

1st O. REV. GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
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TOTAL SHEETS 212

① 11-03-05
RE: ① 11-15-06

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-1681-00(015)

US 51 BRIDGE NUMBERS 142.2, 143.3, 148.3 100446/301000 CONST
BETWEEN PICKENS AND GOODMAN HOLMES COUNTY

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 8000 FT.

BRIDGE STRUCTURES REQ'D.

- SITE 1 - STA. 86+77.98, 4 SPANS @ 40' (BR. NO. 142.2)
- SITE 2 - STA. 146+15.91, 3 SPANS @ 50' (BR. NO. 143.3)
- SITE 3 - STA. 409+22.72, SPANS: 2 @ 40', 1 @ 60', & 2 @ 40', SKEW 30° LT. FWD. (BR. NO. 148.3)

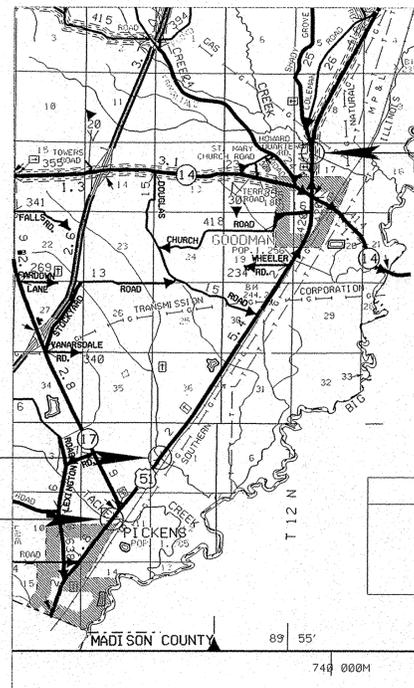
REVISION DESIGN DIVISION C.A.D.D. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



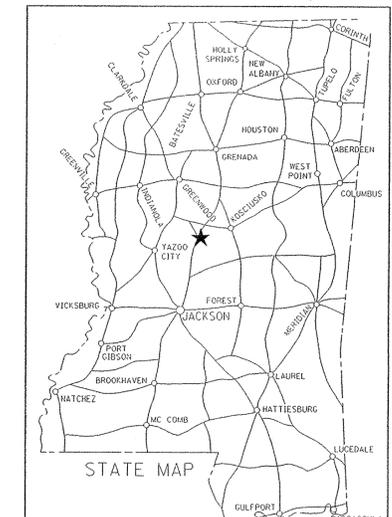
SITE 2
BR. NO. 143.3

SITE 1
BR. NO. 142.2

SITE 3
BR. NO. 148.3



FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-1681-00(015)	1



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.
LAT. 32°56'24" LONG. 89°55'45"
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2004) = 2600 ; ADT (2024) = 4400

DHV = 530 ; D = 50 % T = 8 %

PERMITS ACQUIRED BY MDOT

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

	WATERS	WETLANDS
NATIONWIDE #14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GENERAL*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INDIVIDUAL (404)*	<input checked="" type="checkbox"/>	<input checked="" 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 6484)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (INTB 6483)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: CKP DATE: 11/3/05

CONVENTIONAL SYMBOLS

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

APPROVED: *Hammy James* 11/3/05
CHIEF ENGINEER DATE

APPROVED: *Paul R. Bunker* 11-3-05
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: _____ DATE _____
DIVISION ADMINISTRATOR

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

REVISION DATE

WKG. NO. SH. NO.

TITLE SHEET (1)

1

DETAILED INDEX & GENERAL NOTES (3)

DETAILED INDEX
DETAILED INDEX (BRIDGE)
GENERAL NOTES

DI-1 2
DI-B 3
GN-1 4

TYPICAL SECTION SHEETS (5)

TYPICAL SECTION - HWY 51 MAINLINE - NEW CONSTRUCTION, WIDEN & OVERLAY @ SITES 1 & 2
TYPICAL SECTION - CONSTRUCTION & REMOVAL OF DETOUR ROAD SITES 1 & 2
TYPICAL SECTION - MAINLINE NEW CONSTRUCTION, REMOVAL OF EXIST. @ SITE 3
TYPICAL SECTION - LOCAL ROAD @ SITE 3 NEW CONSTRUCTION
TYPICAL SECTION - MISCELLANEOUS TYPICAL SECTION DETAILS

TS-1 5
TS-2 6
TS-3 7
TS-4 8
TS-5 9

QUANTITY SHEETS (13)

SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES (BRIDGE)
ESTIMATED QUANTITIES
ESTIMATED QUANTITIES
ESTIMATED QUANTITIES
ESTIMATED QUANTITIES
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL
ESTIMATED QUANTITIES (BRIDGE)
STANDARD ROADSIDE SIGN QUANTITIES
STANDARD ROADSIDE SIGN QUANTITIES
DIRECTIONAL SIGN QUANTITIES

SQS-1 10
SQS-2 11
SQS-3 12
SQS-1B 13
EQ-1 14
EQ-2 15
EQ-3 16
EQ-4 17
EQ-5 18
EQBR-1 19
SRS-1A 20
SRS-2 21
DSQ-1A 22

PLAN & PROFILE SHEETS (7)

SITE 1 - MAINLINE - STA. 72+00 TO STA. 102+00
SITE 1 - DETOUR - STA. 79+00 TO STA. 95+00
SITE 2 - MAINLINE - STA. 131+00 TO STA. 161+00
SITE 2 - DETOUR - STA. 38+00 TO STA. 55+00
SITE 3 - REALIGNMENT - STA. 397+82 TO STA. 418+00
SITE 3 - REALIGNMENT - STA. 418+00 TO 429+29.992
SITE 3 - LOCAL ROAD - STA. 0+00 TO STA. 6+72.614

3 23
3A 24
4 25
4A 26
5 27
6 28
6A 29

SPECIAL DESIGN SHEETS (18)

VEGETATION SCHEDULE
DETAIL OF CONSTRUCTION SIGNING - SITE 1
DETAIL OF CONSTRUCTION SIGNING - SITE 2
DETAIL OF CONSTRUCTION SIGNING - SITE 3
TRAFFIC CONTROL PLAN - SITE 1
TRAFFIC CONTROL PLAN - SITE 2
TRAFFIC CONTROL PLAN - SITE 3 - PHASE 1
TRAFFIC CONTROL PLAN - SITE 3 - PHASE 2
DETAIL OF INTERSECTION @ STA. 424+33.33 HWY 51
PAVEMENT MARKING DETAILS - LOCAL RD. @ STA. 424+33.33
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS
PERMANENT SIGNING DETAIL
PERMANENT SIGNING DETAIL
PERMANENT SIGNING DETAIL
PERMANENT SIGNING PLANS
PERMANENT SIGNING PLANS
PERMANENT SIGNING PLANS
RIGHT-OF-WAY MARKER

VS-1 30
DCS-1 31
DCS-2 32
DCS-3 33
TC-1 34
TC-2 35
TC-3 36
TC-4 37
DOI-1 38
PMD-1 39
TGR-3 40
PSD-1 41
PSD-2 42
PSD-3 43
PSP-1 44
PSP-2 45
PSP-3 46
RW-1 47

STANDARD DRAWINGS - ROADWAY SHEETS (36)

BRIDGE END PAVEMENT
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS
EROSION CONTROL
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, & BRUSH BARRIER)
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)
DETAILS OF DITCH TREATMENT
GUARD RAIL : "W" BEAM (WOOD POSTS)
GUARD RAIL : THRIE BEAM (WOOD POSTS)
GUARD RAIL : "W" BEAM (STEEL POSTS)
GUARD RAIL : MODIFIED THRIE BEAM (STEEL POSTS)
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (STEEL POSTS)
GUARD RAIL : MISCELLANEOUS HARDWARE
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (WOOD POSTS)
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY
STANDARD ROADSIDE SIGNS
STANDARD ROADSIDE SIGNS
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
BREAK-AWAY SIGN SUPPORTS
BREAK-AWAY SIGN SUPPORTS
BREAK-AWAY SIGN SUPPORTS
TYPICAL INSTALLATION & DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS
TYPICAL GUARD RAIL DELINEATION
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO WAY TRAFFIC)
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS
TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS
RURAL DRIVEWAYS
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS (V < 40 mph/h)
SUPERELEVATION TRANSITION - CASE I (2% NORMAL SUBGRADE)
DRIVEWAYS, CURB & GUTTER, & SIDEWALK
DETAILS OF PAVED FLUMES
PIPE CULVERT INSTALLATION

12-01-99 BE-1 107
PM-1 120
EC-1 140
TEC-1 142
TEC-2 143
DT-1 145
GR-1 180
GR-1A 181
GR-1B 182
GR-1C 183
GR-2G 191
GR-HW 202
GR-2F 190
12-01-99 GR-4A 195
SN-3A 223
SN-3B 224
SN-4 225
SN-4A 226
SN-4B 227
SN-6 229
SN-6A 230
SN-6B 231
3-01-02 SN-8 233
SN-8C 236
TCP-1 250
TCP-10 259
12-01-99 TCP-11 260
TCP-14 263
12-01-99 TCP-15 264
RD-1 271
GT-1 272
SE-1 275
SE-2A 276
SD-1 287
PF-1 291
PI-1 300

CROSS SECTIONS (83)

CROSS SECTIONS - HWY 51, SITE 1
CROSS SECTIONS - HWY 51, SITE 2
CROSS SECTIONS - HWY 51, SITE 3
CROSS SECTIONS - LOCAL ROAD, SITE 3

901-922
923-944
945-976
977-983

TOTAL SHEETS (166)

MOREA		
FINAL PLANS-DATE 11/17/06		
FMS CON. # 100446 / 301000		
REVISIONS		
DATE	SHEET NO.	BY
11/20/06	12	JJM
12/01/06	1,2,4	JJM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
DETAILED INDEX			
PROJECT NO. BR-1681-00(015)▲			WORKING NUMBER
COUNTY : HOLMES			DI-1
FILENAME: INDEX.DGN	SHEET NUMBER		2
DESIGN TEAM MOREA	CHECKED	DATE	

12/1/2006 10:20 AM INDEK.DGN

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS**

BRIDGE AT STA. 86+77.19

DESCRIPTION OF SHEETS	WORKING NUMBER	SHEET NUMBER
U.S. HWY. 51 ACROSS TACKETTS CREEK (ELEVATION)	A1 OF 13	466
U.S. HWY. 51 ACROSS TACKETTS CREEK (FOUNDATION PLAN)	A2 OF 13	467
GENERALIZED SOIL PROFILE	A3 OF 13	468
END BENTS NO. 1 & 5 DETAILS	A4 OF 13	469
END BENT DETAILS	A5 OF 13	470
INT. BENTS NO. 2, 3 & 4 DETAILS	A6 OF 13	471
40 FT. SPAN DETAILS	A7 OF 13	472
40 FT. SPAN DETAILS	A8 OF 13	473
MISCELLANEOUS SPAN DETAILS	A9 OF 13	474
RAILING DETAILS	A10 OF 13	475
40 FT. BEAM DETAILS (END SPAN) BEAM 40-1 (TYPE I+2)	A11 OF 13	476
40 FT. BEAM DETAILS (INT. SPAN) BEAM 40-2 (TYPE I+2)	A12 OF 13	477
PRESTRESSED CONCRETE PILES DETAILS	A13 OF 13	478

BRIDGE AT STA. 146+14.79

U.S. HWY. 51 ACROSS MILLS CREEK (ELEVATION)	B1 OF 10	479
U.S. HWY. 51 ACROSS MILLS CREEK (FOUNDATION PLAN)	B2 OF 10	480
GENERALIZED SOIL PROFILE	B3 OF 10	481
END BENTS NO. 1 & 4 DETAILS	B4 OF 10	482
END BENT DETAILS	B5 OF 10	483
INT. BENTS 2 & 3 DETAILS	B6 OF 10	484
50 FT. SPAN DETAILS	B7 OF 10	485
50 FT. SPAN DETAILS	B8 OF 10	486
50 FT. BEAM DETAILS (END SPAN) BEAM 50-1 (TYPE II+2)	B9 OF 10	487
50 FT. BEAM DETAILS (INT. SPAN) BEAM 50-2 (TYPE II+2)	B10 OF 10	488

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS**

BRIDGE AT STA. 409+21.81

U.S. HWY. 51 ACROSS BOX CREEK (GENERAL NOTES)	C1 OF 21	489
U.S. HWY. 51 ACROSS BOX CREEK (ELEVATION)	C2 OF 21	490
U.S. HWY. 51 ACROSS BOX CREEK (FOUNDATION PLAN)	C3 OF 21	491
FORM GRADES	C4 OF 21	492
GENERALIZED SOIL PROFILE	C5 OF 21	493
END BENT NO. 1 DETAILS	C6 OF 21	494
END BENT NO. 6 DETAILS	C7 OF 21	495
END BENT DETAILS	C8 OF 21	496
INT. BENT NO. 2 DETAILS	C9 OF 21	497
INT. BENT NO. 3 DETAILS	C10 OF 21	498
DRIFT DEFLECTOR DETAILS FOR INT. BENT NO. 3	C11 OF 21	499
INT. BENT NO. 4 DETAILS	C12 OF 21	500
INT. BENT NO. 5 DETAILS	C13 OF 21	501
40 FT. SPAN DETAILS	C14 OF 21	502
40 FT. SPAN DETAILS	C15 OF 21	503
40 FT. SPAN DETAILS	C16 OF 21	504
60 FT. SPAN DETAILS	C17 OF 21	505
60 FT. SPAN DETAILS	C18 OF 21	506
60 FT. SPAN DETAILS	C19 OF 21	507
40 FT. BEAM DETAILS (END & INT. SPAN) BEAM 40-3 (TYPE I+2)	C20 OF 21	508
60 FT. BEAM DETAILS (INT. SPAN) BEAMS 60-1 THRU 60-3 (TYPE II+2)	C21 OF 21	509

**SPECIAL DESIGN SHEETS
DETOUR BRIDGE DRAWINGS**

DESCRIPTION OF SHEETS	WORKING NUMBER	SHEET NUMBER
DETOUR BRIDGE AT STA. 87+32.00 (TACKETTS CREEK)	DBA1 OF 1	510
DETOUR BRIDGE AT STA. 46+12.91 (MILLS CREEK)	DBB1 OF 1	511

BRIDGE DIVISION REVISIONS		
DATE	SHEET NO.	BY

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
		DETAILED INDEX (BRIDGE)			
		PROJECT 100446/301000		WORKING NUMBER	
		BR-1681-00(006)		DI-B	
		HOLMES COUNTY		SHEET NUMBER	
				3	
DESIGNED	KLC	DATE	10/16/2005	TRACED	CADD
CHECKED	BJJ	ISSUED	MKC	DATE	10/16/2005

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 ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- ③ 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.
- ④ THE 25% SHRINKAGE FACTOR USED IN EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- ⑤ FOR LIST OF PUBLIC UTILITIES, SEE WORKING SHEET NO. 3.
- ⑥ EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT 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 FLUORESCENT 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.
- ⑧ 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.
- ⑨ THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT-OF-WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
-  ⑩ ANYWHERE IN THESE PLANS WHEN REFERENCING IS MADE TO PROJECT NUMBER BR-1681-00(006), IT IS UNDERSTOOD THAT THE CORRECT PROJECT NUMBER IS BR-1681-00(015).

12/1/2006 10:49 AM GNOTES.DGN PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
GENERAL NOTES			
PROJECT: BR-1681-00(015) 			WORKING NUMBER
COUNTY: HOLMES			GN-1
FILENAME: gnotes.dgn			SHEET NUMBER
DESIGN TEAM	MOREA	CHECKED	DATE
			4