

STATE OF MISSISSIPPI

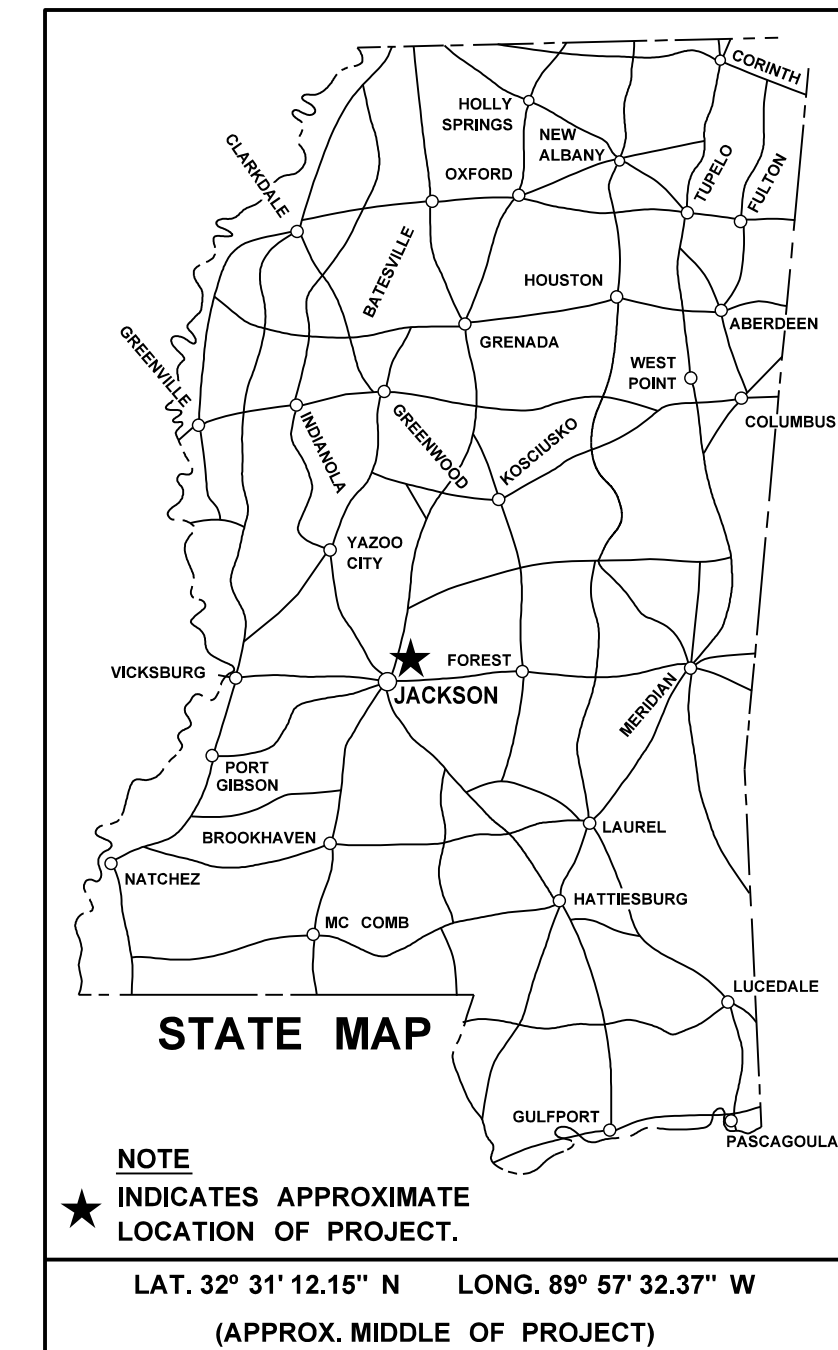
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO.: STP-0037-04(060)

**BRIDGE REMOVAL  
S.R. 43 BR. NO. 184.7 AND 185.2  
MADISON COUNTY**

FMS CON. NO. 107490/301000

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	STP-0037-04(060)	1



**GENERAL INDEX**

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input 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"/> BOX CULVERT STD. DRAWINGS (LRFD) .....	7001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (STD. SPEC.) .....	7501
<input checked="" type="checkbox"/> BRIDGE .....	8001
<input checked="" type="checkbox"/> CROSS SECTIONS .....	9001

**BRIDGE STRUCTURES REQ'D.  
NONE**

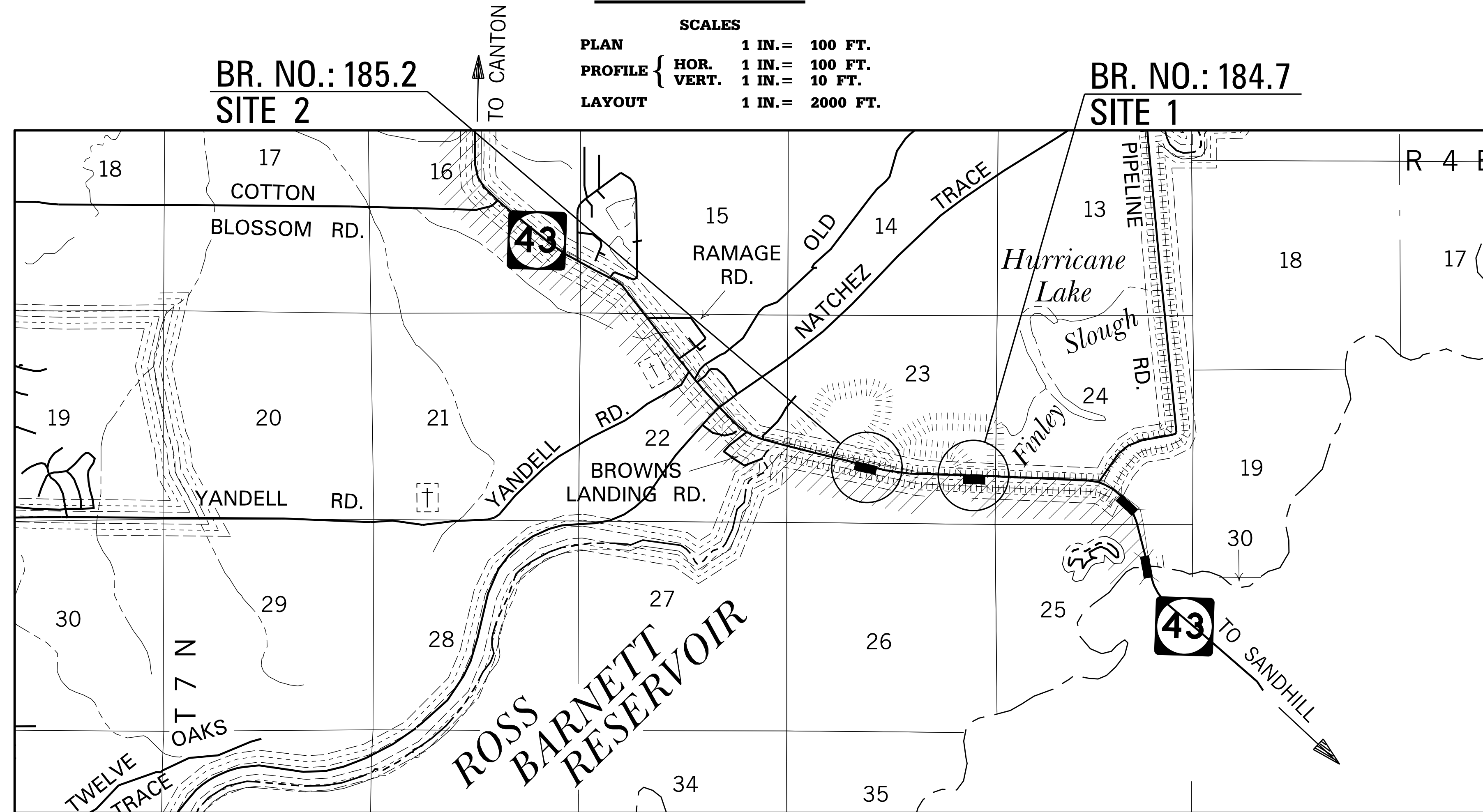
**BOX BRIDGES REQ'D.  
NONE**

**GPS CONTROL NOTES**

HORIZONTAL DATUM: NAD 83/93		MS WEST ZONE (US SURVEY FEET)	
HORIZONTAL MONUMENT	NORTH	EAST	
SPILLWAY	1054010.14	2379559.15	
HATCH RESET	1024662.23	2464821.10	
Y362	1019195.72	2349582.13	
VERTICAL DATUM: NAVD		(US SURVEY FEET)	
VERTICAL MONUMENT	ELEVATION		
Q239	379.88'		
H3	239.45'		
ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET			
CONVERSION VALUES		PROJECT AVERAGE	
GROUND TO GRID (COMBINED) FACTOR		0.999950716	
GRID TO GEODETIC AZIMUTH		0°12'00.34632"	

**SCALES**

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 2000 FT.



**EQUATIONS**  
STA. 79 + 08.627 BK = STA. 75 + 16.500 AH

**LENGTH DATA**

LENGTH OF ROADWAY	1250.00	FT.	0.237	MI.
LENGTH OF BRIDGES	0.00	FT.	0.000	MI.
LENGTH OF PROJECT (NET)			0.237	MI.
LENGTH OF EXCEPTIONS		FT.		MI.
LENGTH OF PROJECT (GROSS)			0.237	MI.

**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	-----

**DESIGN CONTROL**

55 MPH = V (SPEED DESIGN)

ADT (2018) = 4000 ; ADT (2038) = 5900  
DHV = 590 ; D = 55 % T = 23 %

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS

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

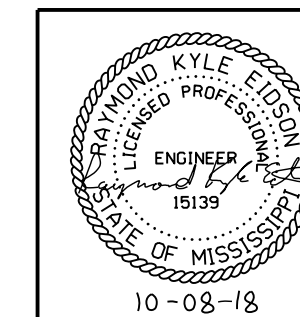
STORMWATER PERMIT  S

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)  
S REQUIRED, CNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)  
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: \_\_\_\_\_

P S & E DATE: 10-31-18

APPROVED:	_____
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER	_____
EXECUTIVE DIRECTOR	_____



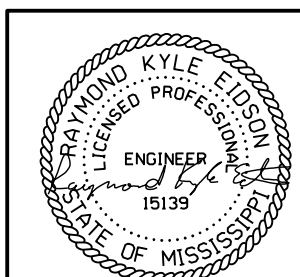
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STATE	PROJECT NO.
MISS.	STP-0037-04(060)

9/27/2018 1:01 PM DI.DGN

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>TITLE SHEET (1)</u>		1	<u>STANDARD DRAWINGS - ROADWAY SHEETS (CON'T)</u>		
<u>DETAILED INDEX &amp; GENERAL NOTES (3)</u>			TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION	ECD-11	6111
DETAILED INDEX	DI-1	2	INLET PROTECTION DETAILS FOR SEDIMENT CONTROL STONE ON GRADES AND SAGS	ECD-12	6112
GENERAL NOTES	GN-1	3	INLET PROTECTION DETAILS OF WATTLES	ECD-13	6113
GENERAL NOTES	GN-2	4	INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-14	6114
			INLET PROTECTION DETAILS OF SANDBAGS	ECD-15	6115
			STABILIZED CONSTRUCTION ENTRANCE	ECD-16	6116
<u>TYPICAL SECTION SHEETS (5)</u>			TEMPORARY STREAM DIVERSION	ECD-18	6118
TYPICAL SECTIONS - SR 43	TS-1	5	TEMPORARY STREAM DIVERSION (BOX EXTENSION)	ECD-19	6119
TYPICAL SECTIONS - DETAILS	TS-2	6	FLOATING TURBIDITY CURTAIN	ECD-20	6120
TYPICAL SECTIONS - DETAILS	TS-3	7	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	6121
TYPICAL SECTIONS - BOX CULVERT AT STA. 53+50	TS-4	8	SEDIMENT RETENTION BARRIER	ECD-22	6122
TYPICAL SECTIONS - BOX CULVERT AT STA. 78+50	TS-5	9	DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	6123
			TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)		
			GUARDRAIL: "W" BEAM (STEEL POSTS)	BAS-A	6125
			GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON 2-LANE, 2-WAY HIGHWAYS	GR-1B	6203
			GUARDRAIL: MISCELLANEOUS HARDWARE	GR-4C	6217
			TYPICAL GUARDRAIL DELINEATION	GR-HW	6221
			TRAFFIC CONTROL PLAN WITH FLAGGER	SN-8C	6317
			(ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)		
			SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS	TCP-1	6351
			HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-6	6356
			TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	TCP-8	6358
			TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	TCP-9	6359
			RURAL DRIVEWAYS	TCP-13	6363
			PRECAST CONCRETE BOX CULVERT	RD-1	6403
			PRECAST CONCRETE BOX CULVERT END SECTION	PBC-1	6538
				PBC-2	6539
			<u>SPECIAL DESIGN BRIDGE SHEETS - SEE BRIDGE SHEETS BEGINNING ON 8001</u>		
<u>QUANTITY SHEETS (5)</u>			<u>CROSS SECTIONS (19)</u>		
SUMMARY OF QUANTITIES	SQ-1	10	SR 43 - STA. 49+55 TO STA. 56+50		9001-9010
SUMMARY OF QUANTITIES	SQ-2	11	SR 43 - STA. 75+75 TO STA. 81+45		9011-9019
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS, SIGNING, PAVEMENT MARKINGS	EQ-1	12			
ESTIMATED QUANTITIES - PRECAST BOX CULVERTS, DRIVEWAYS, EARTHWORK	EQ-2	13			
ESTIMATED QUANTITIES - GUARDRAIL, EROSION CONTROL, REMOVAL ITEMS	EQ-3	14			
<u>PLAN &amp; PROFILE SHEETS (4)</u>			<u>TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS)</u>		84
SR 43 - STA. 49+55 TO STA. 56+25	3	15			
SHEET PILE WALL - STA. 49+55 TO STA. 56+25	3A	16			
SR 43 - STA. 76+00 TO STA. 81+45	4	17			
SHEET PILE WALL - STA. 76+00 TO STA. 81+45	4A	18			
<u>PAVEMENT MARKING SHEETS (2)</u>					
PAVEMENT MARKING DETAILS - STA. 49+55 TO STA. 56+25	PMD-1	19			
PAVEMENT MARKING DETAILS - STA. 76+00 TO STA. 81+45	PMD-2	20			
<u>TRAFFIC CONTROL SHEETS (3)</u>					
TRAFFIC CONTROL PLAN - SR 43 DETOUR SIGNING PLAN	DSP-1	21			
TRAFFIC CONTROL PLAN - SR 43 DETOUR SIGNING PLAN	DSP-2	22			
TRAFFIC CONTROL PLAN - TEMPORARY LAUNCH RAMPS & PHASING NOTES	TPN-1	23			
<u>SPECIAL DESIGN SHEETS (6)</u>					
SAND BLANKET DETAIL	SBD-1	24			
VEGETATION SCHEDULE	VS-1	25			
SR 43 - STA. 49+55 TO STA. 56+25	ECP3	26			
SHEET PILE WALL - STA. 49+55 TO STA. 56+25	ECP3A	27			
SR 43 - STA. 76+00 TO STA. 81+45	ECP4	28			
SHEET PILE WALL - STA. 76+00 TO STA. 81+45	ECP4A	29			
<u>STANDARD DRAWINGS - ROADWAY SHEETS (36)</u>					
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	PM-1	6051			
TYPICAL TEMPORARY EROSION CONTROL/SEDIMENT CONTROL APPLICATIONS	ECD-1	6101			
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	6102			
DETAILS OF SILT FENCE INSTILLATION	ECD-3	6103			
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	6104			
TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION CONTROL MEASURES (SILT FENCE AND HAY BALE DITCH CHECKS)	ECD-5	6105			
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	6106			
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	6107			
ROCK DITCH CHECK	ECD-8	6108			
ROCK FILTER DAM	ECD-9	6109			
ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM	ECD-10	6110			

NEEL-SCHAFFER		
PS & E PLANS-DATE: 10-31-18		
FMS CON. # 107490/301000		
REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
	
PROJ. NO.: STP-0037-04(060) COUNTY: MADISON	
WORKING NUMBER <b>DI-1</b>	SHEET NUMBER <b>2</b>
FILENAME: DI.dgn DESIGN TEAM: NEEL-SCHAFFER CHECKED: UPDATE DATE:	

STATE	PROJECT NO.
MISS.	STP-0037-04(060)

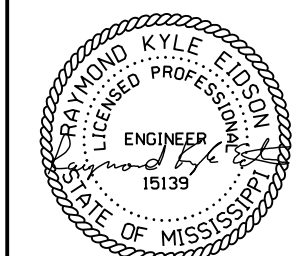
GENERAL NOTES

- (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) 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.
- (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) 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**, THE COST OF WHICH WILL BE ABSORBED IN OTHER ITEMS BID.
- (8) 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.
- (9) 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.
- (10) LIST OF PUBLIC UTILITIES  
A. ENTERGY - 601-351-4150
- (11) 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.
- (12) SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS INCLUDED IN THE PLANS.
- (13) WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)
- (14) VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.

GENERAL NOTES (CONT.)

- (15) THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE.
- (16) 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.
- (17) 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.
- (18) THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE 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. ANY ADDITIONAL SILT BASINS NOT SHOWN IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL PLAN PRIOR TO SUBMITTING FOR APPROVAL.
- (19) THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
- (20) TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
- (21) IF COLORS ARE USED ON PLAN/PROFILE SHEETS, THEY ARE INTENDED TO VISUALLY EASE THE LOCATION OF ELEMENTS FOR USERS OF THESE DRAWINGS. ALTHOUGH THE INTENT IS TO CATEGORIZE EVERYTHING AS EITHER EXISTING OR PROPOSED, IT IS THE END USER'S RESPONSIBILITY TO ENSURE ALL ELEMENTS ARE INTERPRETED CORRECTLY, REGARDLESS OF COLOR.

9/27/2018 1:01 PM GN.DGN

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		<b>GENERAL NOTES</b>	
		PROJ. NO.: STP-0037-04(060) COUNTY: MADISON	
		FILENAME: GN.dgn DESIGN TEAM: NEEL-SCHAFFER CHECKED _____ DATE _____	
			
		WORKING NUMBER <b>GN-1</b>	
		SHEET NUMBER <b>3</b>	

STATE	PROJECT NO.
MISS.	STP-0037-04(060)

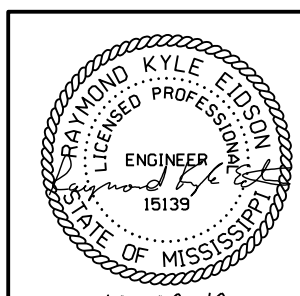
GENERAL NOTES (CONT.)

- (22) SEE BRIDGE PLANS FOR DETAILED INDEX SHEET(S), ESTIMATED AND SUMMARY OF QUANTITY SHEETS, AND EROSION CONTROL SHEETS.
- (23) ALL ADDENDA TO THESE PLANS WILL BE POSTED TO [WWW.MDOT.MS.GOV](http://WWW.MDOT.MS.GOV) UNDER THE PROPOSAL ADDENDA COLUMN. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.
- (24) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES.

GENERAL NOTES (CONT.)

9/27/2018 1:02 PM GN.DGN

PLAN DIVISION  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>GENERAL NOTES</b>	
	
PROJ. NO.:	STP-0037-04(060)
COUNTY:	MADISON
WORKING NUMBER	<b>GN-2</b>
FILENAME:	GN.dgn
DESIGN TEAM:	NEEL-SCHAFFER
CHECKED:	DATE
SHEET NUMBER	<b>4</b>