STATE	PROJECT NO.	SHEET NO.
MISS.	SP–9999–06(016)	1

STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

U.S. 49 FROM CAMP SHELBY TO U.S. 98
HATTIESBURG, MISSISSIPPI
STATE PROJECT NO. SP–9999–06(016)
FORREST COUNTY

FMS CONST. 106672 /301000

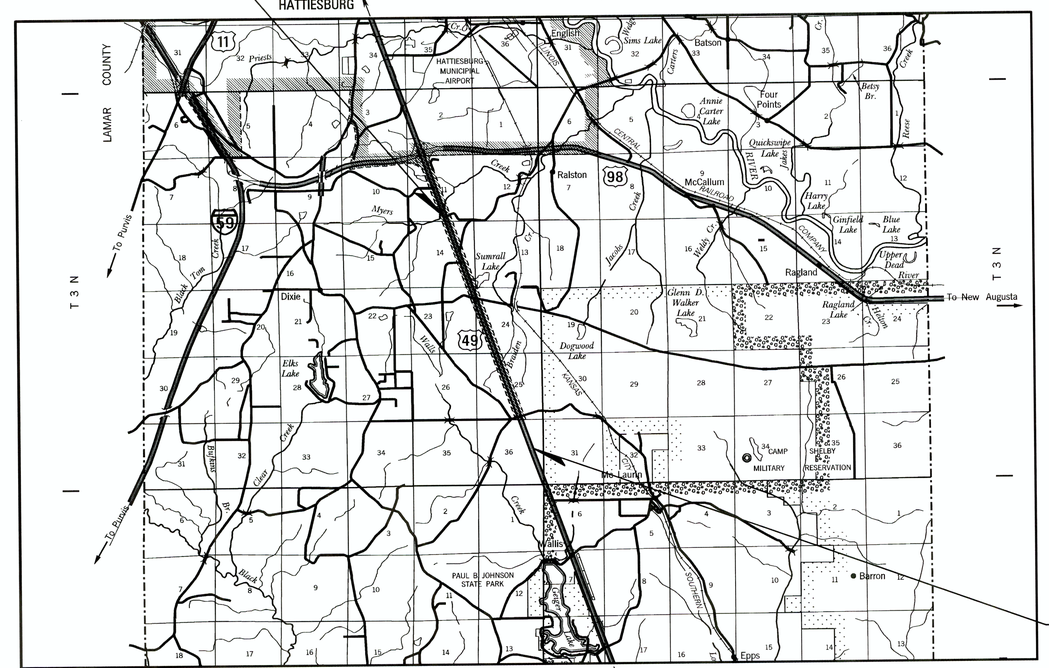
GENERAL INDEX

INCLUDED THIS PROJECT		BEGIN WITH SHEET
☒	ROADWAY	1
☒	PERMANENT SIGNS	1001
☒	TRAFFIC SIGNALS	2001
☒	ITS COMPONENTS	3001
☐	LIGHTING	4001
☐	(RESERVED)	5001
☒	ROADWAY STANDARD DWGS	6001
☒	BRIDGE STANDARD DWGS	7001
☐	BRIDGE	8001
☒	CROSS SECTIONS	9001

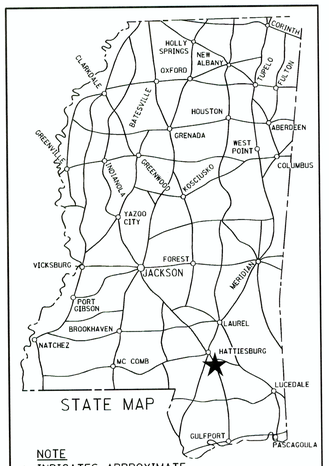
SCALES
PLAN (SIGNAL) 1 IN. = 40 FT.
(ROADWAY) 1 IN. = 100 FT.
LAYOUT 1 IN. = 6,000 FT.

END OF PROJECT
STA. 696+00 - US HIGHWAY 49

TO HATTIESBURG



BEGINNING OF PROJECT
STA. 585+00 - US HIGHWAY 49



STATE MAP

NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 31°12'23.85"N LONG. 89°15'35.48"W
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL
65 MPH = V (SPEED DESIGN)
ADT (2014) = 26300 : ADT (2034) = 51500
DHV = 5700 : D = 50 % T= 14 %

PERMITS ACQUIRED BY MDOT
WETLANDS AND WATERS PERMITS
(NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	Y	Y
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT Y

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: DOT DATE: 4/24/14

CONVENTIONAL SYMBOLS

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

EQUATIONS

US HIGHWAY 49
STA. 595+00.00 BK = STA. 527+63.50 AH = +6,736.50 FT.
TOTAL = +6,736.50 FT.

EXCEPTIONS

NONE

LENGTH DATA

	FORREST CO.	TOTAL	
LENGTH OF ROADWAY (US 49)	3.378 MI.	17,836.50 FT.	3.378 MI.
LENGTH OF PROJECT (NET)	3.378 MI.		3.378 MI.
LENGTH OF EXCEPTIONS	0.00 MI.	FT.	0.00 MI.
LENGTH OF PROJECT (GROSS)	3.378 MI.		3.378 MI.

STEVEN A. TWEDT REGISTERED PROFESSIONAL ENGINEER 011221 4/24/14 STATE OF MISSISSIPPI

DATE	REVISIONS	BY

APPROVED:
CHIEF ENGINEER — DATE 4/24/14
EXECUTIVE DIRECTOR — DATE 4/24/14
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/24/2014 14:20:17 TITLE.DGN

1st O.REV.

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (4)		
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DETAILED INDEX	DI-2	3
DETAILED INDEX	DI-3	4
GENERAL NOTES	GN-1	5
TYPICAL SECTION SHEETS (10)		
TYPICAL SECTIONS - US HIGHWAY 49	TS-1	6
TYPICAL SECTIONS - US HIGHWAY 49 AT SOUTHGATE ROAD	TS-2	7
TYPICAL SECTIONS - US HIGHWAY 49 AT SOUTHGATE ROAD	TS-3	8
TYPICAL SECTIONS - US HIGHWAY 49 - SOUTHBOUND PARTIAL SECTIONS	TS-4	9
TYPICAL SECTIONS - US HIGHWAY 49 - NORTHBOUND PARTIAL SECTIONS	TS-5	10
TYPICAL SECTIONS - US HIGHWAY 49	TS-6	11
TYPICAL SECTIONS - US HIGHWAY 49 - SOUTHBOUND DETOUR ROAD	TS-7	12
TYPICAL CROSSOVER - US HIGHWAY 49	TS-8	13
TYPICAL SECTIONS - RETAINING WALL	TS-9	14
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SUMMARY OF QUANTITIES	SQ-2	17
SUMMARY OF QUANTITIES	SQ-3	18
SUMMARY OF QUANTITIES	SQ-4	19
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ESTIMATED QUANTITIES - REMOVAL ITEMS	EQ-2	22
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ESTIMATED QUANTITIES - BOX CULVERTS AND JUNCTION BOXES	EQ-6	26
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US HIGHWAY 49 - STA. 572+00 TO STA. 602+00	WK5	36
US HIGHWAY 49 - STA. 602+00 TO STA. 632+00	WK6	37
US HIGHWAY 49 - STA. 632+00 TO STA. 662+00	WK7	38
US HIGHWAY 49 - STA. 662+00 TO STA. 692+00	WK8	39
US HIGHWAY 49 - SOUTHBOUND - STA. 658+00 TO STA. 688+00	WK8L	40
US HWY. 49 - SOUTHBOUND DETOUR - STA. 662+00 TO STA. 685+00	WK8A	41
US HIGHWAY 49 - STA. 692+00 TO STA. 698+00	WK9	42
RETAINING WALL PLAN & PROFILE SHEETS (3)		
RETAINING WALL AT STA. 539+50 AND STA. 557+00 SOUTHBOUND	WK10	43
RETAINING WALL AT STA. 618+50 AND STA. 634+00 SOUTHBOUND	WK11	44
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TRAFFIC CONTROL PLAN - PHASE I - STA. 684+00 TO STA. 691+00	TC-2	57
TRAFFIC CONTROL PLAN - PHASE II - STA. 662+00 TO STA. 684+00	TC-3	58
TRAFFIC CONTROL PLAN - PHASE II - STA. 684+00 TO STA. 691+00	TC-4	59
TRAFFIC CONTROL PLAN - PHASE III - STA. 662+00 TO STA. 684+00	TC-5	60
TRAFFIC CONTROL PLAN - PHASE III - STA. 684+00 TO STA. 691+00	TC-6	61
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EROSION CONTROL PLAN - US HIGHWAY 49 - STA. 692+00 TO STA. 698+00	ECP-9	75

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PS & E PLANS-DATE 04/24/14		
FMS CON. # 106672/301000		
REVISIONS		
DATE	SHEET NO.	BY
9/11/14	16, 19, 20, 40, 99	CRH

STEVEN A. TWEDT
REGISTERED PROFESSIONAL ENGINEER
011221
4/24/14
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DETAILED INDEX

PROJECT NO. SP-9999-06(016)
COUNTY: FORREST

FILENAME: DI.DGN
DESIGN TEAM NS CHECKED DATE

WORKING NUMBER DI-1
SHEET NUMBER 2

DATE | REVISION | BY

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/11/2014 1:41:48:47 DI.DGN

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

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DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	82
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WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 4-12 FT. SPANS 4-24 FT.	SD-IWS-3A	121
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DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 592+00 TO STA. 534+00	PSP-2	1002
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 534+00 TO STA. 550+00	PSP-3	1003
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 550+00 TO STA. 565+00	PSP-4	1004
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 565+00 TO STA. 580+00	PSP-5	1005
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 580+00 TO STA. 596+00	PSP-6	1006
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 596+00 TO STA. 612+00	PSP-7	1007
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 612+00 TO STA. 628+00	PSP-8	1008
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 628+00 TO STA. 644+00	PSP-9	1009
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 644+00 TO STA. 660+00	PSP-10	1010
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DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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TRAFFIC SIGNAL PLAN - US HWY 49 AT CAMP SHELBY SOUTH GATE	TSI-2	2002
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES	TSD-1	2003
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TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS	TSD-5	2006
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-6	2007
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	TSD-7	2008

STEVEN A. TWEDT
REGISTERED PROFESSIONAL ENGINEER
011221
4/24/14
STATE OF MISSISSIPPI

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. SP-9999-06(016)
COUNTY: FORREST

FILENAME: DI.DGN
DESIGN TEAM ____ NS ____ CHECKED ____ DATE ____

WORKING NUMBER
DI-2

SHEET NUMBER
3

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/24/2014 1:41:20:18 DI.DGN

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
ITS PLANS AND DETAILS (17)			
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FIBER OPTIC DETAILS - CABLE MANAGEMENT DETAILS		FO-5	3013
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FIBER OPTIC DETAILS - RELOCATION OF FIBER OPTIC CABLE, CONDUIT, AND PULLBOXES		FO-7	3015
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GUARDRAIL: MISCELLANEOUS HARDWARE	3-01-02	GR-HW	6202
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STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	6226
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BREAKAWAY SIGN SUPPORTS		SN-6A	6230
SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	3-01-02	SN-7	6232
TYPICAL CROSSOVER DELINEATION	12-01-99	SN-8B	6235
TYPICAL GUARDRAIL DELINEATION	3-01-02	SN-8C	6236
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)		TCP-5	6254
SHORT DURATION CLOSING OF DIVIDED HIGHWAYS		TCP-9	6258
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANES ROADS	12-01-99	TCP-11	6260
TRAFFIC CONTROL PLAN FOR TEMPORARY CONSTRUCTION CROSSOVER (WORK DAY ONLY)		TCP-13	6262
TRAFFIC CONTROL PLANS UNEVEN PAVEMENT DETAILS		TCP-14	6263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS		TCP-15	6264
RURAL DRIVEWAYS		RD-1	6271
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS		GT-1	6272

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
STANDARD DRAWINGS (CONT'D.)			
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS		MDS-1	6290
DETAILS OF PAVED FLUMES		PF-1	6291
PIPE CULVERT INSTALLATION		PI-1	6300
CONCRETE PIPE COLLAR		PC-1	6301
JUNCTION BOX FOR PIPE CULVERTS		JB-1	6302
JUNCTION BOX FOR BOX CULVERT TO CONCRETE ARCH PIPE		JB-1A	6303
BRANCH CONNECTIONS		BC-1	6305
TYPE I MEDIAN INLET (24" PIPE AND UNDER)	3-01-02	MI-1	6306
TYPE I MEDIAN INLET (29" TO 51" PIPE)		MI-1A	6307
TYPE II MEDIAN INLET (51" PIPE AND UNDER)		MI-2	6309
MEDIAN INLETS FOR BOX CULVERTS (TYPE I AND II)		MI-3	6311
MEDIAN INLET (FLUSH WITH FORESLOPE)		MI-4	6312
MEDIAN INLET (FLUSH WITH DITCH PLUG)		MI-4A	6313
DETAILS OF GRATES FOR MEDIAN INLETS		IG-1	6314
DETAILS OF GRATES FOR GUTTER INLETS		IG-2	6315
GUTTER INLET FOR TYPE 2 CURB (OUTLET 90° TO ROADWAY)		GI-1	6316
GUTTER INLET FOR TYPE 2 CURB STORM SEWER ALONG ROADWAY		GI-1A	6317
PAVED INLET APRON AND MEDIAN DITCH PLUG		PA-1	6318
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328
FLARED END SECTION FOR CONCRETE ARCH PIPE		FE-1A	6329
BOX CULVERT STANDARD DRAWINGS (1)			
CULVERT DRAWING - EXTENSION DETAILS FOR LENGTHENING EXISTING BOX CULVERTS		ICX-1	7006
CROSS SECTIONS (62)			
US HIGHWAY 49 - SOUTHBOUND DETOUR ROAD			9001-9003
US HIGHWAY 49 - MAINLINE			9004-9054
US HIGHWAY 49 - DRAINAGE CROSS SECTIONS			9055-9062

TOTAL SHEETS 289

STEVEN A. TWEDT REGISTERED PROFESSIONAL ENGINEER 011221 4/24/14 STATE OF MISSISSIPPI

REVISION	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION **DETAILED INDEX**
DATE		PROJECT NO. SP-9999-06(016) COUNTY: FORREST FILENAME: DI.DGN DESIGN TEAM NS CHECKED DATE

WORKING NUMBER DI-3

SHEET NUMBER 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/24/2014 1:41:20:18 DI.DGN

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

GENERAL NOTES

1. THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.

2. ALL SIGNALS, PAVEMENT MARKINGS, AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)(LATEST EDITION).

3. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.

4. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

5. 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 SHALL 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.

6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE FROM OCCURRING DURING 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.

7. ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES SHALL BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC, THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.

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. UTILITIES ON THE DRAWINGS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. PERMITS ARE ON FILE WITH THE DEPARTMENT SHOWING THE APPROXIMATE LOCATION OF UTILITIES WITHIN THE RIGHT-OF-WAY. THE ENGINEER CAN NOT 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. WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE (SEE WK. NO. ECD-3)

11. LIST OF PUBLIC UTILITIES

AT & T DISTRIBUTION	(866) 484-5179
PEARL RIVER VALLEY E.P.A.	(601) 264-2458
DIXIE COMMUNITY WATER	(601) 584-0875
GULF SOUTH PIPELINE COMPANY	(601) 538-3782
PLAIN PIPELINE	(601) 787-3441
TENNESSEE GAS PIPELINE COMPANY	(713) 369-3819
WILLMUT GAS COMPANY	(601) 544-6001
INLINE	(205) 278-8119
APACHE CORPORATION	(337) 232-1702
MISSISSIPPI ONE CALL	(800) 227-6477

12. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.

13. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

14. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. 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 AT THE PRE-CONSTRUCTION CONFERENCE OR PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. ANY ADDITIONAL SILT BASINS NOT SHOWN IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL PLAN PRIOR TO SUBMITTING FOR APPROVAL.

15. 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. STRIPPING ,STOCKPILING AND PLACEMENT OF TOPSOIL WILL BE PAID UNDER PAY ITEM 211-A, "TOPSOIL FOR SLOPE TREATMENT, FROM RIGHT-OF-WAY". TOPSOIL SHALL BE DRESSED VERTICALLY WITH A BULLDOZER OR OTHER TRACKED EQUIPMENT AT TIME OF PLACEMENT.

16. TOEWALLS ARE REQUIRED AT ALL FLARED END SECTIONS.

17. ALL WORK ZONE CHANNELIZING DEVICES FOR OVERNIGHT LANE CLOSURES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 48 INCHES AND HAVE A BASE WITH A MINIMUM WEIGHT OF SIXTEEN (16) POUNDS. ALL TRANSITION TAPER AND LONGITUDINAL BUFFER SPACE CHANNELIZING DEVICES SHALL BE FREE STANDING PLASTIC DRUMS. ALL CHANNELIZING DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.

18. 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.

19. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.

20. IN ORDER TO HOLD SILTATION TO A MINIMUM, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, DITCH CHECKS, ETC.) WHEN AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR THESE ITEMS OF WORK SHALL BE MADE UNDER THE APPROPRIATE PAY ITEMS.

21. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.

22. ALL SIZES OF FLARED END SECTIONS MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE JOINTS.

23. PAVED APRONS (PA-1) REQUIRED AT ALL MEDIAN INLETS.

24. REMOVAL OF RAISED PAVEMENT MARKERS OR PAVEMENT MARKINGS IS NOT CONSIDERED A SEPARATE PAY ITEM. COST TO BE ABSORBED IN OTHER ITEMS BID.

25. TYPE "A" MEDIAN SILT BASINS WILL BE REQUIRED UPSTREAM OF EACH MEDIAN INLET LOCATED WITHIN THE CONSTRUCTION AREA (COST ABSORBED). (REF. WKG. NO. TEC-2 FOR DETAILS)

26. THE WORK ZONES FOR EXTENDED LANE CLOSURES PER WKG. NO. SDTCP-4 MAY BE A MAXIMUM LENGTH OF 7,000 FEET.

27. CONTRACTOR MAY ELECT TO USE PORTABLE MEDIAN BARRIERS IN AREAS WITH A DROP OFF GREATER THAN (3) INCHES. IF USED, INSTALLATION SHALL BE PER MDOT STANDARD DRAWINGS AND THE CURRENT MUTCD. BARRIERS SHALL BE PEDESTAL TYPE WHEN USED ON ROADWAYS WITH SPEEDS OVER 55 MPH. THESE BARRIERS WILL NOT BE MEASURED FOR SEPARATE PAYMENT AND SHALL BE INCLUDED IN THE PAY ITEM FOR MAINTENANCE OF TRAFFIC - LUMP SUM.

28. ALL ITEMS OF WORK ASSOCIATED WITH THE CONSTRUCTION ENTRANCES SHALL BE ABSORBED IN OTHER ITEMS.

29. ALL POLES, PULL BOXES AND CONTROLLERS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE TRAFFIC SIGNAL PLAN SHEETS.

30. EXTEND POLE FOUNDATIONS TO APPROXIMATELY 3 INCHES ABOVE THE SHOULDER ELEVATION OR THE TOP OF CURB ELEVATION.

31. POWER SERVICE CABLE MUST ENTER THE CONTROLLER CABINET VIA UNDERGROUND CONDUIT DIRECTLY FROM POWER COMPANY SUPPLY POINT. METER BASE, DISCONNECT POWER SERVICE PANEL AND/OR ANY REQUIRED TIMBER POLES FOR POWER SERVICE ARE COST ABSORBED, SEE STANDARD DRAWING SHEET TSD-5 FOR DETAILS.

32. CONTROLLER TIMINGS TO BE PROVIDED BY THE ENGINEER.

33. ALL TRAFFIC SIGNAL POLES SHALL BE HOT DIPPED GALVANIZED. WIND SPEED OF 120 MPH SHALL BE USED FOR DESIGN, SEE WKG. NO. TSD-6 FOR DESIGN CRITERIA.

34. ALL SIGNAL HEADS SHALL BE LED AND YELLOW IN COLOR. VISORS AND BACKPLATES SHALL BE BLACK IN COLOR. ALL HEADS SHALL BE EQUIPPED WITH BACKPLATES.

35. ALL TRAFFIC SIGNAL POLE FOUNDATIONS SHALL BE POURED USING CLASS "B" CONCRETE.

36. POWER SERVICE METER SHALL NOT BY INSTALLED ON THE CONTROLLER CABINET OR MAST ARM POLE SHAFTS. A SEPARATE MOUNTING POLE FOR THESE ITEMS IS REQUIRED AND SHALL BE INSTALLED AS CLOSE TO THE CONTROLLER CABINET AS PRACTICAL. PROPOSED LOCATION MUST BE PRE-APPROVED BY ENGINEER.

37. CONTRACTOR SHALL VERIFY ALL MAST ARM POLE LOCATIONS TO ENSURE THERE ARE NO UTILITY CONFLICTS PRIOR TO ORDERING POLES.

38. LENSES SHALL BE 12" NOMINAL DIAMETER AS SHOWN IN SECTION 722 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

39. NEW TRAFFIC POLES TO BE PLACED A MINIMUM OF 8 FEET BEHIND THE FACE OF CURB UNLESS WRITTEN PERMISSION IS AUTHORIZED BY THE ENGINEER. PLACEMENT OF NEW POLES SHALL CONFORM TO AASHTO ROADSIDE DESIGN GUIDE CLEAR ZONE STANDARDS.

40. REFER TO WKG. NO. TSD-1 FOR ADDITIONAL GENERAL NOTES REGARDING TRAFFIC SIGNAL INSTALLATION.

41. IF COLORS ARE USED ON PLAN/PROFILE SHEETS, THEY ARE INTENDED TO VISUALLY EASE THE LOCATION OF ELEMENTS FOR USERS OF THESE DRAWINGS. ALTHOUGH THE INTENT IS TO CATEGORIZE EVERYTHING AS EITHER EXISTING OR PROPOSED, IT IS THE END USER'S RESPONSIBILITY TO ENSURE ALL ELEMENTS ARE INTERPRETED CORRECTLY REGARDLESS OF COLOR.

42. EQUIPMENT SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT AND ADEQUATE ROADSIDE PROTECTION, ETC. THE CONTRACTOR SHALL STAKE EACH PROPOSED LOCATION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO REVIEW BY MDOT. THE COST OF FIELD STAKING WILL NOT BE MEASURED FOR SEPARATE PAYMENT AND SHALL BE ABSORBED UNDER OTHER ITEMS OF WORK. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PULLBOXES, AND CONDUIT WITHIN PUBLIC RIGHT-OF-WAY.

43. PAYMENT FOR FIBER OPTIC CABLE, UNDERGROUND POWER CABLE AND CONDUIT SHALL BE MEASURED BASED ON HORIZONTAL MEASUREMENTS, NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.

44. FIBER OPTIC PULLBOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL FIBER CABLE SLACK (REFER TO SP 907-657 FOR REQ'D. SLACK LENGTHS). THE ADDITIONAL CABLE SHALL BE COST ABSORBED UNDER PAY ITEM 907-657-A001 OR 907-657-B001.

45. CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED, NOT A SEPARATE PAY ITEM (COST ABSORBED).

46. ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING EQUIPMENT WILL NOT BE A SEPARATE PAY ITEM AND SHALL BE COST ABSORBED.

47. UNDERGROUND DRILLED OR JACKED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF FIVE FEET AND UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONDUIT FOR FIBER OPTIC CABLE WILL BE REQUIRED TO UTILIZE LARGE RADIUS BENDS (MINIMUM 6" RADIUS). NO ELBOW JOINTS ALLOWED.

48. THE CONTRACTOR MAY DRILL OR JACK A SINGLE SLEEVE FOR INSTALLATION OF MULTIPLE CONDUITS AT BORED CROSSINGS, RATHER THAN DRILLING OR JACKING INDIVIDUAL CONDUITS. THE INSTALLATION OF THE SLEEVE AND THE CONDUITS SHALL BE PAID FOR AT THE BID PRICE FOR UNDERGROUND CONDUIT BANK (907-668-F002 - DRILLED OR JACKED) BASED ON THE NUMBER OF CONDUITS IN THE BANK (SHOWN ON PLANS). NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR THE LARGER SLEEVE. CONTRACTOR SHALL SUBMIT SIZE AND MATERIAL DATA OF THE SLEEVE TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

49. A TRACER (AWG #10 GREEN) (STRANDED) WIRE SHALL BE INSTALLED IN ALL CONDUIT THAT CARRIES ONLY FIBER OPTIC CABLE AND SHALL BE ABSORBED UNDER PAY ITEM NO 907-657-A001 & 907-657-B001. NO SOLID TRACER WIRE WILL BE ACCEPTED.

50. FOR MAINLINE FIBER CONDUIT BANKS, ONE OR MORE (AS INDICATED ON THE PLANS) OF THE CONDUITS WILL BE FOR FUTURE USE AND SHALL INCLUDE A PULL STRING.

51. ALL SIGNAL EQUIPMENT INDICATED FOR REMOVAL AS PART OF THIS PROJECT SHALL REMAIN THE PROPERTY OF MDOT/CITY OF HATTIESBURG. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR THE DELIVERY AND STORAGE OF THIS EQUIPMENT FOR PICKUP BY STATE/CITY FORCES. THE COST FOR REMOVAL, DELIVERY AND STORAGE SHALL BE PAID UNDER PAY ITEM 646-A001 PER LUMP SUM.

52. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NO LONGER BE MAILED. ALL ADDENDA FOR THIS PROJECT WILL BE POSTED TO www.mdot.ms.gov UNDER THE PROPOSAL ADDENDA COLUMN. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT. PLEASE CONTACT CONTRACT ADMINISTRATION DIVISION AT 601-359-7700 FOR ANY QUESTIONS REGARDING ELECTRONIC ADDENDA.

53. RETAINING WALLS (CONTRACTOR DESIGNED IN ACCORDANCE WITH MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2004 EDITION SECTION 809-RETAINING WALLS) STA. 539+10 TO STA. 540+60, STA. 556+60 TO STA. 557+60, STA. 617+40 TO STA. 619+70, STA. 632+80 TO STA. 634+80, AND STA. 690+10 TO STA. 691+00 US HWY 49 SB: IT SHOULD BE NOTED THAT IF LOOSE OR SOFT SOILS ARE ENCOUNTERED NEAR ANTICIPATED SHALLOW FOUNDATION BEARING ELEVATIONS FOR ALL BEARING PADS (LEVELING PADS), THE FOUNDATIONAL SOILS SHALL BE PROOF ROLLED. ANY SOFT SOILS ENCOUNTERED SHALL BE REMEDIATED WITH UNDERCUTTING AND BACKFILLING USING COMPACTED SELECT FILL MATERIALS IN CONTROLLED LIFTS AS DIRECTED BY THE ENGINEER.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO. SP-9999-06(016)
COUNTY: FORREST

WORKING NUMBER
GN-1

FILENAME: GN.DGN
DESIGN TEAM NS CHECKED DATE

SHEET NUMBER
5

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
4/24/2014 14:10:33 GN.DGN