FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	IM–0010–01(125)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

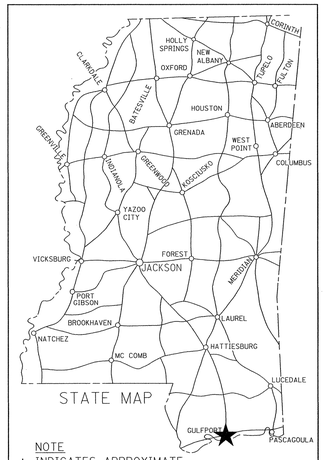
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. IM–0010–01(125)

INTERSTATE HIGHWAY NO.10 BETWEEN WOLF RIVER AND SHORECREST ROAD HARRISON COUNTY

FMS # 104522/301000

SCALES

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

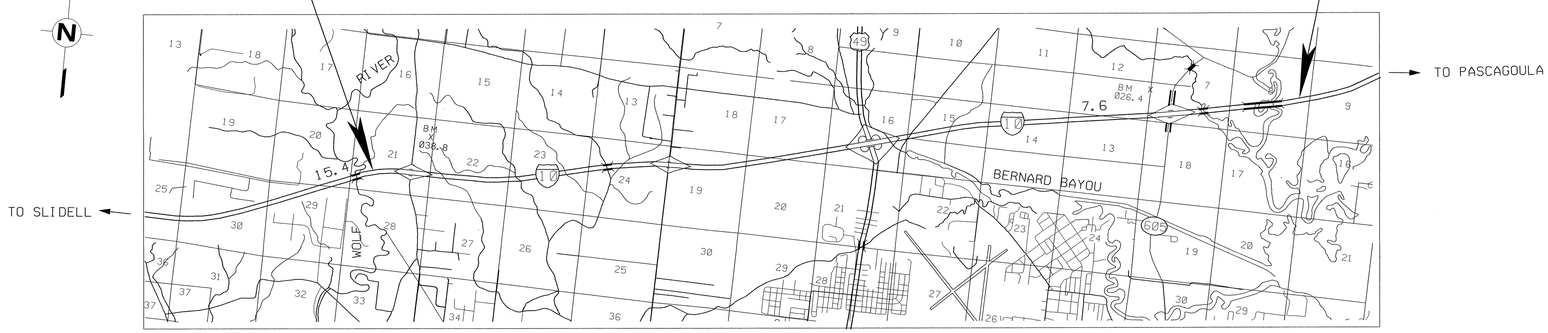


NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. N30°25'35" LONG. W089°07'27"
(APPROX. MIDDLE OF PROJECT)

B.O.P. Sta. 480 + 00

E.O.P. Sta. 1511 + 40.133



DESIGN CONTROL

70 MPH = V (SPEED DESIGN)

ADT (2011) = 68,000 : ADT (2031) = 101,000

DHV = 10,000 : D = 55 % T= 15 %

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	N
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: TOR DATE: 11/16/10

CONVENTIONAL SYMBOLS

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

EQUATIONS

RURAL

STA. 499 + 09.330 = 499 + 08.410 + 0.92 ft.
STA. 801 + 40.000 = 1183 + 71.200 –38,231.20 ft.

EXCEPTIONS NONE

LENGTH DATA

LENGTH OF ROADWAY	60,894.19 FT.	11.532 MI.
LENGTH OF BRIDGES	11,381.61 FT.	2.156 MI.
LENGTH OF PROJECT (NET)		MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	72,275.80 FT.	13.688 MI.

46

APPROVED:
CHIEF ENGINEER 11/16/10 DATE

EXECUTIVE DIRECTOR 11/16/10 DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

REVISIONS | BY | DATE

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

11/12/2010 07:35:22 TITLE SHEET.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	IM-0010-01(125)

DESCRIPTION OF SHEET	REVISION DATE	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)			
TYPICAL SECTION - MAIN FACILITY- STA. 460+00 (BOP) TO STA. 715+00		TS-1	4
TYPICAL SECTION - MAIN FACILITY- STA. 715+00 TO STA. 1511+40.133 (EOP)		TS-2	5
TYPICAL SECTION - COUNTY FARM ROAD		TS-3	6
TYPICAL SECTION - INTERCHANGE RAMPS AT US 49 AND COUNTY FARM ROAD		TS-4	7
TYPICAL SECTION - US 49 INTERCHANGE LOOPS		TS-5	8
TYPICAL SECTION - INTERCHANGE RAMPS AT CANAL ROAD		TS-6	9
TYPICAL SECTION - INTERCHANGE RAMPS AT SR 605		TS-7	10
TYPICAL SECTION - PAVING DETAILS AT BRIDGE ENDS AND RAMPS		TS-8	11
TYPICAL SECTION - RUMBLE STRIPS (GROUND IN)		TS-9	12
TYPICAL SECTION - PAVING DETAILS AT ENTRANCE AND EXIT RAMPS		TS-10	13
QUANTITY SHEETS (10)			
SUMMARY OF QUANTITIES		SQ-1	14
SUMMARY OF QUANTITIES		SQ-2	15
SUMMARY OF QUANTITIES		SQ-3	16
ESTIMATED QUANTITIES - GUARD RAIL REMOVAL		EQ-1	17
ESTIMATED QUANTITIES - GUARD RAIL REQUIRED - LEFT LANE		EQ-2	18
ESTIMATED QUANTITIES - GUARD RAIL REQUIRED - RIGHT LANE		EQ-3	19
ESTIMATED QUANTITIES - GUARD RAIL REQUIRED - RAMPS & LOCAL ROADS		EQ-4	20
ESTIMATED QUANTITIES - REMOVAL OF CONCRETE PAVEMENT		EQ-6	21
ESTIMATED QUANTITIES - BRIDGE DECK JOINT REPAIR		EQ-7	22
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS		TCP-EQ	23
PLAN & PROFILE SHEETS (37)			
STA. 460+00 TO STA. 480+00 (BOP)		3	24
STA. 480+00 (BOP) TO STA. 510+00		4	25
STA. 10+00 TO STA. 40+00 (COUNTY FARM ROAD)		4A	26
NW AND NE RAMPS (COUNTY FARM ROAD)		4B	27
SW AND SE RAMPS (COUNTY FARM ROAD)		4C	28
STA. 510+00 TO STA. 540+00		5	29
STA. 540+00 TO STA. 570+00		6	30
STA. 570+00 TO STA. 600+00		7	31
STA. 600+00 TO STA. 630+00		8	32
STA. 630+00 TO STA. 660+00		9	33
STA. 660+00 TO STA. 690+00		10	34
NW AND NE RAMPS (CANAL ROAD)		10A	35
SW AND SE RAMPS (CANAL ROAD)		10B	36
STA. 690+00 TO STA. 720+00		11	37
STA. 720+00 TO STA. 750+00		12	38
STA. 750+00 TO STA. 780+00		13	39
STA. 780+00 TO STA. 1190+00		14	40
STA. 1190+00 TO STA. 1220+00		15	41
SW RAMP (U.S. 49)		15A	42
SE RAMP (U.S. 49)		15B	43
SW AND SE INTERCHANGE LOOPS (U.S. 49)		15C	44
NW AND NE INTERCHANGE LOOPS (U.S. 49)		15D	45
NE RAMP (U.S. 49)		15E	46
NW RAMP (U.S. 49)		15F	47
STA. 1220+00 TO STA. 1250+00		16	48
STA. 1250+00 TO STA. 1280+00		17	49
STA. 1280+00 TO STA. 1310+00		18	50
STA. 1310+00 TO STA. 1340+00		19	51
STA. 1340+00 TO STA. 1370+00		20	52
STA. 1370+00 TO STA. 1400+00		21	53
STA. 1400+00 TO STA. 1430+00		22	54
SW AND SE RAMPS (S.R. 605)		22A	55
NW AND NE RAMPS (S.R. 605)		22B	56

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
STA. 1430+00 TO STA. 1460+00		23	57
STA. 1460+00 TO STA. 1490+00		24	58
STA. 1490+00 TO STA. 1511+40.08		25	59
STA. 9+77.97 TO STA. 40+00.00 (SHORECREST ROAD)		25A	60
△1 SPECIAL DESIGN ROADWAY ITEMS (20)			
DETAILS OF BRIDGE DECK JOINT REPAIR		BR-1	61
TYPICAL CRC PAVEMENT REPAIR		PR-1A	62
TYPICAL CRC PAVEMENT REPAIR (OPTIONAL WELDING METHOD)		PR-1B	63
DETAIL OF EXISTING 8" REINF. CONCRETE PAVEMENT REPAIR		PR-1C	64
DETAIL OF EXIST. CONC. PAVEMENT JOINT REPAIR		PR-1D	65
TRAFFIC CONTROL PLAN - DETAILS FOR CONSTRUCTION SIGNING		TCP-17	66
TRAFFIC CONTROL PLAN - DETAILS FOR CONSTRUCTION SIGNING		TCP-18	67
MISCELLANEOUS CONSTRUCTION DETAILS - PAVED SHOULDERS AT BRIDGE ENDS		MCD-1	68
TRAFFIC CONTROL DETAILS: DRUM PLACEMENT AND SHOULDER CLOSURE		TCP-SC	69
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS(PARALLEL AND TAPERS)		SDPM-3	70
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS(PARALLEL AND TAPERS)		SDPM-4	71
GUARDRAIL: BRIDGE END SECTIONS- TYPE "I" (STEEL POSTS)		GR-2G	72
GUARDRAIL: BRIDGE END SECTIONS- TYPE "I" (WOOD POSTS)		GR-2F	73
GUARDRAIL: RUB RAIL HARDWARE SHEET		GR-RR	74
TRAFFIC CONTROL PLAN (MEDIAN LANE OR OUTSIDE LANE CLOSURE)(EXTENDED PERIOD		SDTCP-4	75
TRAFFIC RECORDER CLASSIFICATION SYSTEM - 6 LANE DIVIDED ROADWAY LAYOUT PLAN		TRCS-1	76
TRAFFIC RECORDER CLASSIFICATION SHORT TERM PERMANENT SYSTEM - 6 LANE DIVIDED ROADWAY LAYOUT PLAN		TRCS-2	77
VEGETATION SCHEDULE		VS-1	78
△1 DETAILS OF SILT FENCE INSTALLATION		ECD-3	79
△1 DETAILS OF EROSION CONTROL WATTLE DITCH CHECK		ECD-6	80
STANDARD ROADWAY DRAWINGS (17)			
△1 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 24'-0" WIDE		CRP-1	101
△1 PAVEMENT MARKING DETAILS FOR 2-LANE AND 4- LANE DIVIDED HIGHWAYS	(12-01-99)	PM-1	120
PAVEMENT MARKING LEGEND DETAILS		PM-6	125
GUARDRAIL: "W' BEAM (STEEL POSTS)	(03-01-02)	GR-1B	182
GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)	(03-01-02)	GR-1C	183
GUARDRAIL: BRIDGE END SECTIONS- TYPE "D" MODIFIED		GR-2B	186
GUARDRAIL: TYPE 1 CABLE ANCHORAGE (CONCRETE FOOTING)	(03-01-02)	GR-3A	193
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	(12-01-99)	GR-4	194
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAYS	(12-01-99)	GR-4A	195
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS	(03-01-02)	GR-4C	197
GUARDRAIL: MISCELLANEOUS HARDWARE	(03-01-02)	GR-HW	202
TYPICAL GUARDRAIL DELINEATION	(03-01-02)	SN-8C	236
TRAFFIC CONTROL PLAN WITH FLAGGER (1-LANE CLOSURE OF TWO-WAY TRAFFIC)		TCP-1	250
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH		TCP-5	254
(INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)			
DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMPS		TCP-12	261
TRAFFIC CONTROL PLANS FOR UNEVEN PAVEMENT DETAILS		TCP-14	263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	(12-01-99)	TCP-15	264
△1 TOTAL NUMBER OF SHEETS (97)			

PS & E PLANS-DATE 11/16/10		
FMS CON. # 104522/301000		
REVISIONS		
DATE	SHEET NO.	BY
12/08/10	3, 4, 5, 10, 13, 14,	JDA
	36 ,43	
01/12/11	2, 4, 8, 62, 63, 64	KRS
	79, 80, 101, 103	

46

DATE	REVISION	BY
01/12/11	ADDED AND DELETED SHEETS	KRS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

IM-0010-01(125)
HARRISON COUNTY

FILENAME: DI-1.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER
DI-1

SHEET NUMBER
2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/13/2011 8:38 AM DI-1.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	IM-0010-01(125)

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-A, 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 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.
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. MILLED SURFACES MUST BE OVERLAYED THE SAME NIGHT THEY ARE MILLED. TRAFFIC SHALL NOT BE ALLOWED TO TRAVEL ON A MILLED SURFACE.
17. NO LANE CLOSURES WILL BE PERMITTED BETWEEN THE HOURS OF 6:00 AM AND 7:00 PM

DATE	REVISION	BY
12/8/10	ADDED NOTE	KRS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

IM-0010-01(125)
HARRISON COUNTY

WORKING NUMBER
GN-1

SHEET NUMBER
3

FILENAME: GNOTES.DGN
DESIGN TEAM_____ CHECKED_____ DATE_____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

12/7/2010 1:01:03 GNOTES.DGN