

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

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PLAN AND PROFILES	8
SPECIAL DESIGN - ROADWAY ITEMS	23
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CROSS-SECTIONS	26
TOTAL SHEETS	173

① 3-16-06

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY 30
FEDERAL AID PROJECT NO. STP-0044-01(022)

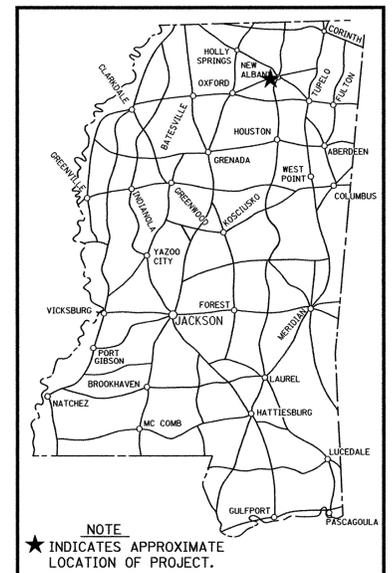
SR 30 BETWEEN LAFAYETTE COUNTY LINE & NEW ALBANY UNION COUNTY

102381/301000 CON

SCALES

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

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	STP-0044-01(022)	1



BRIDGE STRUCTURES REQ'D.

- (A) Bridge # 20.5 Station 1056 + 22.21, 280', 1@40, 2@60, 3@40
- (B) Bridge # 24.3 Station 1258 + 24.21, 140', 1@40, 1@60, 1@40
- (C) Bridge # 24.5 Station 1266 + 81.88, 180', 3@60
- (D) Bridge # 26.8 Station 1385 + 59.13, 140', 1@40, 1@60, 1@40
- (E) Bridge # 29.3 Station 1519 + 24.21, 160', 4@40
- (F) Bridge # 29.4 Station 1524 + 72.21, 250', 1@40, 1@60, 1@90, 1@60

BOX BRIDGE'S REQ'D.

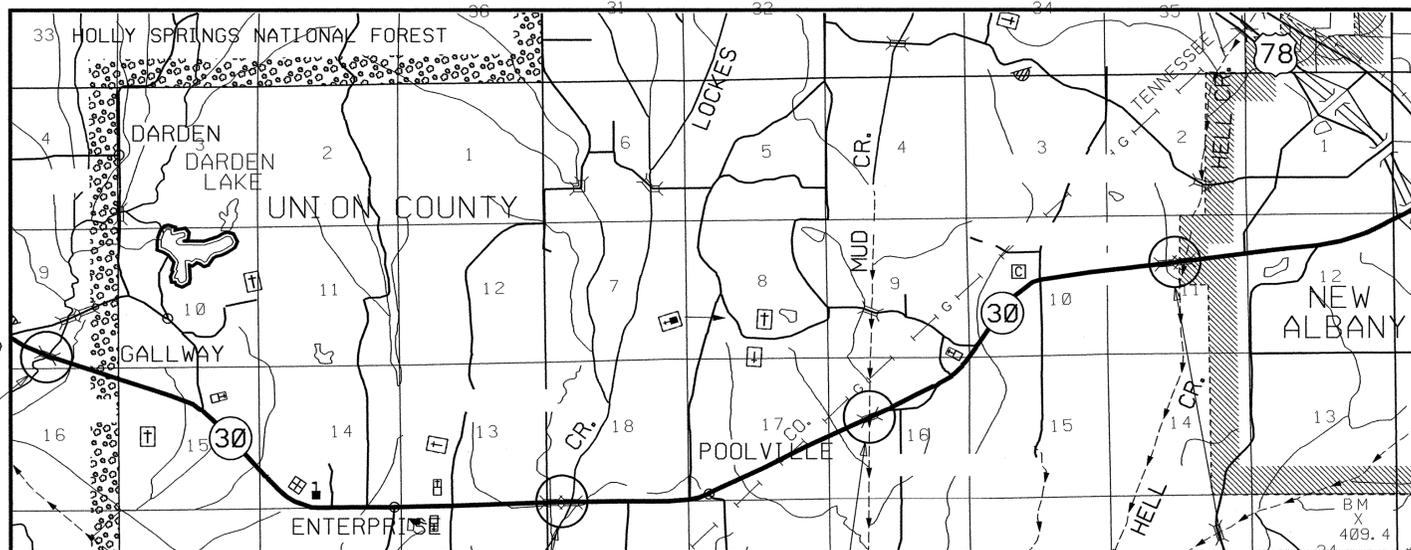
Sta. 1261 + 26 Box Bridge 14'x6' DBL Box Extension

BR Nos. 20.5
SITE 1

BR Nos. 24.3 & 24.5
SITE 2

BR Nos. 26.8
SITE 3

BR Nos. 29.3 & 29.4
SITE 4



DESIGN CONTROL		
65 MPH = V (SPEED DESIGN)		
ADT (2004) = 4800 : ADT (2025) = 7200		
DHV = 790 : D = 50 % T = 20 %		
PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input checked="" 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	<input checked="" type="checkbox"/>	
Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +) (NTB 6484)		
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (NTB 6483)		
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)		
APPROVED BY: <i>[Signature]</i>	DATE: 3-16-2006	

CONVENTIONAL SYMBOLS

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

EQUATIONS

NONE

EXCEPTIONS

NONE

REVISIONS	DATE	BY	APPROVED:	DATE
			<i>[Signature]</i> CHIEF ENGINEER	3/16/06
			<i>[Signature]</i> EXECUTIVE DIRECTOR	
			MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
			APPROVED:	
			DIVISION ADMINISTRATOR	DATE
			FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

1 of 0. REV.

STATE PROJECT NO.
MISS. STP-0044-01(022)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (3)			
DETAILED INDEX	DI-1		2
GENERAL NOTES	DI-2		3
DETAILED INDEX (BRIDGE)	DI-3		4
TYPICAL SECTION SHEETS (4)			
TYPICAL SECTION - NEW CONSTRUCTION & WIDENING & OVERLAY	TS-1		5
TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROAD	TS-2		6
TYPICAL SECTION - NEW CONSTRUCTION WIDENING	TS-3		7
TYPICAL SECTION - MISCELLANEOUS TYPICAL SECTION DETAILS , TWO-WAY TRAFFIC	TS-4		8
QUANTITY SHEETS (9)			
SUMMARY OF QUANTITIES	SQ-1		9
SUMMARY OF QUANTITIES	SQ-2		10
SUMMARY OF QUANTITIES	SQ-3		11
SUMMARY OF QUANTITIES (BRIDGE)	SQ-4		12
ESTIMATED QUANTITIES-ROADWAY	EQ-1		13
ESTIMATED QUANTITIES-ROADWAY	EQ-2		14
ESTIMATED QUANTITIES-ROADWAY	EQ-3		15
ESTIMATED BRIDGE QUANTITIES	EQ-4		16
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	TCP-Q		17
PLAN AND PROFILE SHEETS (8)			
STA. 1043+00.000 TO STA. 1066+00 MAINLINE SITE 1	3		18
STA. 45+00 TO STA. 66+16.93 DETOUR ROAD SITE 1	3A		19
STA. 1250+00 TO STA. 1276+00 MAINLINE SITE 2	4		20
STA. 50+00 TO STA. 76+08.21 DETOUR SITE 2	4A		21
STA. 1378+00 TO STA. 1394+00 MAINLINE SITE 3	5		22
STA. 78+00 TO STA. 94+08.21 DETOUR SITE 3	5A		23
STA. 1513+00 TO STA. 1538+00 MAINLINE SITE 4	6		24
STA. 13+00 TO STA. 34+16.21 DETOUR SITE 4	6A		25
SPECIAL DESIGN SHEETS (23)			
DETAIL OF CONSTRUCTION SIGNING - ADVANCE SIGNING	CS-1		26
TRAFFIC CONTROL PLAN (BRIDGE REPLACEMENT DETOUR - SITE 1)	TCP-1		27
TRAFFIC CONTROL PLAN (BRIDGE REPLACEMENT DETOUR - SITE 2)	TCP-2		28
TRAFFIC CONTROL PLAN (BRIDGE REPLACEMENT DETOUR - SITE 3)	TCP-3		29
TRAFFIC CONTROL PLAN (BRIDGE REPLACEMENT DETOUR - SITE 4)	TCP-4		30
PAVEMENT MARKING DETAILS - SITE 1	PMD-1		31
PAVEMENT MARKING DETAILS - SITE 2	PMD-2		32
PAVEMENT MARKING DETAILS - SITE 3	PMD-3		33
PAVEMENT MARKING DETAILS - SITE 4	PMD-4		34
RUMBLE STRIPES (GROUND-IN)	RS-1		35
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS	TGR-1		36
GUARDRAIL : BRIDGE END SECTION TYPE "I" (STEEL POSTS)	GR-2G		37
GUARDRAIL : BRIDGE END SECTION TYPE "I" (WOOD POSTS)	GR-2F		38
GUARDRAIL : RUB RAIL HARDWARE SHEET	GR-RR		39
RIGHT-OF-WAY MARKER	RW-1		40
RIGHT-OF-WAY MARKER STAMPING	RW-2		41
RIGHT-OF-WAY MARKER STAMPING	RW-3		42
RIGHT-OF-WAY MARKER STAMPING	RW-4		43
RIGHT-OF-WAY MARKER STAMPING	RW-5		44
BASIC CULVERT DRAWING, SINGLE CELL HEIGHT 4 FT, SPANS 4-10 FT	SD-IBS-4-2W		45
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING, SINGLE CELL HEIGHT 4-12 FT, SPANS 4-24 FT	SD-IWS-3		46
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING, SINGLE CELL HEIGHT 4-12 FT, SPANS 4-24 FT	SD-IWS-3A		47
VEGETATION SCHEDULE	VS-1		48

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

STANDARD DRAWINGS-ROADWAY SHEETS (32) ENGLISH (DEC. 1999)			
BRIDGE END PAVEMENT		BE-1	107
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED ROADWAYS	12-01-99	PM-1	120
PAVEMENT MARKING LEGEND DETAILS		PM-6	125
EROSION CONTROL		EC-1	140
TYPICAL TEMPORARY EROSION MEASURES		TEC-1	142
TYPICAL TEMPORARY EROSION MEASURES		TEC-2	143
DETAILS OF DITCH TREATMENT		DT-1	145
GUARDRAIL: "W" BEAM (WOOD POSTS)	3-01-02	GR-1	180
GUARDRAIL: THRIE BEAM (WOOD POSTS)	3-01-02	GR-1A	181
GUARDRAIL: "W" BEAM (STEEL POSTS)	3-01-02	GR-1B	182
GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)	3-01-02	GR-1C	183
GUARDRAIL: TYPE 1 CABLE ANCHORAGE (FOUNDATION TUBE)	3-01-02	GR-3	192
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	195
GUARDRAIL: MISCELLANEOUS HARDWARE	3-01-02	GR-HW	202
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REF. SIGNS		SN-8	233
TYPICAL GUARDRAIL 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	12-01-99	TCP-11	260
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 BETWEEN CUTS & FILLS		GT-1	272
SUPERELEVATION TRANSITION FOR LOCAL FACILITIES (V < 40 MPH)		SE-1	275
SUPERELEVATION TRANSITION CASE 1 ROTATE ABOUT CENTERLINE (2% NORMAL SUBGRADE)	3-01-02	SE-2A	276
MISCELLANEOUS DETAIL SHEET 1, STACKED PIPE JOINTS 2, EXCAVATION AT GRADE POINTS		MDS-1	290
DETAILS OF PAVED FLUMES		PF-1	291
PIPE CULVERT INSTALLATION		PI-1	300
FLARED END SECTION FOR CONCRETE PIPE		FE-1	328
STANDARD DRAWINGS - BRIDGE SHEETS (12)			
BASIC CULVERT DRAWING - BARREL JOINT LOCATIONS - NORMAL & SKEWED CULVERTS GROUP I DIAGRAMS		IBJL-1	366.1
COLLAR DETAILS FOR BOX STRUCTURE (SINGLE, DOUBLE, TRIPLE AND QUADRUPLE)	7-17-98	ICJ-1	367
CULVERT DRAWING - EXTENSION DETAILS FOR LENGTHENING EXISTING BOX CULVERTS		ICX-1	369
BASIC CULVERT DRAWINGS - SINGLE CELL, HEIGHT - 6 FT..	7-17-98	IBS-6-2W	370.1
SPANS - 6-20 FT.			
BASIC CULVERT DRAWING - SINGLE CELL, HEIGHT - 6 FT.		IBS-6-2W	370.2
SPANS - 6-20 FT.			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING, SINGLE CELL, HEIGHTS 6-12 FT., SPANS 6-24 FT.		IWS-3	374
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING, SINGLE CELL, HEIGHTS 6-12 FT., SPANS 6-24 FT.	2-17-99	IWS-3	375.2
BASIC CULVERT DRAWING - DOUBLE CELL, HEIGHT - 6 FT.	7-17-98	IBD-6-2W	383.1
SPANS - 12-32 FT.			
BASIC CULVERT DRAWING - DOUBLE CELL, HEIGHT - 6 FT.		IBD-6-2W	383.2
SPANS - 12-32 FT.			
WINGS WITH 3:1 SLOPE FOR BASIC BOX CULVERT DRAWING, DOUBLE CELL, HEIGHTS 6-12 FT., SPANS 12-40 FT.	7-17-98	IWD-3	387
WINGS WITH 3:1 SLOPE FOR BASIC BOX CULVERT DRAWING, DOUBLE CELL, HEIGHTS 6-12 FT., SPANS 12-40 FT.		IWD-3	388.1
WINGS WITH 3:1 SLOPE FOR BASIC BOX CULVERT DRAWING, DOUBLE CELL, HEIGHTS 6-12 FT., SPANS 12-40 FT.		IWD-3	388.2
SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS (SEE INDEX - SHEET No. 4)			
CROSS SECTIONS (26)			901-926
TOTAL SHEETS			

PLAN ROADWAY DESIGN DIVISION C.A.O.D. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PS & E PLANS-DATE : 3-15-06		
FMS CON. # 102381/301000		
REVISIONS		
DATE	SHEET NO.	BY
4/18/06	2,5,9,10,11,20,21	PBSJ

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		DETAILED INDEX	
DATE		PROJECT NO. STP-0044-01(022)	WORKING NUMBER
DESIGN TEAM		COUNTY : UNION	DI-1
FILENAME: DI.DGN		SHEET NUMBER	
DESIGN TEAM PBS&J CHECKED DND DATE		2	

120

GENERAL NOTES

- ① SOUTH CENTRAL BELL
BCM WATER DISTRICT
NEW ALBANY LIGHT, GAS & WATER
NORTH EAST MS. EPA
HIGHWAY 30 WEST WATER ASSN.
TENNESEE GAS

- ② THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.

- ③ A SOIL PROFILE PREPARED FOR THIS PROJECT ON SAMPLES TAKEN FROM HOLES AT LOCATIONS INDICATED IN THE TEST REPORTS IS ON FILE IN THE DISTRICT AND CENTRAL CONSTRUCTION OFFICES AND IS AVAILABLE FOR EXAMINATION. THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIALS AS SHOWN IN THE REPORTS ARE NECESSARILY TO BE FOUND OUTSIDE THE TEST HOLES.

- ④ 25 % SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

- ⑤ EROSION CHECKS:
QUANTITY ESTIMATED ON THE BASIS OF 4 BALES PER EVERY 25-100 LIN. FT. OF DITCH, 8 BALES PER INLET AND 4 BALES PER PIPE OUTLET. THIS WILL BE REQUIRED AS A TEMPORARY EROSION CONTROL MEASURE TO MINIMIZE SILTATION UNTIL PERMANENT MEASURES ARE INSTALLED. THE ENGINEER WILL DETERMINE THE ACTUAL LOCATION AND NUMBER OF BALES DURING CONSTRUCTION. (SEE WK. NO. TEC-1 FOR DETAILS)

- ⑥ EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.

- ⑦ WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES, THEREFORE THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING AND GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES, SHALL BE INCLUDED IN THE PRICE FOR CONTRACT ITEMS.

- ⑧ FULL COLLARS ARE REQUIRED AT ALL JOINTS ON BOX CULVERTS AND BOX BRIDGES.

- ⑨ FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

- ⑩ VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACK FILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MS. STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.

- ⑪ 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. (ABSORBED ITEM)

ROADWAY DESIGN DIVISION CAD.DWG. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		GENERAL NOTES	
		PROJECT NO. STP-0044-01(022)	WORKING NUMBER
		COUNTY : UNION	DI-2
DATE	REVISION	FILENAME: DI.DGN	SHEET NUMBER
		DESIGN TEAM PBS&J CHECKED DND DATE	3

