

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	STP-0049-01(038)	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"/> 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. STP-0049-01(038)

SR 33 HOMOCHITTO RIVER BRIDGE BANK STABILIZATION
FRANKLIN COUNTY

FMS CON 106298-301000

SCALES

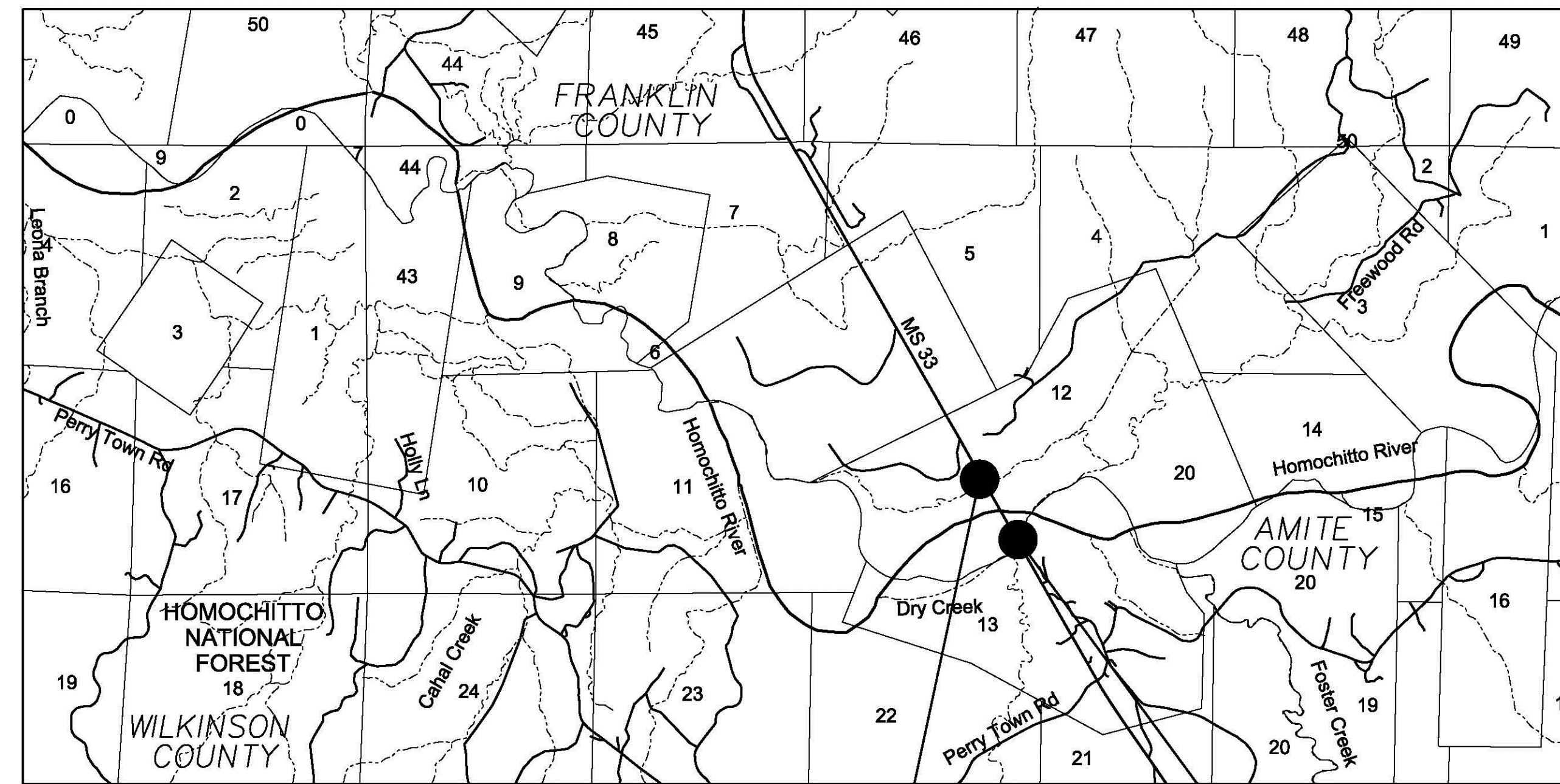
PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 200 FT.

BRIDGE STRUCTURES REQ'D.

NA

BOX BRIDGES REQ'D.

NA



END PROJECT
SR33 STA. 170+00

BEGIN PROJECT
SR33 STA. 144+08.30

EQUATIONS

NA

EXCEPTIONS

NA

LENGTH DATA

LENGTH OF ROADWAY	468	FT.	0.09	MI.
LENGTH OF BRIDGES	2,123	FT.	0.40	MI.
LENGTH OF PROJECT (NET)			0.49	MI.
LENGTH OF EXCEPTIONS	0.00	FT.	0.00	MI.
LENGTH OF PROJECT (GROSS)			0.49	MI.

GPS CONTROL NOTES

HORIZONTAL DATUM: NAD 83 (2007) MS WEST ZONE (US SURVEY FEET)

HORIZONTAL MONUMENT	NORTH	EAST
33-19-001	660433.14	2056722.52
33-19-002	662793.08	2055425.35
33-19-004	666980.77	2052996.29
33-19-005	671174.12	2050647.85
DS74	664978.59	2054134.18

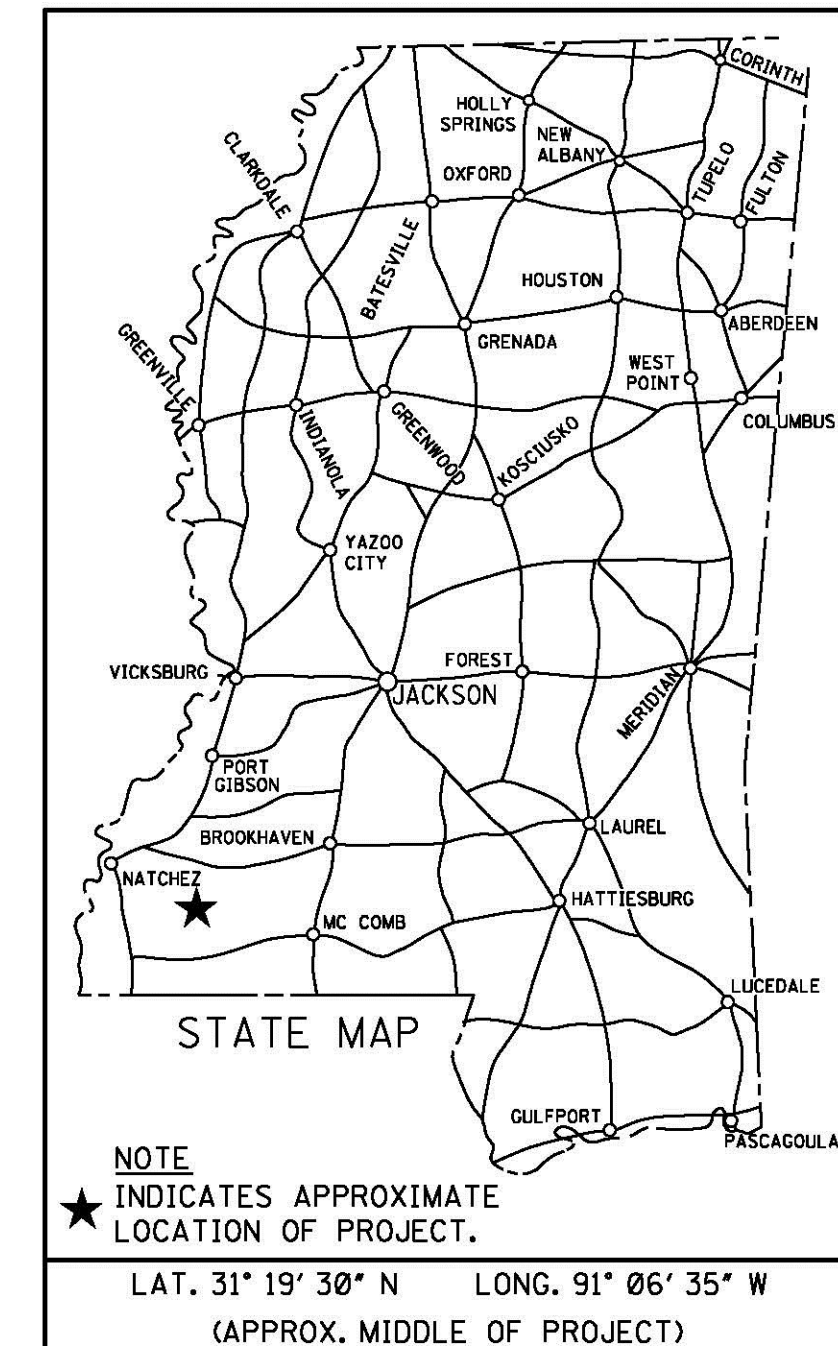
VERTICAL DATUM: NAVD 88 (US SURVEY FEET)

VERTICAL MONUMENT	ELEVATION
33-19-001	188.17
33-19-002	162.93
33-19-004	164.83
DS74	143.66

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES PROJECT AVERAGE

GROUND TO GRID (COMBINED) FACTOR	1.00001465
GRID TO GEODETIC AZIMUTH	0.99999629



DESIGN CONTROL

MPH = V (SPEED DESIGN)

ADT () = : ADT () =

DHV = : D = % T = %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

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

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT

Y REQUIRED, SCNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)

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

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____

P S & E DATE: 6-15-2016

APPROVED: _____

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR



6/15/2016 1:41:52 PM E:\E.DGN

STATE	PROJECT NO.
MISS.	STP-0049-01(038)

DESCRIPTION OF SHEET

REVISION DATE **WKG. NO.** **SH. NO.**

TITLE SHEET (1)	-	1
DETAILED INDEX & GENERAL NOTES (2)		
DETAILED INDEX	DI-1	2
GENERAL NOTES	GN-1	3
TYPICAL SECTION SHEETS (4)		
TYPICAL SECTION - LONGITUDINAL FILL STONE DIKE, STONE TIEBACK, TRANSVERSE STONE DIKE	TS-1	4
TYPICAL SECTION - RIPRAP REVETMENT	TS-2	5
TYPICAL SECTION - HAUL ROUTE	TS-3	6
TYPICAL SECTION - ROCK CHUTE	TS-4	7
QUANTITY SHEETS (5)		
SUMMARY OF QUANTITIES	SQS-1	8
ESTIMATED QUANTITIES - SUMMARY OF TRAFFIC CONTROL ITEMS, CLEARING AND GRUBBING, EARTHWORK	EQ-1	9
ESTIMATED QUANTITIES - PIPE CULVERT DRAINAGE STRUCTURES	EQ-2	10
ESTIMATED QUANTITIES - EROSION CONTROL ITEMS	EQ-3	11
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS	TCPO-1	12
PLAN & PROFILE SHEETS (8)		
PLAN VIEW - BANK STABILIZATION AT SR33 HOMOCHITTO RIVER BRIDGE	WK-3	13
PLAN /PROFILE - HOMOCHITTO RIVER LONGITUDINAL FILL STONE DIKE	WK-4	14
PLAN /PROFILE - HOMOCHITTO RIVER LONGITUDINAL FILL STONE DIKE	WK-5	15
PLAN /PROFILE - EAST HAUL ROUTE	WK-6	16
PLAN /PROFILE - EAST HAUL ROUTE	WK-7	17
PLAN /PROFILE - WEST HAUL ROUTE	WK-8	18
PLAN /PROFILE - WEST HAUL ROUTE	WK-9	19
PLAN /PROFILE - ZEIGLER CREEK	WK-10	20
SPECIAL DESIGN SHEETS (51)		
SOIL BORING LOCATIONS	BL-1	21
GRAPHICAL SOIL BORING LOGS	GL-1	22
GRAPHICAL SOIL BORING LOGS	GL-2	23
GRAPHICAL SOIL BORING LOGS	GL-3	24
SUBSURFACE SOIL PROFILE	SP-1	25
STAGE HYDROGRAPH	SH-1	26
EROSION CONTROL PLAN - HOMOCHITTO RIVER LONGITUDINAL FILL STONE DIKE	ECP-4	27
EROSION CONTROL PLAN - HOMOCHITTO RIVER LONGITUDINAL FILL STONE DIKE	ECP-5	28
EROSION CONTROL PLAN - EAST HAUL ROUTE	ECP-6	29
EROSION CONTROL PLAN - EAST HAUL ROUTE	ECP-7	30
EROSION CONTROL PLAN - WEST HAUL ROUTE	ECP-8	31
EROSION CONTROL PLAN - WEST HAUL ROUTE	ECP-9	32
EROSION CONTROL PLAN - ZEIGLER CREEK	ECP-10	33
TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS	ECD-1	34
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	35
DETAILS OF SILT FENCE INSTALLATION	ECD-3	36
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	37
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS	ECD-5	38
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	39
DETAIL OF EROSION CONTROL SILT DIKE DITCH CHECKS	ECD-7	40
ROCK DITCH CHECK	ECD-8	41
ROCK FILTER DAM	ECD-9	42
ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM	ECD-10	43
INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	ECD-11	44
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS	ECD-12	45
INLET PROTECTION DETAILS OF WATTLES	ECD-13	46
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-14	47
INLET PROTECTION DETAILS OF SAND BAG	ECD-15	48
STABILIZED CONSTRUCTION ENTRANCE	ECD-16	49
TEMPORARY CULVERT STREAM CROSSING	ECD-17	50
TEMPORARY STREAM DIVERSION	ECD-18	51

DESCRIPTION OF SHEET

REVISION DATE **WKG. NO.** **SH. NO.**

SPECIAL DESIGN SHEETS (CONTINUED)		
TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)	ECD-19	52
FLOATING TURBIDITY CURTAIN	ECD-20	53
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	54
SEDIMENT RETENTION BARRIER	ECD-22	55
VEGETATION SCHEDULE	VS-1	56
DETAILS OF TYPICAL DITCH TREATMENT	DT-1	57
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT	DT-1A	58
EROSION CONTROL BLANKET	ECB-1	59
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)	TEC-2	60
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)	TEC-3	61
EROSION CONTROL	EC-1	62
CONSTRUCTION SIGNING	CS-1	63
TRAFFIC CONTROL DRUM PLACEMENT AND SHOULDER CLOSURE DETAIL	TCP-SC	64
LOCATION OF R16-3 SIGNS	LRS-1	65
SURVEY CONTROL SHEET	GPS-CN	66
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SDTCP-10	67
RIGHT - OF - WAY MARKER	RW-1	68
RIGHT - OF - WAY COORDINATES	RWC-1	69
EASEMENT MARKER COORDINATES	RWC-2	70
FLEXIBLE PIPE STANDARD	HDPE-1	71
STANDARD DRAWINGS - ROADWAY SHEETS (6)		
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE- LANE OF TWO -WAY TRAFFIC)	TCP-1	6250
SHORT DURATION CLOSING OF TWO- LANE TWO -WAY HIGHWAYS	TCP-8	6257
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTI LANE ROADS AND TWO- LANE ROADS RURAL DRIVEWAYS	TCP-11	6260
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS	RD-1	6271
PIPE CULVERT INSTALLATION	GT-1	6272
	PI-1	6300
INFORMATIONAL BRIDGE SHEETS (8)		
PROJECT NO. STP - 0049 - 01(39)		8001 - 8007
PROJECT NO. ER - 049 - 1(31)		8008
CROSS SECTIONS (77)		
LONGITUDINAL STONE DIKE AND REVETMENT		9001 - 9022
TIEBACK #1 STA. 16 + 00		9023 - 9028
TIEBACK #2 STA. 20 + 00		9029 - 9031
TIEBACK #3 STA. 28 + 00		9032 - 9034
TIEBACK #4 STA. 33 + 00		9035 - 9038
TIEBACK #5 STA. 38 + 00		9039 - 9041
TIEBACK #6 STA. 43 + 00		9042 - 9044
TIEBACK #7 STA. 47 + 00		9045 - 9047
TIEBACK #8 STA. 50 + 00		9048 - 9051
ZEIGLER CREEK		9052
EAST HAUL ROUTE		9053 - 9062
WEST HAUL ROUTE		9063 - 9077
TOTAL SHEETS		162



MENDROP ENGINEERING RESOURCES, LLC		
PS & E PLANS - DATE 06/15/16		
FMS CONST. No. 106298 / 301000		
PLAN REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
BANK STABILIZATION AT SR 33 HOMOCHITTO RIVER BRIDGE	
COUNTY: FRANKLIN	WORKING NUMBER
PROJ. NUM.: STP-0049-01(038)	DI-1
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM	2
MER	
CHECKED	
MLM	
DATE 03/2016	

6/15/2016 1:41:56:42 DI.DGN

STATE	PROJECT NO.
MISS.	STP-0049-01(038)

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 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 VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO, POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACK FILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ⑦ 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.
- ⑧ 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.
- ⑨ 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.
- ⑩ WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)
- ⑪ LIST OF PUBLIC UTILITIES
 - A. FRANKLIN TELEPHONE COMPANY, INC.
RICKY SMITH (601)384-3355
 - B. SW MS EPA
KEVIN COTTON (601)437-1319
 - C. ENTERGY
CLAY CARLOC (601)925-6506
 - D. U.S. GEOLOGICAL SURVEY
MICHAEL RUNNER (601)933-2941 MSRUNNER@USGS.GOV
- ⑫ 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.
- ⑬ THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECT(S) IN IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- ⑭ THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE
- ⑮ 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.

- ⑯ 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.
- ⑰ THE CONTRACTOR IS RESPONSIBLE FOR FIELD -VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
- ⑱ ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- ⑲ 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.
- ⑳ 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.
- ㉑ CLEARING LIMITS SHOWN ARE THE MAXIMUM LIMITS UNLESS OTHERWISE APPROVED BY THE ENGINEER. CLEARING OF THE OUTER LIMITS IS NOT REQUIRED. THE AREA TO BE CLEARED SHALL BE THE MINIMUM NECESSARY FOR CONSTRUCTION.
- ㉒ THERE IS STREAM GAGE EQUIPMENT PRESENT ON THE SR 33 BRIDGE THAT IS OWNED, OPERATED, AND MAINTAINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS). IN ORDER TO MINIMIZE THE AMOUNT OF DOWNTIME DUE TO CONFLICTS WITH CONSTRUCTION OF THE STREAM BANK STABILIZATION PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE USGS THROUGH THE PROJECT ENGINEER, AND MAKE REASONABLE EFFORTS TO MINIMIZE DISRUPTION TO THE OPERATION OF THIS EQUIPMENT. THE USGS CONTACT IS: MICHAEL RUNNER, DATA SECTION CHIEF, USGS SOUTHEAST AREA, MSRUNNER@USGS.GOV, OR (601)933-2941.
- ㉓ A GEOTECHNICAL INVESTIGATION HAS BEEN PERFORMED FOR THIS PROJECT. A SUBSURFACE SOIL PROFILE, SOIL BORINGS, HAND AUGER LOGS, AND BORING LOCATIONS ARE INCLUDED IN THE PLANS. THE FULL REPORT IS ON FILE AND IS AVAILABLE FOR EXAMINATION. THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIALS AS SHOWN IN THE REPORT IS NECESSARILY TO BE FOUND OUTSIDE OF THE TEST HOLES.
- ㉔ ALL EASEMENT STATIONS AND OFFSETS ARE REFERENCED TO THE BASELINE OF THE LONGITUDINAL FILL STONE DIKE. ALL RIGHT-OF-WAY STATIONS AND OFFSETS ARE REFERENCED TO THE CENTERLINE OF SR 33.

4/4/2016 1:41:34:17 GN.DGN

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		GENERAL NOTES	
		SR 33 HOMOCHITTO RIVER	
		COUNTY: FRANKLIN	
		PROJ. NUM.: STP-0049-01(038)	
		WORKING NUMBER GN-1	
		SHEET NUMBER 3	
DATE	FILENAME: GN.DGN		
DESIGN TEAM	MER	CHECKED	MLM DATE 03/2016

