

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0019-02(041)	1

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY	1
<input checked="" type="checkbox"/> PERMANENT SIGNS	1001
<input type="checkbox"/> TRAFFIC SIGNALS	2001
<input type="checkbox"/> ITS COMPONENTS	3001
<input type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input type="checkbox"/> BRIDGE STANDARD DWGS	7001
<input checked="" type="checkbox"/> BRIDGE	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

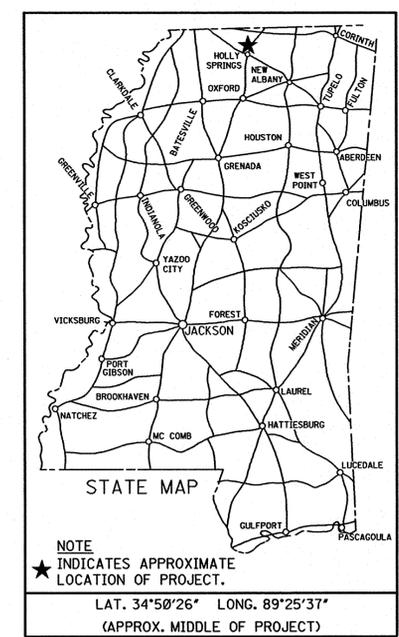
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0019-02(041)

SR 7 BRIDGE REPLACEMENT MARSHALL COUNTY

CONSTRUCTION FMS 105189/301000



SCALES

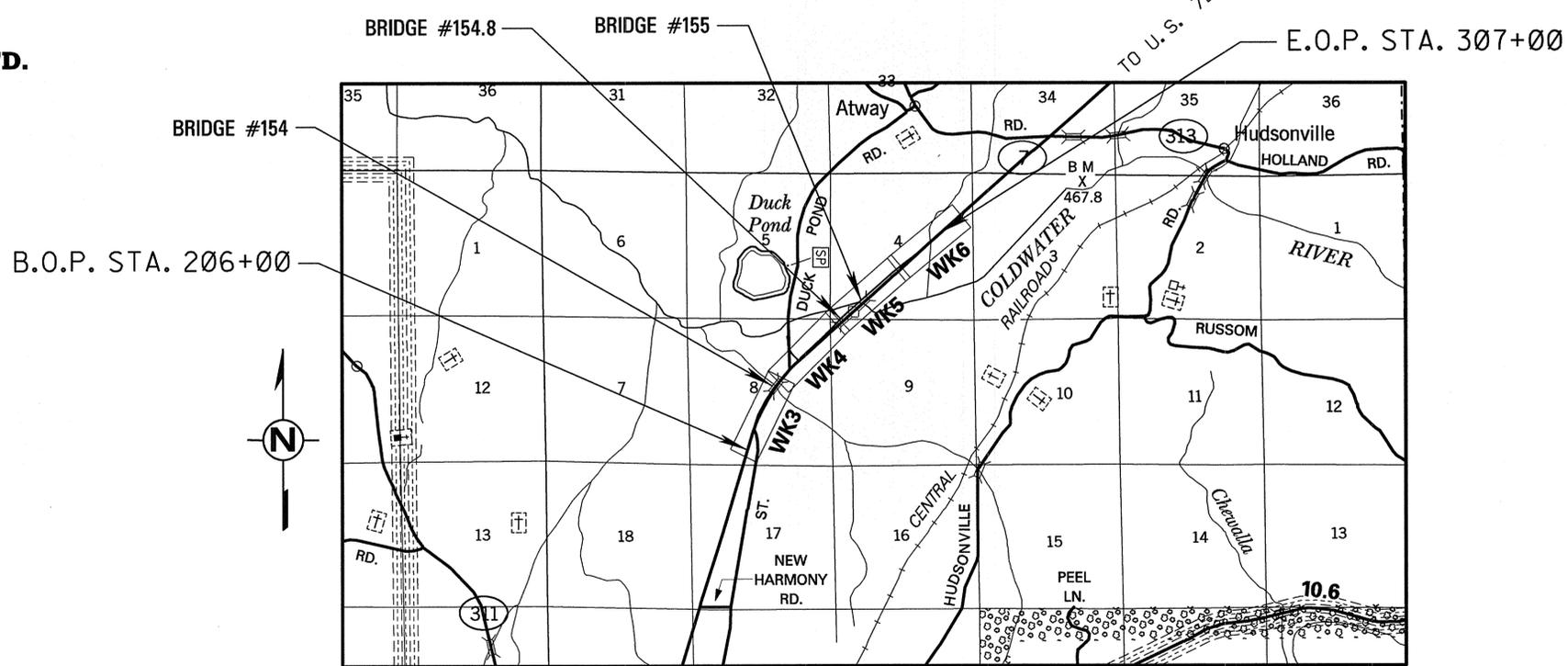
PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 3000 FT.

BRIDGE STRUCTURES REQ'D.

- BRIDGE #154.0
STA. 229 + 81.21 TO STA. 234 + 82.79
SPANS: 4@40', 1@60', 7@40'
- BRIDGE #154.8
STA. 272 + 68.21 TO STA. 277 + 89.79
SPANS: 5@40', 1@80', 6@40'
- BRIDGE #155.0
STA. 280 + 47.21 TO STA. 284 + 88.79
SPANS: 5@40', 1@80', 4@40'

BOX BRIDGES REQ'D.

NONE



DESIGN CONTROL

65 MPH = V (SPEED DESIGN)

ADT (2014) = 3200 ; ADT (2034) = 4400
DHV = 440 ; D = 60 % T = 16 %

PERMITS ACQUIRED BY MDT

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 (NOI SUBMITTED BY MDT (DISTURBED AREA=5 ACRES))

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

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *[Signature]* DATE: 8/21/13

GPS CONTROL NOTES

HORIZONTAL DATUM:	NAD 83(93)	MS EAST ZONE	(US SURVEY FEET)
HORIZONTAL MONUMENT	NORTH	EAST	
HOLLY	1930311.79	777920.56	
72V43	1986459.41	780177.53	
GR 35008930	1999440.54	784094.16	

VERTICAL DATUM:	NAVD 88	(US SURVEY FEET)
VERTICAL MONUMENT	ELEVATION	
L 32	535.18	

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	0.999985869
GRID TO GEODETIC AZIMUTH	(-)00°20'13.16"

EQUATIONS

STA. 249 + 97.460 BK = STA. 249 + 15.035 AH + 82.425'
 STA. 305 + 03.082 BK = STA. 304 + 98.000 AH + 5.082'

LENGTH DATA

LENGTH OF ROADWAY	8722.757 FT.	1.652 MI.
LENGTH OF BRIDGES	1464.750 FT.	0.277 MI.
LENGTH OF PROJECT (NET)		1.929 MI.
LENGTH OF EXCEPTIONS		
LENGTH OF PROJECT (GROSS)		1.929 MI.

EXCEPTIONS

NONE

8/21/2013 8:12 AM TITILE.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION



DESCRIPTION OF SHEET

WKG.
NO.

SH.
NO.

DESCRIPTION OF SHEET

WKG.
NO.

SH.
NO.

TITLE SHEET (1)		1	SPECIAL DESIGN SHEETS (CONTINUED)		
DETAILED INDEX & GENERAL NOTES (4)			PAVEMENT MARKINGS - B.O.P. STA. 206+00 TO STA. 223+00	PM-1	45
DETAILED INDEX	DI-1	2	PAVEMENT MARKINGS - STA. 223+00 TO STA. 241+00	PM-2	46
GENERAL NOTES	DI-2	3	PAVEMENT MARKINGS - STA. 241+00 TO STA. 257+00	PM-3	47
GENERAL NOTES	GN-1	4	PAVEMENT MARKINGS - LOCAL RD AT STA. 244+00	PM-4	48
GENERAL NOTES	GN-2	5	PAVEMENT MARKINGS - STA. 257+00 TO STA. 275+00	PM-5	49
			PAVEMENT MARKINGS - STA. 275+00 TO STA. 293+00	PM-6	50
			PAVEMENT MARKINGS - STA. 293+00 TO E.O.P. STA. 307+00	PM-7	51
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TYPICAL SECTION - MAINLINE	TS-1	6	INTERSECTION DETAIL - STATION 244+00	ID-2	53
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STA. 234+00 TO STA. 263+00 - MAINLINE	4	26	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL		
LOCAL ROAD AT STA. 244+00	4A	27	HEIGHTS 4-12 FT., SPANS 4-24 FT.	SD-IWS-3A	76
STA. 263+00 TO STA. 293+00 - MAINLINE	5	28	BOX CULVERT DRAWING - IBS CULVERTS MODIFIED FOR HIGH COVER	SD-IBSM-3W	77
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TRAFFIC CONTROL PLAN - PHASE II, STA. 293+00 TO E.O.P. STA. 307+00	TC-14	44			

McCOLLUM		
PS & E PLANS-DATE: 08/23/2013		
FMS CON. # 105189/301000		
REVISIONS		
DATE	SHEET NO.	BY



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. BR-0019-02(041)	WORKING NUMBER
COUNTY : MARSHALL	DI-1
FILENAME: DETAIL INDEX.DGN	SHEET NUMBER
DESIGN TEAM : McCOLLUM CHECKED	DATE 06/28/12
	2

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY DESIGN & CONSTRUCTION
 8/22/2013 8:43 AM DETAIL INDEX.DGN

DESCRIPTION OF SHEET

WKG.
NO. SH.
NO.

DESCRIPTION OF SHEET

REVISION
DATE WKG.
NO. SH.
NO.

SPECIAL DESIGN SHEETS (CONTINUED)

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PERMANENT SIGNING - STA. 223+00 TO STA. 241+00	PSP-2	1001
PERMANENT SIGNING - STA. 241+00 TO STA. 257+00	PSP-3	1001
PERMANENT SIGNING - LOCAL RD. AT STA. 244+00	PSP-4	1001
PERMANENT SIGNING - STA. 257+00 TO STA. 275+00	PSP-5	1001
PERMANENT SIGNING - STA. 275+00 TO STA. 293+00	PSP-6	1001

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FOR 2-LANE, 2-WAY HIGHWAYS	12-01-99	GR-4A	6195
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2. EXCAVATION AT GRADE POINTS		MDS-1	6290
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FLARED END SECTION FOR CONCRETE ARCH PIPE		FE-1A	6329

CROSS SECTIONS (37)

MAINLINE			9001-9033
LOCAL ROAD AT STA. 212+79.76			9034
LOCAL ROAD AT STA. 244+00			9035-9037

TOTAL SHEETS (ROADWAY) 189

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. BR-0019-02(041)	
COUNTY : MARSHALL	
WORKING NUMBER	DI-2
FILENAME: _____	DETAIL INDEX.DGN
DESIGN TEAM: _____	McCOLLUM CHECKED _____ DATE 06/28/12
SHEET NUMBER	3

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) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- (4) REMOVAL OF EXISTING EMBANKMENT IN WETLANDS TO NATURAL GROUND BETWEEN STATION 225+00 - STATION 235+00 AND STATION 261+00 - STATION 297+00. SEE X-SECTIONS FOR MORE DETAIL.
- (5) 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- (6) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, AND BRIDGES FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. 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.
- (7) ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES SHALL BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC, THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.
- (8) VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO, POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- (9) 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.
- (10) WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING 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 STRUCTURES ADJACENT TO THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- (11) WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE.
- (12) FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE WK. NO. SD-ICJS-1 FOR DETAILS)
- (13) FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.
- (14) 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.

GENERAL NOTES

- (15) THE COST OF ANY COLLARS REQUIRED TO CONNECT CONCRETE FLARED END SECTIONS TO NON-CONCRETE PIPE SECTIONS SHALL BE ABSORBED IN THE COST FOR NON-CONCRETE PIPE.
- (16) VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.
- (17) ALL DIMENSIONS AND SPACINGS FOR BRIDGE RAIL CONNECTORS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
- (18) ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (19) CLEARING IN WETLANDS AREA UNDERNEATH 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.
- (20) CLEARING IN WETLANDS IS LIMITED TO TEN (10) FEET BEYOND CONSTRUCTION LIMITS EXCEPT UNDER BRIDGES AND IN SIGHT FLARES. CLEARING UNDER BRIDGES (IN WETLANDS) IS LIMITED TO WITHIN TWENTY-FIVE (25) FEET ON ONE SIDE OF THE CENTERLINE AND FIFTY (50) FEET ON THE OTHER SIDE OF THE CENTERLINE. WITHIN THIS SEVENTY-FIVE (75) FOOT WIDE AREA, THE CONTRACTOR SHALL BE PERMITTED TO CONSTRUCT A TEMPORARY HAUL ROAD. UPON COMPLETION OF THE BRIDGE, THIS ROAD SHALL BE REMOVED BY THE CONTRACTOR TO NATURAL GROUND ELEVATION. ALL COSTS ASSOCIATED WITH THE HAUL ROAD ARE TO BE INCLUDED IN OTHER BID ITEMS. ADDITIONAL CLEARING IN THE VICINITY OF THE BRIDGE, OUTSIDE THE SEVENTY-FIVE (75) FOOT WIDE AREA, IS TO BE DONE WITH SAWS ONLY (NO DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB THE NATURAL GROUND SURFACE).
- (21) REMOVAL OF RAISED PAVEMENT MARKERS THAT ARE IN CONFLICT WITH REQUIRED CONSTRUCTION IS NOT CONSIDERED A SEPARATE PAY ITEM. COST TO BE ABSORBED IN OTHER ITEMS BID.
- (22) REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM, AND SHALL BE ABSORBED IN OTHER ITEMS BID.
- (23) WHERE MILLING IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.

8/21/2013 9:43 AM GENERAL NOTES.DGN

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		GENERAL NOTES	
		PROJECT NO. BR-0019-02(041) COUNTY : MARSHALL	
			
		WORKING NUMBER GN-1	
		SHEET NUMBER 4	
REVISION	BY	FILENAME: GENERAL NOTES.DGN	
DATE		DESIGN TEAM: McCOLLUM CHECKED: DATE:	

