GENERAL INDEX

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\boxtimes	ROADWAY	1
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	BRIDGE STANDARD DWGS	7001
	BRIDGE	8001
\boxtimes	CROSS SECTIONS	9001

BRIDGE STRUCTURES REQ'D.

N⁄A

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')

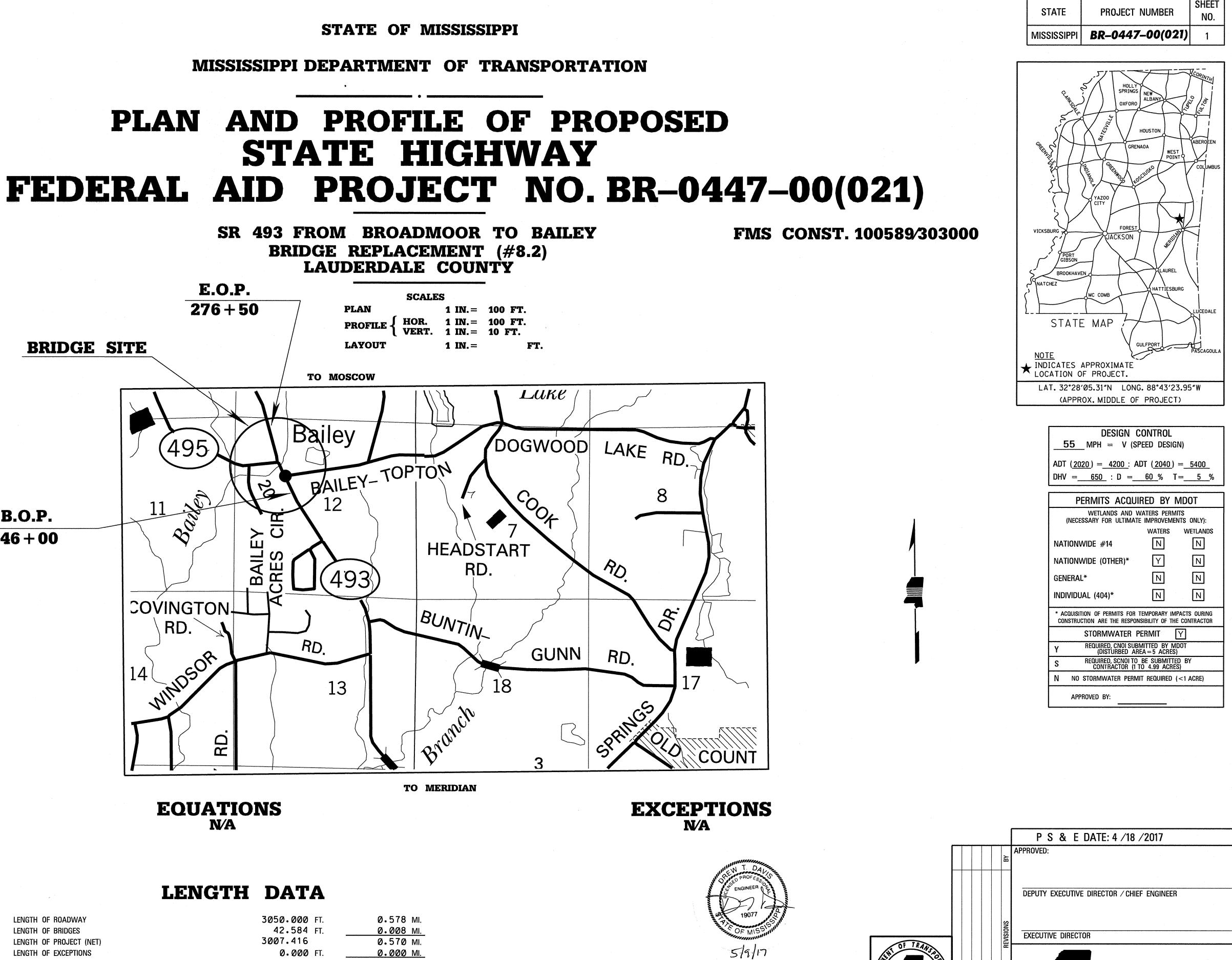
B.O.P.

246 + 00

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

STATE HIGHWAY

BRIDGE REPLACEMENT (#8.2) LAUDERDALE COUNTY





3050.000	FT.	Ø.578 MI.
42.584	FT.	0.008 MI.
3007.416		0.570 MI.
0.000	FT.	0.000 MI.
3007.416		Ø.570 MI.

P.E.

SP-0447-00(004) 100589-1000



551551

LAUDERDALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

COUNTY

DESCRIPTION OF SHEET

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (4)

DETAILED INDEX DETAILED INDEX GENERAL NOTES GENERAL NOTES

TYPICAL SECTION SHEETS (3)

TYPICAL SECTION - MAINLINE NEW CONSTRUCTION, WIDENING AND OVERLAY TYPICAL SECTION - LOCAL ROADS NEW CONSTRUCTION, WIDENING AND OVERL TYPICAL SECTION - MISCELLANEOUS TYPICAL SECTION DETAILS

QUANTITY SHEETS (11)

SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES

ESTIMATED QUANTITIES - REMOVAL ITEMS ESTIMATED QUANTITIES - SIDE DRAINS AND SUMMARY OF PAVEMENT MARKIN ESTIMATED QUANTITIES - DRAINAGE & BOX BRIDGE ESTIMATED QUANTITIES - EROSION CONTROL, EW, & HYD. SUMMARY ESTIMATED QUANTITIES - PERMANENT SIGNING ITEMS ESTIMATED QUANTITIES - PERMANENT SIGN ASSEMBLIES AND C&G AND DRIVI ESTIMATED QUANTITIES - SUMMARY OF TRAFFIC CONTROL ITEMS ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS

PLAN/PROFILE SHEETS (4)

PLAN/PROFILE SHEET - S.R. 493, DOGWOOD RD., S.R. 495 PLAN/PROFILE SHEET - S.R. 495 PLAN/PROFILE SHEET - S.R. 493 PROFILE SHEET - S.R. 495 AND DOGWOOD RD.

DETAIL OF INTERSECTION SHEETS (2)

DETAIL OF INTERSECTION SHEET - S.R. 493 AT DOGWOOD RD. DETAIL OF INTERSECTION SHEET - S.R. 493 AT S.R. 495

PAVEMENT MARKING DETAIL SHEETS (2)

PAVEMENT MARKING DETAIL SHEET - S.R. 493, DOGWOOD RD. AND S.R. 495 PAVEMENT MARKING DETAIL SHEET - S.R. 493, DOGWOOD RD. AND S.R. 495

TRAFFIC CONTROL SHEETS (3)

TRAFFIC CONTROL PLAN - PHASE I TRAFFIC CONTROL PLAN - PHASE II TRAFFIC CONTROL PLAN - PHASE III

PRELIMINARY EROSION CONTROL SHEET (1)

EROSION CONTROL PLAN - S.R. 493, DOGWOOD RD. AND S.R. 495

	WKG. NO.	SH. NO.	DESCRIPTION
		1	SPECIAL DESIGN SHEETS (44)
	DI-1 DI-2 GN-1 GN-2	2 3 4 5	VEGETATION SCHEDULE BREAKAWAY SIGN SUPPORTS SUPERELEVATION RUNOFF CASE I ROTATION LOCATION OF R16-3 SIGNS RIGHT-OF-WAY MARKER HIGHWAY SIGNS AND BARRICADE DETAIL FO TRAFFIC CONTROL DETAIL - DRUM PLACEM TYPICAL TEMP. EROSION CONTROL/ SEDIME DETAILS OF SEDIMENT BARRIER APPLICATI
ΑY	TS-1 TS-2 TS-3	6 7 8	DETAILS OF SILT FENCE INSTALLATION DITCH CHECK STRUCTURES, TYPICAL APPLIC TEMPORARY EROSION, SEDIMENT AND WATER DETAILS OF EROSION CONTROL WATTLE DI DETAILS OF EROSION CONTROL SILT DIKE ROCK DITCH CHECK ROCK FILTER DAM
	SQ-1 SQ-2 SQ-3	9 1Ø 11	ROCK DITCH CHECK WITH SUMP EXCAVATION STABILIZED CONSTRUCTION ENTRANCE TEMPORARY CULVERT STREAM CROSSING TEMPORARY STREAM DIVERSION TEMPORARY STREAM DIVERSION (BOX EXTE FLOATING TURBIDITY CURTAIN DETAILS OF EROSION CONTROL SANDBAG D
IGS	EQ-1 EQ-2 EQ-3 EQ-4	12 13 14 15	SEDIMENT RETENTION BARRIER DETAILS OF TYPICAL DITCH TREATMENTS EROSION CONTROL SUPER SILT FENCE
ES	EQ-5 EQ-6 EQ-7 EQ-8	16 17 18 19	DRIVEWAYS, CURB & GUTTER & SIDEWALK DRIVEWAYS, INTEGRAL CURB & SIDEWALK BASIC BARREL DETAILS FOR DOUBLE CELL HEIGHT 12 FT. SPANS 24-40 FT. (SHEE BASIC BARREL DETAILS FOR DOUBLE CELL HEIGHT 12 FT. SPANS 24-40 FT. (SHEE
	WK-3 WK-3A WK-4 WK-5	2Ø 21 22 23	BASIC BARREL DETAILS FOR DOUBLE CELL HEIGHT 12 FT. SPANS 24-40 FT. (SHEE COLLAR DETAILS FOR BOX STRUCTURES (S SKEWED COLLAR DETAILS FOR BOX STRUCT QUADRUPLE) WINGS WITH 3:1 SLOPE FOR BASIC CULVER 0° SKEW DETAILS (SHEET 1 OF 3) WINGS WITH 3:1 SLOPE FOR BASIC CULVER 0° SKEW DETAILS (SHEET 2 OF 3)
	DOI-1 DOI-2	24 25	WINGS WITH 3:1 SLOPE FOR BASIC CULVERT ذSKEW DETAILS (SHEET 3 OF 3) TYPICAL INSTALLATION AND DETAILS OF D DISTANCE REFERENCE SIGNS TYPICAL TEMPORARY EROSION CONTROL ME SILT BASIN) TYPICAL TEMPORARY EROSION CONTROL ME TYPICAL TEMPORARY EROSION CONTROL ME
	PMD-1 PMD-2	26 27	(RIPRAP DIKE SILT BASIN) 135 CU.YDS. RUMBLE STRIPES 2-LANE HIGHWAYS (ASPH. 2-LANE, 2-WAY 2-WAY CLEAR RAISED PAVE ROADS RIGHT OF WAY MARKERS
	TC-1 TC-2 TC-3	28 29 3Ø	VOLKERT, INC. PS & E PLANS-DATE 4/18/2017 FMS CON. 100589/303000 REVISIONS DATE SHEET NO. BY
	ECP-1	31	

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	S1	TATE	PROJECT	NO.
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N OF SHEET	WK (NO		SH. NO.	
N ABOUT CENTERLINE (2% NORMAL SUBGRADE)	VS- SDSN- SDSE- LS-	-6B -2A 1	32 33 34 35	
OR CONSTRUCTION PROJECT MENT AND SHOULDER CLOSURE ENT CONTROL APPLICATIONS IONS	RW- SDTCP TCP- ECD- ECD- ECD-	-1Ø SC -1 -2	36 37 38 39 4Ø 41	
CATIONS AND DETAILS R POLLUTION CONTROL MEASURES TCH CHECK DITCH CHECK	ECD- ECD- ECD- ECD- ECD-	-4 -5 -6 -7	42 43 44 45 46	
N AND ROCK FILTER DAM	ECD- ECD- ECD- ECD- ECD-	1Ø 16 17	47 48 49 5Ø 51	
ENSIONS)	ECD-	19	52	
BOX CULVERT	ECD- ECD- ECD- DT- EC- SSF- SDSD SDSD IBD-	21 22 1 1 -1 -1 -2	53 54 55 56 57 58 59 6Ø 61	
ET 1 ØF 3) BOX CULVERT	IBD-	12	62	
ET 2 ØF 3) BOX CULVERT	IBD-	12	63	
ET 3 ØF 3) SINGLE, DOUBLE, TRIPLE & QUADRUPLE) TURES (SINGLE, DOUBLE, TRIPLE &	ICJ-1 ICJS-		64 65	
T DRAWINGS DOUBLE CELL	IWD-12-	-3W	66	
T DRAWINGS DOUBLE CELL	IWD-12-	-3W	67	
T DRAWINGS DOUBLE CELL	IWD-12-	-3W	68	
DELINEATORS AND	SDSN-	8	69	
EASURES (SLOPE DRAIN AND TYPE A	TEC-2	2	7Ø	
EASURES (TYPE B SILT BASIN) EASURES (TYPE "D" SILT BASIN) . CAPACITY PER ACRE OF DRAINAGE	TEC- TEC-I		71 72	
LANES, 2-FT ASPH. SHLD) Ement markers placed on side	RS-1 CRPMSF		73 74	
	ROWN	1	75	

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DESCRIPTION OF SHEET

PERMANENT SIGN PLAN SHEETS (2)

PERMANENT SIGN PLANS - EXISTING SIGNS PERMANENT SIGN PLANS - PROPOSED SIGNS

STANDARD DRAWINGS - ROADWAY SHEETS (20)

PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED HIGHWAYS PAVEMENT MARKING LEGEND DETAILS ROUTE SHIELDS AND "EXIT ONLY" PANELS STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGNS STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE OF TWO-WAY TRAFFIC) SHORT DURATION CLOSING OF TWO-WAY HIGHWAYS TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS TRAFFIC CONTROL PLANS UNEVEN PAVEMENT DETAILS TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS RURAL DRIVEWAYS TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS SIGHT FLARES MISCELLANEOUS DETAILS SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS PIPE CULVERT INSTALLATION FLARED END SECTION FOR CONCRETE PIPE

CROSS SECTIONS (10)

CROSS SECTIONS: S.R. 493 CROSS SECTIONS: DOGWOOD RD. CROSS SECTIONS: S.R. 495

TOTAL SHEETS (107)

REV. DATE	WKG. NO.	SH. NO.
	PSP-1 PSP-2	1001 1002
(12/Ø1/99)	PM-1 PM-6 SN-2 SN-3	612Ø 6125 6221 6222
(3/01/02) (12/01/99)	SN-3A SN-3B SN-4 SN-4A SN-4B TCP-1 TCP-8 TCP-11	6223 6224 6225 6226 6227 6250 6257 6260
	TCP-14 TCP-15	6263 6264
(12/Ø1/99)	RD-1 GT-1 SF-1 MDS-1	6271 6272 6273 629Ø
	PI-1 FE-1	63ØØ 6328

9001-9007 9008 9009-9010

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		DESIGN TEAM VOLKERT CHECKED DATE	J

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- PUBLIC UTILITIES **ELECTRIC: EAST MISSISSIPPI ELECTRIC POWER ASSOCIATION TELEPHONE: AT&T** WATER: NORTH LAUDERDALE WATER ASSOCIATION CABLE TV: COMCAST CABLE
- THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- PRIOR TO POURING PAVED ISLANDS, THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT SIGNS (3)REQUIRED IN ISLANDS CAN BE LOCATED.
- A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT THE (4) LOCATIONS INDICATED IN THE TEST REPORTS. THIS SOIL PROFILE IS ON FILE IN THE DISTRICT AND CENTRAL CONSTRUCTION OFFICES AND IS AVAILABLE FOR EXAMINATION. THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIALS AS SHOWN IN THE REPORTS ARE NECESSARILY TO BE FOUND OUTSIDE THE TEST HOLES.
- (5)25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC., 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.
- ALL EXISTING CULVERT PIPES OR OTHER OBSTRUCTIONS THAT CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE (7) REMOVED AT THE CONTRACTOR'S EXPENSE AS AN ABSORBED ITEM. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE PLUGGED ON EACH END WITH CONCRETE. (ABSORBED ITEM)
- VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST (9) INFORMATION AVAILABLE TO THE ENGINEER. 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.

GENERAL NOTES

- THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE.
- JOINTS. (SEE WK. NO. ICJ-1 FOR DETAILS)
- ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
- (14)
- ABSORBED IN OTHER ITEMS.
- BE ABSORBED IN OTHER ITEMS BID.
- (17) REMOVAL OF RAISED PAVEMENT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.
- (18)

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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 THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING AND CONSTRUCTING

FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION

FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE

ROADWAY SIGNS AND/OR MAILBOXES 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

THE EROSION CONTROL DEVICES REFERENCED ON THESE PLANS ARE A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION.

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- 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.
- ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART IV OF THE MUTCD (20)(LATEST EDITION).
- WHENEVER THE PLANS SPECIFY A MINIMUM OPENING SIZE TO ALLOW DRAINAGE ACROSS A DETOUR (21) ROAD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING A STRUCTURE OF AT LEAST THAT MINIMUM SIZE. THIS STRUCTURE MAY CONSIST OF PIPE CULVERT, BOX CULVERT, OR BRIDGE. THE DESIGN OF A BOX CULVERT OR BRIDGE MUST BE APPROVED BY THE ENGINEER PRIOR TO ITS INSTALLATION. ALL MATERIALS AND WORK REQUIRED TO PROVIDE THE REQUIRED MINIMUM DRAINAGE WILL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT SHALL BE INCLUDED IN OTHER PAY ITEMS.
- THE COST OF REMOVAL OF ALL HEADWALLS AND WINGWALLS (PIPES, BOX CULVERTS, BOX BRIDGES) (22)SHALL BE ABSORBED IN OTHER ITEMS BID.
- THE CLEARING LIMITS ADJACENT TO THE STREAM AT STATION 263+09 WILL BE LIMITED TO NO (23)FURTHER THAN TEN (10) FEET OUTSIDE THE CONSTRUCTION LIMITS WHEN ANY CLOSER THAN FIFTY (50) FEET FROM THE TOP OF THE BANKS.
- SEE CROSS SECTIONS FOR THE REMOVAL AND GRADING OF THE EXISTING ROADBED.
- STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES. (26)

NOTES GENERAL

ANY RIPRAP ENCOUNTERED ON SITE SHALL BE REMOVED AND/OR RESET AT THE DISCRETION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STAT

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