

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	LWO-6032-24(006)	1

STATE OF MISSISSIPPI  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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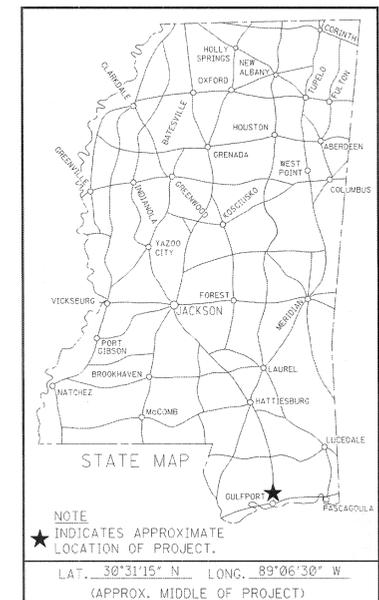
# SITE IMPROVEMENTS AT LYMAN SITE UTILITY MAINLINE INSTALLATION PROJECT NO. LWO-6032-24(006)

HARRISON COUNTY

FMS# - 502517-301000

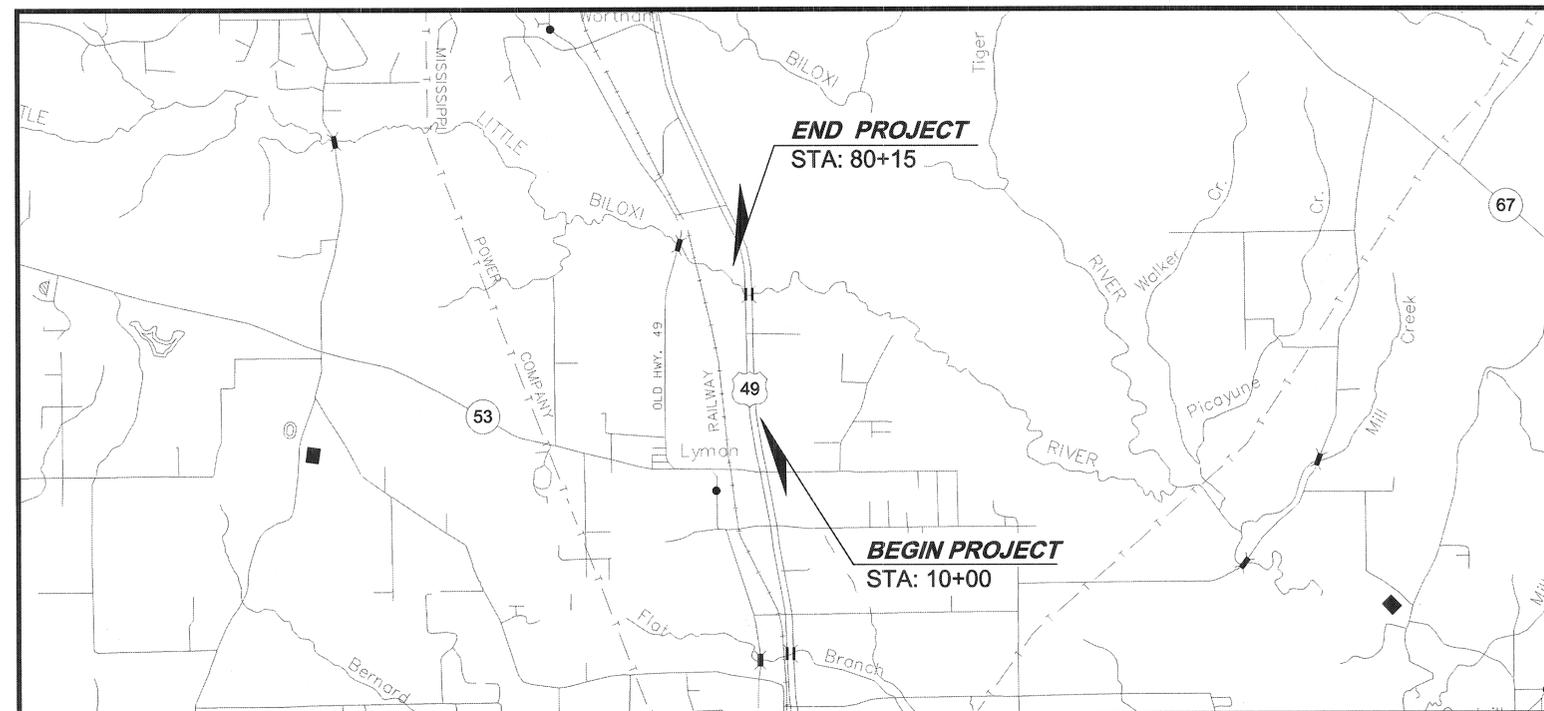
SCALES

PLAN	1 IN. = 50 FT.
PROFILE {	HOR. 1 IN. = 50 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 1000 FT.



BRIDGE STRUCTURES REQ'D.  
NONE

BOX BRIDGES REQ'D.  
NONE



VICINITY MAP

LENGTH DATA

LENGTH OF ROADWAY	7015.00	FT.	1.328	MI.
LENGTH OF BRIDGES	0.00	FT.	0.00	MI.
LENGTH OF PROJECT (NET)			1.328	MI.
LENGTH OF EXCEPTIONS	0.00	FT.	0.00	MI.
LENGTH OF PROJECT (GROSS)			1.328	MI.

CONVENTIONAL SYMBOLS

- COUNTY LINE
- TOWN CORPORATION LINE
- SECTION LINE
- EXISTING ROAD OR TRAVELED WAY
- PROPOSED ROAD OR TRAVELED WAY
- RAILROAD
- SURVEY LINE
- BRIDGES

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 <b>S</b>		
Y	REQUIRED, SCNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES + JNTB 588)	
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES + JNTB 14)	
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)	
APPROVED BY: <i>[Signature]</i> DATE: 2/12/13		



2/13 Revise Permit Block JV REVISION	APPROVED:
	CHIEF ENGINEER <i>[Signature]</i> DATE: 2/8/13 EXECUTIVE DIRECTOR <i>[Signature]</i> DATE: 2/8/13 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
APPROVED:	
DIVISION DIRECTOR _____ DATE _____	
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

1st O.REV.

STATE	PROJECT NO.
MISS.	LWO-6032-24(006)

<u>DESCRIPTION OF SHEET</u>	<u>WKG. NO.</u>	<u>SHT. NO.</u>
<u>TITLE SHEET (1)</u>		1
<u>DETAILED INDEX &amp; GENERAL NOTES (2)</u>		
DETAILED INDEX	DI-1	2
GENERAL NOTES	GN-1	3
<u>QUANTITY SHEETS (1)</u>		
SUMMARY OF QUANTITIES	SQ-1	4
<u>PLAN / PROFILE SHEETS (7)</u>		
ALIGNMENT "A" - STA. 10+00 TO 24+00	PP-1	5
ALIGNMENT "A" - STA. 24+00 TO 40+00	PP-2	6
ALIGNMENT "A" - STA. 40+00 TO 55+50	PP-3	7
ALIGNMENT "A" - STA. 55+50 TO 70+50	PP-4	8
ALIGNMENT "A" - STA. 70+50 TO 78+53	PP-5	9
ALIGNMENT "B" - STA. 72+77 TO 79+62	PP-6	10
ALIGNMENT "C" - STA. 78+20 TO 80+15	PP-7	11
<u>WATER AND SEWER DETAIL SHEETS (4)</u>		
GENERAL WATER DETAILS (CITY OF GULFPORT)	DET-1	12
MISCELLANEOUS DETAILS	DET-2	13
LIFT STATION DETAILS	DET-3	14
<u>ELECTRICAL SHEETS (6)</u>		
PROJECT LOCATION	ELEC-1	15
ELECTRICAL LIFT STATION SITE PLAN	ELEC-2	16
ELECTRICAL DETAILS I	ELEC-3	17
ELECTRICAL DETAILS II	ELEC-4	18
GENERATOR PAD AND DETAILS	ELEC-5	19
GENERATOR PAD AND GROUND GRID DETAILS	ELEC-6	20
<u>EROSION CONTROL SHEETS (7)</u>		
TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS	ECD-1	21
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	22
DETAILS OF SILT FENCE INSTALLATION	ECD-3	23
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	24
DETAILS OF EROSION CONTROL, WATTLE DITCH CHECK	ECD-6	25
STABILIZED CONSTRUCTION ENTRANCE	ECD-15	26
VEGETATION SCHEDULE	VS-1	27
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SCTCP-10	28
<u>STANDARD DRAWINGS (5)</u>		
EROSION CONTROL	EC-1	6140
FENCE: CHAIN LINK CLASS I	CL-1	6162
FENCE: CHAIN LINK GATE	CLG-1	6168
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)	TCP-5	6254
 <u>TOTAL SHEETS</u>		 <u>32</u>



PS & E PLANS - DATE 01/16/2013		
FMS CON. # 502517/301000		
REVISIONS		
DATE	SHEET NO.	BY
2/13/13	1, 4	JPF



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJ. NO. LWO-6032-24(006)	WORKING NUMBER DI-1
COUNTY: HARRISON	SHEET NUMBER 2
FILENAME: INDEX.DWG	DESIGN TEAM: NEEL-SCHAFFER
DATE: _____	CHECKED: _____ DATE: _____

ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION 7/21/2009 INED.DWG

## GENERAL NOTES

1. THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AS AMENDED, SHALL BE THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE INDICATED OR AMENDED IN THE SPECIAL PROVISIONS, PROPOSAL AND CONTRACT DOCUMENTS.
2. 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.
3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
5. WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING, OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
6. CLEARING IN WETLANDS AREA UNDERNEATH BRIDGES IS PROHIBITED, EXCEPT WHERE NECESSARY FOR BRIDGE CONSTRUCTION. THIS CLEARING MUST BE DONE WITH SAWS. DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB NATURAL GROUND SURFACE ARE NOT ALLOWED.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM REQUIRED TO PREVENT A FAILURE FROM OCCURRING DURING EXCAVATION. PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING AND CONSTRUCTING THE FACILITY ARE NOT CONSIDERED A SEPARATE PAY ITEM.
8. 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.
9. PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH THE STOCKPILED TOPSOIL. THE COST OF STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL IS TO BE INCLUDED IN OTHER ITEMS OF WORK.
10. A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT THE LOCATIONS INDICATED IN THE TEST REPORTS. THIS SOIL PROFILE IS ON FILE IN THE DISTRICT AND CENTRAL CONSTRUCTION OFFICES AND IS AVAILABLE FOR EXAMINATION. THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIALS AS SHOWN IN THE REPORTS ARE NECESSARILY TO BE FOUND OUTSIDE THE TEST HOLES
11. BACKFILLED AND COMPACTED UTILITY EXCAVATION AND TRENCHWORK SHALL BE SITE GRADED TO MATCH EXISTING GROUND ELEVATIONS PRIOR TO APPLICATION OF PERMANENT EROSION CONTROL MEASURES. (NOT A SEPARATE PAY ITEM.)
12. ALL PLASTIC DRUMS USED IN WORK ZONE TRAFFIC CONTROL SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
13. 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.
14. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM).
15. THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLAN, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
16. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
17. SOME WORK MAY BE REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.
18. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM RESPONSIBILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
19. ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
20. ALL RAISED OBJECTS SHALL BE PLACED A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THROUGH AND LOCAL TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
22. CONTRACTOR SHALL PROVIDE ACCESS (INGRESS AND EGRESS) TO LOCAL BUSINESSES AND HOMEOWNERS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY BUSINESSES AND HOMEOWNERS 48 HOURS IN ADVANCE OF ACCESS RESTRICTIONS.
23. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR RELOCATION OF EXISTING POWER, TELEPHONE, AND CABLE TV UTILITIES. CONTRACTOR SHALL PROVIDE ACCESS TO THE UTILITY COMPANIES FOR RELOCATION ACTIVITIES, AS REQ'D.
24. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF GULFPORT FOR CONNECTION TO EXISTING WATER AND SEWER SYSTEMS AS SHOWN IN THE PLANS, AND PAY ANY APPLICABLE CONNECTION FEES ASSOCIATED WITH THE WORK.
25. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE VERIFICATION, PROTECTION, AND RELOCATION OF BENCHMARKS DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR RELOCATION OF BENCHMARKS.
26. WATERLINE SHALL BE INSTALLED A MINIMUM OF 36" BELOW NATURAL GROUND. SEWER FORCE MAIN SHALL BE INSTALLED 18" MINIMUM BELOW THE BOTTOM OF THE INSTALLED WATERLINE. THE CONTRACTOR SHALL MAINTAIN A 10' SEPARATION BETWEEN WATER AND SEWER LINES AT ALL TIMES. AREAS WHERE THIS IS NOT POSSIBLE ARE INDICATED ON THE PLANS AND THE WATERLINE AND FORCE MAIN MATERIAL HAS BEEN UPGRADED ACCORDINGLY.

ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION 7/21/2009 NOTES.DWG

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>GENERAL NOTES</b>	
PROJ. NO. LWO-6032-24(006)	WORKING NUMBER GN-1
COUNTY: HARRISON	SHEET NUMBER 3
FILENAME: _____ NOTES.DWG	
DESIGN TEAM: NEEL-SCHAFFER CHECKED: _____ DATE: _____	