

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	BR-0041-01(011)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

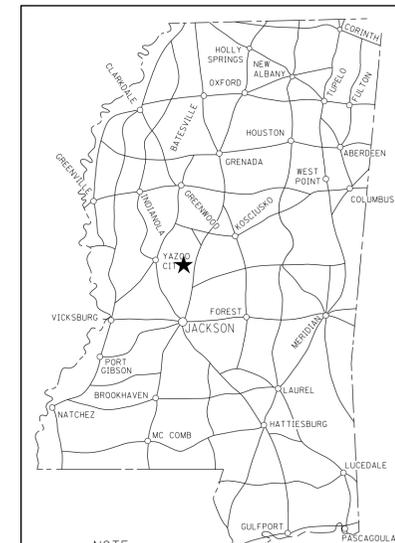
# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0041-01(011)

SR 17 BRIDGE REPLACEMENT NORTH OF LEXINGTON (BR.#'S 45.9, 47.3, 51.9) HOLMES COUNTY

100435/301000

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" type="checkbox"/> PERMANENT SIGNS .....	32
<input type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input 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 checked="" type="checkbox"/> BRIDGE .....	8001
<input checked="" type="checkbox"/> CROSS SECTIONS .....	9001



NOTE  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 33° 13' 27" N LONG. 90° 02' 29" W (APPROX. MIDDLE OF PROJECT)

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 5000 FT.



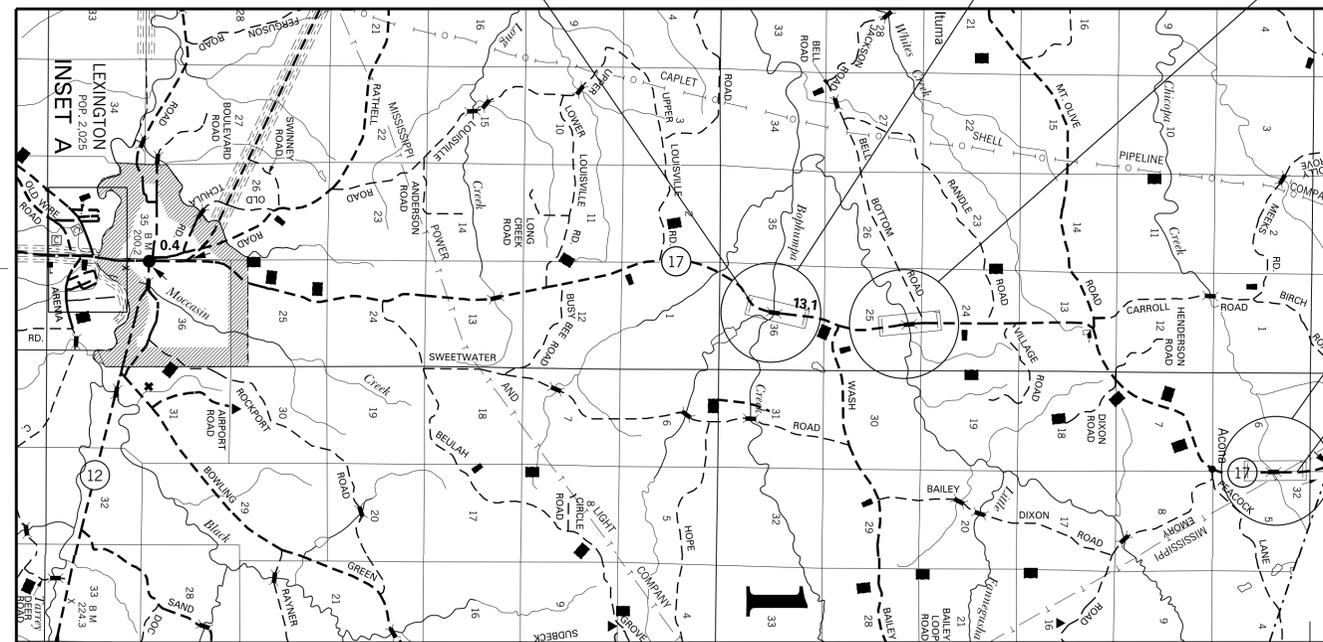
B.O.P.  
STA 273 + 85.760

SITE 1  
BR. #45.9

SITE 2  
BR. #47.3

BRIDGE STRUCTURES REQ'D.

- SITE #1  
BRIDGE #45.9  
STA. 288 + 74.21  
BRIDGE LENGTH 261.92'  
SPANS REQUIRED 3@40', 1@80', AND 1@60'
- SITE #2  
BRIDGE #47.3  
STA. 366 + 18.86  
BRIDGE LENGTH 222.27'  
SPANS REQUIRED 1@60', 1@100', AND 1@60'
- SITE #3  
BRIDGE #51.9  
STA. 609 + 24.88  
BRIDGE LENGTH 181.25'  
SPANS REQUIRED 3@60'



SITE 3  
BR. #51.9

E.O.P.  
STA 619 + 96.257

GPS CONTROL NOTES

HORIZONTAL DATUM: NAD	MS WEST ZONE (US SURVEY FEET)	
HORIZONTAL MONUMENT	NORTH	EAST
HOL1	1347558.6713	2385073.3281
HOL2	1348726.9214	2385207.4372
HOL3	1353702.4855	2385941.6136
HOL4	1354844.1756	2385851.4582
HOL5	1374770.7645	2393751.0894
HOL6	1375775.7071	2393688.5278
KEIRN2	1372860.8139	2330324.9210
LEX	1318915.2267	2390644.7798

VERTICAL DATUM: NAVD	(US SURVEY FEET)
VERTICAL MONUMENT	ELEVATION
HOL1	257.0246
HOL2	249.6903
HOL3	272.3949
HOL4	243.8955
HOL5	308.9433
HOL6	310.3788
KEIRN2	119.1106
LEX	322.1823

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES PROJECT AVERAGE

GROUND TO GRID (COMBINED) FACTOR	0.999959124
GRID TO GEODETIC AZIMUTH	0° 09' 35.78996"

EQUATIONS

SITE #1 STA 298 + 41.416 BK = STA 299 + 96.960 AH = -155.544  
 SITE #2 STA 379 + 19.00 BK = STA 378 + 99.96 AH = 19.04

LENGTH DATA

LENGTH OF ROADWAY	6,115,504 FT.	1.158 MI.
LENGTH OF BRIDGES	665,440 FT.	0.126 MI.
LENGTH OF PROJECT (NET)	6,780,944 FT.	1.284 MI.
LENGTH OF EXCEPTIONS		
LENGTH OF PROJECT (GROSS)	6,780,944 FT.	1.284 MI.

EXCEPTIONS

DESIGN CONTROL		
65 MPH = V (SPEED DESIGN)		
ADT (2008) = 1,400 ; ADT (2028) = 2,100		
DHV = 210 ; D = 60 % T = 9 %		
PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/> N	<input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input type="checkbox"/> N	<input type="checkbox"/> N
GENERAL*	<input type="checkbox"/> N	<input type="checkbox"/> N
INDIVIDUAL (404)*	<input type="checkbox"/> N	<input type="checkbox"/> N
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR		
STORMWATER PERMIT <input checked="" type="checkbox"/> Y		
Y	REQUIRED (NOI SUBMITTED BY MDOT (DISTRIBUTED 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: _____ DATE: _____		

P S & E DATE: 8/2014

APPROVED: \_\_\_\_\_  
 DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER  
 \_\_\_\_\_  
 EXECUTIVE DIRECTOR



9/19/2014 1:01:34 AM T1 TLE.DGN

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

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WKG. NO. SH. NO.

TITLE SHEET (1)		1	SPECIAL DESIGN SHEETS (CONT.)		
DETAILED INDEX & GENERAL NOTES (3)			DITCH CHECK STRUCTURES TYPICAL APPLICATIONS AND DETAILS	ECD-4	51
DETAILED INDEX	DI-1	2	TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE	ECD-5	52
DETAILED INDEX	DI-2	3	AND HAY BALE DITCH CHECKS		
GENERAL NOTES	GN-1	4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	53
TYPICAL SECTION SHEETS (3)			DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	54
MAINLINE - NEW CONSTRUCTION AND WIDENING & OVERLAY	TS-1	5	ROCK DITCH CHECK	ECD-8	55
MAINLINE - REMOVAL OF EXISTING EMBANKMENT AND DETAIL OF WIDENING	TS-2	6	ROCK DITCH CHECK WITHSUMP EXCAVATION	ECD-9	56
LOCAL ROADS	TS-3	7	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	ECD-10	57
QUANTITY SHEETS (7)			INLET PROTECTION DETAILS FOR COURSE AGGREGATE ON GRADES AND SAGS	ECD-11	58
SUMMARY OF QUANTITIES	SQ-1	8	INLET PROTECTION DETAILS OF WATTLES	ECD-12	59
SUMMARY OF QUANTITIES	SQ-2	9	INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-13	60
SUMMARY OF QUANTITIES	SQ-3	10	INLET PROTECTION DETAILS OF SAND BAG	ECD-14	61
ESTIMATED QUANTITIES - REMOVAL ITEMS, EARTHWORK, GUARD RAIL, & COMBINATION C & G	EQ-1	11	STABILIZED CONSTRUCTION ENTRANCE	ECD-15	62
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES, DRIVEWAYS, SIDE DRAINS, & BOX CULVERTS	EQ-2	12	TEMPORARY CULVERT STREAM CROSSING	ECD-16	63
ESTIMATED QUANTITIES - PERM. SIGNS, BRIDGE END PAVEMENT, & TRAFFIC CONTROL SUMMARY	EQ-3	13	TEMPORARY STREAM DIVERSION	ECD-17	64
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS	EQ-4	14	TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)	ECD-18	65
PLAN & PROFILE SHEETS (5)			FLOATING TURBIDITY CURTAIN	ECD-19	66
MAINLINE RELOCATION @ BRIDGE NO. 45.9 - B.O.P. TO STA 301+50	3	15	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-20	67
MAINLINE RELOCATION @ BRIDGE NO. 47.3 - STA 355+50.568 TO STA 378+50	4	16	GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)	GR-2F	68
LOCAL ROAD INTERSECTION - BELL BOTTOM ROAD	4A	17	GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)	GR-2G	69
MAINLINE RELOCATION @ BRIDGE NO. 51.9 - STA 601+23.441 TO E.O.P.	5	18	GUARDRAIL: RUB RAIL HARDWARE SHEET	GR-RR	70
LOCAL ROAD INTERSECTION - MONROE ROAD	5A	19	32" BRIDGE END PAVEMENT RAIL	BE-PR-1	71
SPECIAL DESIGN SHEETS (68)			33.5" BRIDGE END PAVEMENT RAIL	BE-PR-1B	72
DETAIL OF CONSTRUCTION SIGNING	DCS-1	20	BRIDGE END PAVEMENT WITH RAIL AND OVERLAY	BE-1C	73
TRAFFIC CONTROL PLAN - SITE 1	TC-1	21	TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SDSN-8	74
TRAFFIC CONTROL PLAN - SITE 2	TC-2	22	SUPERELEVATION CASE I ROTATION ABOUT CENTERLINE (3% NORMAL SUBGRADE)	SDSE-2B	75
TRAFFIC CONTROL PLAN - SITE 3	TC-3	23	MISCELLANEOUS DETAIL SHEET	MD-1	76
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-10	24	BARREL DROP CONNECTION	BD-1	77
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	25	BARREL JOINT LOCATIONS - NORMAL & SKEWED CULVERTS	SD-IBJL-1	78
PAVEMENT MARKING DETAILS - SITE 1	PMD-1	26	COLLAR DETAILS FOR BOX STRUCTURES	SD-ICJ-1	79
PAVEMENT MARKING DETAILS - SITE 2	PMD-2	27	SKEWED COLLAR DETAILS FOR BOX STRUCTURES	SD-ICJS	80
PAVEMENT MARKING DETAILS - SITE 3	PMD-3	28	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL		
2-LANE, 2-WAY CLEAR RAISED MARKERS ON SIDE ROADS	CRPMSR-2	29	HEIGHTS 4 - 12 FT. - SPANS 4 - 24 FT.	SD-IWS-3	81
DETAILS OF RUMBLE STRIPS (GROUND-IN)	SDRS-1	30	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL		
RUMBLE STRIPES (GROUND-IN) 2 LANE	RS-2L	31	HEIGHTS 4 - 12 FT. - SPANS 4 - 24 FT.	SD-IWS-3A	82
PERMANENT SIGNING PLAN - SITE 1	PSP-1	32	BOX CULVERT DRAWING - 30° SKEW DETAILS - WINGS WITH 3:1 SLOPE		
PERMANENT SIGNING PLAN - SITE 2	PSP-2	33	SINGLE & DOUBLE CELL CULVERTS	SD-ISK-30-3W	83
PERMANENT SIGNING PLAN - SITE 3	PSP-3	34	BOX CULVERT DRAWING - IBS CULVERTS MODIFIED FOR HIGH COVER -		
SIGNING DETAILS FOR 2-LN & 4-LN BRIDGE APPROACHES	BSD-1	35	WINGS WITH 3:1 SLOPE	SD-IBSM-3W	84
RIGHT-OF-WAY MARKER	RW-1	36	VERTICAL BOX CULVERT BENDING DETAIL	VBCB-1	85
RIGHT-OF-WAY MARKER COORDINATES	ROW-CO	37	DRIVEWAYS, CURB & GUTTER & SIDEWALK	SDSD-1	86
VEGETATION SCHEDULE	VS-1	38	BREAKAWAY SIGN SUPPORT	SDSN-6B	87
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	39			
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCMENT MAT	DT-1A	40			
TYPICAL TEMPORARY EROSION CONTROL MEASURES	TEC-2	41			
SUPER SILT FENCE	SSF-1	42			
PRELIMINARY EROSION CONTROL PLANS - MAINLINE RELOCATION @ BRIDGE NO. 45.9	ECP-3	43			
PRELIMINARY EROSION CONTROL PLANS - MAINLINE RELOCATION @ BRIDGE NO. 47.3	ECP-4	44			
PRELIMINARY EROSION CONTROL PLANS - LOCAL ROAD INTERSECTION - BELL BOTTOM ROAD	ECP-4A	45			
PRELIMINARY EROSION CONTROL PLANS - MAINLINE RELOCATION @ BRIDGE NO. 51.9	ECP-5	46			
PRELIMINARY EROSION CONTROL PLANS - LOCAL ROAD INTERSECTION - MONROE ROAD	ECP-5A	47			
TYPICAL TEMPORARY EROSION SEDIMENT CONTROL APPLICATIONS	ECD-1	48			
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	49			
DETAILS OF SILT FENCE INSTALLATION	ECD-3	50			

PS & E PLANS - 8/20/14		
FMS CON. # 100435/301000		
REVISIONS		
DATE	SHEET NO.	BY

PICKERING FIRM, INC.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. BR-0041-01(011) COUNTY : HOLMES	
FILENAME: di.dgn	WORKING NUMBER DI-1
DESIGN TEAM	SHEET NUMBER 2



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	BR-0041-01(011)

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

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STANDARD DRAWINGS - ROADWAY SHEETS (29)

PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	PM-1	6120
EROSION CONTROL		EC-1	6140
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)		TEC-3	6144
GUARDRAIL: "W" BEAM (WOOD POSTS)	03-01-02	GR-1	6180
GUARDRAIL: THRIE BEAM (WOOD POSTS)	03-01-02	GR-1A	6181
GUARDRAIL: "W" BEAM (STEEL POSTS)	03-01-02	GR-1B	6182
GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)	03-01-02	GR-1C	6183
GUARDRAIL: TYP. INSTALLATION AT BRIDGE APPROACHES - 2-LN, 2-WAY HWY	12-01-99	GR-4A	6195
GUARDRAIL: MISCELLANEOUS HARDWARE	03-01-02	GR-HW	6202
ROUTE SHIELDS & "EXIT ONLY" PANELS	10-01-98	SN-2	6221
STANDARD ROADSIDE SIGNS		SN-3	6222
STANDARD ROADSIDE SIGNS		SN-3A	6223
STANDARD ROADSIDE SIGNS	03-01-02	SN-3B	6224
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	6225
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	6226
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4B	6227
BREAKAWAY SIGN SUPPORTS		SN-6	6229
BREAKAWAY SIGN SUPPORTS		SN-6A	6230
TYPICAL GUARDRAIL DELINEATION	03-01-02	SN-8C	6236
TRAFFIC CONTROL PLAN W/FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)		TCP-1	6250
SHORT DURATION CLOSING OF 2-LN, 2-WAY, HIGHWAYS	10-01-98	TCP-8	6257
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS & 2-LANE ROADS	12-01-99	TCP-11	6260
TRAFFIC CONTROL PLAN: UNEVEN PAVEMENT DETAILS		TCP-14	6263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LN & 4-LN DIVIDED HIGHWAYS	12-01-99	TCP-15	6264
RURAL DRIVEWAYS		RD-1	6271
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS		GT-1	6272
MISCELLANEOUS DETAIL SHEET: STACKED PIPE JOINTS; EXCAVATION AT GRADE POINTS		MDS-1	6290
PIPE CULVERT INSTALLATION		PI-1	6300
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328

STANDARD DRAWINGS - BRIDGE (2)

BASIC CULVERT DRAWINGS - SINGLE CELL - HEIGHT 6 FT - SPANS 6-20 FT.	IBS-6-2W	7007
BASIC CULVERT DRAWINGS - SINGLE CELL - HEIGHT 6 FT - SPANS 6-20 FT.	IBS-6-2W	7008

SPECIAL DESIGN SHEETS - SEE BRIDGE SHEETS BEGINNING ON 8001

CROSS SECTIONS (19)

MAINLINE RELOCATION @ BRIDGE NO. 45.9	9001-9007
MAINLINE RELOCATION @ BRIDGE NO. 47.3	9008-9013
MAINLINE RELOCATION @ BRIDGE NO. 51.9	9014-9019

TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS) = 137

DATE \$ TIME \$

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. BR-0041-01(011) COUNTY : HOLMES	
WORKING NUMBER DI-2	SHEET NUMBER 3
FILENAME: di.dgn	DESIGN TEAM _____ CHECKED _____ DATE _____



