

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	BR-2905-00(001)	1

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 checked="" 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

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

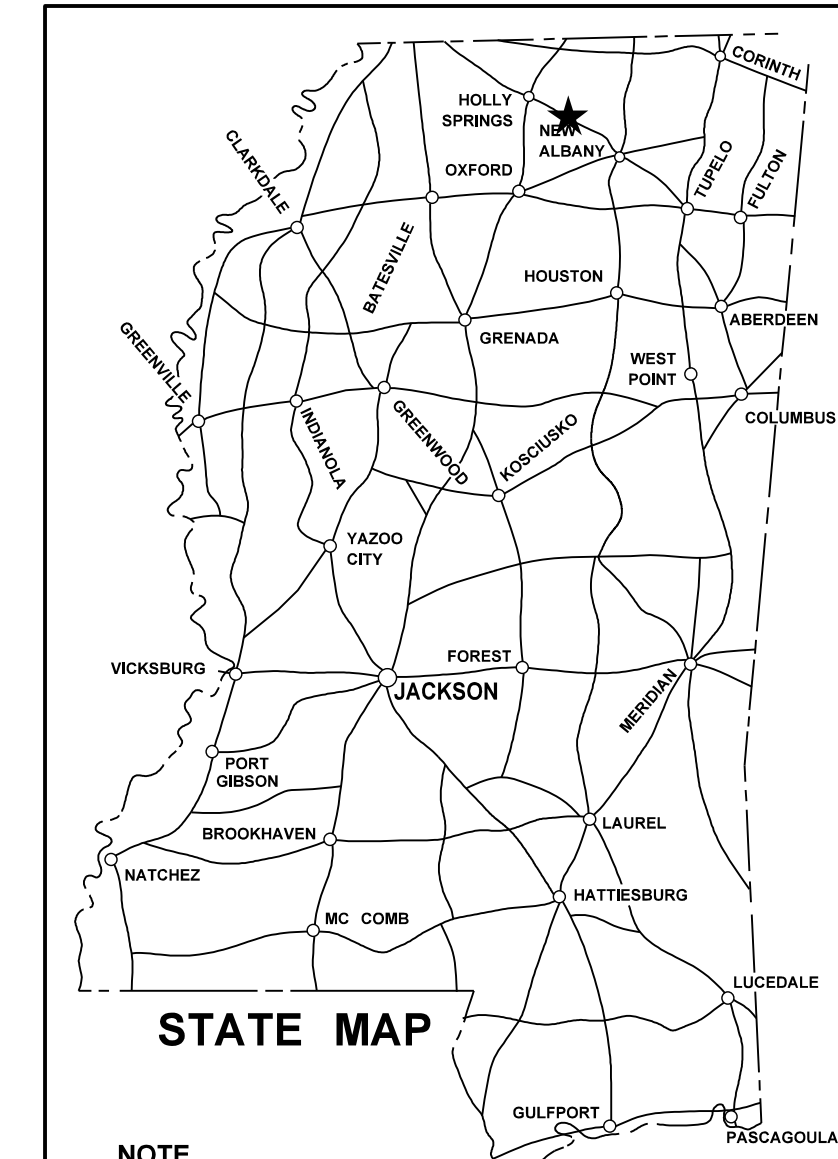
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-2905-00(001)

BRIDGE REPLACEMENT
SR 178 BETWEEN POTTS
CAMP AND MYRTLE
BENTON COUNTY

FMS CON. NO. 103328 / 301000

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 5280 FT.



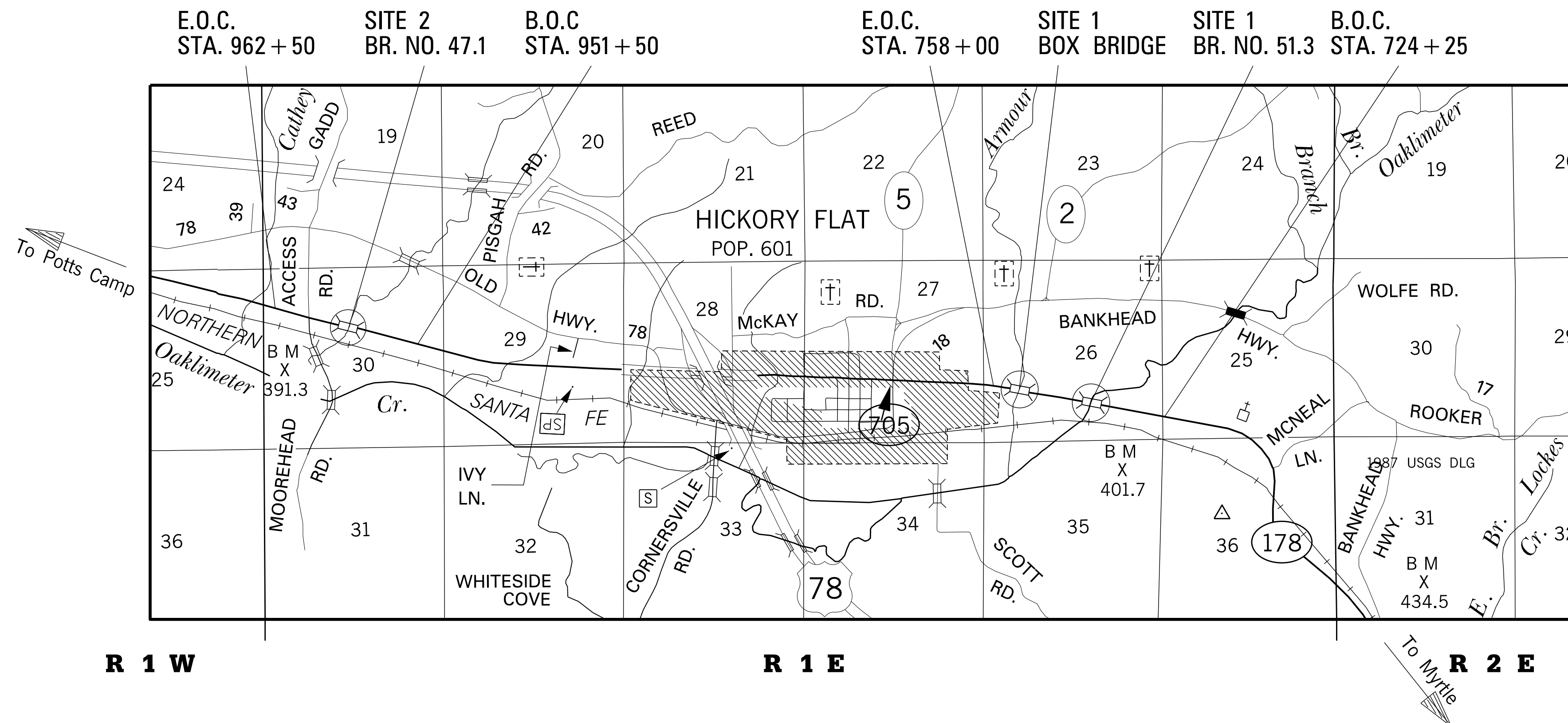
BRIDGE STRUCTURES REQ'D.

A SITE 1 : STA. 732+10.0 - 1 @ 80', 1 @ 100', 1 @ 80'
LENGTH ALONG CL 260' (BRIDGE REPLACEMENT)

B SITE 2 : STA. 956+19.9 - 1 @ 135'
LENGTH ALONG CL 135' (BRIDGE REPLACEMENT)

BOX BRIDGES REQ'D.

SITE 1 : STA. 754+89 - DBL 14' X 8'
TOTAL LENGTH ALONG CL 31' (REPLACING BRIDGE)



DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2019) = 1500 ; ADT (2039) = 1800
DHV = 220 ; D = 60 % T = 8 %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/> N	<input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> Y
GENERAL*	<input type="checkbox"/> N	<input type="checkbox"/> N
INDIVIDUAL (404)*	<input type="checkbox"/> N	<input type="checkbox"/> N
STORMWATER PERMIT <input checked="" type="checkbox"/> Y		
Y	REQUIRED, CNOI 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: _____		

CONVENTIONAL SYMBOLS

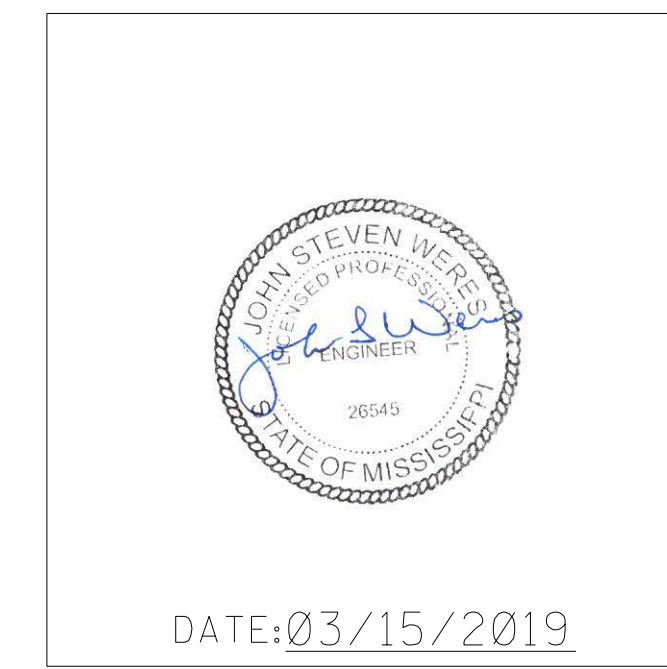
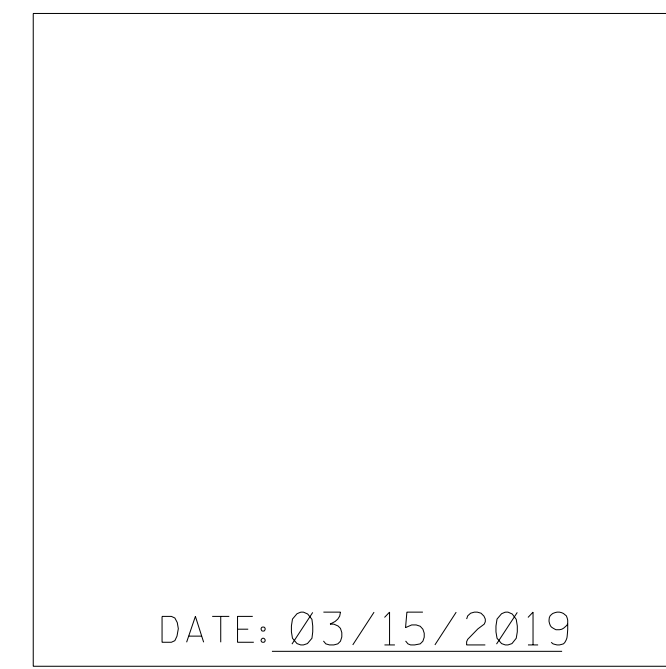
COUNTY LINE	-----
TOWN CORPORATION LINE	-----
SECTION LINE	-----
EXISTING ROAD OR TRAVELED WAY	-----
PROPOSED ROAD OR TRAVELED WAY	-----
RAILROAD	-----
SURVEY LINE	-----
BRIDGES	-----

EQUATIONS

H178_S2_ROW: Sta 971+51.728 BK = Sta 971+50.000 AH

EXCEPTIONS

NONE



P S & E DATE: 03/15/2019

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



3/14/2019 6:01 PM TITLE.DGN

STATE	PROJECT NO.
MISS.	BR-2905-00(001)

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

ROADWAY

TITLE SHEET

DETAILED INDEX & GENERAL NOTES (4)

DETAILED INDEX
DETAILED INDEX
GENERAL NOTES
GENERAL NOTES

DI-1 2
DI-2 3
GN-1 4
GN-2 5

TYPICAL SECTION SHEETS (2)

TYPICAL SECTION - SR 178 - NEW CONSTRUCTION & OVERLAY
TYPICAL SECTION - BRIDGE SECTIONS

TS-1 6
TS-2 7

QUANTITY SHEETS (14)

SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
ESTIMATED QUANTITIES - REMOVAL
ESTIMATED QUANTITIES - EARTHWORKS
ESTIMATED QUANTITIES - EROSION CONTROL
ESTIMATED QUANTITIES - BOX CULVERT
ESTIMATED QUANTITIES - GUARDRAIL, DELINEATORS, AND BRIDGE END PAVEMENT
ESTIMATED QUANTITIES - DRIVEWAYS & SIDE DRAINS
ESTIMATED QUANTITIES - PAVEMENT MARKINGS
ESTIMATED QUANTITIES - STANDARD ROADSIDE ASSEMBLIES
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS

SQ-1 8
SQ-2 9
SQ-3 10
EQ-1 11
EQ-2 12
EQ-3 13
EQ-4 14
EQ-5 15
EQ-6 16
EQ-7 17
EQ-8 18
EQ-9 19
EQ-10 20
EQ-11 21

PLAN AND PROFILE SHEETS (4)

SR 178 SITE 1 - STA. 724+25 TO STA. 752+00
SR 178 SITE 1 - STA. 752+00 TO STA. 758+00
SR 178 SITE 2 - STA. 951+50 TO STA. 962+50
ROW LAYOUT - SITE 2

3 22
4 23
5 24
5A 25

EROSION CONTROL SHEETS (5)

EROSION CONTROL PLAN - SR 178 SITE 1 - STA. 724+25 TO STA. 752+00
RIPARIAN BUFFER - SR 178 - SITE 1 - BRIDGE A
EROSION CONTROL PLAN - SR 178 SITE 1 - STA. 752+00 TO STA. 758+00
EROSION CONTROL PLAN - SR 178 SITE 2 - STA. 951+50 TO STA. 962+50
RIPARIAN BUFFER - SR 178 - SITE 2 - BRIDGE B

ECP-3 26
ECP-RB-3 27
ECP-4 28
ECP-5 29
ECP-RB-5 30

CONSTRUCTION SIGNING (1)

CONSTRUCTION SIGNING - SR 178

CS-1 31

TRAFFIC CONTROL PLAN (8)

TRAFFIC CONTROL PLAN - CONSTRUCTION PHASING NOTES
TRAFFIC CONTROL PLAN - GENERAL NOTES
TRAFFIC CONTROL PLAN - DETOUR PLAN PHASES 1 & 2
TRAFFIC CONTROL PLAN - DETOUR PLAN PHASE 3
TRAFFIC CONTROL PLAN - PHASE 1 SITE 1 STA. 750+00 TO STA. 752+00
TRAFFIC CONTROL PLAN - PHASE 1 SITE 1 STA. 752+00 TO STA. 758+00
TRAFFIC CONTROL PLAN - PHASE 2 SITE 1 STA. 724+25 TO STA. 752+00
TRAFFIC CONTROL PLAN - PHASE 3 SITE 2 STA. 951+50 TO STA. 962+50

TCP-GN1 32
TCP-GN2 33
TCP-DET1 34
TCP-DET2 35
TCP-1 36
TCP-2 37
TCP-3 38
TCP-4 39

PAVEMENT MARKING DETAIL (4)

SITE 1 STA. 724+25 TO STA. 733+00
SITE 1 STA. 733+00 TO STA. 748+00
SITE 1 STA. 748+00 TO STA. 758+00
SITE 2 STA. 951+50 TO STA. 962+50

PMD-1 40
PMD-2 41
PMD-3 42
PMD-4 43

MISCELLANEOUS ROADWAY ITEMS (7)

CONTROL POINT SR 178 - SITE 1
CONTROL POINT SR 178 - SITE 2
ROW COORDINATE SHEET
EASEMENT COORDINATE SHEET
VEGETATION SCHEDULE
SPECIAL DESIGN - BRIDGE END PAVEMENT (WITH RAIL, OVERLAY, AND SLEEPER SLAB)
MISCELLANEOUS TYPICAL SECTION DETAILS

CPL-1 44
CPL-2 45
ROW-1 46
ROW-2 47
VS-1 48
SD-BEPR-SS 49
MTSD 50

PERMANENT SIGNING SHEETS (2)

SITE 1 STA. 724+25 TO STA. 758+00
SITE 2 STA. 951+50 TO STA. 962+50

PSP-1 1001
PSP-2 1002


ROADWAY DESIGN STANDARD DRAWINGS (55)

BRIDGE END PAVEMENT RAIL (33.5" RAIL HEIGHT)
PAVEMENT MARKING DETAILS FOR 2-LANE & 4-LANE DIVIDED ROADWAY
TYPICAL TEMPORARY EROSION CONTROL/SEDIMENT CONTROL APPLICATIONS
DETAILS OF SEDIMENT BARRIER APPLICATIONS
DETAILS OF SILT FENCE INSTALLATION
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION CONTROL MEASURES (SILT FENCE AND HAY BALE DITCH CHECKS)
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK
ROCK DITCH CHECK
ROCK FILTER DAM
ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM
TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION
INLET PROTECTION DETAILS FOR SEDIMENT CONTROL
STONE ON GRADES AND SAGS
INLET PROTECTION DETAILS OF WATTLES
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE
INLET PROTECTION DETAILS OF SANDBAGS
STABILIZED CONSTRUCTION ENTRANCE
TEMPORARY STREAM DIVERSION
TEMPORARY STREAM DIVERSION (BOX EXTENSION)
FLOATING TURBIDITY CURTAIN
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
SEDIMENT RETENTION BARRIER
DETAILS OF TYPICAL DITCH TREATMENTS
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT

BER-1 6009
PM-1 6051
ECD-1 6101
ECD-2 6102
ECD-3 6103
ECD-4 6104
ECD-5 6105
ECD-6 6106
ECD-7 6107
ECD-8 6108
ECD-9 6109
ECD-10 6110
ECD-11 6111
ECD-12 6112
ECD-13 6113
ECD-14 6114
ECD-15 6115
ECD-16 6116
ECD-18 6118
ECD-19 6119
ECD-20 6120
ECD-21 6121
ECD-22 6122
DT-1 6123
DT-1A 6124

GRESHAM SMITH		
PS & E PLANS-DATE 03/15/19		
FMS CON. # 103328/301000		
REVISIONS		
DATE	SHEET NO.	BY

REVISION	DATE	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAILED INDEX PROJ. NO.: BR-2905-00(001) COUNTY: BENTON FILENAME: DI.dgn DESIGN TEAM: GRESHAM SMITH CHECKED: _____ DATE: _____



WORKING NUMBER
DI-1
SHEET NUMBER
2

3/15/2019 6:01 PM DI.DGN

STATE	PROJECT NO.
MISS.	BR-2905-00(001)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

ROADWAY DESIGN STANDARD DRAWINGS (CONT'D)

TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)	BAS-A	6125
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASIN) (135 CU. YDS. CAPACITY PER ACRE OF DRAINAGE)	BAS-D	6129
SUPER SILT FENCE	SSF-1	6130
EROSION CONTROL BLANKET	ECB-1	6131
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 I (WOOD POSTS) (NEW CONSTRUCTION)	GR-2F	6210
GUARDRAIL: BRIDGE END SECTION-TYPE I (STEEL POSTS) (NEW CONSTRUCTION)	GR-2G	6211
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE	GR-4A	6215
APPROACHES FOR 2-LANE, 2-WAY HIGHWAY		
GUARDRAIL: RUB RAIL HARDWARE	GR-RR	6218
GUARDRAIL: MISCELLANEOUS HARDWARE	GR-HW	6221
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-6	6310
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
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS	TCP-6	6356
HIGHWAY SIGN & BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-8	6358
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS & TWO-LANE ROADS	TCP-9	6359
RIGHT-OF-WAY MARKER	RW-1	6401
RURAL DRIVEWAYS	RD-1	6403
DETAILS OF PAVED FLUMES	PF-1	6426
PIPE CULVERT INSTALLATION	PI-1	6501
PRECAST CONCRETE BOX CULVERT	PBC-1	6538
PRECAST CONCRETE BOX CULVERT END SECTION	PBC-2	6539

STANDARD DRAWINGS - BRIDGE (BOX CULVERT) SHEETS (8)

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 - DOUBLE CELL - HEIGHT 8 FT. - SPANS 16 - 32 FT.	IBD-8	7118
BARREL DETAILS - DOUBLE CELL - HEIGHT 8 FT. - SPANS 16 - 32 FT.	IBD-8	7119
BARREL DETAILS - DOUBLE CELL - HEIGHT 8 FT. - SPANS 16 - 32 FT.	IBD-8	7120
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - 0° SKEW DETAILS - HEIGHTS 6 - 12 FT. - SPANS 12 - 40 FT.	IWD-3W	7136
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - 0° SKEW DETAILS - HEIGHTS 8 FT. - SPANS 16 - 32 FT.	IWD-8-3W	7139
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - 0° SKEW DETAILS - HEIGHTS 8 FT. - SPANS 16 - 32 FT.	IWD-8-3W	7140


BRIDGE SHEETS

*** NOTE: SEE SHEET 8001 FOR BRIDGE INDEX ***

CROSS-SECTIONS (19)

SR 178 - SITE 1	9001-9015
SR 178 - SITE 2	9016-9019

TOTAL SHEETS = (134)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAILED INDEX		
PROJ. NO.: BR-2905-00(001) COUNTY: BENTON		
REVISION	BY	WORKING NUMBER DI-2
DATE	FILENAME: DI.dgn	SHEET NUMBER 3
DESIGN TEAM: GRESHAM SMITH		CHECKED: _____ DATE: _____

3/14/2019 6:01 PM DI.DGN


STATE	PROJECT NO.
MISS.	BR-2905-00(001)

GENERAL NOTES (CONTINUED)

- (34) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES.
- (35) INSTALLATION DATES SHALL BE CLEARLY WRITTEN IN BOLD BLACK MARKINGS ON THE BACK BOTTOM HALF OF ALL SIGNS WITH A PERMANENT MARKING STICK THAT IS WATERPROOF, FADE RESISTANT AND MARKS ON WET OR DRY SURFACES.
- (36) ALL POST, PIPE, AND I-BEAM LENGTHS IN THESE PLANS ARE ESTIMATES. POST LENGTHS FOR ALL SIGNS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
- (37) ALL EXISTING SIGNS WHICH ARE TO BE REMOVED AS A PART OF THIS PROJECT THAT ARE NOT IN CONFLICT WITH CONSTRUCTION SHALL REMAIN IN PLACE UNTIL NEW SIGNS ARE INSTALLED UNLESS NOTED OR DIRECTED OTHERWISE BY THE PROJECT ENGINEER. ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (38) ALL EXISTING SIGNS AND SUPPORTS REMOVED UNDER THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND ARE NOT A SEPARATE PAY ITEM WITH THE EXCEPTION OF THE GUIDE SIGN 0.0625" OVERLAY PANELS WHICH SHALL BECOME THE PROPERTY OF MDOT. CONTRACTOR SHALL ARRANGE WITH THE PROJECT ENGINEER A SUITABLE TIME FOR PICK-UP BY MDOT. MDOT RESERVES THE RIGHT TO REFUSE ANY MATERIAL THAT IS DAMAGED OR UNSUITABLE FOR REFURBISHMENT.

PLAN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2019 6:02 PM GN.DGN

		MISSISSIPPI DEPARTMENT OF TRANSPORTATION GENERAL NOTES		 WORKING NUMBER GN-2
		PROJ. NO.: BR-2905-00(001) COUNTY: BENTON		
REVISION	BY	FILENAME: GN.dgn		SHEET NUMBER
DATE		DESIGN TEAM: GRESHAM SMITH CHECKED: _____ DATE: _____		5