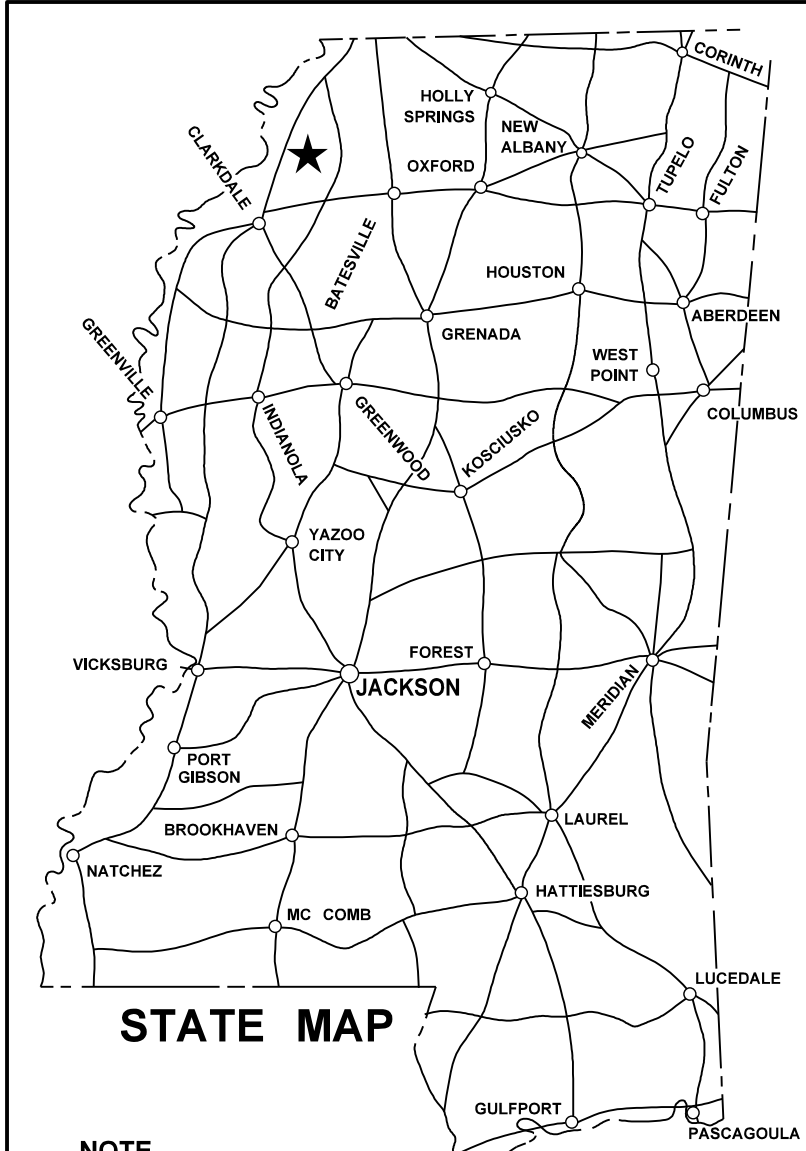


STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	BR-0060-01(005)	1



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.
LAT. 34° 37' 36.50 LONG. 90° 18' 39.64
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL
65 MPH = V (SPEED DESIGN)
ADT (2017) = 1800 : ADT (2037) = 2800
DHV = 310 : D = 60 % T = 8 %

PERMITS ACQUIRED BY MDOT
WETLANDS AND WATERS PERMITS
NATIONWIDE #14 <input checked="" type="checkbox"/> WATERS <input checked="" type="checkbox"/> WETLANDS <input checked="" type="checkbox"/>
NATIONWIDE (OTHER)* <input checked="" type="checkbox"/> WATERS <input checked="" type="checkbox"/> WETLANDS <input checked="" type="checkbox"/>
GENERAL* <input checked="" type="checkbox"/> WATERS <input checked="" type="checkbox"/> WETLANDS <input checked="" type="checkbox"/>
INDIVIDUAL (404)* <input checked="" type="checkbox"/> WATERS <input checked="" type="checkbox"/> WETLANDS <input checked="" type="checkbox"/>
STORMWATER PERMIT <input checked="" type="checkbox"/>
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: 04-16-2018	
APPROVED:	
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER	
EXECUTIVE DIRECTOR	
DATE	



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"/> 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.

BR# 12.1
STA. 227 + 38.88 TO STA. 229 + 71.13
SPANS: 1 @ 60', 1 @ 110', 1 @ 60'
LENGTH: 230'

BOX BRIDGES REQ'D.
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 OF ROADWAY	3928.065 FT.	0.7440 MI.
LENGTH OF BRIDGES	230 FT.	0.0436 MI.
LENGTH OF PROJECT (NET)	4158.065 FT.	0.7875 MI.
LENGTH OF EXCEPTIONS		
LENGTH OF PROJECT (GROSS)	4158.065 FT.	0.7875 MI.

EQUATIONS

STA. 248 + 56.288 BK = STA. 248 + 50.314 AH + 5.974'

LENGTH DATA

3928.065 FT.	0.7440 MI.
230 FT.	0.0436 MI.
4158.065 FT.	0.7875 MI.
4158.065 FT.	0.7875 MI.

EXCEPTIONS

None

STATE OF MISSISSIPPI

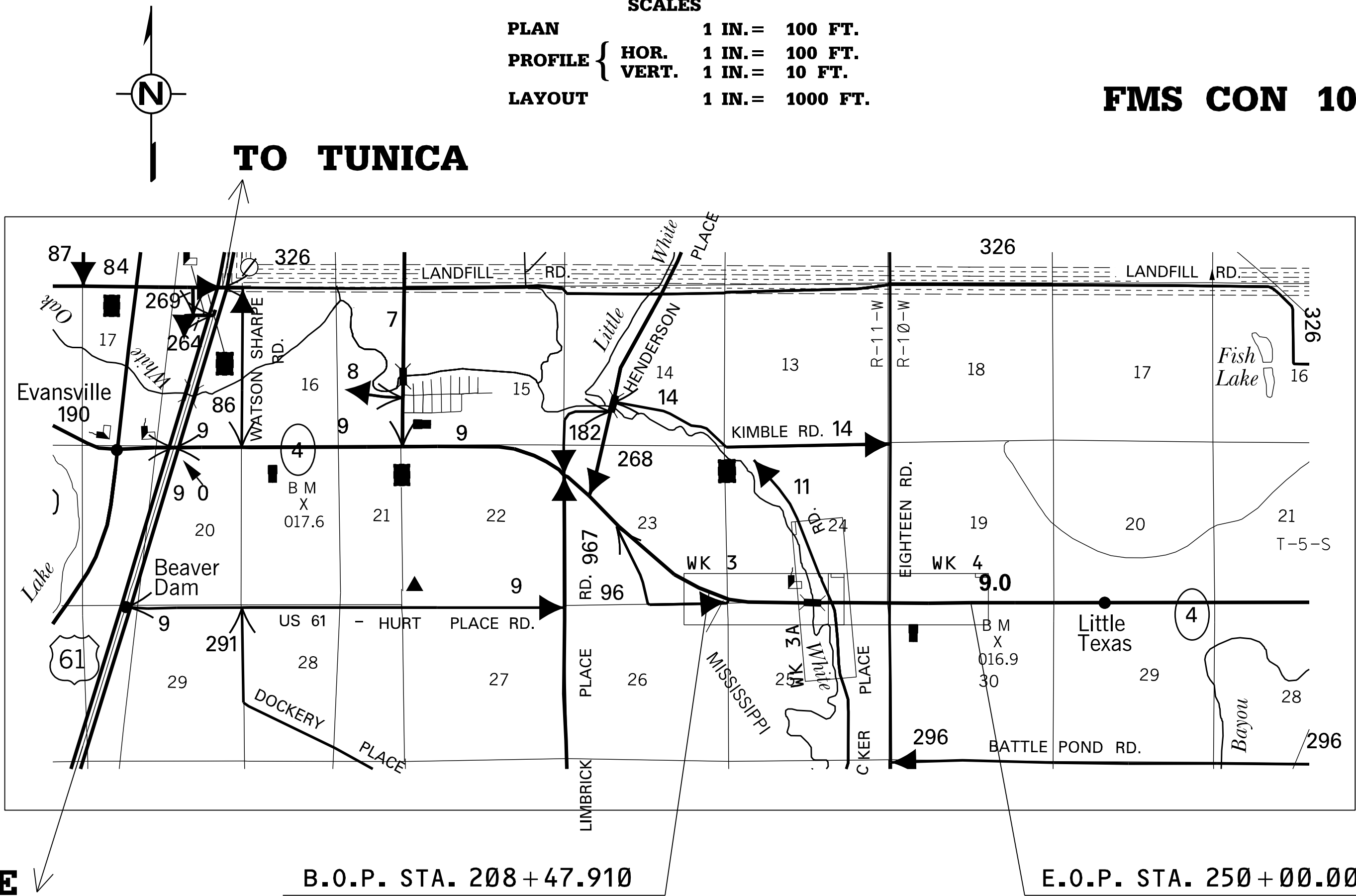
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. BR-0060-01(005)

SR 4 BETWEEN US 61 AND SR 3
BRIDGE 12.1
TUNICA COUNTY

PLAN	1 IN. = 100 FT.
PROFILE { HOR. VERT.	1 IN. = 100 FT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 1000 FT.

FMS CON 106108/301000



TO CLARKSDALE


B.O.P. STA. 208 + 47.910

E.O.P. STA. 250 + 00.001

5/29/2018 9:14 AM DI.DGN
ROADWAY PLAN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
STANDARD DRAWINGS - ROADWAY SHEETS (CON'T)			CROSS SECTIONS (18)		
STABILIZED CONSTRUCTION ENTRANCE	ECD-16	6116	MAIN FACILITY : SR 4 - (STA. 208+47.91 - STA. 250+00)		9001-9015
TEMPORARY CULVERT STREAM CROSSING	ECD-17	6117	MAIN FACILITY : TUCKER RD. - (STA. 10+00 - STA. 15+00)		9016-9018
TEMPORARY STREAM DIVERSION	ECD-18	6118			
TEMPORARY STREAM DIVERSION (BOX EXTENSION)	ECD-19	6119			
FLOATING TURBIDITY CURTAIN	ECD-20	6120			
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	6121			
SEDIMENT RETENTION BARRIER	ECD-22	6122			
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	6123	TOATAL SHEETS (145) (NOT INCLUDING BRIDGE SHEETS)		
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASIN) (135 CY CAPACITY PER ACRE OF DRAINAGE)	BAS-D	6129			
GUARDRAIL: "W" BEAM (WOOD POSTS)	GR-1	6201			
GUARDRAIL: THRIE BEAM (WOOD POSTS)	GR-1A	6202			
GUARDRAIL: "W" BEAM (STEEL POSTS)	GR-1B	6203			
GUARDRAIL: BRIDGE END SECTION-TYPE A & C	GR-2	6204			
GUARDRAIL: BRIDGE END SECTION-TYPE I (WOOD POSTS) (NEW CONSTRUCTION)	GR-2F	6210			
GUARDRAIL: BRIDGE END SECTION-TYPE I (STEEL POSTS) (NEW CONSTRUCTION)	GR-2G	6211			
GUARDRAIL: RUB RAIL HARDWARE	GR-RR	6218			
GUARDRAIL: MISCELLANEOUS HARDWARE	GR-HW	6221			
STANDARD ROADSIDE SIGNS	SN-3A	6304			
STANDARD ROADSIDE SIGNS	SN-3B	6305			
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4	6306			
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4A	6307			
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4B	6308			
BREAKAWAY SIGN SUPPORTS	SN-6A	6311			
BREAKAWAY SIGN SUPPORTS	SN-6B	6312			
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SN-8	6314			
TYPICAL GUARDRAIL DELINEATION	SN-8C	6317			
SIGNING DETAILS FOR BRIDGE APPROACHES	SN-9	6318			
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)	TCP-1	6351			
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS	TCP-6	6356			
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-8	6358			
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	TCP-9	6359			
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	TCP-13	6363			
LOCATION OF R16-3 SIGNS (SPEEDING FINES DOUBLED)	TCP-15	6365			
TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-16	6366			
RIGHT-OF-WAY MARKER	RW-1	6401			
RURAL DRIVEWAYS	RD-1	6403			
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS	GT-1	6404			
SIGHT FLARE	SF-1	6405			
DRIVEWAYS, CURB & GUTTER, & SIDEWALK	SD-1	6419			
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS	MDS-1	6425			
DETAILS OF PAVED FLUMES	PF-1	6426			
CONCRETE PIPE COLLAR	PC-1	6503			
FLARED END SECTION FOR CONCRETE PIPE	FE-1	6530			
FLARED END SECTION FOR CONCRETE ARCH PIPE	FE-1A	6531			
BOX CULVERTS STANDARDS (10)					
BASIC CULVERT DRAWING - COLLAR LOCATIONS - NORMAL AND SKEWED CULVERTS- GROUP I DIAGRAMS	IBJL-1	7005			
COLLAR DETAILS FOR BOX STRUCTURES (SINGLE & DOUBLE)	ICJ-1	7008			
BARREL DETAILS FOR SINGEL CELL BOX CULVERT, HEIGHT 6 FT.	IBS-6	7011			
BARREL DETAILS FOR SINGEL CELL BOX CULVERT, HEIGHT 6 FT.	IBS-6	7012			
BARREL DETAILS FOR SINGEL CELL BOX CULVERT, HEIGHT 6 FT.	IBS-6	7013			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL 45° SKEW DETAILS, HEIGHTS 6-12 FT., SPANS 6-24 FT.	IWS-3W-45	7100			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL 45° SKEW DETAILS, HEIGHTS 6-12 FT., SPANS 6-24 FT.	IWS-3W-45	7101			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL 45° SKEW DETAILS, HEIGHT 6 FT. SPANS 6-20 FT.	IWS-6-3W-45	7102			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL 45° SKEW DETAILS, HEIGHT 6 FT. SPANS 6-20 FT.	IWS-6-3W-45	7103			
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL 45° SKEW DETAILS, HEIGHT 6 FT. SPANS 6-20 FT.	IWS-6-3W-45	7104			

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
				REVISION	SR 4
				DATE	PROJ. NO.: BR-0060-01(005)
				DESIGN TEAM	COUNTY: TUNICA
				CHECKED	WORKING NUMBER
				DATE	DI-2
					SHEET NUMBER
					3



STATE	PROJECT NO.
MISS.	BR-0060-01(005)

GENERAL NOTES (CONT.)

- (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) 25 % SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- (5) 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.
- (6) ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES SHALL BE PLUGGED WITH PLASTIC INSERTS AND BITUMINOUS SEALER TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).
- (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) 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.
- (11) WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)
- (12) FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.
- (13) ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
- (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.
- (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) THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE

- (17) 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.
- (18) REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM, AND SHALL BE ABSORBED IN OTHER ITEMS BID.
- (19) 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.
- (20) 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.
- △ (21) PRIOR TO EARTHWORK OPERATIONS, THE EXISTING TOP 6" TOPSOIL IS TO BE STRIPPED AND STOCKPILED. AFTER THE GRADING OPERATIONS ARE COMPLETED, SAID TOPSOIL SHALL BE PLACED ON ALL AREAS THAT ARE NOT TO BE PAVED OR OTHERWISE PROTECTED, IN ACCORDANCE WITH SECTION 211 OF THE SPECIFICATIONS, OR THE VEGETATION SCHEDULE (SEE WK. SH. VEG-1). EXISTING TOPSOIL AND ALL COSTS ASSOCIATED WITH STRIPPING, HAULING, STOCKPILING, AND PLACEMENT OF THE EXISTING TOPSOIL IS TO BE ABSORBED IN OTHER EARTHWORK ITEMS.
- (22) THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
- (23) TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
- (24) ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- (25) ERECTION DATES ARE TO BE LEGIBLY WRITTEN IN BOLD, BLACK MARKINGS ON THE BACK OF ALL PERMANENT SIGNS WITH A PERMANENT MARKING STICK THAT IS WATERPROOF, FADE RESISTANT, AND MARKS ON WET OR DRY SURFACES.
- (26) 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.
- (27) SEE BRIDGE PLANS FOR DETAILED INDEX SHEET(S), ESTIMATED AND SUMMARY OF QUANTITY SHEETS, AND EROSION CONTROL SHEETS.
- (28) ALL ADDENDA TO THESE PLANS WILL BE POSTED TO 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.

[illegible]

(29) THE COST FOR REMOVAL OF ALL HEADWALLS AND WINGWALLS (PIPES, BOX CULVERTS, BOX BRIDGES) SHALL BE ABSORBED IN OTHER ITEMS BID.

(31) THE BRIDGE DECK SHALL BE GROOVED AND ALL BRIDGE JOINTS SHALL BE SEALED PRIOR TO OPENING THE BRIDGE TO TRAFFIC.

(33) DOUBLE DROP THERMOPLASTIC WILL BE USED ON THE BRIDGE DECK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE PREFORMED JOINT MATERIAL. ANY DAMAGE CAUSED BY THE THERMOPLASTIC WILL BE REPAIRED AT NO COST TO THE STATE.

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

[illegible]