FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR–0023–02(037)	1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	2
GENERAL NOTES	
TYPICAL SECTIONS	3
QUANTITIES	6
PLAN AND PROFILES	2
SPECIAL DESIGN – ROADWAY ITEMS	27
BRIDGE DRAWINGS	16
CROSS–SECTIONS	6
TOTAL SHEETS	63

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDARAL AID PROJECT NO. BR–0023–02(037)

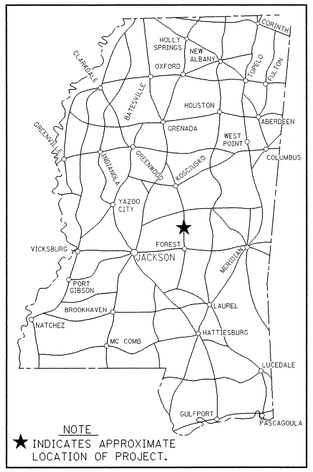
02-16-05

SR 35 BRIDGE REPLACEMENT
(BR.# 114.3) NEAR HARPERVILLE
SCOTT COUNTY

FMS 102359/302000

SCALES

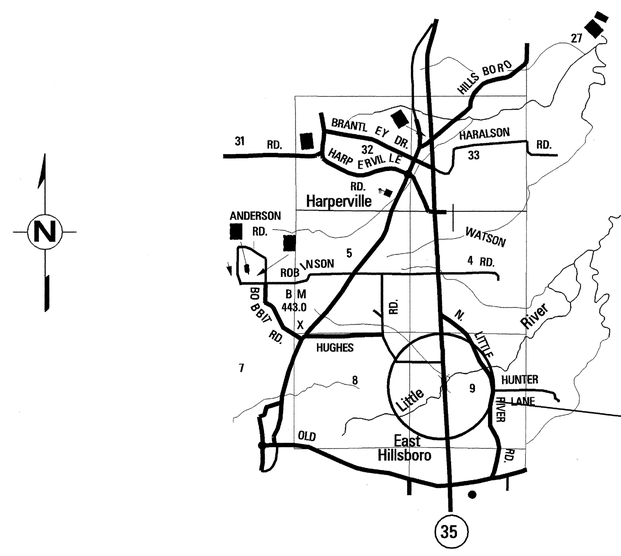
PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = FT.



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.
1 @ STA. 914+07.875 – STA.915+60.125

BOX BRIDGES REQ'D.
NONE



WORK SITE
BR. # 114.3

DESIGN CONTROL

65 MPH = V (SPEED DESIGN)

ADT (2004) = 4800 : ADT (2024) = 7900

DHV = 790 : D = 50 % T = 16 %

PERMITS ACQUIRED BY MDOT

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

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

* 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 +)(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: for CKP DATE: 2-15-05

EQUATIONS
NONE

EXCEPTIONS
NONE

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	1750.97 FT.	0.331 MI.
LENGTH OF BRIDGES	152.25 FT.	0.029 MI.
LENGTH OF PROJECT (NET)		0.360 MI.
LENGTH OF EXCEPTIONS	0 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)		0.360 MI.

99

REVISIONS — BY — DATE

APPROVED:
CHIEF ENGINEER — DATE 2/15/05
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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-0023-02(037)

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (2)			
DETAILED INDEX & GENERAL NOTES		DI-1	2
DETAILED INDEX (BRIDGE)		DI-2	3
TYPICAL SECTION SHEETS (3)			
MAINLINE - NEW CONSTRUCTION AND OVERLAY OF EXISTING ROADWAY		TS-1	4
CONSTRUCTION AND REMOVAL OF DETOUR ROAD		TS-2	5
MISCELLANEOUS TYPICAL SECTION DETAILS		TS-3	6
QUANTITY SHEETS (6)			
SUMMARY OF QUANTITIES		SQ-1	7
SUMMARY OF QUANTITIES		SQ-2	8
SUMMARY OF QUANTITIES (BRIDGE)		SQ-3	9
ESTIMATED QUANTITIES		EQ-1	10
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS		TCP-Q	11
ESTIMATED BRIDGE QUANTITIES		EQ-2	12
PLAN & PROFILE SHEETS (2)			
MAINLINE - B.O.P. TO E.O.P.		3	13
DETOUR ROAD		3A	14
SPECIAL DESIGN SHEETS (4)			
VEGETATION SCHEDULE		VS-1	15
TYPICAL TRAFFIC CONTROL PLANS		TC-1	16
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS		TGR-1	17
LOCATION OF R16-3 SIGNS		R16-3	18
STANDARD DRAWINGS - ROADWAY SHEETS (23)			
BRIDGE END PAVEMENT		BE-1	107
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
GUARD RAIL: "W" BEAM (WOOD POSTS)	(03-01-02)	GR-1	180
GUARD RAIL: THRIE BEAM (WOOD POSTS)	(03-01-02)	GR-1A	181
GUARD RAIL: "W" BEAM (STEEL POSTS)	(03-01-02)	GR-1B	182
GUARD RAIL: MODIFIED THRIE BEAM (STEEL POSTS)	(03-01-02)	GR-1C	183
GUARD RAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)	(12-01-99)	GR-2F	190
GUARD RAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)		GR-2G	191
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAYS	(12-01-99)	GR-4A	195
GUARD RAIL: MISCELLANEOUS HARDWARE	(03-01-02)	GR-HW	202
TYPICAL GUARD RAIL DELINEATION	(03-01-02)	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
RIGHT OF WAY MARKERS	(03-01-02)	RW-1	270
RURAL DRIVEWAYS		RD-1	271
SUPERELEVATION TRANSITION CASE I (2% NORMAL SUBGRADE)	(03-01-02)	SE-2A	276
DETAILS OF PAVED FLUMES		PF-1	291
PIPE CULVERT INSTALLATION		PI-1	300
CROSS SECTIONS (6)			901-906

GENERAL NOTES

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

(2) 25% SHRINKAGE FACTOR USED IN EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

(3) 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.

(4) FOR A LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.

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

(6) A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES IN 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.

(7) 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.

(8) CLEARING IN WETLANDS AREA IS LIMITED TO TEN (10) FEET BEYOND CONSTRUCTION LIMITS EXCEPT UNDER BRIDGES. CLEARING OF WETLANDS UNDER BRIDGES IS PROHIBITED, EXCEPT WHERE NECESSARY FOR BRIDGE CONSTRUCTION. THIS CLEARING MUST BE DONE WITH SAWS. DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB NATURAL GROUND SURFACE ARE NOT ALLOWED.

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

(10) EXISTING UNDERGROUND UTILITY LINE 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 THE ADVANCE OF CONSTRUCTION.

(11) SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.

(12) 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)

99

C.ROBINSON

PS & E PLANS- 2/16/2005		
FMS CON. # 102359/302000		
REVISIONS		
DATE	SHEET NO.	BY
3/25/05	5, 8	CPR
4/11/05	4	JCD
4/21/05	7	JCD

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

REVISION | BY

PROJECT NO. BR-0023-02(037)
COUNTY : SCOTT

WORKING NUMBER DI-1

DATE | FILENAME: DI.DGN
DESIGN TEAM ROBINSON CHECKED DATE

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4 22 2005 10:54AM DI.DGN

STATE	PROJECT NO.
MISS.	BR-0023-02(037)

DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS

	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 914+07.875		
MS. HWY. 35 ACROSS LITTLE RIVER (ELEVATION)	1 OF 15	466
MS. HWY. 35 ACROSS LITTLE RIVER (FOUNDATION PLAN)	2 OF 15	467
GENERALIZED SOIL PROFILE	3 OF 15	468
END BENTS NO. 1 & 4 DETAILS	4 OF 15	469
END BENT DETAILS	5 OF 15	470
INT. BENTS NO. 2 & 3 DETAILS	6 OF 15	471
50 FT. END SPAN NO. 1 DETAILS	7 OF 15	472
50 FT. INT. SPAN NO. 2 DETAILS	8 OF 15	473
50 FT. END SPAN NO. 3 DETAILS	9 OF 15	474
SPAN DETAILS	10 OF 15	475
MISCELLANEOUS SPAN DETAILS	11 OF 15	476
RAILING DETAILS	12 OF 15	477
50 FT. BEAM DETAILS (TYPE II+2) (END SPAN)	13 OF 15	478
50 FT. BEAM DETAILS (TYPE II+2) (INT. SPAN)	14 OF 15	479
PRESTRESSED CONCRETE PILE DETAILS	15 OF 15	480

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY

SPECIAL DESIGN SHEETS
DETOUR BRIDGE DRAWINGS

	WORKING NUMBER	SHEET NUMBER
DETOUR BRIDGE AT STA. 14+63.00		
MS. HWY. NO. 35 ACROSS LITTLE RIVER	DB1 OF 1	481

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISIONS	DETAILED INDEX BRIDGE PROJECT 102359/302000 BR-0023-02(037) SCOTT COUNTY	WORKING NUMBER D1-2
DATE	DESIGNED QXB DETAILED CADD TRACED CADD CHECKED BJJ ISSUED MKC DATE 1/27/05	SHEET NUMBER 3