**INCLUDED BEGIN THIS** WITH **PROJECT** SHEET ROADWAY ..... 1 PERMANENT SIGNS ......1001 TRAFFIC SIGNALS ......2001 ITS COMPONENTS ......3001 LIGHTING ......4001 ROADWAY STANDARD DWGS ......6001 BOX CULVERT STD. DRAWINGS (LRFD) .... 7001 BOX CULVERT STD. DRAWINGS (STD. SPEC.)7501 BRIDGE .....8001 CROSS SECTIONS ......9001

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

**CONVENTIONAL SYMBOLS** 

COUNTY LINE

TOWN CORPORATION LINE

SECTION LINE

EXISTING ROAD OR TRAVELED WAY

PROPOSED ROAD OR TRAVELED WAY

RAILROAD

SURVEY LINE

BRIDGES

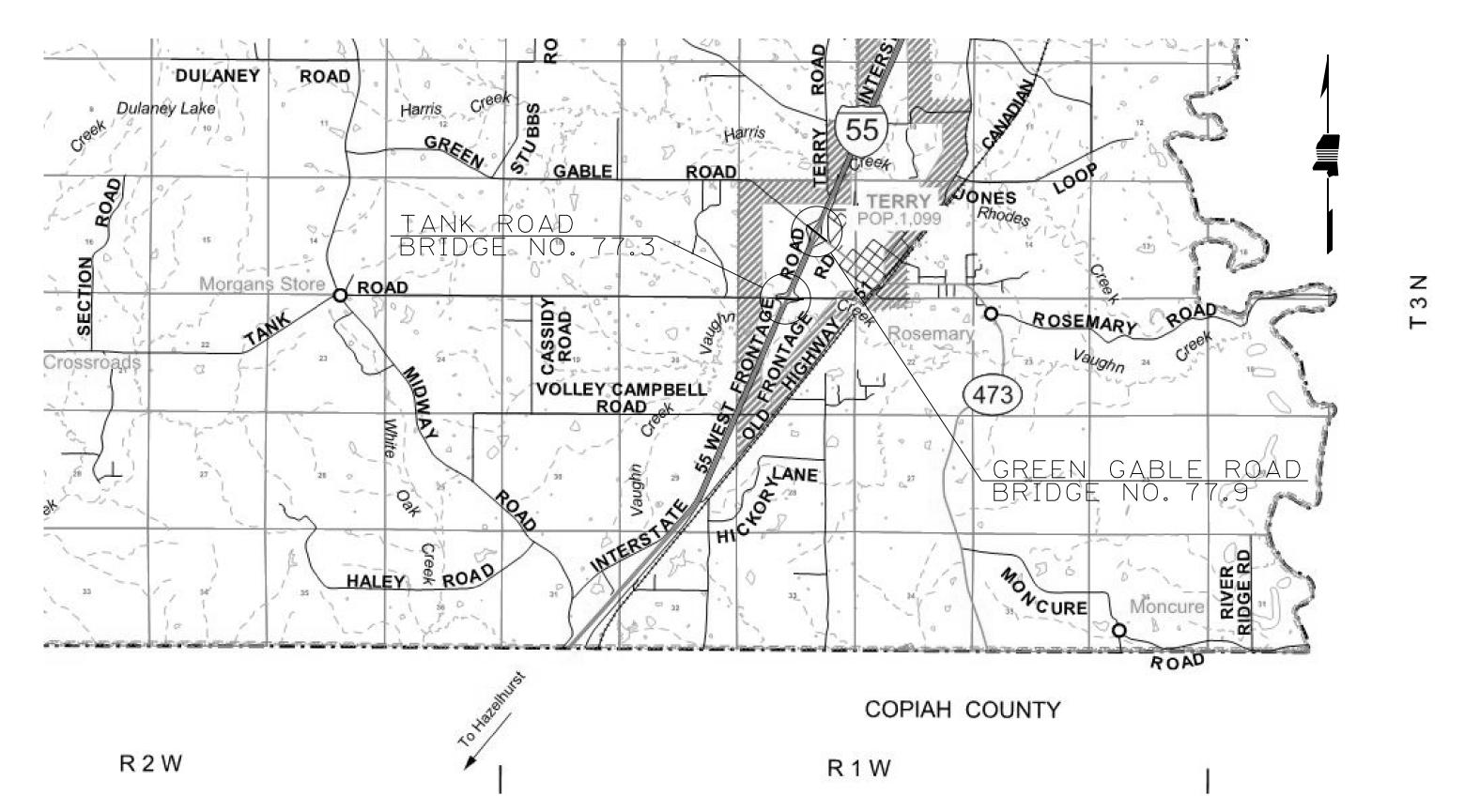
## STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## PLAN AND PROFILE OF PROPOSED STATE HIGHWAY STATE PROJECT NO. BR-9999-05(032)

TANK ROAD AND GREEN GABLE ROAD (BRIDGE NOS. 77.3 AND 77.9)
HINDS COUNTY

 FMS. CONST. NO. 107597/301000



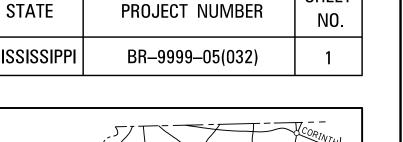
**EQUATIONS** 

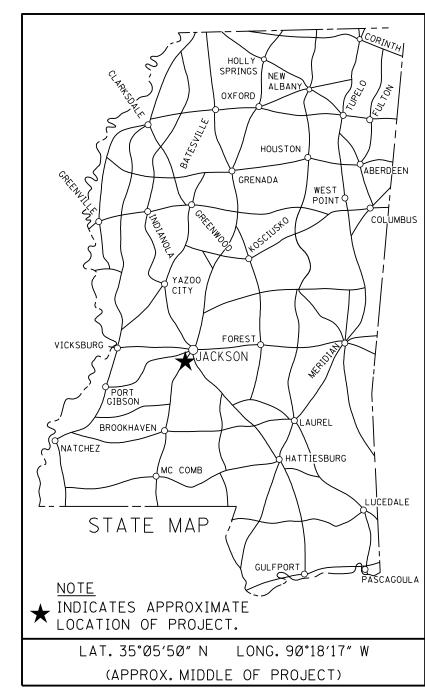
**EXCEPTIONS** 

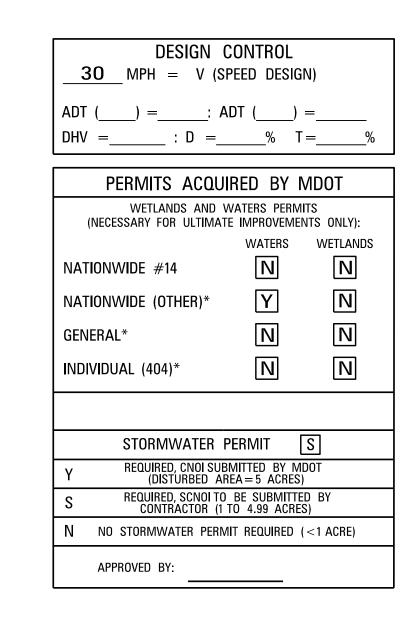
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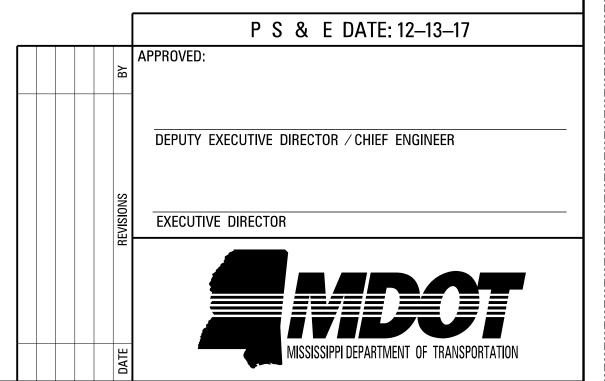
LENGTH OF ROADWAY
LENGTH OF BRIDGES
LENGTH OF PROJECT (NET)
LENGTH OF EXCEPTIONS
LENGTH OF PROJECT (GROSS)











4-4-0 DEV			7 W 3 CON: 1817317347		DDO ICOT NO
1st O.REV.				STATE	PROJECT NO
				MISS.	BR-9999-05(032)
	WKG. NO.	SH. NO.		WKG. NO.	SH. NO.
DESCRIPTION OF SHEET	NO.	NO.	DESCRIPTION OF SHEET	NO.	NO.
ROADWAY (42)			ROADWAY STANDARD DRAWINGS - ENGLISH VERSION (58)		
TITLE SHEET (1)	1	1	PAVEMENT MARKINGS (4)		
DETAILED INDEX (3)					
DETAILED INDEX	DI-1	2	PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED ROADWAYS PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS (PARALLEL AND TAPER)	PM-1 PM-3	6Ø51 6Ø53
DETAILED INDEX	DI-2	3	PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS (PARALLEL AND TAPER)	PM-4	6054
GENERAL NOTES	GN-1	4	2-WAY RAISED PAVEMENT MARKERS AT INTERSECTING ROADS (2-LANE)	PM-11	6061
TYPICAL SECTIONS (3)			EROSION CONTROL (27)		
TYPICAL SECTIONS-TANK ROAD AND GREEN GABLE ROAD	TS-1	5	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS	ECD-1	61Ø1
TYPICAL SECTIONS-RAMPS	TS-2	6	DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	61Ø2
TYPICAL SECTIONS-DETAILS	TS-3	7	DETAILS OF SILT FENCE INSTALLATION	ECD-3	6103
QUANTITY SHEETS (6)			DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION CONTROL MEASURES (SILT FENCE AND HAY BALE DITCH CHECKS)	ECD-4 ECD-5	6104 6105
QUANTITI SHEETS (0)			DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	6106
SUMMARY OF QUANTITIES	SQ-1	8	DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	6107
SUMMARY OF QUANTITIES	SQ-2	9	ROCK DITCH CHECK	ECD-8	61Ø8
ESTIMATED QUANTITIES-REMOVAL ITEMS & TRAFFIC CONTROL ITEMS	EQ-1	1Ø	ROCK FILTER DAM	ECD-9	61Ø9
ESTIMATED QUANTITIES-PAVEMENT MARKINGS, DRAINAGE STRUCTURES, TRAFFIC CONTROL DIRECTIONAL SIGNS	EQ-2	11	ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM	ECD-10	6110
ESTIMATED QUANTITIES-EARTHWORK, CURB & GUTTER & DRIVEWAYS	EQ-3	12	TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION	ECD-11	6111
ESTIMATED QUANTITIES-TRAFFIC CONTROL SIGNS	EQ-4	13	INLET PROTECTION DETAILS FOR SEDIMENT CONTROL STONE ON GRADES AND SAGS	ECD-12	6112
PLAN AND PROFILE SHEETS (6)			INLET PROTECTION DETAILS OF WATTLES INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-13 ECD-14	6113
FLAN AND FROFILE SHEETS (6)			INLET PROTECTION DETAILS OF MANDRACTORED INLET PROTECTION DEVICE	ECD-14	6114 6115
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GREEN GABLE ROAD	4	15	TEMPORARY CULVERT STREAM CROSSING	ECD-17	6117
SE RAMP	4A	16	TEMPORARY STREAM DIVERSION	ECD-18	6118
NE RAMP	4B	17	TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)	ECD-19	6119
NW RAMP	4C	18	FLOATING TURBIDITY CURTAIN	ECD-20	6120
SW RAMP	4D	19	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	6121
			SEDIMENT RETENTION BARRIER	ECD-22	6122
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SEQUENCE OF CONSTRUCTION - PHASE 1	SC-1	22	EROSION CONTROL BLANKET	ECB-1	613Ø 6131
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DETAIL OF CONSTRUCTION SIGNING	DCS-1	25			
DETAIL OF CONSTRUCTION SIGNING	DCS-2	26	GUARDRAIL: "W" BEAM (WOOD POSTS)	GR-1	62Ø1
TRAFFIC CONTROL PLAN - PHASE 1	TC-1	27	GUARDRAIL: "W" BEAM (STEEL POSTS)	GR-1B	6203
TRAFFIC CONTROL PLAN - PHASE 2A	TC-2	28	GUARDRAIL: MISCELLANEOUS HARDWARE	GR-HW	6221
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TRAFFIC CONTROL PLAN - PHASE 2B	TC-4	30	SIGNING (8)		
TRAFFIC CONTROL PLAN - PHASE 2B	TC-5	31	CTANDADD DOADCIDE CION ACCENDIA AND INCTALLATION	<b>6</b> 11 <b>.</b>	
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TRAFFIC CONTROL PLAN - SPECIAL DESIGN SIGNS GREEN GABLE ROAD & TANK ROAD	TC-7 VS-1	)) 7/	STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4A SN-4B	6307
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EROSION CONTROL PLAN - NE RAMP	ECP-4B	38	TYPICAL GUARDRAIL DELINEATION	SN-8C	6317
EROSION CONTROL PLAN - NW RAMP	ECP-4C	39	SIGNING DETAILS FOR BRIDGE APPROACHES	SN-9	6318
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GUARDRAIL: INSTALLATION AT DRIDGE AFFROACHES FOR Z-LANE, Z-WAT HIGHWAT	BGRC-1				

	GARVER, LLC				
PS &	E PLANS-DATE 12-13-	17			
FMS CON. # 107597/301000					
REVISIONS					
DATE	SHEET NO.	BY			
12/21/17	4,42	TWB			
01/11/18	9,11	TWB			

MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAILED INDEX

COUNTY: HINDS

PROJ. NO.: BR-9999-05(032)

SHEET NUMBER

PROJECT NO.

BR-9999-05(032)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
ROADWAY STANDARD DRAWINGS - ENGLISH VERSION (CONT.)		
TRAFFIC CONTROL PLANS (8)		
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC) TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE)(EXTENDED PERIOD)	TCP-1 TCP-4	6351 6354
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)  (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)	TCP-5	6355
SHORT DURATION CLOSING OF DIVIDED HIGHWAYS HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-7 TCP-8	6357 6358
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS  LOCATION OF R16-3 SIGNS (SPEEDING FINES DOUBLED)	TCP-13 TCP-15	6363 6365
TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-16	6366
MISC. ROADWAY DETAILS (5)		
SUPERELEVATION CASE 1 ROTATION ABOUT CENTERLINE SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTERLINE DRIVEWAYS, CURB & GUTTER, & SIDEWALK MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS DETAILS OF PAVED FLUMES	SE-2A SE-3A SD-1 MDS-1 PF-1	64Ø8 6413 6419 6425 6426
DRAINAGE (3)		
PIPE CULVERT INSTALLATION CONCRETE PIPE COLLAR FLARED END SECTION FOR CONCRETE PIPE	PI-1 PC-1 FE-1	65Ø1 65Ø3 653Ø
CROSS SECTIONS (22)		
TANK ROAD GREEN GABLE ROAD SE RAMP NE RAMP NW RAMP SW RAMP		9001-9007 9008-9015 9016-9017 9018-9019 9020-9021 9022

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

WAYNE

WAYNE

ENGINEER

WAYNE

LOF MISSISSIPPI

COUNTY: HINDS

PROJ. NO.: BR-9999-05(032)

DI-2

屵 FILENAME: <u>DI-1.DGN</u>

SHEET NUMBER

MINA

TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS) (122)

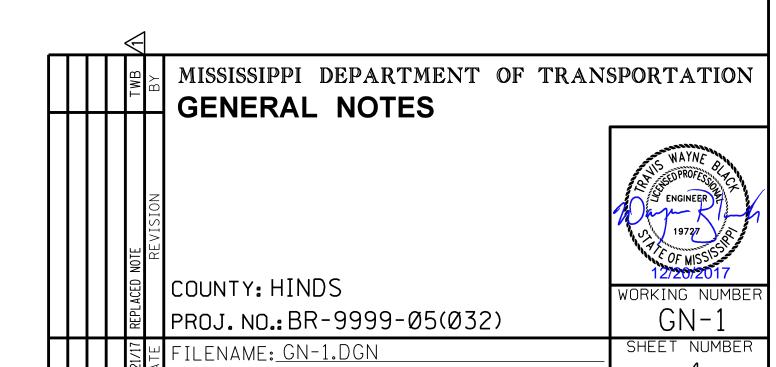
ָר מ ני GENERAL NOTES

## GENERAL NOTES (CONT.)

PROJECT NO. STATE BR-9999-05(032)

- (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) THE TOP THREE FEET AND VARIABLE OF THE DESIGN SOILS (BOTH NATURAL AND EMBANKMENT) SHALL BE CONSTRUCTED OF SOIL CLASSIFIED AS B9-6 OR BETTER. PER AASHTO DESIGNATION: M 145-91
- (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 ITEMS BID.
- (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, THE COST OF WHICH WILL BE ABSORBED IN OTHER ITEMS BID.
- (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. (SEE WK. NO. ECD-3)
- (12) FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.
- (13) 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.
- (14) VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (15) ALL DIMENSIONS AND SPACINGS FOR BRIDGE RAIL CONNECTORS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
- (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 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.
- (19) REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM. AND SHALL BE ABSORBED IN OTHER ITEMS BID

- (20) 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.
- (21) 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
- (22) PRIOR TO EARTHWORK OPERATIONS. THE EXISTING TOP 4" 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. VS-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.
- (23) THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
- (24) TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
- (25) ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- (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
- (29) CURB AND GUTTER VERTICAL DIMENSIONS SHOWN IN THE DETAIL DRAWINGS ARE FOR A CURB IN THE "CATCH" CONFIGURATION AND SHALL BE CONSIDERED TO BE MINIMUM DIMENSIONS. THE DIMENSIONS MAY BE MODIFIED AS NECESSARY FOR "SPILL" CURB AND GUTTER, BUT SHALL NOT BE LESS THAN THE MINIMUM SHOWN.
- (30) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND RELOCATING MAIL BOXES AS NECESSARY TO MAINTAIN CONTINUOUS MAIL SERVICE THROUGHOUT THE LIFE OF THE PROJECT, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (31) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES.
- ANCHOR BOLTS ATTACHED TO THE BRIDGE SHALL REMAIN. THE NEW GUARDRAIL WILL BE ATTACHED TO THE BRIDGE UTILIZING THE EXISTING ANCHOR BOLTS AT THE COMPLETION OF THE BRIDGE JACKING. SPECIAL DESIGN BRIDGE RAIL CONNECTOR SHALL BE INSTALLED TO CONNECT THE NEW POSTS TO THE BRIDGE RAIL. (SEE BGRC-1)
  - (33) THE COST OF REMOVAL OF ALL HEADWALLS AND WINGWALLS (PIPES, BOX CULVERTS, BOX BRIDGES) SHALL BE ABSORBED IN OTHER ITEMS BID.



DESIGN TEAM <u>GARVER</u>CHECKED<u>TWB</u>DATE\_DEC\_201