

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	BR-0447-00(021)	1

**GENERAL INDEX**

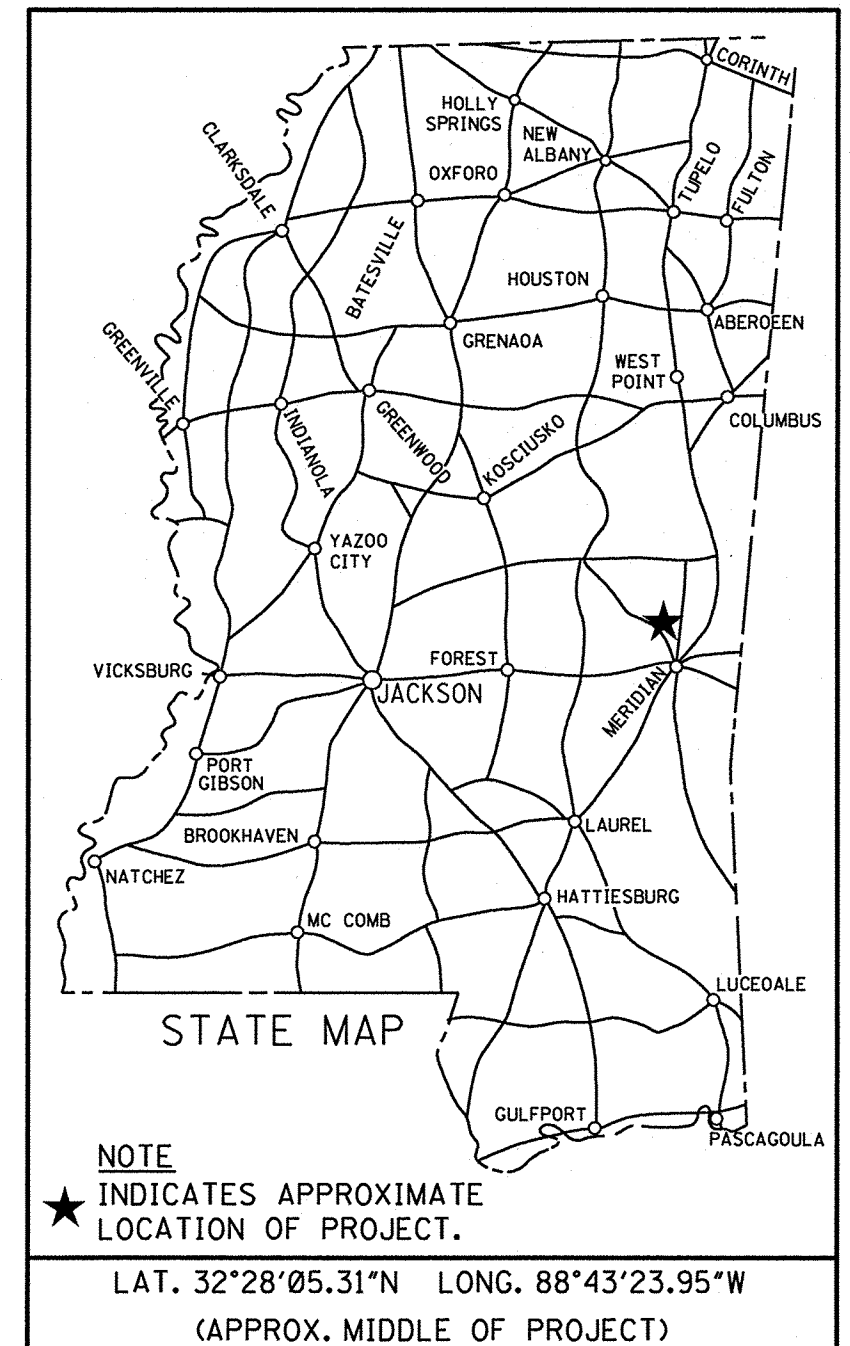
INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" type="checkbox"/> PERMANENT SIGNS .....	1001
<input type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input type="checkbox"/> ITS COMPONENTS .....	3001
<input type="checkbox"/> LIGHTING .....	4001
<input type="checkbox"/> (RESERVED) .....	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input type="checkbox"/> BRIDGE STANDARD DWGS .....	7001
<input 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-0447-00(021)**

SR 493 FROM BROADMOOR TO BAILEY  
BRIDGE REPLACEMENT (#8.2)  
LAUDERDALE COUNTY

FMS CONST. 100589/303000



NOTE  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 32°28'05.31"N LONG. 88°43'23.95"W  
(APPROX. MIDDLE OF PROJECT)

BRIDGE STRUCTURES REQ'D.  
N/A

BRIDGE SITE

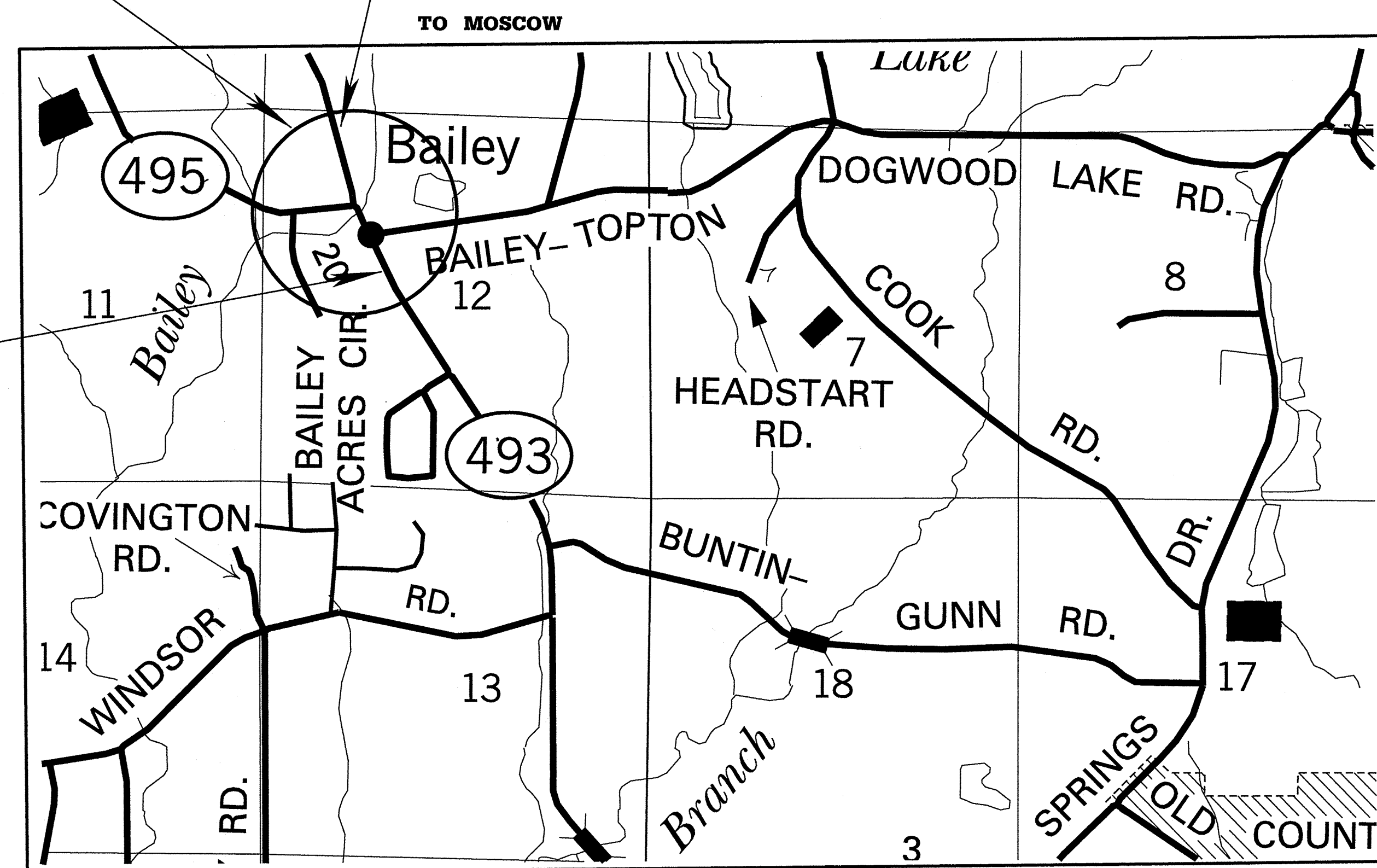
E.O.P.  
276 + 50

SCALES

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

BOX BRIDGES REQ'D.  
STA. 263 + 09 DBL. 20'X12' REQ'D.  
(0° SKEW; LENGTH ALONG C/L S.R. 493 = 42.584')  
(LENGTH ALONG CULVERT ONLY = 92.34')

B.O.P.  
246 + 00



EQUATIONS  
N/A

EXCEPTIONS  
N/A

**LENGTH DATA**

LENGTH OF ROADWAY	3050.000 FT.	0.578 MI.
LENGTH OF BRIDGES	42.584 FT.	0.008 MI.
LENGTH OF PROJECT (NET)	3007.416	0.570 MI.
LENGTH OF EXCEPTIONS	0.000 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)	3007.416	0.570 MI.

DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2020) = 4200 ; ADT (2040) = 5400  
DHV = 650 ; D = 60 % T = 5 %

PERMITS ACQUIRED BY MDT

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

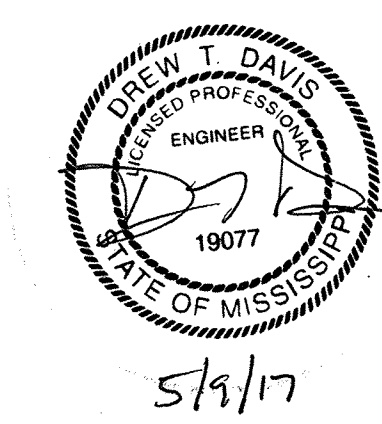
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/> N	<input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
GENERAL*	<input type="checkbox"/> N	<input type="checkbox"/> N
INDIVIDUAL (404)*	<input type="checkbox"/> N	<input type="checkbox"/>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

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

STORMWATER PERMIT  Y

Y REQUIRED SCNOI SUBMITTED BY MDT (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: 4 / 18 / 2017

APPROVED:

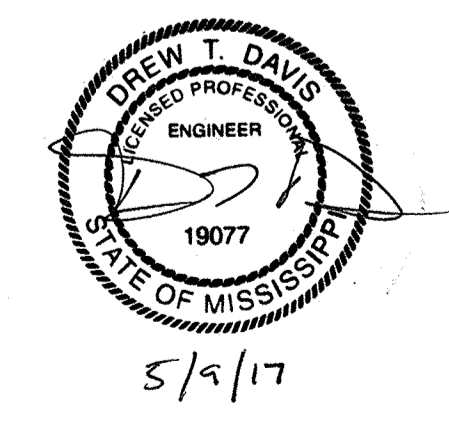
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR

**MDOT**  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	BR-0447-00(021)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1	SPECIAL DESIGN SHEETS (44)		
DETAILED INDEX & GENERAL NOTES (4)			VEGETATION SCHEDULE	VS-1	32
DETAILED INDEX	DI-1	2	BREAKAWAY SIGN SUPPORTS	SDSN-6B	33
DETAILED INDEX	DI-2	3	SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	SDSE-2A	34
GENERAL NOTES	GN-1	4	LOCATION OF R16-3 SIGNS	LS-1	35
GENERAL NOTES	GN-2	5	RIGHT-OF-WAY MARKER	RW-1	36
TYPICAL SECTION SHEETS (3)			HIGHWAY SIGNS AND BARRICADE DETAIL FOR CONSTRUCTION PROJECT	SDTCP-10	37
TYPICAL SECTION - MAINLINE NEW CONSTRUCTION, WIDENING AND OVERLAY	TS-1	6	TRAFFIC CONTROL DETAIL - DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	38
TYPICAL SECTION - LOCAL ROADS NEW CONSTRUCTION, WIDENING AND OVERLAY	TS-2	7	TYPICAL TEMP. EROSION CONTROL/ SEDIMENT CONTROL APPLICATIONS	ECD-1	39
TYPICAL SECTION - MISCELLANEOUS TYPICAL SECTION DETAILS	TS-3	8	DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	40
QUANTITY SHEETS (11)			DETAILS OF SILT FENCE INSTALLATION	ECD-3	41
SUMMARY OF QUANTITIES	SQ-1	9	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	42
SUMMARY OF QUANTITIES	SQ-2	10	TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES	ECD-5	43
SUMMARY OF QUANTITIES	SQ-3	11	DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	44
ESTIMATED QUANTITIES - REMOVAL ITEMS	EQ-1	12	DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	45
ESTIMATED QUANTITIES - SIDE DRAINS AND SUMMARY OF PAVEMENT MARKINGS	EQ-2	13	ROCK DITCH CHECK	ECD-8	46
ESTIMATED QUANTITIES - DRAINAGE & BOX BRIDGE	EQ-3	14	ROCK FILTER DAM	ECD-9	47
ESTIMATED QUANTITIES - EROSION CONTROL, EW, & HYD. SUMMARY	EQ-4	15	ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM	ECD-10	48
ESTIMATED QUANTITIES - PERMANENT SIGNING ITEMS	EQ-5	16	STABILIZED CONSTRUCTION ENTRANCE	ECD-16	49
ESTIMATED QUANTITIES - PERMANENT SIGN ASSEMBLIES AND C&G AND DRIVES	EQ-6	17	TEMPORARY CULVERT STREAM CROSSING	ECD-17	50
ESTIMATED QUANTITIES - SUMMARY OF TRAFFIC CONTROL ITEMS	EQ-7	18	TEMPORARY STREAM DIVERSION	ECD-18	51
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	EQ-8	19	TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)	ECD-19	52
PLAN/PROFILE SHEETS (4)			FLOATING TURBIDITY CURTAIN	ECD-20	53
PLAN/PROFILE SHEET - S.R. 493, DOGWOOD RD., S.R. 495	WK-3	20	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	54
PLAN/PROFILE SHEET - S.R. 495	WK-3A	21	SEDIMENT RETENTION BARRIER	ECD-22	55
PLAN/PROFILE SHEET - S.R. 493	WK-4	22	DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	56
PROFILE SHEET - S.R. 495 AND DOGWOOD RD.	WK-5	23	EROSION CONTROL	EC-1	57
DETAIL OF INTERSECTION SHEETS (2)			SUPER SILT FENCE	SSF-1	58
DETAIL OF INTERSECTION SHEET - S.R. 493 AT DOGWOOD RD.	DOI-1	24	DRIVEWAYS, CURB & GUTTER & SIDEWALK	SDSD-1	59
DETAIL OF INTERSECTION SHEET - S.R. 493 AT S.R. 495	DOI-2	25	DRIVEWAYS, INTEGRAL CURB & SIDEWALK	SDSD-2	60
PAVEMENT MARKING DETAIL SHEETS (2)			BASIC BARREL DETAILS FOR DOUBLE CELL BOX CULVERT HEIGHT 12 FT. SPANS 24-40 FT. (SHEET 1 OF 3)	IBD-12	61
PAVEMENT MARKING DETAIL SHEET - S.R. 493, DOGWOOD RD. AND S.R. 495	PMD-1	26	BASIC BARREL DETAILS FOR DOUBLE CELL BOX CULVERT HEIGHT 12 FT. SPANS 24-40 FT. (SHEET 2 OF 3)	IBD-12	62
PAVEMENT MARKING DETAIL SHEET - S.R. 493, DOGWOOD RD. AND S.R. 495	PMD-2	27	BASIC BARREL DETAILS FOR DOUBLE CELL BOX CULVERT HEIGHT 12 FT. SPANS 24-40 FT. (SHEET 3 OF 3)	IBD-12	63
TRAFFIC CONTROL SHEETS (3)			COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE)	ICJ-1	64
TRAFFIC CONTROL PLAN - PHASE I	TC-1	28	SKewed COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE)	ICJS-1	65
TRAFFIC CONTROL PLAN - PHASE II	TC-2	29	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWINGS DOUBLE CELL 0° SKEW DETAILS (SHEET 1 OF 3)	IWD-12-3W	66
TRAFFIC CONTROL PLAN - PHASE III	TC-3	30	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWINGS DOUBLE CELL 0° SKEW DETAILS (SHEET 2 OF 3)	IWD-12-3W	67
PRELIMINARY EROSION CONTROL SHEET (1)			WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWINGS DOUBLE CELL 0° SKEW DETAILS (SHEET 3 OF 3)	IWD-12-3W	68
EROSION CONTROL PLAN - S.R. 493, DOGWOOD RD. AND S.R. 495	ECP-1	31	TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SDSN-8	69



VOLKERT, INC.

PS & E PLANS-DATE 4/18/2017		
FMS CON. 100589/303000		
REVISIONS		
DATE	SHEET NO.	BY


MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. BR-0447-00(021) COUNTY : LAUDERDALE	
WORKING NUMBER	DI-1
SHEET NUMBER	2
FILENAME: DI.DGN	
DESIGN TEAM: VOLKERT	CHECKED:
DATE:	DATE:

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
5/19/2017 12:03:56 PM L. DGN

STATE	PROJECT NO.
MISS.	BR-0447-00(021)

DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
PERMANENT SIGN PLAN SHEETS (2)			
PERMANENT SIGN PLANS - EXISTING SIGNS		PSP-1	1001
PERMANENT SIGN PLANS - PROPOSED SIGNS		PSP-2	1002
STANDARD DRAWINGS - ROADWAY SHEETS (20)			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED HIGHWAYS	(12/01/99)	PM-1	6120
PAVEMENT MARKING LEGEND DETAILS		PM-6	6125
ROUTE SHIELDS AND "EXIT ONLY" PANELS		SN-2	6221
STANDARD ROADSIDE SIGNS		SN-3	6222
STANDARD ROADSIDE SIGNS		SN-3A	6223
STANDARD ROADSIDE SIGNS	(3/01/02)	SN-3B	6224
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	6225
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	6226
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4B	6227
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE OF TWO-WAY TRAFFIC)		TCP-1	6250
SHORT DURATION CLOSING OF TWO-WAY HIGHWAYS		TCP-8	6257
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	(12/01/99)	TCP-11	6260
TRAFFIC CONTROL PLANS UNEVEN PAVEMENT DETAILS		TCP-14	6263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS		TCP-15	6264
RURAL DRIVEWAYS		RD-1	6271
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS		GT-1	6272
SIGHT FLARES	(12/01/99)	SF-1	6273
MISCELLANEOUS DETAILS SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS		MDS-1	6290
PIPE CULVERT INSTALLATION		PI-1	6300
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328
CROSS SECTIONS (10)			
CROSS SECTIONS: S.R. 493			9001-9007
CROSS SECTIONS: DOGWOOD RD.			9008
CROSS SECTIONS: S.R. 495			9009-9010
TOTAL SHEETS (107)			

4/17/2017 3:37:09 PM DI.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
	
<b>PROJECT NO. BR-0447-00(021)</b> <b>COUNTY : LAUDERDALE</b>	
WORKING NUMBER	DI-2
SHEET NUMBER	3
FILENAME: DI.DGN	
DESIGN TEAM VOLKERT	CHECKED _____ DATE _____



