PROJECT NUMBER

IM-0059-01(125) & IM-0059-01(126)

STATE MAP

INDICATES APPROXIMATE

NATIONWIDE (OTHER)\*

INDIVIDUAL (404)\*

**GENERAL\*** 

DESIGN CONTROL

PERMITS ACQUIRED BY MDOT

STORMWATER PERMIT

REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)

NO STORMWATER PERMIT REQUIRED (<1 ACRE)

## **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
BOX CULVERT STD. DRAWINGS (LRFD)	7001
BOX CULVERT STD. DRAWINGS (STD. S	PEC.)7501
BRIDGE	8001

BOX BRIDGES REQ'D.

## STATE OF MISSISSIPPI

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. IM-0059-01(125) & IM-0059-01(126)

1 IN. = 6000 FT.

I-59 FROM US 98 E. BYPASS TO FORREST/LAMAR CL

FORREST & LAMAR COUNTIES

FMS CON. NO. 107825/301000

107825/ 302000

BRIDGE STRUCTURES REQ'D.

CROSS SECTIONS ......9001

1073 + 00.00 B.O.P.

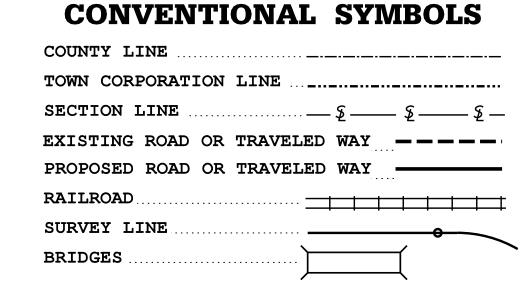
LENGTH

LENGTH

LENGTH LENGTH

LENGTH

261 + 87.85 E.O.P.



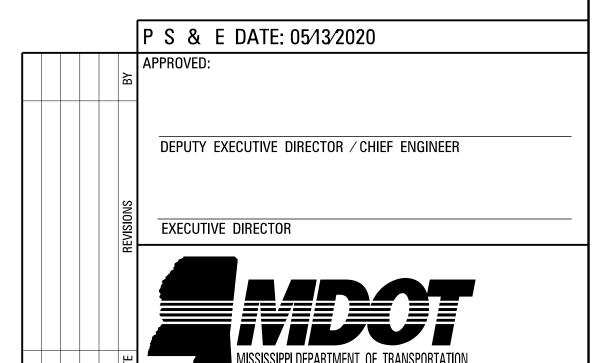
## **EQUATIONS**

1122 + 98.220 BK = 1123 + 00.000 AH -1.781214 + 92.369 BK = 11 + 03.946 AH + 120,388.42342 + 84.721 BK = 43 + 02.412 AH

# LENGTH DATA

OF ROADWAY	39,105.2 FT.	7.41 MI.
OF BRIDGES	205.0 FT	0.04 MI.
OF PROJECT (NET)		7.45 MI.
OF EXCEPTIONS	FT	MI.
OF PROJECT (GROSS)		7.45 MI.

## **EXCEPTIONS**



SH. NO.

WKG. NO. STATE PROJECT NO.

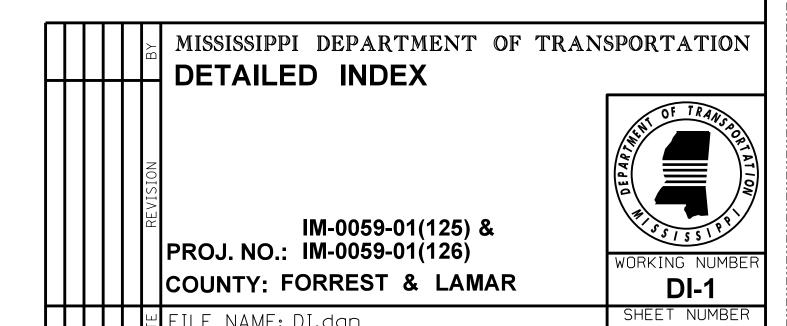
MISS. IM-0059-01(125) & IM-0059-01(126)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAIL INDEX AND GENERAL NOTES (2)		
DETAIL INDEX	DI-1	2
GENERAL NOTES	GN-1	3
TYPICAL SECTIONS (10)	TC 1	4
TYPICAL SECTION - LT & RT LANES OF I-59  TYPICAL SECTION - LT & RT LANES OF I-59 WITH CABLE BARRIER  TYPICAL SECTION - STA 163: FØ TO STA 203: ØØ (DT LANE)	TS-1 TS-2	5
TYPICAL SECTION - STA 162+50 TO STA 202+00 (RT LANE)  TYPICAL SECTION - INTERCHANCE DAMPS (L.59/US98 HARDY ST)	TS-3 TS-4	6 7
TYPICAL SECTION - INTERCHANGE RAMPS (I-59/US98 HARDY ST) TYPICAL SECTION - INTERCHANGE RAMPS (US-11/VETERANS MEMORIAL) TYPICAL SECTION - CD ROAD (I-59/US98 HARDY ST.)	TS-5 TS-6 TS-7	8 9 10
TYPICAL SECTION - PAVING DETAILS	TS-8 TS-9	11 12
TYPICAL SECTION - PAVING DETAILS AT RAMPS  TYPICAL SECTION - ROADSIDE CLEAR ZONES	TS-1Ø	13
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SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES	SQ-1 SQ-2	14 15
SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES	SQ-3 SQ-4	16 17
SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES	SQ-5 SQ-6	18
ESTIMATED QUANTITIES - GUARD RAIL REMOVAL  ESTIMATED QUANTITIES - GUARDRAIL REQUIRED - FORREST COUNTY	EQ-1 EQ-2	20 21
ESTIMATED QUANTITIES - GUARDRAIL REQUIRED - LAMAR COUNTY  ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS - FORREST COUNTY	EQ-3 TCP-EQ1	22
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS - LAMAR COUNTY	TCP-EQ2	24
PLAN & PROFILE SHEETS (20)		
STA. 1073+00.00 (B.O.P.) TO STA. 1100+00.00 STA. 1100+00.00 TO STA. 1130+00.00	WK3 WK4	25 26
STA.1130+00.00 TO STA.1158+00+00.00 US-11 NW & SW RAMPS	WK5 WK5A	27 28
US-11 NE & SE RAMPS STA. 1158+00.00 TO STA. 1188+00.00	WK5B WK6	29 3Ø
STA. 1188+00.00 TO STA. 15+00.00 STA. 15+00.00 TO STA. 45+00.00	WK7 WK8	31 32
STA. 45+00.00 TO STA. 75+00.00 STA. 75+00.00 TO STA. 105+00.00	WK9 WK1Ø	33 34
STA. 105+00.00 TO STA. 135+00.00 STA. 135+00.00 TO STA. 165+00.00	WK11 WK12	35 36
STA.165+00.00 TO STA.195+00.00 HARDY ST SE RAMP, SE LOOP, & CD ROAD	WK13 WK13A	37 38
HARDY ST NE RAMP, NE LOOP, & CD ROAD HARDY ST SW RAMP	WK13B WK13C	39 4Ø
HARDY ST NW RAMP STA. 195+00.00 TO STA. 225+00.00	WK13D WK14	41
STA. 225+00.00 TO STA. 255+00.00 STA. 255+00.00 TO STA. 261+87.85 (EOP)	WK15 WK16	43
SPECIAL DESIGN SHEETS (24)		
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TRAFFIC CONTROL PLAN - DETAILS FOR CONSTRUCTION SIGNING  MILLING TRANSITIONS - LT. & RT. LANES @ RICHBURG ROAD OVERPASS	DCS-3 RD-1	47
MILLING TRANSITIONS - LT. LANE @ LONGLEAF TRACE OVERPASS  BRIDGE PROTECTION DETAILS - US 11 NORTHBOUND LANE - OUTSIDE	RD-2 BPD-1	49 5Ø
BRIDGE PROTECTION DETAILS - US 11 SOUTHBOUND LANE - OUTSIDE  BRIDGE PROTECTION DETAILS - RICHBURG ROAD - NORTHBOUND LANE	BPD-2 BPD-3	51 52
BRIDGE PROTECTION DETAILS - RICHBURG ROAD - SOUTHBOUND LANE BRIDGE PROTECTION DETAILS - HARDY STREET - MEDIAN	BPD-4 BPD-5	53 54
BRIDGE PROTECTION DETAILS - HARDY STREET - RT. OF CD ROAD  BRIDGE PROTECTION DETAILS - NB LANE AT 4TH STR. & LONGLEAF TRACE - OUTSIDE	BPD-6 BPD-7	55 56
BRIDGE PROTECTION DETAILS - SB LANE AT 4TH STR. & LONGLEAF TRACE - OUTSIDE	BPD-8	57

DDIDGE DDGTEGTION DETAILS - MEDIAN AT ATH STD A LONG EAS TO SS		
BRIDGE PROTECTION DETAILS - MEDIAN AT 4TH STR. & LONGLEAF TRACE	BPD-9	58
BRIDGE PROTECTION DETAILS - MEDIAN AT 4TH STR. & LONGLEAF TRACE	BPD-1Ø	59
CONCRETE PUNCH-OUTS	CPO-1	60
DETAIL OF EXISTING 9" REINF. CONCRETE PAVEMENT REPAIR	PR-1	61
DETAIL OF EXISTING REINF. CONCRETE PAVEMENT JOINT REPAIR	PR-2	62
ANE CLOSURE DETAILS FOR FULL DEPTH CONCRETE PAVEMENT REPAIR	LCD-1	63
BRIDGE END PAVEMENT REPAIR - NORTHBOUND LANE @ BRIDGE OVER RAILROAD	BEPR-1	64
PAVEMENT MARKING DETAILS - HARDY STREET INTERCHANGE	PMD-1	65
PAVEMENT MARKING DETAILS - HARDY STREET INTERCHANGE	PMD-2	66
PAVEMENT MARKING DETAILS - HARDY STREET INTERCHANGE	PMD-3	67
PAVEMENT MARKING DETAILS - HARDY STREET INTERCHANGE	PMD-4	68
STANDARD DRAWINGS (30)		
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS	PM-1	6Ø51
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS (PARALLEL AND TAPER)	PM-3	6Ø53
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS (PARALLEL AND TAPERS)	PM-4	6054
PAVEMENT MARKING LEGEND DETAILS	PM-6	6056
RUMBLE STRIP DETAIL FOR OGFC OR CONCRETE ROADWAY WITH ASPHALT SHOULDERS	RS-3	6066
GUARDRAIL: "W" BEAM (STEEL POSTS)	GR-1B	6203
GUARDRAIL: BRIDGE END SECTION-TYPE A & C	GR-2	6204
GUARDRAIL: BRIDGE END SECTION-TYPE H (STEEL POSTS)	GR-2D	62Ø8
GUARDRAIL: BRIDGE END SECTION-TYPE I (STEEL POSTS) (NEW CONSTRUCTION)	GR-2G	6211
GUARDRAIL: TYPE 1 CABLE ANCHORAGE (FOUNDATION TUBE)	GR-3	6212
GUARDRAIL: TYPE 1 CABLE ANCHORAGE (CONCRETE FOOTING)	GR-3A	6213
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	GR-4	6214
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS	GR-4B	6216
GUARDRAIL: RUB RAIL HARDWARE	GR-RR	6218
GUARDRAIL: MISCELLANEOUS HARDWARE	GR-HW	6221
CONCRETE MEDIAN BARRIER (PRECAST) (32")	CMB-3	6226
4'-6" PIER PROTECTION DETAILS (1 OF 3)	PPD-B1	6231
4'-6" PIER PROTECTION DETAILS (2 OF 3)	PPD-B2	6232
4'-6" PIER PROTECTION DETAILS (3 OF 3)	PPD-B3	6233
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SN-8	6314
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SIGNING DETAILS FOR BRIDGE APPROACHES	SN-9	6318
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH	TCP-4	6354
(INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)		
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR OUTSIDE	TCP-5	6355
LANE CLOSURE)(WORK DAY ONLY) SHORT DURATION CLOSING OF DIVIDED HIGHWAYS	TOD 7	<u> </u>
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-7	6357
	TCP-8 TCP-10	6358 636 <i>0</i>
DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMPS TRAFFIC CONTROL PLANS FOR UNEVEN PAVEMENT DETAILS		636Ø 6362
THAT IS SOMETHING FOR SHEPER PARENTE	TCP-12	
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-13 TCP-16	6363 6366
TRAFFIC CONTROL DETAILS DROW FLACEMENT AND SHOULDER CLOSURE	1 CF - 16	0300
TOTAL NUMBER OF SHEETS (98)		

DESCRIPTION OF SHEET

PS & E PLANS-DATE 05/13/2020			
FMS CON.	FMS CON. # 107825/301000 & 302000		
	REVISIONS		
DATE	SHEET NO.	BY	
6/17/2020	8, 14-15, 18-22, & 30	KRS	



⊭ FILE NAME: <u>DI.dgn</u>

DESIGN TEAM <u>SIXTH</u> CHECKED

ROADWAY DESIGN DIVISION SSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	IM-0059-01(125) & IM-0059-01(126)

GENERAL NOTES

- 1. THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLAN ARE APPROXIMATE AND MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
- 2. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION. (NOT A SEPARATE PAY ITEM)
- 3. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS AND STRAIGHTNESS.
- 4. PRIOR TO PLACEMENT OF THE ASPHALT, ALL RAISED PAVEMENT MARKERS THROUGHOUT THE PROJECT SHALL BE REMOVED, PATCH SPALLING AT TRANSVERSE AND LONGITUDINAL PAVEMENT JOINTS, AND CLIP BULGING ASPHALT AT PAVEMENT JOINTS (COST ABSORBED).
- 5. THE CONTRACTOR SHALL PROVIDE 2 PORTABLE R16-3 SIGNS REQUIRED BY THE STANDARD DRAWINGS FOR LANE CLOSURES (THE COST IS TO BE INCLUDED IN THE PRICE BID FOR PAY ITEM NO. 618-AØØ1, MAINTENANCE OF TRAFFIC).
- 6. CONES SHALL BE NARROW PROFILE WITH A MINIMUM HEIGHT OF 28 INCHES AND A MINIMUM WEIGHT OF TEN (10) POUNDS. CONES 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.
- 7. WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE (NOT A SEPARATE PAY ITEM).
- 8. 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 STRUCTURES.
- 9. 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.
- 10. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHOULD COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- 11. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- 12. 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.
- 13. 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.
- 14. ALL GUARDRAIL IS TO BE PAVED UNDER UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.
- 15. REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.
- 16. ALL WORK REQUIRING A LANE CLOSURE SHALL BE RESTRICTED TO SUNDAY THROUGH THURSDAY BETWEEN THE HOURS OF 7:00 PM AND 5:00 AM. CHANGES OR VARIANCES FROM THESE RESTRICTIONS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND WRITTEN APPROVAL. A LANE RENTAL FEE OF \$1,500.00 PER FULL OR PARTIAL 5 MINUTES SHALL BE ASSESSED FOR CLOSURES OR OBSTRUCTIONS THAT EXTEND BEYOND THE TIMES MENTIONED ABOVE. NO EXPOSED SIGNS SHALL BE VIEWABLE TO THE TRAVELING PUBLIC PRIOR TO OR AFTER THE ABOVE-MENTIONED TIMES. NO PART OF A CLOSURE, INCLUDING DRUMS OR CONES, SHALL BE IN THE ROADWAY PRIOR TO OR AFTER THE ABOVE-MENTIONED TIMES. WORK REQUIRING A SHOULDER OR LANE CLOSURE SHALL BEGIN WITHIN ONE (1) HOUR OF THE COMPLETION OF THE CLOSURE SETUP. LANE CLOSURES WILL BE ALLOWED ONLY AT TIMES WHEN WORK REQUIRING A LANE CLOSURE IS UNDERWAY. FAILURE TO BEGIN WORKING WITHIN THIS 1-HOUR PERIOD WILL RESULT IN THE CONTRACTOR BEING ASSESSED A LANE RENTAL FEE OF \$1,500.00 FOR EACH FULL OR PARTIAL FIVE-MINUTE PERIOD UNTIL WORK HAS BEGUN.
- 17. 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.
- 18. 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.
- 19. STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURE.
- 20. FOR TYPICAL MILLING & OVERLAY OPERATIONS, MILLED SURFACES IN THE ROADWAY LANES MUST BE OVERLAYED AND TEMPORARILY STRIPED THE SAME DAY/NIGHT THEY ARE MILLED. TRAFFIC SHALL NOT BE ALLOWED TO TRAVEL ON A MILLED SURFACE, UNLESS DIRECTED OTHERWISE BY THE PROJECT ENGINEER. FOR THE SPECIAL UNDERCLEARANCE MILLING REQUIREMENTS AT BRIDGE OVERPASSES AS SHOWN ON WK. SHT. RD-1 AND RD-2, TRAFFIC WILL BE ALLOWED TO TRAVEL ON A MILLED SURFACE FOR A MAXIMUM PERIOD OF 24 HOURS. TEMPORARY STRIPE MUST BE APPLIED BEFORE ALLOWING TRAFFIC TO TRAVEL ON THE MILLED SURFACE.
- 21. THE CONTRACTOR SHALL PROVIDE A VARIABLE MESSAGE BOARD (THE COST IS TO BE INCLUDED IN THE PRICE BID FOR PAY ITEM NO. 618-AØØ1, MAINTENANCE OF TRAFFIC). A VARIABLE MESSAGE BOARD SHALL BE PLACED 2 MILES IN ADVANCE OF EACH LANE CLOSURE.

IM-0059-01(125) & PROJ. NO.: IM-0059-01(126) COUNTY: FORREST & LAMAR

FILE NAME: GENERAL NOTES.dgn
DESIGN TEAM DISTRICT CHECKED DATE 5/12/2020

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

WORKING NUMBER

GN-1

SHEET NUMBER

3