

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 checked="" 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-0510-00(009)

SR 433 REPLACE 3 BRIDGES
NOS. 15.7, 17.4, 19.1
YAZOO COUNTY

FMS CONST 103321/301000

SCALES

PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 5280 FT.

BRIDGE STRUCTURES REQ'D.

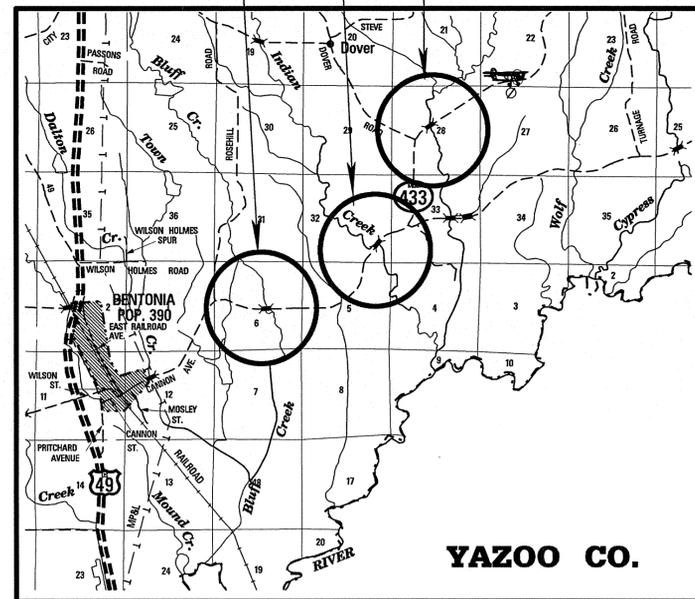
STA. 199+99.16 - BR. NO. 17.4
 (1 @ 39'-4" - 1 @ 40' - 1 @ 90' - 1 @ 40' - 1 @ 39'- 4" SPANS)
 SKEW 20° RT. FWD.

STA. 287+52.08 - BR. NO. 19.1
 (1 @ 39'-3 3/8" - 1 @ 40' - 1 @ 80' - 1 @ 135' - 1 @ 80'
 2 @ 40' - 1 @ 39'-3 3/8" SPANS)
 SKEW 30° LT. FWD.

BOX BRIDGES REQ'D.

STA. 115+66
 141' - 18' X 12' BOX BRIDGE REQ'D.
 15° LT. FWD. SKEW
 20.53' LENGTH ALONG C.L.

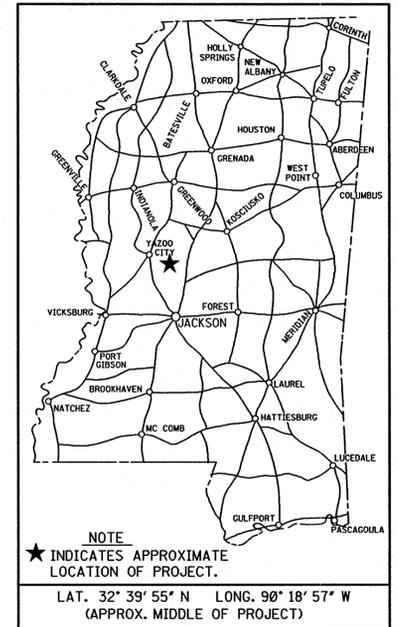
BR # 15.7 **BR # 17.4**
BR # 19.1



LENGTH DATA

LENGTH OF ROADWAY	7081.062 FT.	1.341 MI.
LENGTH OF BRIDGES	748.52 FT.	0.142 MI.
LENGTH OF PROJECT (NET)		MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)		1.483 MI.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0510-00(009)	1



DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2013) = 1000 ; ADT (2033) = 1200
 DHV = 140 ; D = 50 % T = 15 %

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, CNQI SUBMITTED BY MDT (DISTRIBUTED AREA= 5 ACRES + INTD 6484)
 S REQUIRED, SCQI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (NTB 6483)
 N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *[Signature]* DATE: 12/4/13

APPROVED:	<i>[Signature]</i>	12/11/13
CHIEF ENGINEER		DATE
APPROVED:	<i>[Signature]</i>	12/11/13
EXECUTIVE DIRECTOR		DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:		
DIVISION ADMINISTRATOR		DATE
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		



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

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET			1
DETAILED INDEX AND GENERAL NOTES (3)			
DETAILED INDEX	DI-1		2
DETAILED INDEX	DI-2		3
GENERAL NOTES	GN-1		4
TYPICAL SECTION SHEETS (5)			
TYPICAL SECTIONS - NEW CONSTRUCTION	TS-1		5
TYPICAL SECTIONS - WIDENING AND OVERLAY	TS-2		6
TYPICAL SECTIONS - TRANSITIONS AT REALIGNMENT SECTIONS	TS-3		7
TYPICAL SECTIONS - CONSTRUCTION AND REMOVAL OF DETOUR ROAD (BR. NO. 15.7)	TS-4		8
TYPICAL SECTIONS - LOCAL ROADS	TS-5		9
SUMMARY OF QUANTITY SHEETS (4)			
SUMMARY OF QUANTITIES	SQ-1		10
SUMMARY OF QUANTITIES	SQ-2		11
SUMMARY OF QUANTITIES	SQ-3		12
SUMMARY OF QUANTITIES	SQ-4		13
ESTIMATED QUANTITY SHEETS (8)			
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES	EQ-1		14
ESTIMATED QUANTITIES - SIDE DRAINS AND REMOVAL OF PIPE	EQ-2		15
ESTIMATED QUANTITIES - GUARD RAIL AND BRIDGE END PAVEMENT	EQ-3		16
ESTIMATED QUANTITIES - BOX BRIDGES AND BOX CULVERTS	EQ-4		17
ESTIMATED QUANTITIES - EARTHWORK	EQ-5		18
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	TCP-Q		19
STANDARD ROADSIDE SIGN QUANTITIES	SRS-1		19.1
STANDARD ROADSIDE SIGN QUANTITIES	SRS-2		19.2
PLAN AND PROFILE SHEETS (8)			
STA. 109+00 TO STA. 121+00	3		20
STA. 109+00 TO STA. 121+00	3A		21
STA. 183+74.727 TO STA. 205+00	4		22
STA. 205+00 TO STA. 215+95	4-1		23
STA. 272+50 TO STA. 295+00	5		24
STA. 295+00 TO STA. 302+74	5-1		25
LOCAL RD. @ STA. 276+38.035	5A		26
LOCAL RD. @ STA. 295+91.606	5B		27
SPECIAL DESIGN SHEETS (68)			
VEGETATION SCHEDULE	VS-1		28
DETAIL OF CONSTRUCTION SIGNING - BR. NO.S 15.7 & 17.4	DCS-1		29
DETAIL OF CONSTRUCTION SIGNING - BR. NO. 19.1	DCS-2		30
TRAFFIC CONTROL PLAN - BR. NO. 15.7	TC-1		31
TRAFFIC CONTROL PLAN - BR. NO. 17.4 - PHASE I	TC-2		32
TRAFFIC CONTROL PLAN - BR. NO. 17.4 - PHASE I	TC-3		32.1
TRAFFIC CONTROL PLAN - BR. NO. 17.4 - PHASE II	TC-4		32.2
TRAFFIC CONTROL PLAN - BR. NO. 17.4 - PHASE II	TC-5		32.3
TRAFFIC CONTROL PLAN - BR. NO. 19.1 - PHASE I	TC-6		33
TRAFFIC CONTROL PLAN - BR. NO. 19.1 - PHASE II	TC-7		33.1
PAVEMENT MARKING DETAIL - BR. NO. 15.7	PMD-1		34
PAVEMENT MARKING DETAIL - BR. NO. 15.7 (DETOUR)	PMD-2		35
PAVEMENT MARKING DETAIL - BR. NO. 17.4	PMD-3		36
PAVEMENT MARKING DETAIL - BR. NO. 17.4	PMD-4		37

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

PAVEMENT MARKING DETAIL - BR. NO. 17.4	PMD-5		38
PAVEMENT MARKING DETAIL - BR. NO. 19.1	PMD-6		39
PAVEMENT MARKING DETAIL - BR. NO. 19.1	PMD-7		40
PAVEMENT MARKING DETAIL - BR. NO. 19.1	PMD-8		41
INTERSECTION DETAIL - LOCAL RD. @ STA. 276+38	INT-1		42
INTERSECTION DETAIL - LOCAL RD. @ STA. 295+91	INT-2		43
RIGHT OF WAY MARKER	RW-1		44
RIGHT OF WAY MARKERS - SITE 1	ROW-1		44.1
RIGHT OF WAY MARKERS - SITE 2	ROW-2		44.2
RIGHT OF WAY MARKERS - SITE 3	ROW-3		44.3
LOCATION OF R16-3 SIGNS	MDS-1		45
TWO-WAY CLEAR RAISED PAVEMENT MARKERS PLACED ON SIDE ROADS	CRPMSR-2		46
SUPERELEVATION CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	SDSE-2A		47
SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTERLINE	SDRO-1		48
33.5" BRIDGE END PAVEMENT RAIL	BE-PR-1B		49
BRIDGE END PAVEMENT WITH RAIL AND OVERLAY	BE-1C		50
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)	GR-2F		51
GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)	GR-2G		52
GUARDRAIL: RUB RAIL HARDWARE SHEET	GR-RR		53
GUARD RAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS	TGR-1		53.1
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1		54
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAINS AND TYPE A SILT BASINS)	TEC-2		55
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASINS) (RIPRAP DIKE SILT BASIN)	TEC-D		56
SPECIAL DESIGN: RUMBLE STRIPES (GROUND IN) - 2-LANE	RS-2L		56.1
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SDTCP-10		56.2
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SDSN-8		56.3
EROSION CONTROL DETAILS (20)	ECD-1 TO ECD-20		57 - 76
EROSION CONTROL PLANS (5)	ECP-3 TO ECP-5-1		77 - 81
SIGNING PLANS (3)			
PERMANENT SIGNING PLAN - SITE 1	PSP-1		1001
PERMANENT SIGNING PLAN - SITE 2	PSP-2		1002
PERMANENT SIGNING PLAN - SITE 3	PSP-3		1003
STANDARD DRAWINGS - ROADWAY SHEETS (29)			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12-01-99	PM-1	6120
EROSION CONTROL	10-01-98	EC-1	6140
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)	10-01-98	TEC-3	6144
GUARD RAIL: "W" BEAM (WOOD POSTS)	03-01-02	GR-1	6180
GUARD RAIL: THRIE BEAM (WOOD POSTS)	03-01-02	GR-1A	6181
GUARD RAIL: "W" BEAM (STEEL POSTS)	03-01-02	GR-1B	6182
GUARD RAIL: MODIFIED THRIE BEAM (STEEL POSTS)	03-01-02	GR-1C	6183
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	6195

WALDON

PS & E PLANS-DATE..12-12-2013		
FMS CON. # 103321/301000		
REVISIONS		
DATE	SHEET NO.	BY
1/17/14	4, 11, 13, 22,	
	24, 56	GTW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. :BR-0510-00(009)	
COUNTY : YAZOO	
FILENAME: INDEX433.DGN	
DESIGN TEAM	CHECKED DATE
WORKING NUMBER DI-1	
SHEET NUMBER 2	



1/17/2014 8:18 AM I:INDEX433.DGN

GENERAL NOTES

- ① ALL ITEMS THAT CONFLICT WITH REQUIRED CONSTRUCTION, FOR WHICH NO PAY ITEM IS SHOWN, SHALL BE REMOVED UNDER THE CLEARING AND GRUBBING PAY ITEM.
- 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 ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART IV OF THE MUTCD (LATEST EDITION)
- ④ EROSION CHECKS: QUANTITY ESTIMATED ON THE BASIS OF 4 BALES PER EVERY 25 TO 100 L.F. OF DITCH, AND 4 BALES AT EACH PIPE END SECTION. 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 PROJECT. (SEE WK. NO. TEC-1 FOR DETAILS)
- ⑤ FOR A LIST OF PUBLIC UTILITIES, SEE WK. NO. 3.
- ⑥ WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. TEC-1)
- ⑦ WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT TO PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURING DURING 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 COST 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.
- ⑬ THE CLEARING LIMITS ADJACENT TO THE STEAMS AT STATIONS 115+66 (BLUFF CREEK), 201+30 +/- (INDIAN CREEK) AND 289+66 +/- (WALESHEBA CREEK) WILL BE LIMITED TO NO  FURTHER THAN TEN (10) FEET OUTSIDE THE CONSTRUCTION LIMITS WHEN ANY CLOSER TO THE STREAM THAN FIFTY (50) FEET FROM THE TOP OF THE BANKS.

- ⑧ 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.
- 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 FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND ON WHITE BACKGROUND.
- ⑪ FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE ICJ-1 FOR DETAILS)
- ⑫ 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 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.
- ⑬ FULL DEPTH SAW CUTS WILL BE REQUIRED AT ALL LOCATIONS WHERE OLD ROADBED AND DETOUR ARE REMOVED IN THE AREAS ADJOINING NEW ROADBED. PRICE ABSORBED IN REMOVAL OF ASPHALT PAVEMENT PAY ITEM.
- ⑭ SEE BRIDGE PLANS FOR DETAILED INDEX SHEET(S), ESTIMATED AND SUMMARY OF QUANTITY SHEETS, AND EROSION CONTROL SHEETS.

⑮ BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NO LONGER BE MAILED. ALL ADENDA FOR THIS PROJECT WILL BE POSTED TO www.mdot.ms.gov UNDER THE PROPOSAL ADDENDA COLUMN. IT IS THE BIDDERS RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT. PLEASE CONTACT CONTRACT ADMINISTRATION DIVISION AT 601-359-7700 FOR ANY QUESTIONS REGARDING ELECTRONIC ADDENDA.

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		GENERAL NOTES	
			
		PROJ. NO. :BR-0510-00(009) COUNTY: YAZOO	
		FILENAME: INDEX433.DGN DESIGN TEAM _____ CHECKED _____ DATE _____	
		WORKING NUMBER GN-1 SHEET NUMBER 4	

1/17/2014 8:18 AM I:INDEX433.DGN