STATE	PROJECT NUMBER	SHEET NO.
MISS.	CM–0017–00(041)	1

GENERAL INDEX

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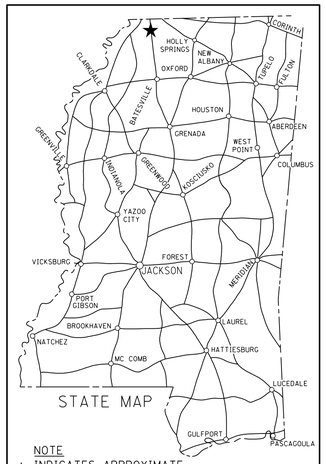
☐	PERMANENT SIGNS	1001
☐	TRAFFIC SIGNALS	2001
☒	ITS COMPONENTS	3001
☐	LIGHTING	4001
☐	(RESERVED)	5001
☒	ROADWAY STANDARD DWGS	6001
☐	BRIDGE STANDARD DWGS	7001
☐	BRIDGE	8001
☐	CROSS SECTIONS	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESOTO COUNTY ITS PROJECT
INTERSTATE 55, INTERSTATE 69, US 51, US 78, MS 302, SCENIC 304 AND STATELINE RD.
FEDERAL AID PROJECT NO. CM–0017–00(041)

FMS CONST. 106852 /301000



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 34°56'51" N LONG. 89°59'48" W
(APPROX. MIDDLE OF PROJECT)

SCALES

PLAN	1 IN.=	100 FT.
LAYOUT	1 IN.=	8000 FT.

E.O.P. LIMITS STATELINE RD.
STA. 1972+00.00
2403135.4865 N
1998122.7639 W

E.O.P. LIMITS I-55
STA. 2975+56
2395554.8694 N
1998502.6446 W

B.O.P. LIMITS STATELINE RD.
STA. 1847+90.00
2390732.4982 N
1998028.8209 W

B.O.P. LIMITS U.S. HWY 78
STA. 3392+80.00
2433864.5020 N
1997409.9201 W

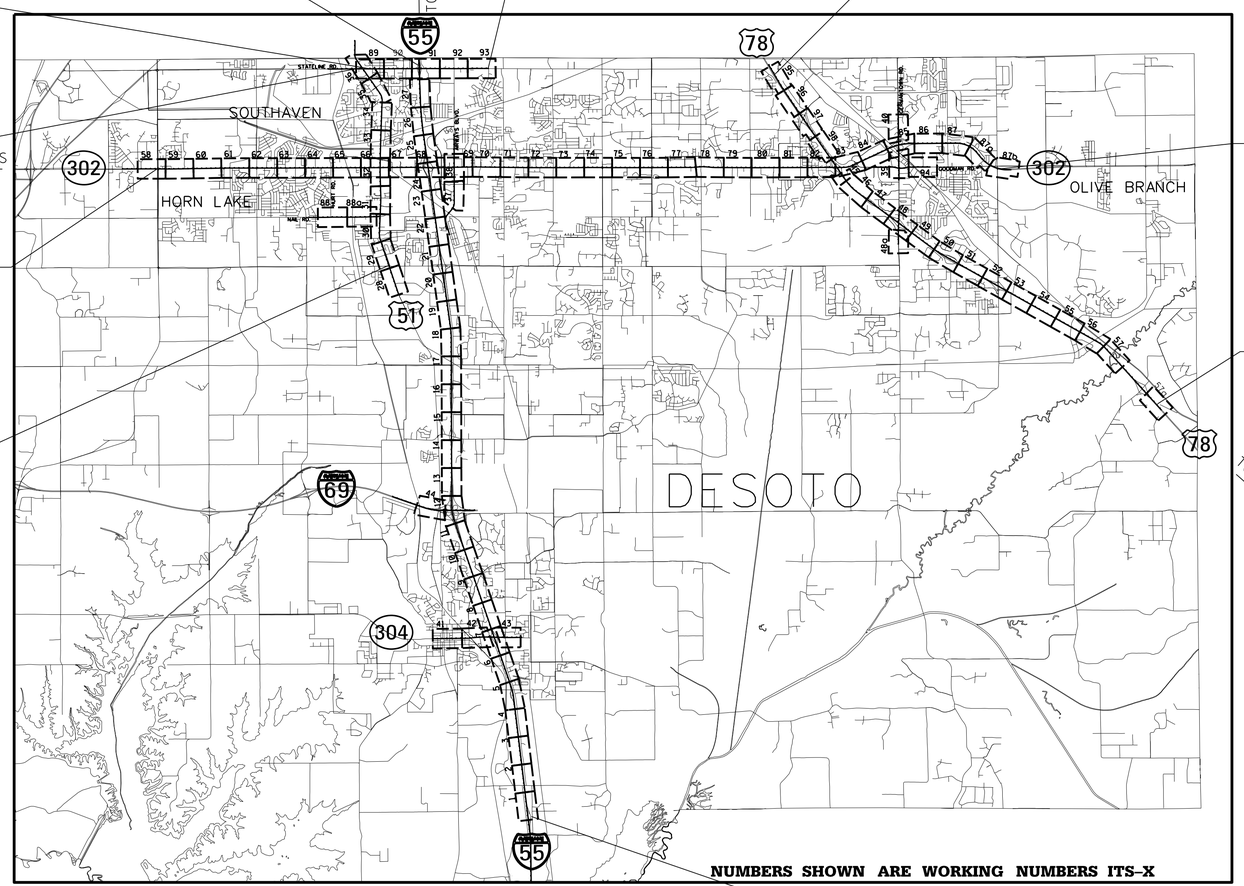
E.O.P. LIMITS U.S. HWY 51
STA. 1753+60.00
2389521.7574 N
1998192.1330 W

E.O.P. LIMITS MS 302
STA. 1454+21.00
2457801.8854 N
1987301.9175 W

B.O.P LIMITS MS 302
STA. 536+64.00
2367491.8923 N
1987277.0877 W

E.O.P. LIMITS U.S. HWY 78
STA. 3944+58.21
2475092.9933 N
1962082.3910 W

B.O.P LIMITS U.S. HWY 51
STA. 1533+10.00
2392393.6355 N
1976925.2935 W



NUMBERS SHOWN ARE WORKING NUMBERS ITS–X

B.O.P. LIMITS I-55
STA. 2153+43
2407780.6497 N
1917718.8113 W

LENGTH OF PROJECT (GROSS) 208,429.99 FT. 39.48 MI.

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	S
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: _____

MARK H. WASHING
LICENSED PROFESSIONAL ENGINEER
18545
STATE OF MISSISSIPPI

DATE: 06/29/15
ELECTRICAL ONLY

DATE: 06/29/15

P S & E DATE: 06/29/15

APPROVED:

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR

REVISIONS | BY | DATE

MDOT
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/29/2015 17:06:08 LE.DGN

1st O.REV.

STATE	PROJECT NO.
MISS.	CM-0017-00(041)

DETAILED INDEX

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△1 SUMMARY OF QUANTITIES (6)		SQ-1 TO SQ-5A	5-9A
△1 ESTIMATED QUANTITIES (8)		EQ-1 TO EQ-7A	10-16A
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TOTAL SHEETS			**(202)** △1

MARK H. WASHINGTON LICENSED PROFESSIONAL ENGINEER 18545 STATE OF MISSISSIPPI

DATE: 09/21/15

ELECTRICAL ONLY

DATE: 09/21/15

GRESHAM SMITH AND PARTNERS MS, P.C.

PS & E PLANS-DATE 06/29/15

FMS CON. # 106852 /301000

REVISIONS

DATE	SHEET NO.	BY
9/21/15	2, 5-16A, 3012, 3024,	
	3026-3027, 3032,	
	3057A, 3062, 3083,	
	3129, 3131A-D, 3133,	
	3135, 3137, 3140	TCS

DATE	REVISION	BY
9/21/15	REVISED & ADDED SHEETS AND NOS.	TTG △1

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. CM-0017-00(041)

DESOTO COUNTY

FILENAME: DI-01.DGN

DESIGN TEAM GSP CHECKED DATE

WORKING NUMBER DI-1

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/21/2015 1:48:52 DI-01.DGN

FMS CON: 106852 /301000

STATE	PROJECT NO.
MISS.	CM-0017-00(041)

I.T.S. LEGEND

	EXISTING	PROPOSED
CABLE - COMM.	C C	C C
CABLE - ELEC. (OVERHEAD)	E E	E E
CABLE - ELEC. (U/G IN COND.)	E E	E E
LABEL FOR CABLE AND CONDUIT TYPES	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]
PULL BOX - COMM.		
PULL BOX - ELEC.	PB	PB
PULL BOX - SURFACE MOUNTED	SPI	SPI
LABEL FOR PULL BOX TYPE	X	X
DEMARC. PT. (POWER ONLY)	IOI	IOI
TRANSFORMER	TR	TR
COMMUNICATIONS HUT	CH	CH
COMMUNICATIONS VAULT	V	V
TRAFFIC SIGNAL CABINET	TSC	TSC
CABINET (ALL OTHER TYPES)	C	C
CLOSED-CIRCUIT TELEVISION (CCTV)(ALL TYPES)	CCTV	CCTV
DYNAMIC MESSAGE SIGN (DMS) (OVERHEAD)	DMS	DMS
DMS (ROADSIDE) (TYPE 2 OR 3 AS INDICATED)	DMS	DMS
TRAVEL TIME SIGN (ROADSIDE)	TTS	TTS

	EXISTING	PROPOSED
RADAR DETECTOR SYSTEM (RDS) (HARD-WIRED)	RDS	RDS
BLUETOOTH DETECTOR SYSTEM (BDS)(HARD-WIRED)	BDS	BDS
KIOSK		
WIRELESS RADIO		
WIRELESS TRANSMISSION TOWER / ANTENNA	ANTENNA	ANTENNA
LABEL FOR DEVICE DESCRIPTIONS AND LOCATIONS	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]
GUARD RAIL		
SIGN STRUCTURE (OVERHEAD)		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ITS LEGEND

PROJECT NO. CM-0017-00(041)
DESOTO COUNTY

FILENAME: LEG-1.DGN
DESIGN TEAM GSP CHECKED DATE

WORKING NUMBER LEG-1
SHEET NUMBER 3

REVISION BY DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/29/2015 16:33:15 LEG-1.DGN

STATE	PROJECT NO.
MISS.	CM-0017-00(041)

GENERAL NOTES

1. CLEARING AND GRUBBING, WHERE REQUIRED BY THE PROJECT ENGINEER TO COMPLETE THE EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN CONFORMANCE WITH SECTION 201 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.

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

3. UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS OWN INDEPENDENT INVESTIGATIONS, INCLUDING SUBSURFACE INVESTIGATIONS AS MAY BE NECESSARY TO LOCATE UTILITIES WITHIN PROJECT WORK LIMITS. IN ADDITION, CONTRACTOR SHALL NOTIFY THE MDOT PROJECT ENGINEER AT LEAST TWO WEEKS IN ADVANCE OF WORK AT EACH SITE SO THAT MDOT UTILITIES (E.G., LIGHTING CONDUIT) CAN BE FIELD LOCATED.

4. EQUIPMENT SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT SHALL BE FIELD STAKED BY THE CONTRACTOR AND APPROVED BY MDOT TO VERIFY PROPER PLACEMENT. CONTRACTOR TO 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, BUT WILL BE ABSORBED UNDER OTHER ITEMS. CONTRACTOR TO INSTALL ALL EQUIPMENT WITHIN PUBLIC RIGHT–OF WAY.

5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES (E.G., PIPES, INLETS, APRONS, BRIDGES, ETC.) FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR (AS DIRECTED BY THE ENGINEER) ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT SHALL BE MADE FOR REPLACEMENT OF DAMAGED ITEMS.

6. ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (TO INCLUDE GRASSING AND SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SOD, SIDEWALK, ASPHALT AND CONCRETE, AND BACKFILL ARE COST ABSORBED AND CONSIDERED PART OF THE COST OF THE WORK.

7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PAVED SHOULDER (ASPHALT OR CONCRETE) WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH SECTION 403, 410, AND 501 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.

8. WORK ON STRUCTURES FOR THIS PROJECT 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 PERSONS WORKING NEAR THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING AND CONSTRUCTING THE SUPPORT SYSTEM SHALL BE INCLUDED IN THE BID FOR CONTRACT ITEMS.

9. THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.

10. ALL CENTERLINES SHOWN ON THESE PLANS ARE FOR GRAPHICAL REFERENCE PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.

11. THE CONTRACTOR IS CAUTIONED THAT THERE MAY BE ACTIVE CONSTRUCTION PROJECTS IN THE AREA. IF SO, COORDINATION WILL BE REQUIRED WITH THE ADJOINING CONTRACTOR THROUGH THE ENGINEER TO AVOID CONFLICTS IN MAINTAINING TRAFFIC AND SIGNING. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

12. ALL POST LENGTHS FOR SIGNS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.

13. CONDUIT FOR POWER SUPPLY MAY BE IN RUN WITH THE SAME TRENCH (CONDUIT BANK) AS FIBER LINES, THOUGH SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED.

14. PAYMENT FOR FIBER OPTIC CABLE, RDS COMM CABLE, CAT–6 CABLE, UNDERGROUND POWER CABLE AND CONDUIT SHALL BE BASED ON HORIZONTAL MEASUREMENTS, WITH NO ADDITIONAL PAYMENT FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.

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

GENERAL NOTES (CONT'D)

16. ALL FIBER OPTIC PULLBOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL CABLE SLACK. SEE THE TYPICAL CABLE COIL INSTALLATION GUIDE IN THE FIBER OPTIC DETAIL SHEETS, THE SPECIFICATIONS, AND THE SPECIAL PROVISIONS FOR DETAILS. THE ADDITIONAL CABLE WILL BE COST ABSORBED UNDER APPROPRIATE PAY ITEMS.

17. ALL CONDUITS TO BE SEALED WITH DUCT PLUG TO PREVENT WATER INTRUSION ONCE CABLE IS INSTALLED. COST TO BE ABSORBED IN CONDUIT PAY ITEMS.

18. ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING EQUIPMENT SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE ABSORBED UNDER ITEM NOS. 907–657–A OR 907–657–B.

19. BETWEEN STA. 661+00 AND STA.1091+00 FIBER OPTIC UNDERGROUND JACKED (BORED) CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF TEN FEET BELOW THE BOTTOM OF THE MEDIAN DITCH. FIBER OPTIC UNDERGROUND JACKED (BORED) CONDUIT SHALL OTHERWISE BE INSTALLED AT A MINIMUM DEPTH OF FIVE FEET. FIBER OPTIC UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONDUIT FOR FIBER OPTIC CABLE REQUIRED TO UTILIZE MINIMUM 6" RADIUS BENDS. NO ELBOW JOINTS ALLOWED.

20. A TRACER WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES FIBER OPTIC AND/OR COMMUNICATION CABLE, COST TO BE ABSORBED. CONDUIT THAT CARRIES FIBER OPTIC CABLE SHALL CONTAIN AN AWG #10 ORANGE TRACER WIRE, COST SHALL BE ABSORBED UNDER PAY ITEM NO. 907–657–A OR 907–657–B.

21. WHERE THE CONTRACTOR ENCOUNTERS PAVED DITCHES IN ROUTING OF CONDUIT, HE MAY TRENCH AND REPLACE DITCH OR JACK UNDER DITCH. THIS IS NOT A SEPARATE PAY ITEM. DAMAGE TO PAVED DITCHES (AND/OR OTHER STRUCTURES) CAUSED BY CONTRACTOR DURING THIS PROJECT SHALL BE REPAIRED (AS DIRECTED BY THE ENGINEER) AT NO COST TO THE STATE.

22. REEL–END SPLICE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND SHALL NOT OCCUR MORE OFTEN THAN EVERY 10,000 FEET. REEL–END SPLICES SHALL BE MADE IN A TYPE 5 PULLBOX AND SHALL UTILIZE A TYPE 5 PULL BOX ALREADY SHOWN ON THE PLANS, UNLESS OTHER LOCATIONS ARE APPROVED BY THE ENGINEER.

23. UNLESS CALLED OUT AND QUANTIFIED IN PLANS, ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.

24. CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT AND CITY OFFICIALS, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICES. IF ELECTRICAL SERVICE REQUIRES SERVICE METER TO BE INSTALLED, CONTRACTOR TO CONTACT THE ELECTRIC UTILITY OWNER. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS OR WOOD POLES TO PROVIDE POWER SERVICE TO BE COST ABSORBED. CONTRACTOR SHALL ESTABLISH POWER SERVICE IN HIS OR HER NAME UTILIZING HIS OR HER BILLING ADDRESS, AND SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE.

25. THE CONTRACTOR MAY JACK OR BORE A SINGLE SLEEVE FOR INSTALLATION OF MULTIPLE CONDUITS AT A ROADWAY CROSSING, RATHER THAN JACKING OR BORING INDIVIDUAL CONDUITS. THE INSTALLATION OF THE SLEEVE AND THE FIRST CONDUIT SHALL BE PAID FOR AT THE BID PRICE FOR UNDERGROUND CONDUIT (DRILLED OR JACKED). ADDITIONAL CONDUITS PLACED IN THE SLEEVE SHALL BE PAID FOR AT THE BID PRICE FOR REGULAR UNDERGROUND CONDUIT. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR LARGER SLEEVE. CONTRACTOR SHALL SUBMIT SIZE OF SLEEVE AND MATERIALS DATA TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

26. FOR EROSION CONTROL NOTES SEE EC–1.

27. POLE FOUNDATIONS SHALL NOT EXCEED THREE (3) INCHES ABOVE FINISHED GRADE.

28. ALL ABOVE GROUND CONDUIT SHALL BE TYPE 1 RIGID METAL. PVC SHALL NOT BE ALLOWED ABOVE GROUND.

29. ETHERNET READY SIGNAL CONTROLLERS SHALL INCLUDE SEPAC 3.54 OR LATER NTCIP FIRMWARE, SHALL INCLUDE THE FYA DELAY FEATURE, AND MUST BE 100% COMPATIBLE WITH EXISTING MDOT SIGNAL SYSTEMS HARDWARE/SOFTWARE.

30. ALL ADDENDA TO THESE PLANS WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.

UTILITIES

ATMOS ENERGY – GAS	1–888–286–6700
CENTERPOINT ENERGY – GAS	1–888–371–9417
HORN LAKE UTILITIES – WATER /SEWER /TRAFFIC	1–662–393–0249
OLIVE BRANCH PUBLIC UTILITIES – WATER /SEWER /TRAFFIC	1–662–892–9305
SOUTHAVEN UTILITIES DIVISION – WATER /SEWER /TRAFFIC	1–662–393–7353
AT&T – TELECOM	1–877–827–1261
COMCAST – TELECOM	1–888–303–5790
ENTERGY – ELECTRIC	1–662–342–6968
MEMPHIS LIGHT, GAS & WATER	1–901–397–3300
NORTH CENTRAL ELECTRIC – ELECTRIC	1–662–845–2157
MDOT– TRAFFIC, ROADWAY LIGHTING	

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO. CM-0017-00(041)
DESOTO COUNTY

WORKING NUMBER GN-1

SHEET NUMBER 4

FILENAME: GN-01.DGN
DESIGN TEAM GSP CHECKED DATE

PLAN
ROADWAY PLAN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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