

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	STP-0029-02(018)	1

**GENERAL INDEX**

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" type="checkbox"/> PERMANENT SIGNS .....	1001
<input checked="" type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input checked="" type="checkbox"/> ITS COMPONENTS .....	3001
<input type="checkbox"/> LIGHTING .....	4001
<input type="checkbox"/> (RESERVED) .....	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input checked="" type="checkbox"/> BRIDGE STANDARD DWGS .....	7001
<input type="checkbox"/> BRIDGE .....	8001
<input checked="" type="checkbox"/> CROSS SECTIONS .....	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. STP-0029-02(018)

PAVING PLANS  
1269 FROM SR 305 TO EAST OF MACON RD.  
DESOTO & MARSHALL CO.

FMS 102556/306000 & 307000

STA. 498+65.248 BEGINNING OF PROJECT

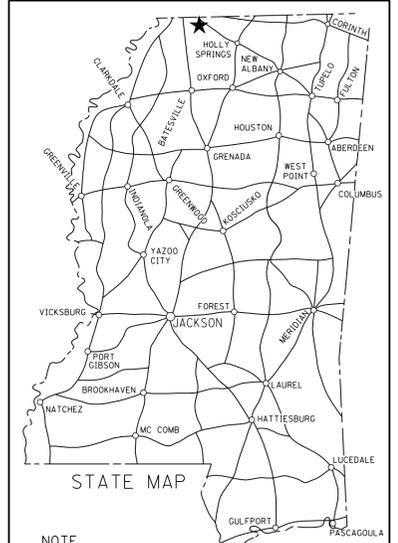
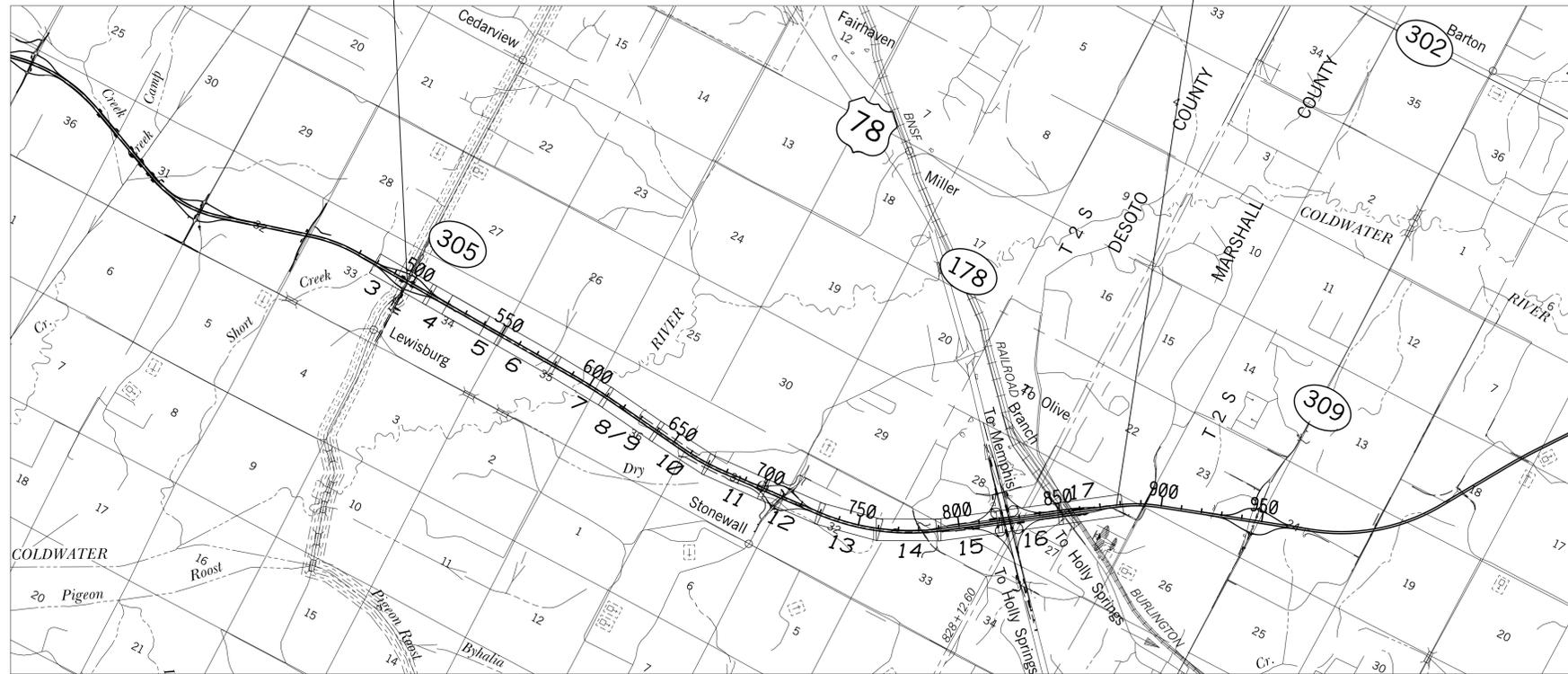
STA. 878+00

**SCALES**

PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 4000 FT.

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.



NOTE  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 34°46'08.9"N LONG. 83°53'03.7"W  
(APPROX. MIDDLE OF PROJECT)

**DESIGN CONTROL**

70 MPH = V (SPEED DESIGN)

ADT (2017) = 28000 ; ADT (2037) = 46000  
DHV = 4600 ; D = 60 % T = 22 %

**PERMITS ACQUIRED BY MDOT**

	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

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

**STORMWATER PERMIT**

Y	REQUIRED, SCNOI 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: \_\_\_\_\_

**ACCESS CONTROL**

- Access to and exit from this highway will be permitted only through interchange or such other points as may be established by public authority and as shown on the plans.
- This project is declared by the Transportation Commission to be a Type 1 Controlled Access Facility, as defined in and subject to all restrictions shown by order of said Commission adopted on the 13th day of May, 2008 in minute book 13, page 179 and 180 and authorized under section 65-1-10(i) MCA (1972, as amended).

**GPS CONTROL NOTES**

HORIZONTAL DATUM: NAD 83/86 MS WEST ZONE (US SURVEY FEET)

HORIZONTAL MONUMENT	NORTH	EAST
GPS 59	1992864.650	2459753.146
GPS0303	2008975.561	2359059.268
HOLLY	1930592.975	2540555.798
OLIVE	1994498.545	2459744.241

VERTICAL DATUM: NAVD 88 (US SURVEY FEET)

VERTICAL MONUMENT	ELEVATION
78V 118	335.39
78V 119	403.38
72V 38	399.65
72V 39	416.19
Crenshaw 2 Az	417.73

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	0.999997911
GRID TO GEODETIC AZIMUTH	0°23'28.67629"

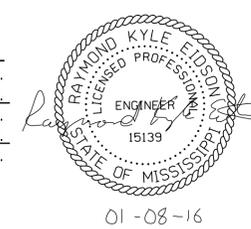
**EQUATIONS**

STA. 540+00 BK. = STA. 539+52.049 AH. (+47.951')  
STA. 613+05.431 BK. = STA. 613+05.707 AH. (-0.276')

**LENGTH DATA** MEASURED ALONG RT. LN.

	DESOTO COUNTY	MARSHALL COUNTY	JOB TOTALS
LENGTH OF ROADWAY	28358.410 FT. 5.371 MI.	3445.546 FT. 0.652 MI.	31803.956 FT. 6.023 MI.
LENGTH OF BRIDGES	4601.057 FT. 0.871 MI.	1577.414 FT. 0.299 MI.	6178.471 FT. 1.170 MI.
LENGTH OF PROJECT (NET)	6.242 MI.	0.951 MI.	7.193 MI.
LENGTH OF EXCEPTIONS	0 FT. 0 MI.	0 FT. 0 MI.	0 FT. 0 MI.
LENGTH OF PROJECT (GROSS)	6.242 MI.	0.951 MI.	7.193 MI.

**EXCEPTIONS**



P S & E DATE: 01/08/16

APPROVED: \_\_\_\_\_

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR

**MDOT**  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	STP-0029-02(018)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>TITLE SHEET (1)</u>	1	1	<u>PLAN &amp; PROFILE SHEETS (CONTINUED)</u>		
<u>DETAIL INDEX &amp; GENERAL NOTES (8)</u>			MAIN FACILITY - STA. 820+00 - STA. 850+00	16	62
DETAILED INDEX	DI-1	2	LAYOUT OF INTERCHANGE AT U.S. HWY 78	16-A	63
DETAILED INDEX	DI-2	3	LAYOUT OF INTERCHANGE AT U.S. HWY 78	16-B	64
DETAILED INDEX	DI-3	4	NORTH WEST LOOP AT U.S. HWY 78	16-C	65
DETAILED INDEX	DI-4	5	NORTH WEST RAMP AT U.S. HWY 78	16-D	66
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GENERAL NOTES	GN-2	8	SOUTH WEST RAMP AT U.S. HWY 78	16-G	69
GENERAL NOTES (ITS)	GN-ITS	9	SOUTH WEST LOOP AT U.S. HWY 78	16-H	70
			SOUTH EAST RAMP AT U.S. HWY 78	16-I	71
			SOUTH EAST LOOP AT U.S. HWY 78	16-J	72
			NORTH BOUND C-D ROAD AT U.S. HWY 78	16-K	73
			NORTH BOUND C-D ROAD AT U.S. HWY 78	16-L	74
			NORTH BOUND C-D ROAD AT U.S. HWY 78	16-M	75
			NORTH BOUND C-D ROAD AT U.S. HWY 78	16-N	76
			NORTH BOUND C-D ROAD AT U.S. HWY 78	16-O	77
			SOUTH BOUND C-D ROAD AT U.S. HWY 78	16-P	78
			SOUTH BOUND C-D ROAD AT U.S. HWY 78	16-Q	79
			SOUTH BOUND C-D ROAD AT U.S. HWY 78	16-R	80
			SOUTH BOUND C-D ROAD AT U.S. HWY 78	16-S	81
			SOUTH BOUND C-D ROAD AT U.S. HWY 78	16-T	82
			EAST BOUND C-D ROAD AT U.S. HWY 78	16-U	83
			EAST BOUND C-D ROAD AT U.S. HWY 78	16-V	84
			EAST BOUND C-D ROAD AT U.S. HWY 78	16-W	85
			WEST BOUND C-D ROAD AT U.S. HWY 78	16-X	86
			WEST BOUND C-D ROAD AT U.S. HWY 78	16-Y	87
			WEST BOUND C-D ROAD AT U.S. HWY 78	16-Z	88
			WEST BOUND C-D ROAD AT U.S. HWY 78	17	89
			MAIN FACILITY - STA. 850+00 TO STA. EOP		
<u>TYPICAL SECTIONS (8)</u>			<u>DETAILS OF CONSTRUCTION SIGNING &amp; TRAFFIC CONTROL PLAN (7)</u>		
TYPICAL SECTIONS - MAINLINE I-269	TS-1	10	DETAIL CONSTRUCTION SIGNING	DCS-1	90
TYPICAL SECTIONS - INTERCHANGE RAMP AND COLLECTOR-DISTRIBUTOR ROAD	TS-2	11	TRAFFIC CONTROL PLAN (MS HWY NO 305)	TC-1	91
TYPICAL SECTIONS - INTERCHANGE RAMP AND COLLECTOR-DISTRIBUTOR ROAD	TS-3	12	TRAFFIC CONTROL PLAN (MS HWY NO 305)	TC-2	92
TYPICAL SECTIONS - NORTHEAST AND SOUTHEAST RAMP AT U.S. 78	TS-4	13	TRAFFIC CONTROL PLAN (REDBANKS ROAD)	TC-3	93
TYPICAL SECTIONS - CHANNELIZED INTERSECTION AT INTERCHANGE RAMP	TS-5	14	TRAFFIC CONTROL PLAN (REDBANKS ROAD)	TC-4	94
TYPICAL SECTIONS - PAVEMENT AT BRIDGE END SLAB	TS-6	15	TRAFFIC CONTROL PLAN (U.S. HWY NO 78)	TC-5	95
TYPICAL SECTIONS - RED BANKS ROAD	TS-7	16	TRAFFIC CONTROL PLAN (U.S. HWY NO 78)	TC-6	96
TYPICAL SECTIONS	TS-8	17			
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SUMMARY OF QUANTITIES	SQ-2	19	INTERSECTION DETAIL - REDBANKS ROAD (STA. 37+28.21)	ID-2	98
SUMMARY OF QUANTITIES	SQ-3	20	INTERSECTION DETAIL - MS HWY 305 & NORTHEAST RAMP	ID-3	99
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SUMMARY OF QUANTITIES	SQ-7	24			
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ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS - MARSHALL COUNTY	EQ-5	29			
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ESTIMATED QUANTITIES FOR PAVEMENT MARKINGS	EQ-7	31			
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ESTIMATED QUANTITIES FOR STANDARD ROADSIDE SIGN ASSEMBLIES (MARSHALL CO.)	EQ-9	33			
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ESTIMATED QUANTITIES FOR ITS ITEMS	EQ-15	39			
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MAIN FACILITY - STA. B.O.P. - STA. 510+00	3	40	FORM GRADES - I-269/SR304 FROM I55 TO SR305 SE AND NE RAMP AT SR305	FG-1	100
HWY. NO. 305 - RELOCATION	3-A	41	FORM GRADES - SOUTHWEST RAMP AT RED BANKS ROAD	FG-2	101
HWY. NO. 305 - RELOCATION	3-B	42	FORM GRADES - RED BANKS ROAD SOUTHWEST RAMP	FG-2A	102
HWY. NO. 305 - SOUTHEAST RAMP	3-C	43	FORM GRADES - NORTHWEST RAMP @ RED BANKS ROAD	FG-3	103
HWY. NO. 305 - NORTHEAST RAMP	3-D	44	FORM GRADES - RED BANKS ROAD NORTHWEST RAMP	FG-3A	104
MAIN FACILITY - STA. 510+00 - STA. 525+00	4	45	FORM GRADES - SOUTHEAST RAMP @ RED BANKS ROAD	FG-4	105
MAIN FACILITY - STA. 525+00 - STA. 550+00	5	46	FORM GRADES - RED BANKS ROAD SOUTHEAST RAMP	FG-4A	106
MAIN FACILITY - STA. 550+00 - STA. 580+00	6	47	FORM GRADES - NORTHEAST RAMP @ RED BANKS ROAD	FG-5	107
MAIN FACILITY - STA. 580+00 - STA. 610+00	7	48	FORM GRADES - RED BANKS ROAD NORTHEAST RAMP	FG-5A	108
MAIN FACILITY - STA. 610+00 - STA. 625+00	8	49	FORM GRADES - NORTHBOUND CD RD. EXIT FROM NB I-269	FG-6	109
MAIN FACILITY - STA. 625+00 - STA. 640+00	9	50	FORM GRADES - SOUTHEAST RAMP EXIT FROM NB CD RD. AT U.S. 78	FG-7	110
MAIN FACILITY - STA. 640+00 - STA. 670+00	10	51			
MAIN FACILITY - STA. 670+00 - STA. 700+00	11	52			
MAIN FACILITY - STA. 700+00 - STA. 730+00	12	53			
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NORTH WEST RAMP AT REDBANKS ROAD	12-B	55			
NORTH EAST RAMP AT REDBANKS ROAD	12-C	56			
SOUTH WEST RAMP AT REDBANKS ROAD	12-D	57			
SOUTH EAST RAMP AT REDBANKS ROAD	12-E	58			
MAIN FACILITY - STA. 730+00 - STA. 760+00	13	59			
MAIN FACILITY - STA. 760+00 - STA. 790+00	14	60			
MAIN FACILITY - STA. 790+00 - STA. 820+00	15	61			



02-12-16

NEEL-SCHAFFER		
PS & E PLANS-DATE 01/08/16		
FMS CON. # 102556/306000 & 307000		
REVISIONS		
DATE	SHEET NO.	BY
2-12-16	4,6,18,19,20,21,22,26,68,167,271,7005,7008,7011-7013,7075-7077	RTM

REVISION	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAIL INDEX</b>
DATE		Project No.: STP-0029-02(018)
DESIGN TEAM	CHECKED	DATE
		WORKING NUMBER DI-1
		SHEET NUMBER 2

2/11/2016 08:40:14 INDEX.DGN

ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	STP-0029-02(018)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

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01-08-16

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAIL INDEX</b>	
Project No.: STP-0029-02(018)	WORKING NUMBER
County: DESOTO & MARSHALL	DI-2
FILENAME: INDEX.DGN	SHEET NUMBER
DESIGN TEAM	3

STATE	PROJECT NO.
MISS.	STP-0029-02(018)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>PERMANENT SIGN SHEETS (37)</u>		
PERMANENT SIGNING PLANS - I-269 (BOP TO STA. 527+00)	PSP-1	1001
PERMANENT SIGNING PLANS - I-269 (527+00 TO STA. 591+00)	PSP-2	1002
PERMANENT SIGNING PLANS - I-269 (STA. 606+00 TO STA. 671+00)	PSP-3	1003
PERMANENT SIGNING PLANS - I-269 (STA. 671+00 TO STA. 736+00)	PSP-4	1004
PERMANENT SIGNING PLANS - I-269 (STA. 671+00 TO STA. 736+00)	PSP-5	1005
PERMANENT SIGNING PLANS - I-269 (STA. 736+00 TO STA. 800+00)	PSP-6	1006
PERMANENT SIGNING PLANS - I-269 (STA. 800+00 TO STA. 860+00)	PSP-7	1007
PERMANENT SIGNING PLANS - INTERCHANGE LOOPS	PSP-8	1008
PERMANENT SIGNING PLANS -	PSP-9	1009
PERMANENT SIGNING PLANS -	PSP-10	1010
PERMANENT SIGNING PLANS -	PSP-11	1011
PERMANENT SIGNING PLANS - INSTALLATION OF DELINEATORS	PSP-12	1012
PERMANENT SIGNING PLANS - INSTALLATION OF DELINEATORS	PSP-13	1013
PERMANENT SIGNING PLANS - INSTALLATION OF DELINEATORS	PSP-14	1014
PERMANENT SIGNING PLANS - INSTALLATION OF DELINEATORS	PSP-15	1015
OVERHEAD SIGN ASSEMBLY NO. 1 (I-269 NB STA. 745+00)	OH-1	1016
OVERHEAD SIGN ASSEMBLY NO. 2 (I-269 NB STA. 788+01.81)	OH-2	1017
OVERHEAD SIGN ASSEMBLY NO. 3 (I-269 NB STA. 104+33.50)	OH-3	1018
OVERHEAD SIGN ASSEMBLY NO. 4 (I-269 NB STA. 308+89)	OH-4	1019
OVERHEAD SIGN ASSEMBLY NO. 5 (I-269 NB STA. 319+35)	OH-5	1020
OVERHEAD SIGN ASSEMBLY NO. 6 (I-269 NB STA. 127+91)	OH-6	1021
OVERHEAD SIGN ASSEMBLY NO. 7 (US 78 EASTBOUND C-D ROAD STA. 261+22)	OH-7	1022
OVERHEAD SIGN ASSEMBLY NO. 8 (US 78 EASTBOUND C-D ROAD STA. 246+63)	OH-8	1023
OVERHEAD SIGN ASSEMBLY NO. 9 (EASTBOUND US 78 STA. 213+80)	OH-9	1024
OVERHEAD SIGN ASSEMBLY NO. 10 (US 78 WESTBOUND C-D ROAD STA. 281+48)	OH-10	1025
OVERHEAD SIGN ASSEMBLY NO. 11 (WESTBOUND US 78 STA. 29+50)	OH-11	1026
OVERHEAD SIGN ASSEMBLY NO. 12 (I-269 SB STA. 869+47.50)	OH-12	1027
OVERHEAD SIGN ASSEMBLY NO. 13 (I-269 SB STA. 342+71.44)	OH-13	1028
OVERHEAD SIGN ASSEMBLY NO. 14 & 15 (I-269 SB STA. 325+80, STA. 229+80)	OH-14	1029
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DESCRIPTION OF SHEET

WKG. NO.	SH. NO.
TSI-1	2001
TSD-1	2002
TSD-3	2003
TSD-5	2004
TSD-6	2005
TSD-7	2006

TRAFFIC SIGNAL SHEETS (6)

TRAFFIC SIGNAL INSTALLATION - MS 305 @ NORTHEAST I-269 RAMP  
 DETAIL OF TRAFFIC SIGNAL HEADS, SIGNS, AND GENERAL NOTES  
 PULLBOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATIONS  
 TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS,  
 MISCELLANEOUS DETAILS  
 MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATIONS  
 TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATIONS)

ITS SHEETS (41)

PROJECT LOCATION MAP - OVERALL PROJECT  
 PROJECT LOCATION MAP - I-269  
 PROJECT LOCATION MAP - US HIGHWAY 78  
 ITS PLAN - INTERSTATE 269 - STA. 490+00 TO STA. 520+00  
 ITS PLAN - INTERSTATE 269 - STA. 520+00 TO STA. 550+00  
 ITS PLAN - INTERSTATE 269 - STA. 550+00 TO STA. 580+00  
 ITS PLAN - INTERSTATE 269 - STA. 580+00 TO STA. 610+00  
 ITS PLAN - INTERSTATE 269 - STA. 610+00 TO STA. 640+00  
 ITS PLAN - INTERSTATE 269 - STA. 640+00 TO STA. 670+00  
 ITS PLAN - INTERSTATE 269 - STA. 670+00 TO STA. 700+00  
 ITS PLAN - INTERSTATE 269 - STA. 700+00 TO STA. 730+00  
 ITS PLAN - INTERSTATE 269 - STA. 730+00 TO STA. 760+00  
 ITS PLAN - INTERSTATE 269 - STA. 760+00 TO STA. 790+00  
 ITS PLAN - INTERSTATE 269 - STA. 790+00 TO STA. 810+00  
 ITS PLAN - INTERSTATE 269 - STA. 810+00 TO STA. 840+00  
 ITS PLAN - INTERSTATE 269 - STA. 840+00 TO STA. 865+00  
 ITS PLAN - INTERSTATE 269 - STA. 865+00 TO STA. 895+00  
 ITS PLAN - US HIGHWAY 78 - STA. 136+00 TO STA. 166+00  
 ITS PLAN - US HIGHWAY 78 - STA. 166+00 TO STA. 192+00  
 ITS PLAN - US HIGHWAY 78 - PER PLANS PAY ITEMS  
 ITS PLAN - US HIGHWAY 78 - STA. 53+00 TO STA. 81+50  
 DMS DETAILS - DMS SITE #1 NORTHBOUND INTERSTATE 269  
 DMS DETAILS - DMS SITE #2 EASTBOUND US HIGHWAY 78  
 DMS DETAILS - DMS SITE #3 WESTBOUND US HIGHWAY 78  
 DMS CONSTRUCTION DETAILS  
 FIBER OPTIC DETAILS - PULL BOX AND CONDUIT TRENCHING DETAILS  
 FIBER OPTIC DETAILS - CABINET ENTRANCE DETAILS  
 FIBER OPTIC DETAILS - SYSTEM BLOCK DIAGRAM  
 FIBER OPTIC DETAILS - FIBER SPLICING DETAILS  
 FIBER OPTIC DETAILS - CABLE MANAGEMENT DETAILS  
 FIBER OPTIC DETAILS - TERMINATION CABINET TABLES  
 CABINET DETAILS - TYPE B AND C CABINET DETAILS  
 CCTV DETAILS - CAMERA POLE WITH CAMERA AND RDS MOUNTING DETAILS  
 AERIAL SUPPORTED CONDUIT - NOTES AND TYPICAL DETAILS  
 AERIAL SUPPORTED CONDUIT - NOTES AND TYPICAL DETAILS  
 BRIDGE ELEVATION - I-269 OVER COLDWATER RIVER - STA. 569+95.010 TO 584+36.57  
 BRIDGE ELEVATION - I-269 OVER COLDWATER RIVER - STA. 584+36.57 TO 600+84.05  
 BRIDGE ELEVATION - I-269 OVER COLDWATER RIVER - STA. 600+84.05 TO 608+04.06  
 ELECTRICAL DETAILS - POWER SERVICE DETAILS  
 TRAFFIC CONTROL PLAN - NOTES I.T.S.  
 TRAFFIC CONTROL PLAN - NOTES AND PLAN I.T.S.

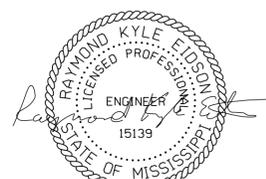
LP-1	3001
LP-2	3002
LP-3	3003
ITS-1	3004
ITS-2	3005
ITS-3	3006
ITS-4	3007
ITS-5	3008
ITS-6	3009
ITS-7	3010
ITS-8	3011
ITS-9	3012
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ITS-12	3015
ITS-13	3016
ITS-14	3017
ITS-15	3018
ITS-16	3019
ITS-16A	3020
ITS-17	3021
DMS-1	3022
DMS-2	3023
DMS-3	3024
DMSCD-1	3025
FO-1	3026
FO-2	3027
FO-3	3028
FO-4	3029
FO-5	3030
FO-6	3031
CAB-1	3032
CCTV-1	3033
ASC-1	3034
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ASC-3	3036
ASC-4	3037
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TCITS-1	3040
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STANDARD DRAWINGS - ROADWAY SHEETS (CONTINUED)

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GUARD RAIL : THRIE BEAM (WOOD POSTS)	3-1-02	GR-1A	6181
GUARD RAIL : "W" BEAM (STEEL POSTS)	3-1-02	GR-1B	6182
GUARD RAIL : MODIFIED THRIE BEAM (STEEL POSTS)	3-1-02	GR-1C	6183
GUARD RAIL : TYPE I CABLE ANCHORAGE (FOUNDATION TUBE)	3-1-02	GR-3	6192
GUARD RAIL : TYPE I CABLE ANCHORAGE (CONCRETE FOOTING)	3-1-02	GR-3A	6193
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	6195
GUARD RAIL : TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON 2-LANE, 2-WAY HIGHWAY	3-1-02	GR-4D	6198
GUARD RAIL : MISCELLANEOUS HARDWARE	3-1-02	GR-HW	6202
STANDARD DIRECTIONAL (GUIDE) SIGNS	3-1-02	SN-1	6220
ROUTE SHIELDS AND "EXIT ONLY" PANELS		SN-2	6221
STANDARD ROADSIDE SIGNS		SN-3	6222
STANDARD ROADSIDE SIGNS		SN-3A	6223
STANDARD ROADSIDE SIGNS	3-1-02	SN-3B	6224
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION		SN-4	6225
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION		SN-4A	6226
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION		SN-4B	6227
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BREAK-AWAY SIGN SUPPORTS		SN-6A	6230
SIGN FACE CONSTRUCTION & ATTACHMENT OF GROUND MOUNTED DIRECTIOAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	3-1-02	SN-7	6232
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TYPICAL GUARD RAIL DELINEATION	3-1-02	SN-8C	6236
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO WAY TRAFFIC)		TCP-1	6250
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES OR OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOUSURE) (WORK DAY ONLY)		TCP-5	6254
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS		TCP-8	6257
SHORT DURATION CLOSING OF DIVIDED HIGHWAYS		TCP-9	6258
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	12-1-99	TCP-11	6260
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TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS		TCP-14	6263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-1-99	TCP-15	6264
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INTERCHANGE DESIGN FOR HIGH - SPEED PARALLEL EXIT RAMP	3-1-02	IR-1A	6284
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INTERCHANGE DESIGN FOR HIGH - SPEED PARALLEL ENTRANCE RAMP	3-1-02	IR-2A	6286
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2. EXCAVATION AT GRADE POINTS		MDS-1	6290
DETAILS OF PAVED FLUMES		PF-1	6291
PIPE CULVERT INSTALLATION		PI-1	6300
PIPE COLLAR - CONCRETE		PC-1	6301
JUNCTION BOX FOR PIPE CULVERTS		JB-1	6302
JUNCTION BOX FOR BOX CULVERTS TO CONCRETE ARCH PIPE		JB-1A	6303
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DETAILS OF GRATES FOR MEDIAN INLETS		IG-1	6314
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SMALL ANIMAL GUARD AND UNDERDRAIN MARKER	3-1-02	SAG-1	6327
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328

STANDARD DRAWINGS - ROADWAY SHEETS (52)

PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12-1-99	PM-1	6120
PAVEMENT MARKING DETAILS FOR 4 & 5-LANE UNDIVIDED ROADWAYS	12-1-99	PM-2	6121
PAVEMENT MARKING LEGEND DETAILS		PM-5	6124
PAVEMENT MARKING LEGEND DETAILS		PM-6	6125
EROSION CONTROL		EC-1	6140



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DESCRIPTION OF SHEET

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NO.

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NO.

STANDARD BRIDGE DRAWINGS (8) 

 REVISED ALL STANDARD BRIDGE DRAWINGS

BASIC CULVERT DRAWING COLLAR LOCATIONS NORMAL AND SKEWED CULVERTS  
 GROUP I DIAGRAMS \*  
 COLLAR DETAILS FOR BOX STRUCTURES (SINGLE & DOUBLE)  
 BARREL DETAILS FOR SINGLE CELL BOX CULVERT - HEIGHT 6 FT. SPANS 6-20 FT.  
 BARREL DETAILS FOR SINGLE CELL BOX CULVERT - HEIGHT 6 FT. SPANS 6-20 FT.  
 BARREL DETAILS FOR SINGLE CELL CULVERT - HEIGHT 6 FT. SPANS 6-20 FT.

IBJL-1 7005  
 ICJ-1 7008  
 IBS-6 7011  
 IBS-6 7012  
 IBS-6 7013

WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL  
 30° SKEW DETAILS - HEIGHT 6-12 FT. SPANS 6-24 FT.  
 WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL  
 30° SKEW DETAILS - HEIGHTS 6 FT. SPANS 6-20 FT.  
 WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL  
 30° SKEW DETAILS - HEIGHTS 6 FT. SPANS 6-20 FT.

IWS-3W-30 7075  
 IWS-6-3W-30 7076  
 IWS-6-3W-30 7077

CROSS SECTIONS (44)

NORTHEAST RAMP AT U.S. HWY 78  
 NORTHEAST RAMP AT U.S. HWY 78  
 NORTHWEST RAMP AT U.S. HWY 78  
 NORTHWEST RAMP AT U.S. HWY 78

9001-9004  
 9005-9023  
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 9038-9044

TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS)

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PLAN DIVISION  
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# GENERAL NOTES – CONTINUED

- ②5 ALL EXCAVATION FOR THE SIGN POSTS OR FOOTINGS IS TO BE INCLUDED IN THE COST FOR OTHER ITEMS BID FOR CONSTRUCTION.
- ②6 ALL SIGNING POST, PIPE, AND I-BEAM LENGTHS ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIELD SURVEY TO DETERMINE THE EXACT LENGTH REQUIRED.
- ②7 DIRECT APPLIED LEGEND, BORDERS, AND SHIELD ARE TO BE USED ON ALL GUIDE SIGNS. RIVETS WILL NOT BE ALLOWED.
- ②8 ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) (CURRENT EDITION).
- ②9 ALL POLES, PULL BOXES, CONTROLLERS AND PAVEMENT MARKINGS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.
- ③0 ALL SIGNAL MAST ARM POLES TO BE GALVANIZED STEEL UNLESS SPECIFIED AS WOOD POLE. CONTRACTOR TO VERIFY ALL MAST ARM POLE LOCATIONS TO BE SURE THERE ARE NO UTILITY CONFLICTS PRIOR TO ORDERING POLES.
- ③1 SIGNAL CONTROLLER TIMINGS TO BE PROVIDED BY THE ENGINEER.
- ③2 SPECIFICATIONS FOR SIGNAL SHALL BE THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
- ③3 TRAFFIC SIGNAL CABLE IN MAST ARMS TO BE MEASURED AND PAID FOR AS ELECTRICAL CABLE, AERIAL SUPPORTED IN CONDUIT, IMSA 20-1, AWG #14-8 CONDUCTOR, (PAY ITEM 666-C017).
- ③4 WHERE MILLING OF THE ROADWAY LANE IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER.
- ③5 THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH UTILITY OFFICIALS IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE AND INCIDENTALS NECESSARY FOR SUPPLY OF POWER. COST SHALL BE ABSORBED IN OTHER ITEMS OF CONSTRUCTION.
- ③6 FOR ADDITIONAL NOTES REGARDING TRAFFIC CONTROL, SEE WK. SH. TC-ITS-1 & TC-ITS-2.
- ③7 FOR ADDITIONAL NOTES REGARDING TRAFFIC SIGNALS, SEE WK. SH. TSD-1.
- ③8 FOR ITS GENERAL NOTES, SEE WK. SH. GN-ITS.
- ③9 FOR FIBER OPTIC GENERAL NOTES, SEE WK. SH. FO-1.
- ④0 FOR CCTV GENERAL NOTES, SEE WK. SH. CCTV-1.
- ④1 FOR RADAR DETECTION SYSTEM GENERAL NOTES, SEE WK. SH. CCTV-1.
- ④2 WORK SHOWN PRIOR TO STATION 498+65.25 AND AFTER STATION 878+00 IS NOT INCLUDED IN THIS CONTRACT.
- ④3 BRIDGE JOINTS ON I-269 ARE TO BE SEALED BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
- ④4 IF POLYACRYLAMIDE (PAM) POLYMER IS USED FOR EROSION CONTROL OF SOIL ON CONSTRUCTION SITES, WRITTEN NOTIFICATION OF THE USE OF PAM SHALL BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN / EROSION CONTROL PLAN SUBMITTED TO MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF POLLUTION CONTROL, CONSTRUCTION AND BUILDING MATERIALS PERMITS BRANCH. THIS NOTIFICATION SHALL INCLUDE A WRITTEN PLAN FOR THE SPECIFIC APPLICATION AREA(S) WHICH WILL DESCRIBE: HOW UNIFORM COVERAGE WILL BE ENSURED AND HOW APPLICATION ONTO NON-TARGET AREAS (INCLUDING WATERS OF THE STATE) WILL BE PREVENTED. PAM SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION NO. 907-250. THERE SHALL BE NO DISCHARGE OF PAM INTO STATE WATERS.
- ④5 DOUBLE DROP THERMOPLASTIC WILL BE USED ON ALL BRIDGE DECKS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE PREFORMED JOINT MATERIAL. ANY DAMAGE CAUSED BY THE THERMOPLASTIC WILL BE REPAIRED AT NO COST TO THE STATE.
- ④6 MINOR SITE GRADING MAY BE REQUIRED AT GUARDRAIL PADS. COST TO BE INCLUDED IN EXISTING PAY ITEMS.

1/5/2016 1:41:03:41 GN-2.DGN

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		<b>GENERAL NOTES</b>	
		PROJECT NO. STP-0029-02(018)	
		DESOTO & MARSHALL COUNTY	
		WORKING NUMBER GN-2	
		SHEET NUMBER 8	
REVISION	BY	FILENAME: GN-2.DGN	
DATE		DESIGN TEAM	CHECKED DATE



**GENERAL NOTES**

**GENERAL NOTES (CONT'D.)**

STATE	PROJECT NO.
MISS.	STP-0029-02(018)

- ALL SIGNS AND TRAFFIC CONTROL DEVICES USED ON THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
- 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.
- EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS OWN INDEPENDENT INVESTIGATIONS, INCLUDING SUB-SURFACE INVESTIGATIONS AS MAY BE NECESSARY TO LOCATE UTILITIES WITHIN THE PROJECT LIMITS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY MDOT DISTRICT TWO MAINTENANCE PERSONNEL AT LEAST TWO WEEKS IN ADVANCE OF WORK WITHIN EACH AREA, SO THAT MDOT UTILITIES CAN BE FIELD LOCATED.
- EQUIPMENT AND GUARD RAIL SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT AND GUARD RAIL SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT AND BEST SIGHT DISTANCE FOR DYNAMIC MESSAGE SIGNS, 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.
- ROADWAY EDGE OF ABOVE GROUND ITS EQUIPMENT TO BE 30' MIN. FROM EDGE OF TRAVEL LANE (E.O.T.L.) TO MAINTAIN CLEAR ZONE UNLESS PROTECTED BY GUARD RAIL OR BRIDGE RAIL.
- FIELD LOCATION ADJUSTMENTS MAY BE REQUIRED AT TIME OF EQUIPMENT INSTALLATION DUE TO POTENTIAL CONFLICTS OR OTHER FACTORS THAT WERE UNIDENTIFIABLE DURING THE PROJECT DESIGN PHASE. ANY REQUIRED ADJUSTMENTS SHALL BE APPROVED BY THE PROJECT ENGINEER.
- CONTRACTOR SHALL FIELD VERIFY CAMERA SITE LOCATION AND ORIENTATION FOR COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING CAMERAS. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE PROJECT ENGINEER.
- CLEARING AND GRUBBING, WHERE REQUIRED BY THE ENGINEER TO COMPLETE THE CONDUIT, GUARDRAIL, AND I.T.S. EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN ACCORDANCE WITH SECTION 201 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION. CLEARING AND GRUBBING SHALL BE COST ABSORBED INTO OTHER ITEMS OF WORK.
- THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.
- THE I.T.S. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SHOULDER MATERIALS WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDERS WILL BE PERFORMED IN ACCORDANCE WITH SECTION 410 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004 EDITION). NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDERS.
- ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (INCLUDING SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SIDEWALKS, ASPHALT, CONCRETE, SOD, GRASSING, AND SOIL SHALL BE ABSORBED UNDER THE PAY ITEMS FOR THE CONDUIT.
- THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT AND LOCAL OFFICIALS IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICES. IF ELECTRICAL SERVICE REQUIRES A SERVICE METER TO BE INSTALLED, CONTRACTOR TO CONTACT THE ELECTRIC UTILITY OWNER. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS, POWER PANELS OR WOOD POLES TO PROVIDE POWER SERVICE SHALL MEET LOCAL EPA REQUIREMENTS AND BE COST ABSORBED. CONTRACTOR SHALL ESTABLISH POWER SERVICE IN HIS OR HER BILLING ADDRESS, AND SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE. ALL TRANSFORMERS AND/OR TERMINAL BLOCKS NEEDED AT THE POWER SERVICE POINT OR AT THE DEVICE LOCATIONS SHALL BE COST ABSORBED IN OTHER ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY MAKE-READY COST INCURRED TO PROVIDE POWER AND COMMUNICATION SERVICES TO THE EQUIPMENT, NOT A SEPARATE PAY ITEM (COST ABSORBED IN MOBILIZATION PAY ITEM 620-A001). THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING AN INDEPENDENT INVESTIGATION INTO UTILITY MAKE-READY COST FOR BIDDING PURPOSES.
- ALL 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 (SEE SPEC. PROVISION 907-657-6 FOR DETAILS.) THE ADDITIONAL CABLE SHALL BE COST ABSORBED UNDER PAY ITEM NO. 907-657-A.
- 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.
- CONDUIT FOR POWER SUPPLY MAY BE RUN IN THE SAME TRENCH LINE AS COMMUNICATION LINES (SEE WKG. NO. FO-1), HOWEVER, SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED. CONTRACTOR TO REVIEW PLANS BEFORE INSTALLING PULLBOXES AND FOUNDATIONS TO ASSURE ALL REQUIRED PULLBOXES AND CONDUITS ARE INSTALLED.
- PAYMENT FOR FIBER OPTIC CABLE, POWER CABLE, COMMUNICATION CABLE, AND CONDUIT SHALL BE MEASURED BASED ON HORIZONTAL MEASUREMENTS, NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.
- 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 TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED, NOT A SEPARATE PAY ITEM (COST ABSORBED).
- FOR CONDUIT BANKS, ONE OR MORE (AS INDICATED ON THE PLANS) OF THE CONDUITS WILL BE FOR FUTURE USE AND SHALL INCLUDE A PULL STRING.
- A TRACER (AWG #10 GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES FIBER OPTIC CABLE. COST OF THE TRACER WIRE SHALL BE ABSORBED UNDER PAY ITEM NO. 907-657-A.
- 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 PULLBOX ALREADY SHOWN ON THE PLANS, UNLESS OTHER LOCATIONS ARE APPROVED BY THE ENGINEER.

- THE END POINT OF FIBER OPTIC TRUNK RUNS AT THE B.O.P. AND E.O.P. SHALL END IN TYPE 5 PULLBOX WITH 200 FEET OF SLACK. THESE SHALL BECOME SPLICE POINTS WHEN CONNECTION TO 72 SM FIBER RUNNING OUTSIDE THE PROJECT LIMITS IS INSTALLED UNDER SEPARATE CONTRACT(S). CONTRACTOR WILL BE REQUIRED TO MAKE TRUNK TO TRUNK SPLICE IF 72SM FIBER INSTALLED UNDER SEPARATE CONTRACT HAS BEEN INSTALLED AND IS IN PLACE AND TYPE 5 PULLBOX SHOWN AT END OF RUN WILL NOT BE REQUIRED. TRUNK LINE SHALL BE CONNECTED TO EXISTING U.S. 78 FIBER RUN AT EXISTING COMMUNICATIONS HUT ON 78. THIS REQUIRES A 144 COUNT SPLICE PANEL. THE COST OF THIS TERMINATION PANEL AND RELATED EQUIPMENT SHALL BE PAID FOR UNDER PAY ITEM NO. 907-660-PP001. THE COST OF OTHER TERMINATION PANELS AND RELATED EQUIPMENT IN EQUIPMENT CABINETS SHALL BE ABSORBED IN ITEM 907-657-A.
- THE CONTRACTOR SHALL INSTALL MDOT FURNISHED CAMERA POLE PLUS EQUIPMENT FOR CAMERAS AND RDS (CCTV #8 - SEE WORKING NUMBER ITS-16). THE COST OF THE INSTALLATION, FOUNDATION AND RELATED EQUIPMENT SHALL BE PAID FOR UNDER PAY ITEM NO. 907-639-PP001.
- THE CONTRACTOR MAY MAKE A SINGLE JACK OR BORE FOR INSTALLATION OF MULTIPLE CONDUITS (CONDUIT BANK) AT A ROADWAY CROSSING, RATHER THAN JACKING OR BORING INDIVIDUAL CONDUITS. THE CONDUIT BANK LABEL DESCRIBES THE NUMBER OF CONDUITS REQUIRED. SEPARATE PAYMENT IS NOT MADE FOR EACH INDIVIDUAL CONDUIT. IF A SLEEVE IS USED NO ADDITIONAL PAYMENT WILL BE GIVEN FOR THE SLEEVE.
- 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.
- ALL FIBERGLASS CONDUIT (FRP) SHALL BE GRAY IN COLOR.
- THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION. THE COST SHALL BE ABSORBED IN THE PAY ITEM FOR MAINTENANCE OF TRAFFIC (NOT A SEPARATE PAY ITEM).
- CONTRACTOR SHALL NOTIFY PROJECT ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF REQUIRING LANE CLOSURES AND OTHER FORMS OF SIGNIFICANT TRAFFIC CONTROL MEASURES.
- 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 UNITED STATES DURING CONSTRUCTION.
- ALL ITS COMPONENTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SUPPORTS, ATTACHMENTS AND FOUNDATIONS SHALL BE DESIGNED BY THE CONTRACTOR ACCORDING TO STANDARD SPECIFICATIONS / SPECIAL PROVISIONS / PLAN DRAWINGS AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF LAYOUT/SHOP DRAWINGS FOR ALL ITS COMPONENTS (INCLUDING THE PLAN OF ATTACHMENT) TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL.
- PLAN SCALE INDICATIONS ARE FOR FULL SIZE (22"x34") DRAWINGS. IF REDUCED SCALE PRINTS ARE USED, SCALE SHOULD BE VERIFIED.

**ITS LEGEND**

	EXISTING	PROPOSED
<b>CABLE - COMM.</b>	— c — c —	— c — c —
<b>CABLE - ELEC. (U/G IN COND.)</b>	— E — E —	— E — E —
<b>LABEL FOR CONDUIT AND CONDUIT TYPES</b>	[CONDUIT DESCRIPTION(S)] [CABLE DESCRIPTION(S)]	[CONDUIT DESCRIPTION(S)] [CABLE DESCRIPTION(S)]
<b>LABEL FOR DEVICE DESCRIPTIONS AND LOCATIONS</b>	[DEVICE #(S) & DESCRIPTION(S)] [LOCATION DESCRIPTION(S)]	[DEVICE #(S) & DESCRIPTION(S)] [LOCATION DESCRIPTION(S)]
<b>PULL BOX - COMM.</b>		
<b>PULL BOX - ELEC.</b>		
<b>PULL BOX - SURFACE MOUNTED</b>		
<b>LABEL FOR PULL BOX TYPE</b>		
<b>DEMARC. PT. (POWER)</b>		
<b>TRAFFIC SIGNAL CABINET</b>		
<b>CABINET (TYPE AS NOTED)</b>		
<b>CCTV CAMERA (ALL TYPES)</b>		
<b>DYNAMIC MESSAGE SIGN (DMS) (TYPE 2 OR 3) (AS INDICATED)</b>		
<b>RADAR DETECTION SYSTEM (RDS)</b>		
<b>BLUETOOTH DETECTION SYSTEM (BDS)</b>		
<b>COMMUNICATIONS HUT</b>		
<b>COMMUNICATIONS VAULT</b>		

**ABBREVIATIONS**

- E.O.T.L. - EDGE OF TRAVEL LANE
- F.O. - FIBER OPTIC
- COMM. - COMMUNICATION

1/5/2016 14:29:17 GN-ITS.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>GENERAL NOTES</b>	
I.T.S.	
COUNTY: DESOTO & MARSHALL PROJECT NO. STP-0029-02(018)	
WORKING NUMBER	GN-ITS
SHEET NUMBER	9
FILENAME: GN-ITS.DGN	DATE
DESIGN TEAM	CHECKED
	DATE



**GENERAL INDEX**

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" type="checkbox"/> PERMANENT SIGNS .....	1001
<input checked="" type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input checked="" type="checkbox"/> ITS COMPONENTS .....	3001
<input type="checkbox"/> LIGHTING .....	4001
<input type="checkbox"/> (RESERVED) .....	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input type="checkbox"/> BRIDGE STANDARD DWGS .....	7001
<input type="checkbox"/> BRIDGE .....	8001
<input type="checkbox"/> CROSS SECTIONS .....	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. STP-0029-03(015)

I-269 / SR 304 FROM NORTH OF U.S. 78 TO SR 302

102556/318000

MARSHALL COUNTY

**SCALES**

PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 2000 FT.

E.O.P. STA. 1247 + 33.50

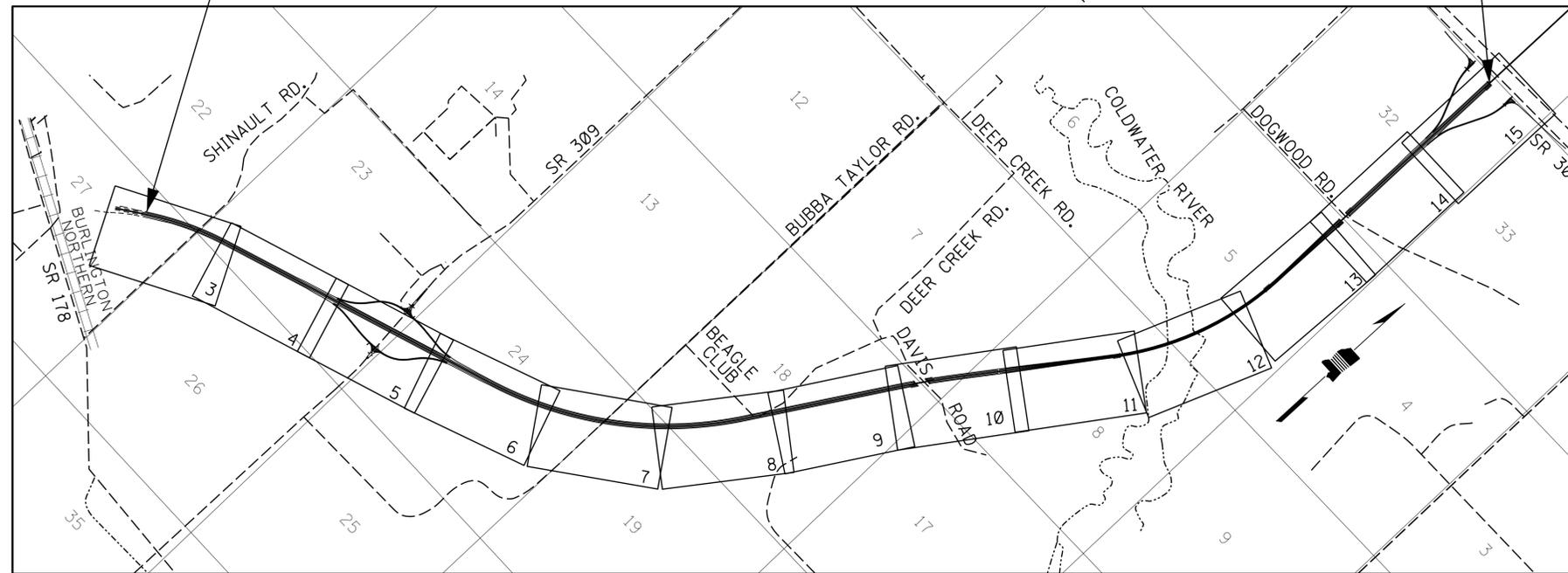
STA. 878 + 00.00

**BRIDGE STRUCTURES REQ'D.**

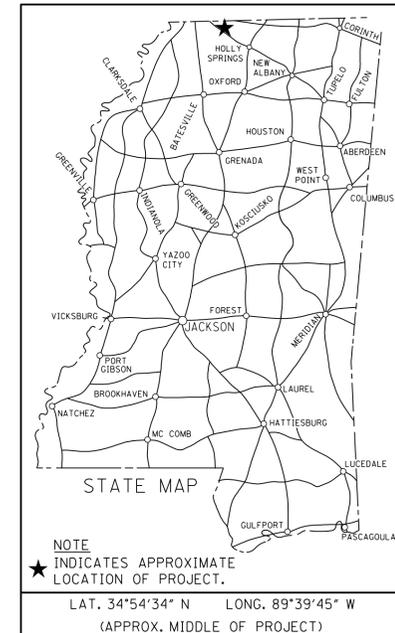
NONE

**BOX BRIDGES REQ'D.**

NONE



STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	STP-0029-03(015)	1



NOTE  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 34°54'34" N LONG. 89°39'45" W  
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL		
70	MPH = V (SPEED DESIGN)	
ADT (2017) = 29,000;	ADT (2037) = 47,000	
DHV = 5,200;	D = 60%;	T = 19%
PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR		
STORMWATER PERMIT		
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)	<input checked="" type="checkbox"/>
S	REQUIRED, CNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	<input type="checkbox"/>
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)	<input type="checkbox"/>
APPROVED BY: _____		

**ACCESS CONTROL**

**NOTES:**

- Access to and exit from this highway will be permitted only through interchange or such other points as may be established by public authority and as shown on the plans.
- This note applies to the following station limits: STA. 878+00 to STA. 1247+33.50. This project is declared by the Transportation Commission to be Type 1 Controlled Access Facility, as defined in and subject to all restrictions shown by order of said Commission dated 13 day of May, 2008 in minute book 13, pages 179 & 180 and authorized under section 65-1-10(1)MCA (1972, as amended).

**GPS CONTROL NOTES**

HORIZONTAL DATUM:	MS	ZONE (US SURVEY FEET)
HORIZONTAL MONUMENT	NORTH	EAST
OLIVE	1994498.546	2459744.241
GPS 0303	2008575.562	2359059.269
HOLLY	1930592.975	2540555.798

VERTICAL DATUM:	(US SURVEY FEET)
VERTICAL MONUMENT	ELEVATION
78V119, 72V38, 72V39, 78V118, H243, C194	
CRENSHAW2AZ, E43, G243, L243, J193, J243	

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

**CONVERSION VALUES PROJECT AVERAGE**

GROUND TO GRID (COMBINED) FACTOR	0.999980705
GRID TO GEODETIC AZIMUTH	(+) 00°22'42.84"

**EQUATIONS**

STA. 1135+70.880 BK.=STA. 1127+75.311 AH. +=795.569

**EXCEPTIONS**

NONE

**LENGTH DATA**

LENGTH OF ROADWAY	33167.12 FT.	6.282 MI.
LENGTH OF BRIDGES	4561.95 FT.	0.864 MI.
LENGTH OF PROJECT (NET)	37729.07 FT.	7.146 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)	37729.07 FT.	7.146 MI.



GARVER, LLC TRAFFIC

GARVER, LLC ROADWAY

1/25/2016 1:51 PM TLE.DGN

1st O.REV.

DESCRIPTION OF SHEET

REVISION DATE

WKG. NO.

SH. NO.

ROADWAY (154)

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (4)

- DETAILED INDEX
- DETAILED INDEX - CONTINUED
- DETAILED INDEX - CONTINUED
- GENERAL NOTES

TYPICAL SECTION SHEETS (6)

- TYPICAL SECTIONS - MAINLINE I-269
- TYPICAL SECTIONS - MAINLINE I-269
- TYPICAL SECTIONS - SR 309 INTERCHANGE RAMP
- TYPICAL SECTIONS - SE & SW INTERCHANGE RAMP AT SR 302
- TYPICAL SECTIONS - MISCELLANEOUS DETAILS
- TYPICAL SECTIONS - EMERGENCY / OFFICIAL USE MEDIAN CROSSOVER

QUANTITY SHEETS (13)

- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES

- ESTIMATED QUANTITIES - DRAINAGE STRUCTURES, PAVEMENT MARKINGS & TRAFFIC CONTROL ITEMS
- ESTIMATED QUANTITIES - DELINEATORS, CURB AND GUTTER & REMOVAL ITEMS
- ESTIMATED QUANTITIES - BRIDGE END PAVEMENT, MEDIAN BARRIER & GUARDRAIL
- ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS
- ESTIMATED QUANTITIES - DIRECTIONAL SIGNS
- ESTIMATED QUANTITIES - ITS ITEMS
- ESTIMATED QUANTITIES - TRAFFIC SIGNAL ITEMS
- ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS
- ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGN ASSEMBLIES

DESCRIPTION OF SHEET

REVISION DATE

WKG. NO.

SH. NO.

PLAN AND PROFILE SHEETS 1:100 (24)

- I-269 - STA. 878+00 TO STA. 900+00
- I-269 - STA. 900+00 TO STA. 930+00
- I-269 - STA. 930+00 TO STA. 960+00
- INTERCHANGE LAYOUT - SR 309
- SR 309
- SR 309 RAMP A
- SR 309 RAMP B
- SR 309 RAMP C
- SR 309 RAMP D
- I-269 - STA. 960+00 TO STA. 990+00
- I-269 - STA. 990+00 TO STA. 1020+00
- I-269 - STA. 1020+00 TO STA. 1050+00
- I-269 - STA. 1050+00 TO STA. 1080+00
- I-269 - STA. 1080+00 TO STA. 1110+00
- I-269 - STA. 1110+00 TO STA. 1132+00
- I-269 - STA. 1132+00 TO STA. 1162+00
- I-269 - STA. 1162+00 TO STA. 1192+00
- I-269 - STA. 1192+00 TO STA. 1222+00
- I-269 - STA. 1222+00 TO STA. 1247+33
- INTERCHANGE LAYOUT - SR 302
- SR 302
- SR 302
- SR 302 SE RAMP
- SR 302 SW RAMP

SPECIAL DESIGN - ROADWAY ITEMS (106)

- INTERSECTION DETAILS - SR 309 AT RAMP A & RAMP B
- INTERSECTION DETAILS - SR 309 AT RAMP C & RAMP D
- INTERSECTION DETAILS - SE RAMP AT SR 302
- INTERSECTION DETAILS - SW RAMP AT SR 302
- FORM GRADE - I-269 AT RAMP A
- FORM GRADE - I-269 AT RAMP B
- FORM GRADE - I-269 AT RAMP C
- FORM GRADE - I-269 AT RAMP D
- FORM GRADE - SR 309 AT RAMPS A & B
- FORM GRADE - SR 309 AT RAMPS C & D
- FORM GRADE - SW RAMP AND SE RAMP AT I-269
- FORM GRADE - SW RAMP AT SR 302
- FORM GRADE - SE RAMP AT SR 302

STATE	PROJECT NO.
MISS.	STP-0029-03(015)

2/15/2016 5:04 PM DI\_SH.DGN

GARVER, LLC		
PS & E PLANS-DATE 01-06-2016		
FMS CON. # 102556/318000		
REVISIONS		
DATE	SHEET NO.	BY
2/17/16	2, 3, 4, 11, 12, 126, 153	TWB



<table border="1"> <tr> <th>TWB</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	TWB	BY							MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAILED INDEX</b> <b>I-269 FROM NORTH OF US 78</b> <b>TO SR 302</b>	
	TWB	BY								
<table border="1"> <tr> <td>UPDATED SHEET TOTALS</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> </table>	UPDATED SHEET TOTALS		DATE		PROJ. NO.: STP-0029-03(015) COUNTY: MARSHALL FILENAME: DI_SH.DGN DESIGN TEAM GARVER CHECKED TWB DATE FEB 2016	WORKING NUMBER <b>DI-1</b> SHEET NUMBER <b>2</b>				
UPDATED SHEET TOTALS										
DATE										

1st O.REV.

DESCRIPTION OF SHEET

REVISION DATE

WKG. NO.

SH. NO.

SPECIAL DESIGN - ROADWAY ITEMS (CONT.) (106) 

CONSTRUCTION SIGNING PLAN - SR 309  
 CONSTRUCTION SIGNING PLAN - SR 302  
  
 PAVEMENT MARKING DETAILS - I-269 - STA. 878+00 TO STA. 901+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 901+00 TO STA. 932+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 932+00 TO STA. 964+00  
 PAVEMENT MARKING DETAILS - RAMPS A & D  
 PAVEMENT MARKING DETAILS - SR 309  
 PAVEMENT MARKING DETAILS - RAMPS B & C  
 PAVEMENT MARKING DETAILS - I-269 - STA. 964+00 TO STA. 995+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 995+00 TO STA. 1027+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1027+00 TO STA. 1059+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1059+00 TO STA. 1091+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1091+00 TO STA. 1123+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1123+00 TO STA. 1147+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1147+00 TO STA. 1178+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1178+00 TO STA. 1210+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1210+00 TO STA. 1242+00  
 PAVEMENT MARKING DETAILS - SE & SW RAMPS - SR 302  
 PAVEMENT MARKING DETAILS - SR 302  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1242+00 TO STA. 1274+00  
 PAVEMENT MARKING DETAILS - I-269 - STA. 1274+00 TO STA. 1287+01.39

VEGETATION SCHEDULE

EROSION CONTROL PLAN - I-269 - STA. 878+00 TO STA. 900+00  
 EROSION CONTROL PLAN - I-269 - STA. 900+00 TO STA. 930+00  
 EROSION CONTROL PLAN - I-269 - STA. 930+00 TO STA. 960+00  
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DESCRIPTION OF SHEET

REVISION DATE

WKG. NO.

SH. NO.

SPECIAL DESIGN - ROADWAY ITEMS (CONT.) (106) 

BRIDGE END PAVEMENT (WITH RAIL, OVERLAY AND SLEEPER SLAB)  
 33.0" BRIDGE END PAVEMENT RAIL  
 GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)  
 GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)  
 GUARDRAIL: RUB RAIL HARDWARE SHEET  
 GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS  
  
 PAVING DETAILS AT RAMP  
 RUMBLE STRIP DETAIL FOR OGFC OR CONC ROADWAY WITH ASPH SHLD  
  
 LOCATION OF R16-3 SIGNS  
 TRAFFIC CONTROL DETAILS: DRUM PLACEMENT AND SHOULDER CLOSURE  
 TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMITS OF 65 OR 70 MPH  
 (INTERSTATE AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)  
  
 SOURCE OF SURVEY CONTROL  
 SOURCE OF SURVEY CONTROL  
 SOURCE OF SURVEY CONTROL  
 SOURCE OF SURVEY CONTROL  
  
 MISCELLANEOUS CONSTRUCTION DETAIL  
 HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS  
 PAVEMENT MARKING DETAILS FOR 4-LANE AND 5-LANE UNDIVIDED ROADWAYS (MARKERS PLACED INSIDE TURN LANE)  
 PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS (PARALLEL AND TAPER)  
 PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS (PARALLEL AND TAPER)  
 SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTERLINE  
 SUPERELEVATION RUNOFF CASE II ROTATION ABOUT EDGE OF TRAVELED WAY  
 SUPERELEVATION CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)  
 SUPERELEVATION CASE II ROTATION ABOUT EDGE OF TRAVELED WAY (2% NORMAL SUBGRADE)  
 DRIVEWAYS, CURB & GUTTER & SIDEWALK  
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STATE	PROJECT NO.
MISS.	STP-0029-03(015)

2/17/2016 8:14 AM DI\_SH.DGN PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

<table border="1"> <tr> <td>TWB</td> <td>BY</td> </tr> <tr> <td>REVISION</td> <td></td> </tr> </table>	TWB	BY	REVISION		MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAILED INDEX</b> I-269 FROM NORTH OF US 78 TO SR 302	
	TWB	BY				
REVISION						
<table border="1"> <tr> <td>2/17/16</td> <td>DATE</td> </tr> <tr> <td>ADDED SHEET AND UPDATED TOTALS</td> <td>REVISION</td> </tr> </table>	2/17/16	DATE	ADDED SHEET AND UPDATED TOTALS	REVISION	PROJ. NO.: STP-0029-03(015) COUNTY: MARSHALL FILENAME: DI_SH.DGN DESIGN TEAM GARVER CHECKED TWB DATE FEB 2016	WORKING NUMBER DI-2 SHEET NUMBER 3
2/17/16	DATE					
ADDED SHEET AND UPDATED TOTALS	REVISION					



