

1 st O. REV.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0793-00(002)	1

STATE OF MISSISSIPPI  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE OF PROPOSED STATE HIGHWAY**  
**FEDERAL AID PROJECT NO. BR-0793-00(002)**

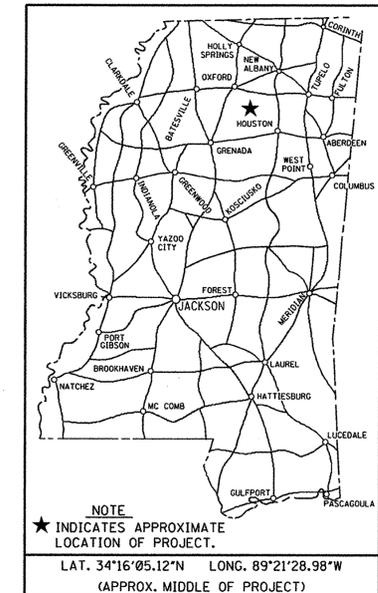
①03-10-09

S.R. 331 REPLACE 3 BRIDGES  
BETWEEN TULA AND SR 334  
LAFAYETTE COUNTY

CON 100297/302000

RATIOS / SCALES

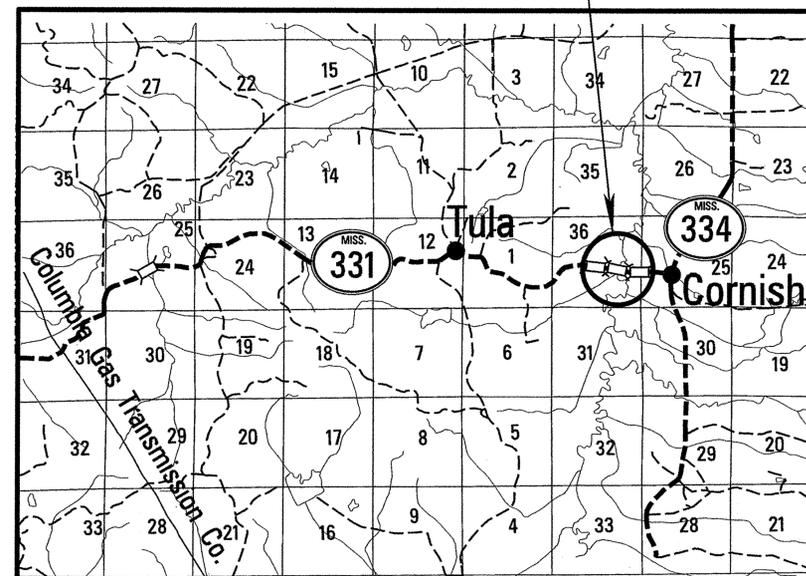
PLAN	1:1000
PROFILE	HOR. 1:1000
	VERT. 1:100
LAYOUT	1:1200



**BRIDGE STRUCTURES REQ'D.**

- STA. 12+572.755 - STA. 12+609.245  
SPAN ARR. (3@12)  
36 m ALONG C
- STA. 12+925.755 - STA. 13+130.245  
SPAN ARR. (1@12, 3@24, 6@12, 1@24, 2@12)  
204 m ALONG C
- STA. 13+268.755 - STA. 13+353.245  
SPAN ARR. (7@12)  
84 m ALONG C

**PROJECT LOCATION**  
BR. #12.8, 13.0 & 13.3



DESIGN CONTROL

90 km/h = V (SPEED DESIGN)

ADT (1996) = 410 ; ADT (2016) = 670

DHV = 80 ; D = 55 % T = 8 %

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 checked="" 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 (DISTRIBUTED AREA = 5 ACRES + INTB 840M)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) INTB 839M

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *CKP* DATE: 3/11/09

**EQUATIONS**

STA. 13+775.000 BK. = STA. 13+778.957 AH. = -3.949

**CONVENTIONAL SYMBOLS**

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

**LENGTH DATA**

LENGTH OF ROADWAY	1176	m
LENGTH OF BRIDGES	324	m
LENGTH OF PROJECT (NET)	1628	m
LENGTH OF EXCEPTIONS	0	m
LENGTH OF PROJECT (GROSS)	1628	m



APPROVED: *[Signature]* 3/11/09  
CHIEF ENGINEER DATE

APPROVED: *[Signature]* 3/11/09  
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR

FEDERAL HIGHWAY ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION

ROADWAY DESIGN  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
LAYOUT SHEET

1st O. REV.

STATE	PROJECT NO.
MISS.	BR-0793-00(002)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1	STANDARD DRAWINGS - ROADWAY SHEETS (32)		
DETAILED INDEX & GENERAL NOTES (3)			BRIDGE END PAVEMENT	BE-1	107
DETAILED INDEX	DI-1	2	PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS (12-01-99)	PM-1	120
GENERAL NOTES	GN-1	3	EROSION CONTROL	EC-1	140
DETAILED INDEX (BRIDGE)	DI-BR	4	TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, & BRUSH BARRIERS)	TEC-1	142
TYPICAL SECTION SHEETS (4)			TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAINS & TYPE "A" SILT BASINS)	TEC-2	143
TYPICAL SECTION - MAIN FACILITY (NEW CONSTRUCTION)	TS-1	5	DETAILS OF DITCH TREATMENT	DT-1	145
TYPICAL SECTION - MAIN FACILITY (WIDENING & OVERLAY)	TS-2	6	GUARD RAIL : "W" BEAM (WOOD POSTS)	GR-1	180
TYPICAL SECTION - BRIDGE END DETAILS	TS-3	7	GUARD RAIL : THRIE BEAM (WOOD POSTS)	GR-1A	181
TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROADS	TS-4	8	GUARD RAIL : "W" BEAM (STEEL POSTS)	GR-1B	182
QUANTITY SHEETS (8)			GUARD RAIL : THRIE BEAM (METAL POSTS)	GR-1C	183
SUMMARY OF QUANTITIES	SQ-1	9	GUARD RAIL : BRIDGE END SECTION - TYPE "I" (WOOD POSTS) (12-01-99)	GR-2F	190
SUMMARY OF QUANTITIES	SQ-2	10	GUARD RAIL : BRIDGE END SECTION - TYPE "I" (STEEL POSTS)	GR-2G	191
SUMMARY OF QUANTITIES (BRIDGE)	SQ-BR	11	GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS (12-01-99)	GR-4	194
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES	EQ-1	12	GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY (12-01-99)	GR-4A	195
ESTIMATED QUANTITIES - EARTHWORK & REMOVAL ITEMS	EQ-2	13	GUARD RAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS (12-01-99)	TGR-1	199
ESTIMATED QUANTITIES - GUARD RAIL / BRIDGE END PAVEMENT	EQ-3	14	MEDIAN BARRIER : CONCRETE (PRECAST)	MB-2A	205
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	EQ-4	15	TYPICAL GUARD RAIL DELINEATION	SN-8C	236
ESTIMATED QUANTITIES (BRIDGE)	EQ-BR	16	TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)	TCP-1	250
PLAN & PROFILE SHEETS (3)			SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS	TCP-8	257
MAIN FACILITY - STA. 12+300 TO STA. 12+700	3	17	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-10	259
MAIN FACILITY - STA. 12+700 TO STA. 13+500	4	18	TRAFFIC CONTROL PLAN - MOBILE OPERATIONS (12-01-99)	TCP-11	260
MAIN FACILITY - STA. 13+500 TO STA. 13+800	5	19	TRAFFIC CONTROL PLAN: UNEVEN PAVEMENT DETAILS (12-01-99)	TCP-14	263
SPECIAL DESIGN SHEETS (7)			TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS (12-01-99)	TCP-15	264
DETAIL OF CONSTRUCTION SIGNING	DCS-1	20	RURAL DRIVEWAYS	RD-1	271
TRAFFIC CONTROL PLAN	TC-1	21	TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS	GT-1	272
TRAFFIC CONTROL PLAN	TC-2	22	SPUR DIKE : EARTH (12-01-99)	ED-1	274
TRAFFIC CONTROL DETAIL DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	23	SUPERELEVATION TRANSITION - CASE I (2.0% NORMAL SUBGRADE)	SE-2A	276
RIGHT-OF-WAY MARKER	RW-1	24	DETAILS OF PAVED FLUMES	PF-1	291
LOCATION OF R16-3 SIGNS	MDS-1	25	PIPE CULVERT INSTALLATION	PI-1	300
VEGETATION SCHEDULE	VS-1	26	CONCRETE PIPE COLLAR	PC-1	301
			FLARED END SECTION FOR CONCRETE PIPE	FE-1	328
			FLARED END SECTION FOR CONCRETE ARCH PIPE	FE-1A	329
			SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS (69)▲		
			BRIDGE AT STA. 12+572.755		466-481▲
			BRIDGE AT STA. 12+925.755		483-517▲
			BRIDGE AT STA. 13+268.755		518-534▲
			CROSS SECTIONS (16)		901-916
			TOTAL SHEETS (80)		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 ROADWAY DESIGN DIVISION  
 CADD SECTION

ABMB ENGINEERS, INC.

PS & E PLANS-DATE 3-10-09		
FMS CON. # 100297/302000		
REVISIONS		
DATE	SHEET NO.	BY
4/29/09	1, 2, 9, 10, 16	BHF

CHANGED TOTALS		BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
				<b>DETAILED INDEX</b>  PROJECT NO. : BR-0793-00(002) LAFAYETTE COUNTY	
					
				WORKING NUMBER DI-1	SHEET NUMBER 2
				FILENAME: INDEX.DGN	
				DESIGN TEAM: ABMB	CHECKED:



