GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
ROADWAY	1
PERMANENT SIGNS	1001
TRAFFIC SIGNALS	2001
ITS COMPONENTS	
LIGHTING	4001
(RESERVED)	5001
ROADWAY STANDARD DWGS	6001
BOX CULVERT STD. DRAWINGS (LRI	FD) 7001
BOX CULVERT STD. DRAWINGS (STI	D. SPEC.)7501
BRIDGE	8001
CROSS SECTIONS	9001

BRIDGE STRUCTURES REQ'D.

NONE

BOX BRIDGES REQ'D.

NONE

CONVENTIONAL SYMBOLS

COMARMATIONAL SIMPORS
COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE § § §
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

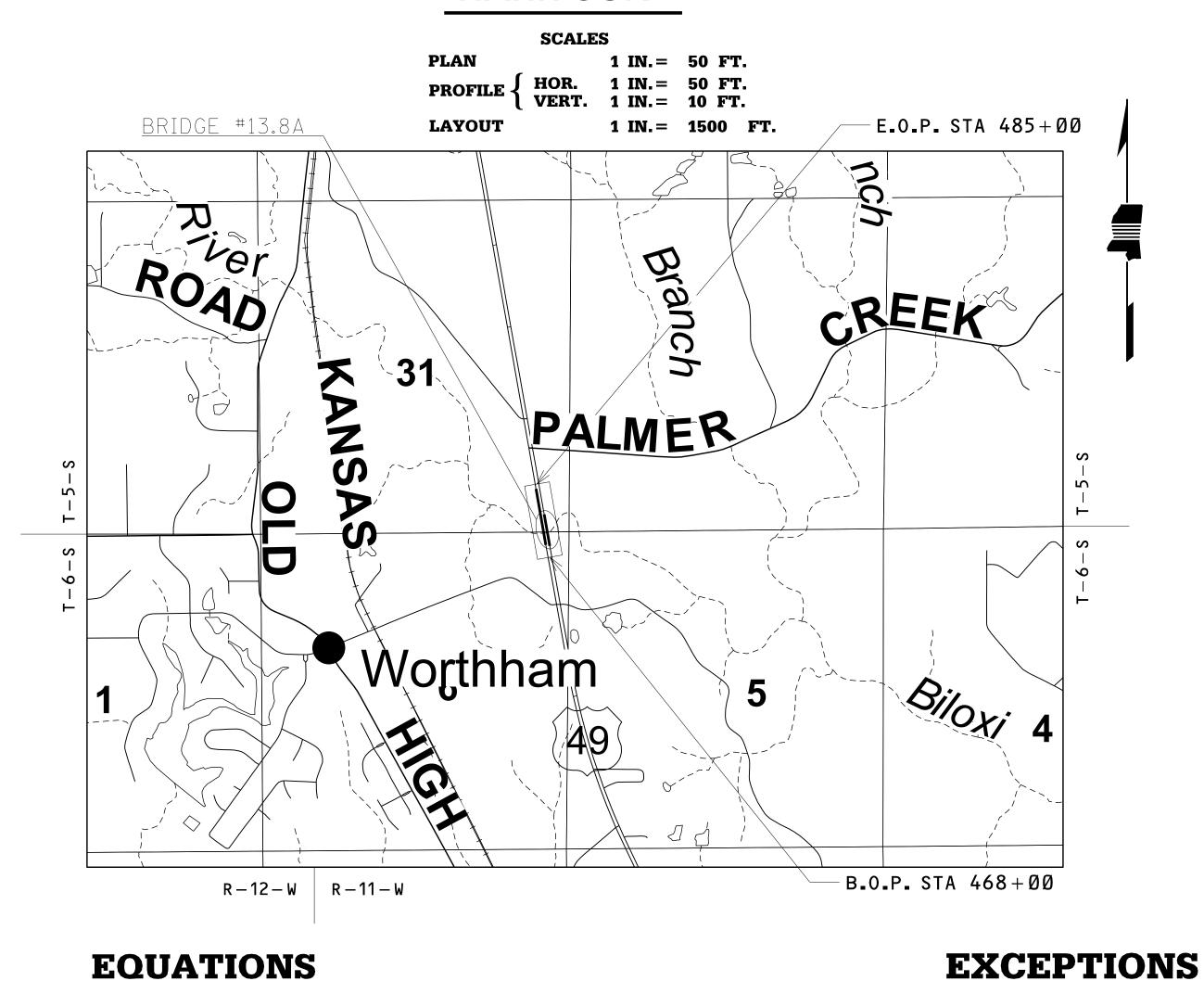
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. NHPP-0008-01(143)

US 49 over the Biloxi River(13.8A) **HARRISON**

FMS CON. NO. 107863/301000



EQUATIONS

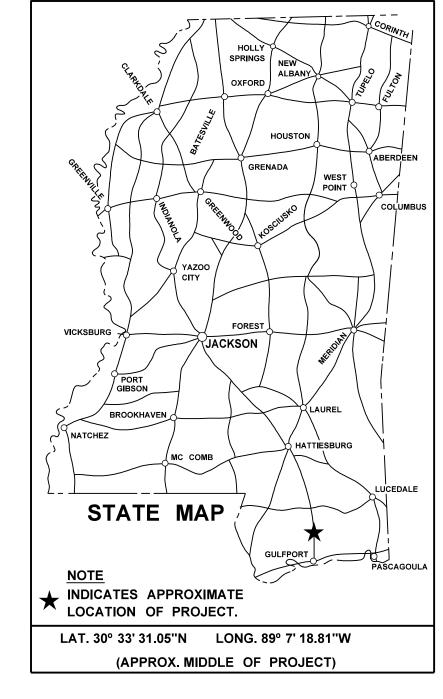
Sta 478+85.000 BK = Sta 478+89.400 AH

LENGTH DATA

OF ROADWAY	1895	FT.	0.36
OF BRIDGES	15Ø5	FT.	Ø.29
OF PROJECT (NET)			0.65
OF EXCEPTIONS	4.4	FT.	0.00
OF PROJECT (GROSS)			0.65

LENGTH LENGTH LENGTH LENGTH LENGTH

PROJECT NUMBER NHPP-0008-01(143)



		SIGN CO		_	
	MPH =	V (SPE	EED DES	SIGN)	
ADT (_) =	: AD	T (_) =	
DHV =_	:	D =	%	T =	%

PERMITS ACQUI	RED BY N	/IDOT
WETLANDS AND V	VATERS PERMI	TS
	WATERS	WETLAND
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N
STORMWATER P	PERMIT [S
Y REQUIRED, CNOI SUB (DISTURBED AR	MITTED BY ME EA=5 ACRES))OT

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

NO STORMWATER PERMIT REQUIRED (<1 ACRE)

		P S & E DATE: 12-9-2020
	ВҮ	APPROVED:
		DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER
	REVISIONS	EXECUTIVE DIRECTOR
	В	

STATE PROJECT NO. MISS. NHPP-0008-01(143)

TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (2)		
DETAILED INDEX AND GENERAL NOTES	DI-1	2
GENERAL NOTES	GN-1	3
TYPICAL SECTIONS (1)		_
TYPICAL SECTIONS US 49 OVER BIG BILOXI RIVER	TS-1	4
QUANTITY SHEETS (4)		
SUMMARY OF QUANTITIES	SQ-1 SQ-2	5
SUMMARY OF QUANTITIES ESTIMATED QUANTITIES US 49 OVER BIG BILOXI RIVER	SQ-2 EQ-1	6 7
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	TCP-Q	8
PLAN & PROFILE SHEETS (4)		
LEFT DITCH	WK-3	9
MEDIAN DITCH	WK-4	10
RIGHT DITCH EROSION CONTROL PLAN	WK-5 ECP-3	11 12
	201 3	12
SPECIAL DESIGN SHEETS (8)	DD-1	12
DITCH ALIGNMENT DETAILS DETAIL OF CONSTRUCTION SIGNS US 49 NB	DCS-1	13 14
DETAIL OF CONSTRUCTION SIGNS US 49 SB	DCS-2	15
RIGHT OF WAY MARKERS	ROW-1	16
EASEMENT COORDINATES	ESMT-1	17
VEGETATION SCHEDULE US 49 OVER BIG BILOXI RIVER SURVEY CONTROL	VS-1 SC-1	18 19
LANE CLOSURE DETAILS FOR STAGING OF EQUIPMENT ON BRIDGE (EXTENDED PERIOD)	LCD-1	20
STANDARD DRAWINGS - TRAFFIC SIGNALS (2) PULL BOX AND CONDUIT TRENCHING DETAILS	TSD-8	2001
PREPARE TO STOP WHEN FLSHING ASSEMBLY (VERTICAL)	TSD-19V	2002
STANDADD DDAWINGS DOADWAY SUFETS (27)		
STANDARD DRAWINGS - ROADWAY SHEETS (27) TYPICAL TEMORARY EROSION / SEDIMENT CONTROL APPLICATIONS	ECD-1	6101
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	6102
DETAILS OF SILT FENCE INSTALLATION	ECD-3	6103
DITCH CHECK STRUCTURES, TYPICAL APPLICATION AND DETAILS TEMPORARY ERSION, SEDIMENT, AND WATER POLLUTION CONTROL MEASURES	ECD-4 ECD-5	6104 6105
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-5	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 STABILIZED CONSTRUCTION ENTRANCE	ECD-10 ECD-16	6110 6116
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	6121
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	6123
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT	DT-1A	6124
SUPER SILT FENCE EROSION CONTROL BLANKET	SSF-1 ECB-1	6130 6131
CONCRETE MEDIAN BARRIER (PRECAST) (32")	CMB-3	6226
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND		00
OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE)	TCP-4	6354
(EXTENDED PERIOD) 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) (WORK	TCP-5	6355
DAY ONLY)		
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-8	6358
LOCATION OF R16-3 SIGNS (SPEEDING FINES DOUBLED) TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-15 TCP-16	6365 6366
RIGHT OF WAY MARKERS	RW-1	6401
RURAL DRIVEWAYS	RD-1	6403
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS	GT-1	6404
PIPE CULVERT INSTALLATION FLARED END SECTION FOR CONCRETE ARCH PIPE	PI-1 FE-1A	6501 6531
I LAILLU EINU SECTION FOR CONCRETE ARCH FIFE	Γ ⊏ -1 Α	0031

SPECIAL DESIGN BRIDGE SHEETS (SEE BRIDGE SHEETS BEGINNING ON 8001)

TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS)

AUTRY

AOTICI				
PS & E PLANS-DATE 12-9-2020				
FMS	FMS CON. # 107863/301000			
	REVISIONS			
DATE	SHEET NO.	BY		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION | DETAILED INDEX

PROJ. NO.: NHPP-0008-01(143)

COUNTY: HARRISON

SHEET NUMBER 빌 FILENAME: **Dl.dgn**

DI-1

- 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.
- 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.
- 5) 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.
- 6) SEE BRIDGE PLANS FOR DETAILED INDEX SHEET(S), ESTIMATED AND SUMMARY OF QUANTITY SHEETS, AND EROSION CONTROL SHEETS
- 7) THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SURFACE TREATED SHOULDER THAT MIGHT OCCUR DURING CON-STRUCTION. ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH SECTION 410 OF <u>THE MISSISSIPPI STANDARD SPECI-</u> FICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.
- 8) 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.
- 9) ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- 10) 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.
- 11) A 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- 12) 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.
- 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.

- 14) WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)
- 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 AT THE PRECONSTRUCTION CONFERENCE OR 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.
- 16) 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.
- 17) 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.
- 18) FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.
- 19) THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE.
- PRIOR TO EARTHWORK OPERATIONS, THE EXISTING TOP 4" TOP SOIL IS TO BE STRIPPED AND STOCKPILED. AFTER THE GRADING OPERATIONS ARE COMPLETED, SAID TOP SOIL 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 TOP SOIL AND ALL COSTS ASSOCIATED WITH STRIPPING, HAULING, STOCKPILING, AND PLACEMENT OF THE EXISTING TOPSOIL IS TO BE PAID FOR AS UNCLASSIFIED EXCAVATION. ANY ADDITIONAL TOP SOIL TO BE PAID FOR UNDER PAY ITEM 211-B001 TOP SOIL FOR SLOPE TREATMENT, CONTRACTOR FURNISHED.
- 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.
- 22) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES WITHOUT WRITTEN APPROVAL FROM THE PROJECT ENGINEER. SEE NOTICE TO BIDDERS ENTITLED "MATERIAL STORAGE UNDER BRIDGES" FOR MORE INFORMATION.
- 23) THE RETROREFLECTIVE SIGN SHEETING ON RIGID, TEMPORARY TRAFFIC CONTROL (ORANGE) SIGNS SHALL BE MINIMUM TYPE IX.
- THE CONTRACTOR MAY WORK FROM THE TOP OF THE BRIDGE PROVIDED THAT A 12' TRAVEL LANE REMAINS OPEN AT ALL TIMES. IF EQUIPMENT IS TO REMAIN ON THE BRIDGE OVERNIGHT, PRECAST CONCRETE MEDIAN BARRIERS WILL BE REQUIRED FOR TRAFFIC CONTROL. THE COST OF PRECAST CONCRETE MEDIAN BARRIER AND ANY ASSOCIATED COST FOR THE REMOVING AND RESETTING, SHALL BE ABSORBED IN MAINTENANCE OF TRAFFIC PAY ITEM.
- 25) THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND SUBMIT ANY QUESTIONS TO THE MDOT QUESTION AND ANSWER SITE PRIOR TO BIDDING.
- 26) 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.
- 27) NO TEMPORARY STREAM CROSSINGS WILL BE ALLOWED.

