

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	2
GENERAL NOTES	1
TYPICAL SECTIONS	3
QUANTITIES	7
PLAN AND PROFILES	5
SPECIAL DESIGN - ROADWAY ITEMS	50
BRIDGE DRAWINGS	26
SPECIAL DESIGN - BRIDGES	1
CROSS-SECTIONS	25
TOTAL SHEETS	121

005-07-06

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0008-01(084)

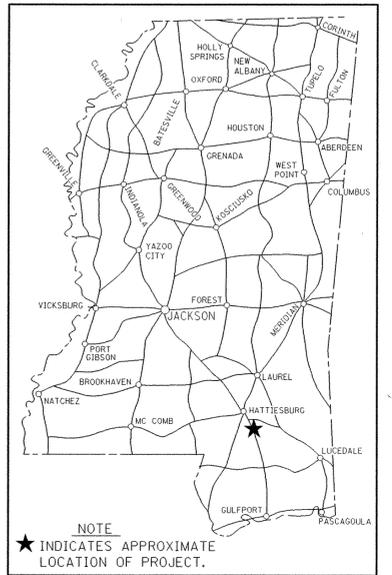
BRIDGE REPLACEMENT CROSSING OF MYERS CREEK (BRIDGES 62.5 A, B) ON U.S. HWY. 49 APPROXIMATELY 0.9 MILES SOUTH OF US 98 NEAR HATTIESBURG, MS FORREST COUNTY

SCALES

PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 3000 FT.

100677/302000 CONSTRUCTION

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0008-01(084)	1

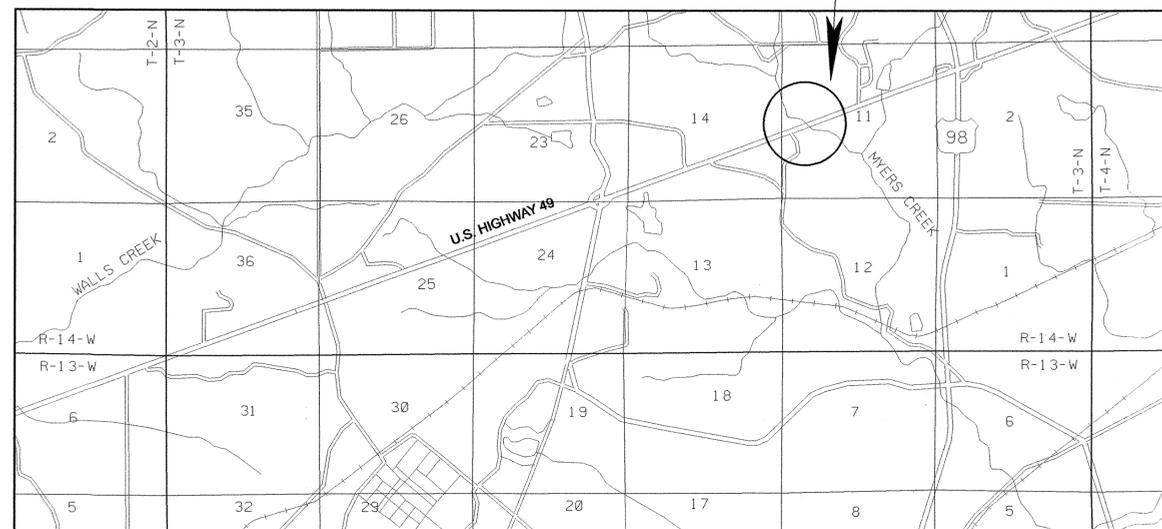


BRIDGE STRUCTURES REQ'D.

STATION 705+13.18 TO STATION 706+34.82
3 @ 40' SPAN BRIDGE (SOUTHBOUND)
15° RIGHT-FORWARD SKEW

STATION 705+47.18 TO STATION 707+08.82
4 @ 40' SPAN BRIDGE (NORTHBOUND)
15° RIGHT-FORWARD SKEW

BOX BRIDGES REQ'D.



GPS CONTROL NOTES

COORDINATES DERIVED FROM GPS SURVEY TIED TO:
NAD' 83/93 MS EAST ZONE US FT

CONTROL STATION	NORTH	EAST
SHELBY	612259.071	872865.266
EDM BASELINE SOUTH AZ MK 634706.044		846692.103

VERTICAL DATUM
NAD 88

ALL AZIMUTHS AND DISTANCES ARE

NAD' 83/93	MS EAST	ZONE GRID VALUES US FT
CONVERSION VALUES	BOP	EOP
GROUND TO GRID FACTOR	0.99995890	0.99996289
GRID TO GROUND CORRECTION	1.00004110	1.00003710
GRID TO GEODETIC AZIMUTH	-00°13'00"	-0°13'47"

DESIGN CONTROL

65 MPH = V (SPEED DESIGN)

ADT (2010) = 23,000 ; ADT (2030) = 45,000

DHV = 5000 ; D = 60 % T = 14 %

PERMITS ACQUIRED BY MDT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	Y	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	Y
INDIVIDUAL (404)*	N	N

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

STORMWATER PERMIT Y

Y REQUIRED, CNDI SUBMITTED BY MDT (DISTRIBUTED AREA - 5 ACRES + INTB 6484)

S REQUIRED, SCNDI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES/INTB 6483)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: CKP DATE: 5/9/06

CONVENTIONAL SYMBOLS

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

EQUATIONS

LENGTH DATA

LENGTH OF ROADWAY	1678.61	FT.	0.318	ML.
LENGTH OF BRIDGES	121.64	FT.	0.023	ML.
LENGTH OF PROJECT (NET)	1800.25	FT.	0.341	ML.
LENGTH OF EXCEPTIONS				
LENGTH OF PROJECT (GROSS)	1800.25	FT.	0.341	ML.

MEASURED ALONG CENTERLINE OF SOUTHBOUND LANES

EXCEPTIONS

REVISIONS	DATE	BY	APPROVED:	DATE
			<i>Alan Lee James</i>	5/9/06
			CHIEF ENGINEER	
			<i>Samuel D. ...</i>	5-9-06
			EXECUTIVE DIRECTOR	
			MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
			APPROVED:	
			DIVISION ADMINISTRATOR	DATE
			FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (3)			
DETAILED INDEX		DI-1	2
GENERAL NOTES		GN-1	3
DETAILED INDEX (BRIDGE)		DI-BR	4
TYPICAL SECTIONS (3)			
TYPICAL SECTION - HIGHWAY 49 MAINLINE AND BRIDGE END DETAIL		TS-1	5
TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROAD		TS-2	6
MISCELLANEOUS TYPICAL SECTION DETAILS - ONE-WAY TRAFFIC		TS-3	7
QUANTITY SHEETS (4)			
SUMMARY OF QUANTITIES		SQ-1	8
SUMMARY OF QUANTITIES		SQ-2	9
SUMMARY OF QUANTITIES		SQ-3	10
SUMMARY OF QUANTITIES (BRIDGE)		SQ-BR	11
ESTIMATED QUANTITIES (3)			
ESTIMATED QUANTITIES		EQ-1	12
ESTIMATED QUANTITIES TRAFFIC CONTROL SIGNS		TCPQ-1	13
ESTIMATED QUANTITIES (BRIDGE ITEMS)		EQ-BR	14
PLAN & PROFILE SHEETS (5)			
MAINLINE - SOUTHBOUND STA. 696+00.000 to 714+00.250		WK 3L	15
MAINLINE - NORTHBOUND STA. 699+00.000 to 714+00.250		WK 3R	16
MAINLINE - SOUTHBOUND DETOUR		WK 3A	17
MAINLINE - NORTHBOUND DETOUR		WK 3B	18
MAINLINE - PHASE 5		WK 3FG	19
SPECIAL DESIGN SHEETS (18)			
VEGETATION SCHEDULE		VS-1	20
CONSTRUCTION SIGNING		CS-1	21
TRAFFIC CONTROL PLAN - SOUTHBOUND		TC-1	22
TRAFFIC CONTROL PLAN - NORTHBOUND		TC-2	23
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)		GR-2F	24
GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)		GR-2G	25
GUARDRAIL: RUB RAIL HARDWARE SHEET		GR-RR	26
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS		TGR-1	27
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE		TCP-SC	28
RIGHT-OF-WAY MARKER		RW-1	29
LOCATION OF R-13 SIGNS		R16-3	30
SPECIAL DESIGN: RUMBLE STRIPS (GROUND-IN) FOR 4-LANE DIVIDED ROADWAYS WITH 2-FOOT PAVED SHOULDER			31
PERMANENT SIGNING PLANS		PSP-1	32
PERMANENT SIGNING DETAILS		PSD-1	33
PERMANENT SIGNING DETAILS		PSD-2	34
DIRECTIONAL SIGN QUANTITIES		DSQ-1	35
STANDARD ROADSIDE SIGN QUANTITIES		SRS-1A	36
STANDARD ROADSIDE SIGN QUANTITIES		SRS-2	37
BRIDGE END PAVEMENT		BE-1A	38

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

STANDARD DRAWINGS - ROADWAY SHEETS (32) OCT. 1, 1998 VERSION			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12/01/99	PM-1	120
EROSION CONTROL		EC-1	140
TYPICAL TEMPORARY EROSION CONTROL MEASURES		TEC-1	142
DETAILS OF DITCH TREATMENT		DT-1	145
GUARD RAIL: "W" BEAM (WOOD POSTS)	3-01-02	GR-1	180
GUARD RAIL: THRIE BEAM (WOOD POSTS)	3-01-02	GR-1A	181
GUARD RAIL: "W" BEAM (STEEL POSTS)	3-01-02	GR-1B	182
GUARD RAIL: THRIE BEAM (STEEL POSTS)	3-01-02	GR-1C	183
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	12-01-99	GR-4	194
GUARD RAIL : MISCELLANEOUS HARDWARE	3-01-02	GR-HW	202
STANDARD DIRECTIONAL (GUIDE) SIGNS	3-01-02	SN-1	220
STANDARD ROADSIDE SIGNS		SN-3	222
STANDARD ROADSIDE SIGNS		SN-3A	223
STANDARD ROADSIDE SIGNS	3-01-02	SN-3B	224
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	225
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	226
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4B	227
TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS		SN-5	228
BREAKAWAY SIGN SUPPORTS		SN-6	229
BREAKAWAY SIGN SUPPORTS		SN-6A	230
BREAKAWAY SIGN SUPPORTS		SN-6B	231
SIGN FACE CONSTRUCTION AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	3-01-02	SN-7	232
TYPICAL GUARD RAIL DELINEATION	3-01-02	SN-8C	236
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO WAY TRAFFIC)		TCP-1	250
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS		TCP-10	259
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	12-01-99	TCP-11	260
TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS		TCP-14	263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	TCP-15	264
RURAL DRIVEWAYS		RD-1	271
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS		GT-1	272
SUPERELEVATION TRANSITION CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	3-01-02	SE-2A	276
BRIDGE SHEETS (27)			466-491
CROSS SECTIONS (25)			
PHASE 1			901-905
PHASE 2			906-910
PHASE 3			911-915
PHASE 4			916-920
PHASE 5			921-925
TOTAL SHEETS (121)			

2/25/2008 11:17AM 01.DGN

HELMS

PS & E PLANS-DATE:05/12/06		
FMS CON. # ...100677/302000...		
REVISIONS		
DATE	SHEET NO.	BY
7/27/06	8,20	DBH
2/25/08	2,9,12,17,38,107	DSP

MISSISSIPPI DEPARTMENT OF TRANSPORTATION		109
DETAILED INDEX		
PROJECT NO. BR-0008-01(084)		WORKING NUMBER
COUNTY : FORREST		DI-1
FILENAME: di.dgn	SHEET NUMBER	
DESIGN TEAM HELMS	CHECKED	DATE
		2

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS BRIDGE DRAWING**

DESCRIPTION OF SHEETS	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 705+13.18 LT. LN. STA. 705+47.18 RT. LN. U.S. 49 OVER MYERS CREEK	1 OF 25	466
BRIDGE AT STA. 705+13.18 LT. LN. STA. 705+47.18 RT. LN. U.S. 49 OVER MYERS CREEK	2 OF 25	467
GENERALIZED SOIL PROFILE - LT. LN.	3 OF 25	468
GENERALIZED SOIL PROFILE - RT. LN.	3.1 OF 25	468.1
END BENT NO. 1L DETAILS	4 OF 25	469
END BENT NO. 1R DETAILS	5 OF 25	470
END BENT NO. 4L DETAILS	6 OF 25	471
END BENT NO. 5R DETAILS	7 OF 25	472
END BENT DETAILS	8 OF 25	473
INT. BENTS NO. 2L & 3L DETAILS	9 OF 25	474
INT. BENTS NO. 2R, 3R & 4R DETAILS	10 OF 25	475
40 FT. SPAN DETAILS - LT. LN.	11 OF 25	476
40 FT. SPAN DETAILS - LT. LN.	12 OF 25	477
40 FT. SPAN DETAILS - LT. LN.	13 OF 25	478
40 FT. SPANS NO. 1R & 2R DETAILS	14 OF 25	479
40 FT. SPANS NO. 1R & 2R DETAILS	15 OF 25	480
40 FT. SPANS NO. 3R & 4R DETAILS	16 OF 25	481
40 FT. SPANS NO. 3R & 4R DETAILS	17 OF 25	482
40 FT. SPAN DETAILS - RT. LN.	18 OF 25	483
MISCELLANEOUS SPAN DETAILS	19 OF 25	484
RAILING DETAILS	20 OF 25	485
40 FT. BEAM DETAILS (END SPAN) - BEAM 40-1 (TYPE 1+2)	21 OF 25	486
40 FT. BEAM DETAILS (INT. SPAN) - BEAM 40-2 (TYPE 1+2)	22 OF 25	487
40 FT. BEAM DETAILS (END SPAN) - BEAM 40-3 (TYPE 1+2)	23 OF 25	488
40 FT. BEAM DETAILS (INT. SPAN) - BEAM 40-4 (TYPE 1+2)	24 OF 25	489
BEARING PAD LAYOUT DETAILS	25 OF 25	490

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
3/10/2008	466 - 490	TKB

**SPECIAL DESIGN SHEETS
DETOUR BRIDGE DRAWING**

DESCRIPTION OF SHEETS	WORKING NUMBER	SHEET NUMBER
U.S. 49 OVER MYERS CREEK STA. 705+60.00	DB1 OF 1	491

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX (BRIDGE)	
PROJECT	100677/302000 BR-0008-01(084)
FORREST COUNTY	WORKING NUMBER DI-BR
DESIGNED: TKB	DATE: 3/10/08
Detailed: TKB	Traced: CADD
Checked: BJJ	Issued: MKC
SHEET NUMBER 4	