								
00077	ADCOCK POOLS AND SPA	07037	00143596	13000451	FOUNTAIN REPR CULTURAL CNTR	08/31/14	239954	331.00-
ADCOCKPOOLS AND SPA								
Sum								331.00-
00077	BAKER, JINNIE (REFUNDS)	CULTURAL CEN	02014750	13000473	DAMAGE DEPOSIT REFUND	08/31/14	239970	300.00-
BAKER,JINNIE (REFUNDS)								
Sum								300.00-
00077		7/23/14-8/22	02014745	13000461	CELL SERV 7/14 COMM CNTRS	08/31/14	239990	49.63-
C SPIRE WIRELESS (CELLUL								
Sum								49.63-
00077		TRF 2ND 8/14	02014736	13000452	TRF 2ND 8/14 PAYROLL	08/20/14	310129	20,188.23-
CITY OF HATTIESBURG FUND								
Sum								20,188.23-
00077		PETTY CASH 7	00145397	13000474	PETTY CASH COMM CNTRS	08/31/14	240021	19.11-
EATON,KERMAS								
Sum								19.11-
00077	G & K SERVICES	1035515642	00145378	13000465	UNIFORMS 7/29 COMM CNTRS	08/31/14	240045	43.56-
00077		1035517841	00145378	13000466	UNIFORMS 8/05 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	1035520019	00145378	13000467	UNIFORMS 8/12 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	1035522219	00145378	13000468	UNIFORMS 8/19 COMM CNTRS	08/31/14	240045	43.56-
00077	G & K SERVICES	103552439	00145378	13000469	UNIFORMS 8/26 COMM CNTRS	08/31/14	240045	43.56-
G & KSERVICES								
Sum								217.80-
00077	GARNER LUMLEY ELECTRIC S	503583	00145144	13000455	EMER LIGHTS MCNAIR CNTR GYM	08/31/14	240047	99.50-
GARNERLUMLEY ELECTRIC S								
Sum								99.50-
00077	MALONE, CHARLES W INC	PO#144197 8/	00144197	13000453	ROOF PANELS MCNAIR CENTER	08/31/14	240093	9,860.00-
MALONE, CHARLES W INC								
Sum								9,860.00-
00077	MCGINNIS, MIKKI (REFUNDS	CULTURAL CEN	02014750	13000470	DAMAGE DEPOSIT REFUND	08/31/14	240099	250.00-
MCGINNIS, MIKKI (REFUNDS								
Sum								250.00-
00077	MINGLEDORFF'S INC	5418749-00	00144757	13000454	A/C FILTERS SHERRILL/CE ROY	08/31/14	240108	654.64-
MINGLEDORFF'S INC								
Sum								654.64-
00077	MS POWER COMPANY	8/14 COMM CN	00201422	13000460	MNTHLY ELEC-COMM CNTRS	08/31/14	240119	4,453.35-

MS POWER COMPANY								
Sum								4,453.35-
00077	NEWELL PAPER COMPANY	820156	00144563	13000457	JANIT SUPP COMM CNTRS	08/31/14	240130	160.61-
00077	NEWELL PAPER COMPANY	820916	00144563	13000458	JANIT SUPP COMM CNTRS	08/31/14	240130	1,023.74-
NEWELLPAPER COMPANY								
Sum								1,184.35-
00077	OFFICE DEPOT INC	1700829995	00144541	13000456	PRINTER CE ROY CENTER	08/31/14	240133	85.49-
OFFICEDEPOT INC								
Sum								85.49-
00077	PINE BELT INDUSTRIAL SUP	4125479-0001	00145219	13000463	A/C REPR SUPP SHERRILL CNTR	08/31/14	240138	26.55-
PINE BELT INDUSTRIAL SUP								
Sum								26.55-
00077	SOLAR SUPPLY INC	3459088	00145143	13000464	A/C REPR PTS MCNAIR CENTER	08/31/14	240156	150.64-
SOLARSUPPLY INC								
Sum								150.64-
00077	WAL-MART STORES INC	008619	00144756	13000459	VARI SIZE BATTERIES COMM CTRS	08/31/14	240176	143.79-
WAL-MART STORES INC								
Sum								143.79-
00077	WALKER, RASHEDA (REFUNDS	SHERRILL CEN	02014750	13000472	DAMAGE DEPOSIT REFUND	08/31/14	240177	100.00-
WALKER, RASHEDA (REFUNDS								
Sum								100.00-
00077	WIKSTROM, BROOKE (REFUND	CULTURAL CEN	02014750	13000471	DAMAGE DEPOSIT REFUND	08/31/14	240186	250.00-
WIKSTROM, BROOKE (REFUND								
Sum								250.00-
00077	WILLMUT GAS & OIL COMPAN	8/14 COMM CN	00201422	13000462	MNTHLY GAS-COMM CNTRS	08/31/14	240187	31.55-
WILLMUT GAS & OIL COMPAN								
Sum								31.55-
Sum								38,395.63-

CITY OF HATTIESBURG - COMMUNITY DEVELOP. BLOCK GRANT
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY DEVELOP. BLOCK GRANT								
00082	C SPIRE WIRELESS (CELLUL	7/23/14-8/22	02014745	13000296	CELL SERV 7/14 CDBG	08/31/14	239990	31.96-
C SPIRE WIRELESS (CELLUL								
Sum								31.96-
00082	CITY OF HATTIESBURG FUND	TRF 2ND 8/14	02014736	13000291	TRF 2ND 8/14 PAYROLL	08/20/14	310130	7,467.54-
CITY OF HATTIESBURG FUND								
Sum								7,467.54-
00082		PETTY CASH 7	00145397	13000297	PETTY CASH CDBG	08/31/14	240021	20.62-
EATON,KERMAS								
Sum								20.62-
00082		154	00145161	13000294	712 NTHILL DR#3 CTOPS FANS LIG	08/20/14	310133	10,500.00-
HOLLIMON CONSTRUCTION								
Sum								10,500.00-
00082		2496394B	00144707	13000295	OFFICE SUPP CDBG/HOME PROG	08/31/14	240068	96.42-
INDOFFINC								
Sum								96.42-
00082	PINE BELT COMMUNITY SERV	08/19/14	00145160	13000293	FOOD, GAS CARDS, EQUIP, DR#7	08/20/14	310132	2,249.57-
PINE BELT COMMUNITY SERV								
Sum								2,249.57-
00082	SMITH'S REMODELING	08/04/14	00145159	13000292	1802 EDWARDS HEATERS DOORS DR5	08/20/14	310131	3,440.00-
SMITH'S REMODELING								
Sum								3,440.00-
Sum								23,806.11-

CITY OF HATTIESBURG - INDUSTRIAL PARK DEVELOPMENT
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
INDUSTRIAL PARK DEVELOPMENT								
00087	AREA DEVELOPMENT PARTNER	182	00145105	13000052	ADMIN FEES IND PK 7/1-9/30/14	08/31/14	239963	875.00-
AREA DEVELOPMENT PARTNER								
Sum								875.00-
Sum								875.00-

CITY OF HATTIESBURG - 2001 BOND CONSTRUCTION FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
2001 BOND CONSTRUCTION FUND								
00095	H'BURG CONVENTION COMMIS	REIMB MS HAB	00145335	13000001	REIMB MS HABITAT EXHIBIT IMPS	08/31/14	240060	145,361.00-
H'BURGCONVENTION COMMIS								
Sum								145,361.00-
Sum								145,361.00-

CITY OF HATTIESBURG - SPECIAL SALES TAX-T&A
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
SPECIAL SALES TAX-T&A								
00107	H'BURG CONVENTION COMMIS	FOOD/BEVERAG	02014730	13000022	FOOD/BEVERAGE TAX 7/14	08/18/14	19057	589,479.87-
H'BURGCONVENTION COMMIS								
Sum								589,479.87-
00107	H'BURG TOURISM COMMISSIO	MOTEL SALES	02014729	13000021	MOTEL SALES TAX 7/14	08/18/14	19056	64,358.11-
H'BURGTOURISM COMMISSIO								
Sum								64,358.11-
Sum								653,837.98-

CITY OF HATTIESBURG - GROUPINSURANCE TRUST FUND
DOCKET OF CLAIMS
PERIOD ENDING AUGUST 31, 2014

Date - 08/28/14

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GROUPINSURANCE TRUST FUND								
00109	CITY OF HATTIESBURG FUND	TRF TAYLOR H	02014746	79	TRF TAYLOR HENRY DAVIS HOLLOWA	08/27/14	310135	96.90-
CITY OF HATTIESBURG FUND								
Sum								96.90-
Sum								96.90-

City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Meeting Agenda

Tuesday, September 2, 2014

4:00 PM

Council Chambers

City Council - Work Session

1. **Budget Discussions with Directors - Delgado**