FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR–0018–02(038)	1

STATE OF MISSISSIPPI

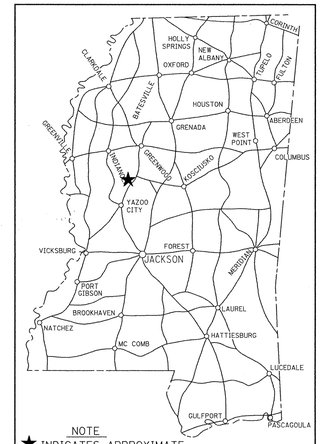
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. : BR–0018–02(038)

①04-10-09

SR 12 BR. NO. 49.6 AT TCHULA LAKE
HOLMES COUNTY

103320 /301000



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 33° 07′ 08 N LONG. 90° 18′ 01 W
(APPROX. MIDDLE OF PROJECT)

SCALES

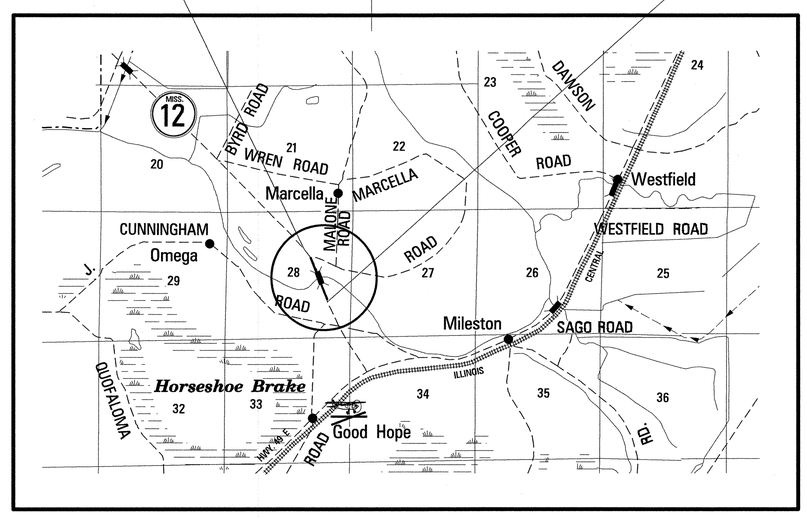
PLAN	1 IN.=	100 FT.
PROFILE HOR.	1 IN.=	100 FT.
PROFILE VERT.	1 IN.=	10 FT.
LAYOUT	1 IN.=	3000 FT.

B.O.P. = STA. 46 + 00

E.O.P = STA. 75 + 50

R 1 W

T 15 N



BRIDGE STRUCTURES REQ'D.

STA. 58 + 25 – STA. 60 + 75
75′ – 100′ – 75′ SPANS REQ'D.
LENGTH ALONG ℄ 250 FT.

BOX BRIDGES REQ'D.

NONE

DESIGN CONTROL

65 MPH = V (SPEED DESIGN)

ADT (200) = 970 : ADT (2028) = 1400

DHV = 140 : D = 60 % T = 36 %

PERMITS ACQUIRED BY MDOT

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

	WATERS	WETLANDS
NATIONWIDE #14	Y	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 Y

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: CKP DATE: 4/6/09

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

LENGTH DATA

LENGTH OF ROADWAY	2,700 FT.	0.511 MI.
LENGTH OF BRIDGES	250.00 FT.	0.047 MI.
LENGTH OF PROJECT (NET)		0.558 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)		0.558 MI.

99

APPROVED: 4/6/09
CHIEF ENGINEER DATE

4/7/09
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

REVISIONS BY DATE

APPROVED:

DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

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

1 st O. REV.

STATE	PROJECT NO.
MISS.	BR-0018-02(038)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET		1
DETAILED INDEX & GENERAL NOTES (3)		
DETAILED INDEX	DI-1	2
DETAILED INDEX (BRIDGE)	DI-2	3
GENERAL NOTES	GN-1	4
TYPICAL SECTION SHEETS (4)		
TYPICAL SECTION - NEW CONSTRUCTION	TS-1	5
TYPICAL SECTION - WIDENING AND OVERLAY	TS-2	6
TYPICAL SECTION - REMOVAL OF EXIST. HWY. 12 AND DETAIL OF REALIGNMENT OF HWY. 12	TS-3	7
TYPICAL SECTION - MARCELLA ROAD	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	SQ-4	12
SUMMARY OF QUANTITIES (BRIDGE)	SQ-5	13
ESTIMATED QUANTITIES - GUARDRAIL & SIDE DRAINS	EQ-1	14
ESTIMATED QUANTITIES - BOX CULVERTS & EARTHWORK	EQ-2	15
ESTIMATED QUANTITIES - BRIDGE	EQ-3	16
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	TCP-Q	17
PLAN & PROFILE SHEETS (2)		
MAIN FACILITY - STA. 49+00 TO STA.73+32.535	WK. 3	18
LOCAL ROAD (MARCELLA RD.) STA. 0+00 TO STA.5+26.966	WK. 3A	19
SPECIAL DESIGN SHEETS (23) 1		
VEGETATION SCHEDULE	VS-1	20
DETAIL OF CONTRUCTION SIGNING	DCS-1	21
TYPICAL TRAFFIC CONTROL PLANS	TC-1	22
PAVEMENT MARKING DETAIL	PMD-1	23
ROW MARKER	RW-1	24
ROW MARKER STAMPINGS	RW-2	24.1
LOCATION OF R16-3 SIGNS	SSD-1	25
COLLAR DETAILS FOR BOX STRUCTURES	SD-ICJ-1	26
BOX CULVERT DRAWING - BARREL JOINT LOCATIONS	SD-IBJL-1	27
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL	SD-IWS-3	28
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL (HEIGHTS 4 - 12FT., SPANS 4 - 24 FT.)	SD-IWS-3A	29
BASIC CULVERT DRAWING - SINGLE CELL (HEIGTH 4FT., SPANS 4 - 10 FT.)	SD-IBS-4-2W	30
INTERSECTION DETAIL - MARCELLA ROAD	INT-1	31
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (WOOD POSTS)	GR-2F	32
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (STEEL POSTS)	GR-2G	33
GUARD RAIL : RUB RAIL HARDWARE SHEET	GR-RR	34
BRIDGE END PAVEMENT WITH RAIL	BE-1A	35
32" BRIDGE END PAVEMENT RAIL	BEPR-1	36
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	37
FLEXIBLE PIPE STANDARD	HDPE-1	38
SUPERELEVATION RUNOFF - CASE I - ROTATION ABOUT CENTERLINE	SDRO-1	39
SUPERELEVATION RUNOFF - CASE I - ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	SDSE-2A	40
SIGNING PLAN	S-1	41 1

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
STANDARD DRAWINGS - ROADWAY SHEETS (24) 1		
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 (SILT FENCE, HAY BALES, & BRUSH BARRIER)		TEC-1 142
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)		TEC-2 143
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 : MODIFIED THRIE BEAM (STEEL POSTS)	3-01-02	GR-1C 183
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A 195
GUARD RAIL : MISCELLANEOUS HARDWARE	3-01-02	GR-HW 202
STANDARD ROADSIDE SIGNS		SN-3 222 1
STANDARD ROADSIDE SIGNS		SN-3A 223 1
STANDARD ROADSIDE SIGNS	3-01-02	SN-3B 224 1
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
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS		TCP-8 257
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
RURAL DRIVEWAYS		RD-1 271
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS		GT-1 272
DRIVEWAYS, CURB & GUTTER, & SIDEWALK		SD-1 287
PIPE CULVERT INSTALLATION		PI-1 300
CROSS SECTIONS		901-927
TOTAL SHEETS = 93		

WALDON

PS & E PLANS-DATE - 4/10/09		
FMS CON. # 103320/301000		
REVISIONS		
DATE	SHEET NO.	BY
6/29/09	2, 12, 41, 222 - 224	GTW
8/12/09	9, 11, 18, 486	GTW

1

99

DATE	ADDED SHEETS REVISION	BY
6/29/09		GTW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. BR-0018-02(038)
COUNTY : HOLMES

WORKING NUMBER DI-1

FILENAME: INDEX.DGN

DESIGN TEAM WALDON CHECKED DATE

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

8/12/2009 2:23 PM INDEX.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	BR-0018-02(038)

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 58+23.875		
SR 12 ACROSS TCHULA LAKE	1 OF 22	466
SR 12 ACROSS TCHULA LAKE	2 OF 22	467
FORM GRADES	3 OF 22	468
GENERALIZED SOIL PROFILE	4 OF 22	469
END BENT NO. 1 DETAILS	5 OF 22	470
END BENT NO. 4 DETAILS	6 OF 22	471
END BENT DETAILS	7 OF 22	472
INT. BENT NO. 2 DETAILS	8 OF 22	473
INT. BENT NO. 3 DETAILS	9 OF 22	474
75 FT. SPAN NO. 1 DETAILS	10 OF 22	475
75 FT. SPAN NO. 1 DETAILS	11 OF 22	476
100 FT. SPAN NO. 2 DETAILS	12 OF 22	477
100 FT. SPAN NO. 2 DETAILS	13 OF 22	478
75 FT. SPAN NO. 3 DETAILS	14 OF 22	479
75 FT. SPAN NO. 3 DETAILS	15 OF 22	480
MISCELLANEOUS SPAN DETAILS	16 OF 22	481
RAILING DETAILS	17 OF 22	482
75 FT. BEAM DETAILS (END SPANS)	18 OF 22	483
100 FT. BEAM DETAILS (INT. SPAN)	19 OF 22	484
PRESTRESSED CONCRETE PILE DETAILS	20 OF 22	485
EAST EMBANKMENT WICK DRAIN, SAND BLANKET, AND SETTLEMENT PLATE DETAILS	21 OF 22	486
SAND BLANKET DETAILS	22 OF 22	487

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
5/15/09	471, 473, 474, 475	
	477, 478, 479, 483 +	
	484	JB

BY

REVISIONS

DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DETAILED INDEX
(BRIDGE)

PROJECT 103320/301000
BR-0018-02(038)

HOLMES COUNTY

WORKING NUMBER DI-2

DESIGNED MLS DETAILED MLS TRACED CADD
CHECKED BJJ ISSUED MKC DATE 3/09/09

SHEET NUMBER 3

STATE	PROJECT NO.
MISS.	BR-0018-02(038)

GENERAL NOTES

FOR LIST OF PUBLIC UTILITIES, SEE WK. NO. 3.

ALL ITEMS THAT CONFLICT WITH REQUIRED CONSTRUCTION, FOR WHICH NO PAY ITEM IS SHOWING, SHALL BE REMOVED AS CLEARING AND GRUBBING.

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

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

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

A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT LOCATIONS INDICATED IN THE TEST REPORTS. THIS SOIL PROFILE 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.

EROSION CHECKS: QUANTITY BASED ON THE BASIS OF 4 BALES PER EVERY 25 TO 100 L.F. OF DITCH, 8 BALES PER INLET, AND 4 BALES AT EACH PIPE OUTLET. THIS IS 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 THE CONSTRUCTION OF THE PROJECT. (SEE WK. NO. TEC-1 FOR DETAILS)

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

WIRE FENCE WILL BE REQUIRED ON ALL SILT FENCE (SEE WK. NO TEC-1).

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE THAT 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 ITEMS.

FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE SD-ICJ-1 FOR DETAILS)

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.

ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).

WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDER AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE (ABSORBED ITEM).

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJ. NO.: BR-0018-02(038)
COUNTY: HOLMES

WORKING NUMBER: GN-1

FILENAME: INDEX.DGN
DESIGN TEAM WALDON CHECKED DATE

SHEET NUMBER: 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
4/6/2009 10:13AM INDEX.DGN