FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR–0022–02(049)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR–0022–02(049)

BRIDGE REPLACEMENT PROJECT – BRIDGE #173.5
SR15 BETWEEN SR19 AND WINSTON COUNTY LINE
NESHOBA COUNTY

① 09-18-08

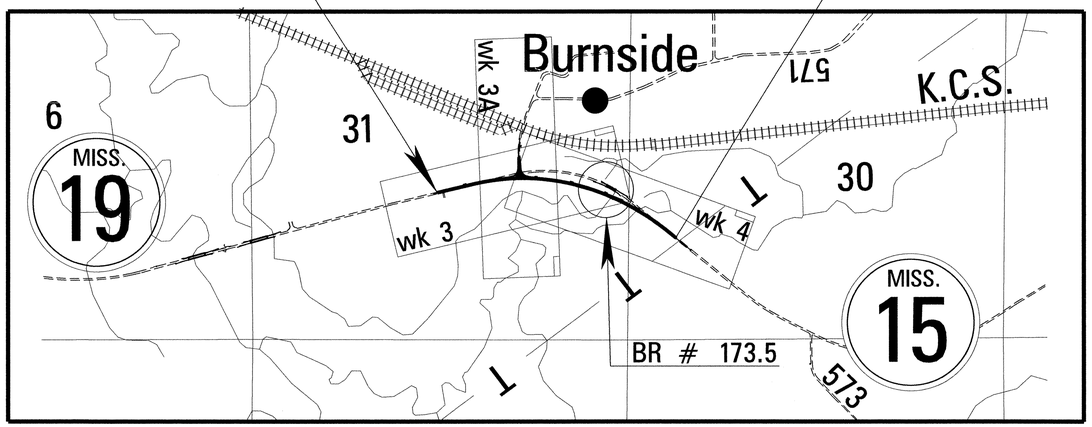
FMS CONST. 104632 /301000
ROW BR–0022–02(049) 104632 /201000

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 1000 FT.

B.O.P. STA. 396 + 00.000

E.O.P. STA. 437 + 00.000

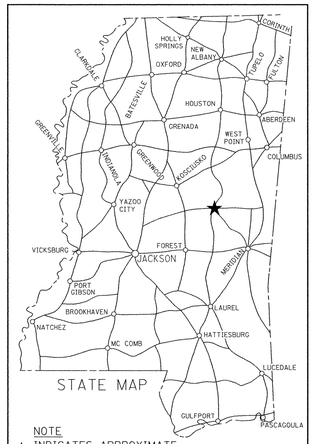


BRIDGE STRUCTURES REQ'D.
STA. 423 + 00.73
BR. #173.5
60' – 110' – 60'
SKEW 45° LT. FWD.

BOX BRIDGES REQ'D.
NONE

EQUATIONS
STA. 435 + 08.913 BK = STA. 435 + 42.916 AH

EXCEPTIONS
NONE



STATE MAP

NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 32°51'16"N LONG. 89°06'05"W
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL
65 MPH = V (SPEED DESIGN)
ADT (2010) = 7300 : ADT (2030) = 12000
DHV = 1200 : D = 60 % T = 10 %

PERMITS ACQUIRED BY MDOT

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

	WATERS	WETLANDS
NATIONWIDE #14	Y	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	Y	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: 9/18/08

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	4065.997 FT.	0.770 MI.
LENGTH OF BRIDGES	230.000 FT.	0.044 MI.
LENGTH OF PROJECT (NET)		0.814 MI.
LENGTH OF EXCEPTIONS	NONE FT.	0 MI.
LENGTH OF PROJECT (GROSS)		0.814 MI.

125

REVISIONS | BY | DATE

APPROVED: 9/18/08
CHIEF ENGINEER DATE

9/18/08
EXECUTIVE DIRECTOR DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/18/2008 1:37 PM TITLE15.DGN

STATE	PROJECT NO.
MISS.	BR-0022-02(049)

1 st O. REV.

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (4)		
DETAILED INDEX	DI-1	2
DETAILED INDEX	DI-2	3
DETAILED INDEX (BRIDGE)	DI-3	3.1
GENERAL NOTES	GN-1	4
TYPICAL SECTION SHEETS (5)		
TYPICAL SECTION - S.R. 15 (NEW CONSTRUCTION) (B.O.P. - 397+00.000) (420+78.501 - E.O.P.)	TS-1	5
TYPICAL SECTION - S.R. 15 (NEW CONSTRUCTION) (397+00.000 - 420+78.501)	TS-2	6
TYPICAL SECTION - S.R. 15 (EXISTING)	TS-3	7
TYPICAL SECTION - S.R. 15 (CHANNELIZED INTERSECTION)	TS-4	8
TYPICAL SECTION - BRIDGE END PAVEMENT	TS-5	9
QUANTITY SHEETS (10)		
SUMMARY OF QUANTITIES	SQ-1	10
SUMMARY OF QUANTITIES	SQ-2	11
SUMMARY OF QUANTITIES	SQ-3	12
SUMMARY OF QUANTITIES (BRIDGE)	SQ-4	13
SUMMARY OF DRAINAGE STRUCTURES	SDS-1	14
STANDARD ROADSIDE SIGN QUANTITIES	SRS-1	15
STANDARD ROADSIDE SIGN QUANTITIES	SRS-2	16
ESTIMATED QUANTITIES FOR DRIVEWAYS, BRIDGE END PAVEMENT, SIDE DRAINS, ESTIMATED EARTHWORK, GUARD RAIL, COMBINATION CONCRETE CURB & GUTTER, REMOVAL OF PAVEMENT, REMOVAL OF BOX CULVERT, AND REMOVAL OF CURB.	EQ-1	17
ESTIMATED BRIDGE QUANTITIES	EQ-2	18
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	TCPQ-1	19
PLAN & PROFILE SHEETS (3)		
B.O.P. TO STA. 415+00.000 (S.R. 15)	3	20
STA. 412+76.2649 RT. (STA. 24+50 - STA. 29+46.7083 LOCAL RD.)	3A	21
STA. 415+00.000 TO E.O.P. (S.R. 15)	4	22

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
SPECIAL DESIGN SHEETS (17)		
VEGETATION SCHEDULE	VS-1	23
MISCELLANEOUS CONSTRUCTION DETAILS	MCD-1	24
TRAFFIC CONTROL DETAILS DRUM PLACEMENT & SHOULDER CLOSURE	TCP-SC	25
DETAIL OF CONSTRUCTION SIGNING	CS-1	26
DETAIL OF INTERSECTION (S.R. 15 AND LOC. RD. @ STA. 412+76.2649)	DOI-1	27
PAVEMENT MARKING DETAIL (MAINLINE, S.R. 15)	PMD-1	28
PAVEMENT MARKING DETAIL (INTERSECTION @ STA. 412+76.2649)	PMD-2	29
RIGHT OF WAY MARKERS	RW-1	30
TYPICAL TRAFFIC CONTROL PLAN (PHASE I AND II) (STA. B.O.P. TO STA. 421+00.000)	TC-1	31
TYPICAL TRAFFIC CONTROL PLAN (PHASE I AND II) (STA. 421+00.000 TO STA. E.O.P.)	TC-2	32
PERMANENT SIGNING PLAN	PSP-1	33
32" BRIDGE END PAVEMENT RAIL	BEPR-1	34
42" BRIDGE END PAVEMENT RAIL	BEPR-1A	35
GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)	GR-2G	36
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)	GR-2F	37
BRIDGE END PAVEMENT WITH RAIL	BE-1A	38
GUARDRAIL: RUB RAIL HARDWARE SHEET	GR-RR	39

GILLIAM

PS & E PLANS-DATE 7-17-2007		
FMS CON. # 104632/301000		
REVISIONS		
DATE	SHEET NO.	BY
11-20-08	3,10,11,12,17,22,23	RCG
3-23-09	10	RCG

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

REVISION | BY | DATE

PROJECT NO.: BR-0022-02(049)
COUNTY: NESHOBA

WORKING NUMBER DI-1

FILENAME: di15.dgn
DESIGN TEAM GILLIAM CHECKED DATE

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/24/2009 8:56 AM DI15.DGN

STATE	PROJECT NO.
MISS.	BR-0022-02(049)

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 423+00.73 S.R. 15 ACROSS HURRICANE CREEK (LAYOUT)	1 OF 19	466
BRIDGE AT STA. 423+00.73 S.R. 15 ACROSS HURRICANE CREEK (FOUNDATION)	2 OF 19	467
GENERALIZED SOIL PROFILE	3 OF 19	468
END BENT NO. 1 DETAILS	4 OF 19	469
END BENT NO. 1 DETAILS	5 OF 19	470
END BENT NO. 4 DETAILS	6 OF 19	471
END BENT NO. 4 DETAILS	7 OF 19	472
END BENT DETAILS	8 OF 19	473
INT. BENT NO. 2 DETAILS	9 OF 19	474
INT. BENT NO. 3 DETAILS	10 OF 19	475
60 FT. SPAN NO. 1 DETAILS	11 OF 19	476
110 FT. SPAN NO. 2 DETAILS	12 OF 19	477
60 FT. SPAN NO. 3 DETAILS	13 OF 19	478
60 FT. SPAN DETAILS	14 OF 19	479
110 FT. SPAN DETAILS	15 OF 19	480
MISCELLANEOUS SPAN DETAILS	16 OF 19	481
RAILING DETAILS	17 OF 19	482
60 FT. BEAM DETAILS (END SPAN) BEAMS 60-1 THRU 60-12 (TYPE II+2)	18 OF 19	483
110 FT. BEAM DETAILS (INT. SPAN) BEAMS 110-1 THRU 110-7 (TYPE IV)	19 OF 19	484

BRIDGE DIVISION		
DATE	SHEET NO.	BY

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISIONS	DETAILED INDEX (BRIDGE)	
	PROJECT 104632/301000 BR-0022-02(049)	
	NESHOBA COUNTY	WORKING NUMBER DI-BR
DATE	DESIGNED JBR DETAILED JBR TRACED CADD CHECKED MRD ISSUED MKC DATE 7/18/08	SHEET NUMBER 3.1

1 st O. REV.

STATE	PROJECT NO.
MISS.	BR-0022-02(049)

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
STANDARD DRAWINGS - ROADWAY SHEETS (31)			
PAVEMENT MARKING DETAILS FOR 2 & 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 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)	1 (03-01-02)	GR-1	180
GUARD RAIL : THRIE BEAM (WOOD POSTS)	1 (03-01-02)	GR-1A	181
GUARD RAIL : "W" BEAM (STEEL POSTS)	1 (03-01-02)	GR-1B	182
GUARD RAIL : THRIE BEAM (STEEL POSTS)	1 (03-01-02)	GR-1C	183
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	1 (12-01-99)	GR-4A	195
STANDARD ROADSIDE SIGNS		SN-3	222
STANDARD ROADSIDE SIGNS		SN-3A	223
STANDARD ROADSIDE SIGNS	(03-01-02)	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 GUARD RAIL DELINIATION	(03-01-02)	SN-8C	236
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 PLANS 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 & FILLS		GT-1	272
SIGHT FLARES	(12-01-99)	SF-1	273
SUPERELEVATION TRANSITION - CASE I (2% NORMAL SUBGRADE)	(03-01-02)	SE-2A	276
DRIVEWAYS, CURB & GUTTER, & SIDEWALK		SD-1	287
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINT 2. EXCAVATION AT GRADE POINTS		MDS-1	290
PIPE CULVERT INSTALLATION		PI-1	300
PIPE COLLAR-CONCRETE		PC-1	301
FLARED END SECTION FOR CONCRETE PIPE		FE-1	328

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
CROSS SECTIONS (17)			
B.O.P. STA. 396+00.000 TO E.O.P. 437+00.000	901-915		
STA. 412+76.2649 RT. (STA. 24+50 - STA. 29+46.7083 LOCAL RD.)	916-917		
TOTAL SHEETS			88

DATE	DATE REVISION	REVISION	BY
11-26-08			RCG

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO.: BR-0022-02(049)
COUNTY: NESHOBA

WORKING NUMBER DI-2

FILENAME: di15.dgn
DESIGN TEAM GILLIAM CHECKED DATE

SHEET NUMBER 3

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/24/2009 8:56 AM DI15.DGN

STATE	PROJECT NO.
MISS.	BR-0022-02(049)

GENERAL NOTES

(1) PUBLIC UTILITIES
A. BELLSOUTH TELECOMMUNICATIONS

(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) UTILITIES ON THE DRAWINGS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. UTILITIES THAT WERE FOUND TO BE IN CONFLICT WITH CONSTRUCTION HAVE BEEN RELOCATED. PERMITS ARE ON FILE WITH THE DEPARTMENT SHOWING THE APPROXIMATE LOCATION OF UTILITIES RELOCATED WITHIN THE RIGHT-OF-WAY. 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.

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

(5) 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 SHOULD 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.

(6) WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING, OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

(7) REMOVAL OF RAISED PAVEMENT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.

(8) ALL EXISTING OBSTRUCTIONS WHICH CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE REMOVED AT CONTRACTORS EXPENSE AS AN ABSORBED ITEM. PLUG ENDS OF EXISTING PIPES TO BE ABANDONED IN PLACE WITH CONCRETE (ABSORBED ITEM).

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

(10) TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT AND STRAIGHTNESS.

(11) FLOURESCENT 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.

(12) THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONTRUCTION (NOT A SEPARATE PAY ITEM).

(13) THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES, HORIZONTAL ALIGNMENTS AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.

(14) A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT THE 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.

(15) PRIOR TO POURING PAVED ISLANDS, THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT SIGNS REQUIRED IN ISLANDS CAN BE LOCATED.

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

(17) ALL PLASTIC DRUMS SHALL HAVE A BALLIST COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO.: BR-0022-02(049)
COUNTY: NESHOBA

WORKING NUMBER GN-1

DATE | FILENAME: dl15.dgn
DESIGN TEAM GILLIAM CHECKED DATE

SHEET NUMBER 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/18/2008 2:01 PM dl15.DGN