

1st O. REV.

STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. STP-0026-01(071) [△]**

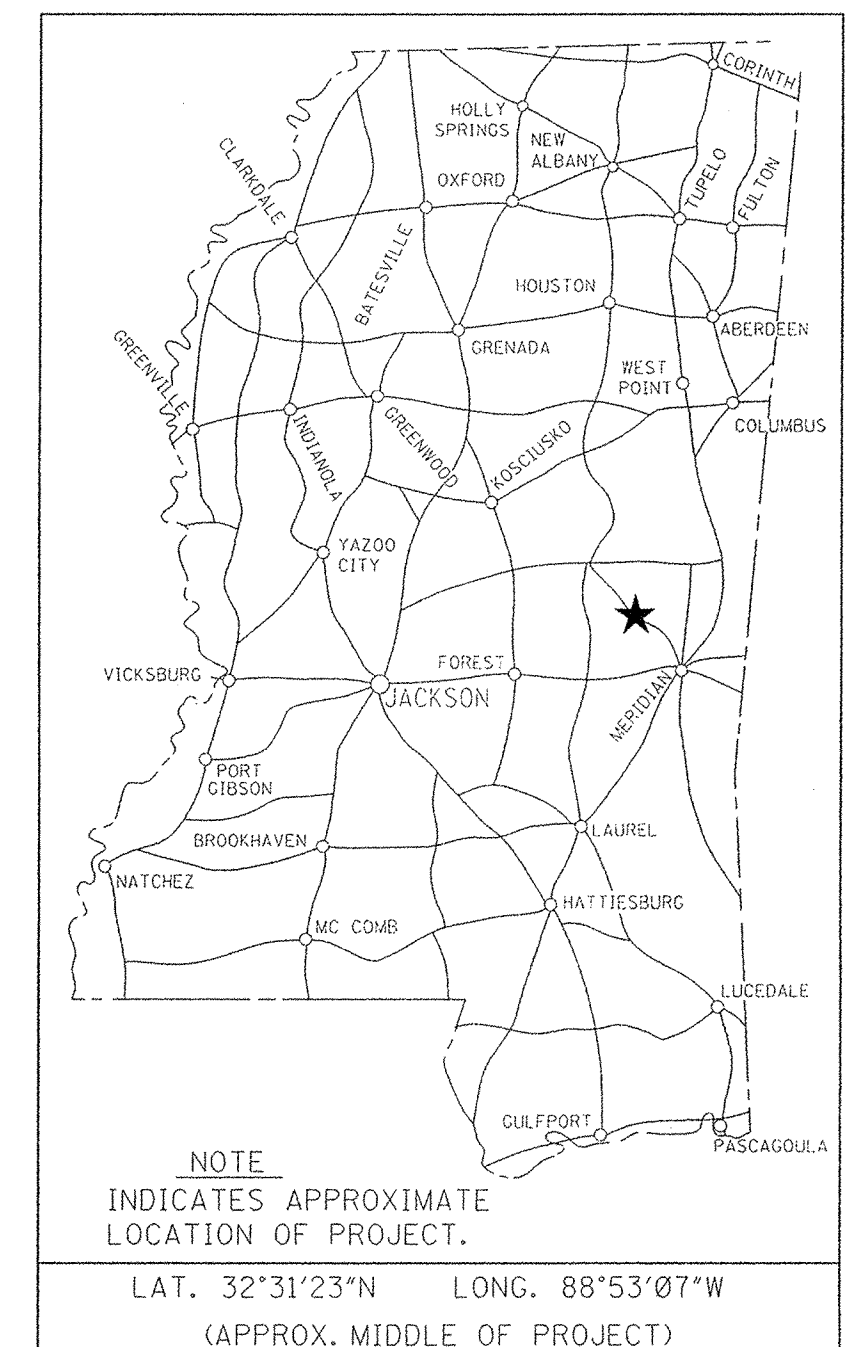
① 02-20-08

SR 19 FROM COLLINSVILLE
TO THE NEWTON COUNTY LINE
LAUDERDALE COUNTY

101648/301000 FMS

SCALES
PLAN 1 IN. = 100 FT.
PROFILE { HOR. 1 IN. = 100 FT.
 VERT. 1 IN. = 10 FT.
LAYOUT 1 IN. = 2,000 FT.

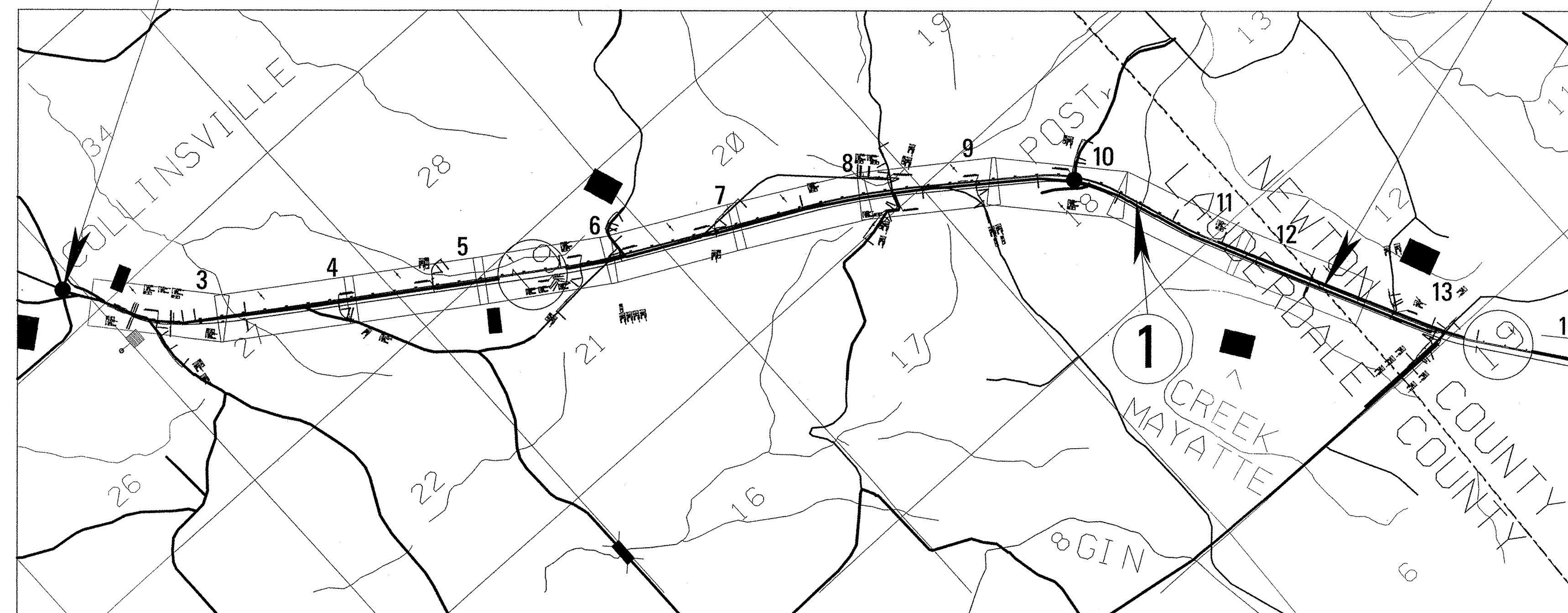
FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	STP-0026-01(071) [△]	1



BRIDGE STRUCTURES REQ'D.
NONE

B.O.P. STA. 1629 + 00

E.O.P. STA. 1907 + 80.524



BOX BRIDGES REQ'D.
① 1864 + 72 DBL. 16' X 8'
35.02' LENGTH ALONG ζ

DESIGN CONTROL	
65 MPH = V (SPEED DESIGN)	
ADT (2005) = 7400 ; ADT (2025) = 15000	
DHV = 1700 ; D = 50 % T = 13 %	
PERMITS ACQUIRED BY MDT	
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	
	WATERS WETLANDS
NATIONWIDE #14	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input type="checkbox"/> N <input type="checkbox"/> N
GENERAL*	<input checked="" type="checkbox"/> Y <input type="checkbox"/> Y
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 <input checked="" type="checkbox"/> Y	
Y REQUIRED, CNOI SUBMITTED BY MDT (DISTRIBUTED AREA = 5 ACRES + INTB 6484)	
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (INTB 6483)	
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)	
APPROVED BY: CKP DATE: 2/20/08	

CONVENTIONAL SYMBOLS

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

EQUATIONS

NONE

EXCEPTIONS

NONE

LENGTH DATA

LENGTH OF ROADWAY	27,880.52 FT.	5.280 MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	FT.	5.280 MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	FT.	5.280 MI.

REVISIONS DATE REVISIONS	APPROVED: _____ 122
	_____ CHIEF ENGINEER 2/20/08 DATE
	_____ EXECUTIVE DIRECTOR 2/20/08 DATE
	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
APPROVED:	
DIVISION ADMINISTRATOR	DATE
FEDERAL HIGHWAY ADMINISTRATION	
DEPARTMENT OF TRANSPORTATION	

PROJECT NO. STP-0026-01(071) [△]

LAUDERDALE COUNTY

2/14/2008 2:59 PM TITLE.DGN

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET	1	1	INTERSECTION DETAIL SHEETS (7)		
DETAIL INDEX & GENERAL NOTES (4)			INTERSECTION DETAILS STA. 1635+13.12 @ SURVEY	ID-1	64
DETAILED INDEX	DI-1	2	INTERSECTION DETAILS STA. 1677+00.00 @ SURVEY	ID-2	65
DETAILED INDEX	DI-2	3	INTERSECTION DETAILS STA. 1699+00.00 @ SURVEY	ID-3	66
DETAILED INDEX	DI-3	4	INTERSECTION DETAILS STA. 1848+15.92 @ SURVEY	ID-4	67
GENERAL NOTES	GN-1	5	INTERSECTION DETAILS STA. 1733+00 @ SURVEY & STA. 1742+50 @ SURVEY	ID-5	68
			INTERSECTION DETAILS STA. 1765+00 @ SURVEY & STA. 1806+35.63 @ SURVEY	ID-6	69
			INTERSECTION DETAILS STA. 1826+00 @ SURVEY	ID-7	70
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TYPICAL SECTION - MAINLINE	TS-2	7	PERMANENT PAVEMENT MARKING DETAILS	PMD-2	72
TYPICAL SECTION - MAINLINE (CUT & FILL SECTION)	TS-3	8	PERMANENT PAVEMENT MARKING DETAILS	PMD-3	73
TYPICAL SECTION - MAINLINE (PHASE CONSTRUCTION)	TS-4	9	PERMANENT PAVEMENT MARKING DETAILS	PMD-4	74
TYPICAL SECTION - MAIN LINE (HIGH VOLUME CHANGE SOIL)	TS-5	10	PERMANENT PAVEMENT MARKING DETAILS	PMD-5	75
TYPICAL SECTION - THRU CHANNELIZED INTERSECTIONS	TS-6	11	PERMANENT PAVEMENT MARKING DETAILS	PMD-6	76
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TYPICAL SECTION - TEMPORARY CONNECTION	TS-9	14			
TYPICAL SECTION - CROSSOVER	TS-10	15			
TYPICAL SECTION - SR 19 DRAINAGE RT. OF RT. LANE STA. 1680+00 TO STA. 1686+00	TS-11	16			
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SUMMARY OF QUANTITIES	SQ-2	18	PERMANENT SIGNING PLAN	SP-3	80
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ESTIMATED QUANTITIES EARTHWORK PHASE I AND II AND CONC. ISLAND PAVEMENT	EQ-10	33	TRAFFIC CONTROL PLAN (PHASE 1)	TC-3	93
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ESTIMATED QUANTITIES TEMPORARY PIPES UNDER TEMPORARY RAMPS	EQ-14	37	TRAFFIC CONTROL PLAN (PHASE 1)	TC-7	97
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ESTIMATED QUANTITIES STANDARD ROADSIDE SIGN QUANTITIES	EQ-16	39	TRAFFIC CONTROL PLAN (PHASE 1)	TC-9	99
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			TRAFFIC CONTROL PLAN (PHASE 2)	TC-11	100.02
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-12	100.03
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-13	100.04
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-14	100.05
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-15	100.06
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-16	100.07
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-17	100.08
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-18	100.09
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-19	100.10
			TRAFFIC CONTROL PLAN (PHASE 2)	TC-20	100.11
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FIRE TOWER RD. RT. OF STA. 1677+00 (STA. 10+00 TO STA. 15+00)	4-A	45			
MAIN FACILITY - STA. 1680+00 - STA. 1710+00	5	46			
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MAIN FACILITY - STA. 1740+00 - STA. 1770+00	7	50			
PLEASANT RIDGE RD. LT. OF STA. 1742+50 (STA. 9+50 TO STA. 13+11.29)	7-A	51			
OLD HWY 19 N. LT. OF STA. 1765+00 (STA. 11+00 TO STA. 14+28.90)	7-B	52			
MAIN FACILITY - STA. 1770+00 - STA. 1800+00	8	53			
MAIN FACILITY - STA. 1800+00 - STA. 1830+00	9	54			
ROCKY RIDGE RD./MAYATT RD. LT. & RT. OF STA. 1806+35.63 (STA. 8+00 TO STA. 19+00)	9-A	55			
HICKORY HILL RD. RT. OF STA. 1826+00 (STA. 10+00 TO STA. 16+00)	9-B	56			
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MAIN FACILITY - STA. 1830+00 - STA. 1860+00	10	58			
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NEEL-SCHAFFER

PS & E PLANS-DATE: 02/20/2008		
FMS CON. # 101648/301000		
REVISIONS		
DATE	SHEET NO.	BY
4/16/08	1-5, 7, 17-20, 22, 100.42	DBS
4/23/08	6, 7, 11, 12, 13, 15, 17, 18	DBS

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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1st O. REV.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

FORM GRADES (7)

FORM GRADES: Sta. 1635+13.12 SR 19 Collinsville Martin Rd.
 FORM GRADES: Sta. 1637+00 to Sta. 1647+00 SR 19
 FORM GRADES: Sta. 1647+00 to Sta. 1656+50 SR 19
 FORM GRADES: Sta. 1677+00 SR 19 Fire Tower Rd.
 FORM GRADES: Sta. 1848+15.92 SR 19 Post County Line Rd.
 FORM GRADES: Temporary Connection Sta. 1902+00 SR 19
 FORM GRADES: Temporary Connection Sta. 1900+00 SR 19

FG-1 100.12
 FG-2 100.13
 FG-3 100.14
 FG-4 100.15
 FG-5 100.16
 FG-6 100.17
 FG-7 100.18

STANDARD DRAWINGS - ROADWAY SHEETS CONT'D

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 DAY ONLY)
 4-LANE TO 2-LANE TRANSITION
 2-LANE TO 4-LANE TRANSITION
 SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS
 SHORT DURATION CLOSING OF DIVIDED HIGHWAYS
 HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
 TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTI LANE ROADS AND TWO-LANE ROADS
 TRAFFIC CONTROL PLAN FOR TEMPORARY CONSTRUCTION CROSSOVER (WORK DAY ONLY)
 TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS
 TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS
 TEMPORARY STRIPING FOR TRAFFIC CONTROL 4-LANE AND 5-LANE UNDIVIDED HIGHWAYS
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 SIGHT FLARES
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 SUPERELEVATION TRANSITION - CASE I ROTATION ABOUT CENTERLINE (URBAN FACILITY, V = 50 mph/h)
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 2. EXCAVATION AT GRADE POINTS
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 TYPE I MEDIAN INLET (29" - 51" PIPE)
 TYPE I MEDIAN INLET (OVER 51" PIPE)
 TYPE II MEDIAN INLET (51" & UNDER)
 TYPE II MEDIAN INLET (OVER 51" PIPE)
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 MEDIAN INLET (FLUSH WITH DITCH PLUG)
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 RUMBLE STRIPE FOR FOUR-LANE DIVIDED HIGHWAYS
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 SKEWED COLLAR DETAILS FOR BOX STRUCTURES
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 BASIC CULVERT DRAWINGS - SINGLE CELL, HEIGHT - 5 FT., SPANS 5-12 FT.
 WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING, SINGLE CELL, HEIGHTS - 4-24 FT., SPANS 4-24 FT., SHEET 1 OF 2
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 BOX CULVERT DRAWING - 30° SKEW DETAILS, WINGS WITH 3:1 SLOPE, SINGLE & DOUBLE CELL CULVERTS.
 BOX CULVERT DRAWING - 45° SKEW DETAILS, WINGS WITH 3:1 SLOPE, SINGLE & DOUBLE CELL CULVERTS.
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 ICJ-1 100.26
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 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
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1st O. REV.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

BRIDGE DRAWINGS (23)

BOX CULVERT DRAWING: BARREL JOINT LOCATION: NORMAL AND SKEWED CULVERTS	IBJL-1	366.1
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WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL		
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BOX CULVERT DRAWING - 30 DEGREE SKEW DETAILS - WINGS WITH 3:1 SLOPE		
SINGLE & DOUBLE CELL CULVERTS	ISK-30-3W	400.1
BOX CULVERT DRAWING - 30 DEGREE SKEW DETAILS - WINGS WITH 3:1 SLOPE		
SINGLE & DOUBLE CELL CULVERTS	ISK-30-3W	400.2
BOX CULVERT DRAWING - 45 DEGREE SKEW DETAILS - WINGS WITH 3:1 SLOPE		
SINGLE & DOUBLE CELL CULVERTS	ISK-45-3W	403.1
BOX CULVERT DRAWING - 45 DEGREE SKEW DETAILS - WINGS WITH 3:1 SLOPE		
SINGLE & DOUBLE CELL CULVERTS	ISK-45-3W	403.2

CROSS SECTIONS (164)

MAIN FACILITY	901-1032
LOCAL ROADS	1033-1064

TOTAL SHEETS 394

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
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1st O. REV.

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. 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.
3. WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE (SEE WK. SH. NO. TEC-1).
4. 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. EXTREME CARE SHOULD BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. 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. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.
6. PRIOR TO POURING PAVED ISLANDS, THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT ANY SIGNS WHICH MAY BE REQUIRED IN ISLANDS CAN BE LOCATED.
7. A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT 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.
8. 20% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
9. EXISTING TOPSOIL TO BE STRIPPED AND STOCKPILED. AFTER GRADING OPERATIONS ARE COMPLETE, STOCKPILED TOPSOIL IS TO BE PLACED ON SLOPES AND IN MEDIAN AREAS. ALL COST ASSOCIATED WITH STRIPPING, STOCKPILING, AND PLACEMENT OF THIS MATERIAL SHALL BE ABSORBED.
10. ROADWAY SIGNS IN CONFLICT WITH CONSTRUCTION WILL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. COST TO BE ABSORBED IN OTHER BID ITEMS.
11. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL PER SECTION 631 OF MS STANDARD SPECIFICATIONS.
12. EROSION CHECKS: QUANTITY ESTIMATED ON THE BASIS OF 4 BALES PER EVERY 25 TO 100 L.F. OF DITCH, 8 BALES PER INLET AND 4 BALES AT EACH PIPE OUTLET. THIS IS REQUIRED AS TEMPORARY EROSION CONTROL MEASURE TO MINIMIZE SILTATION UNTIL PERMANENT MEASURES INSTALLED. THE ENGINEER WILL DETERMINE THE ACTUAL LOCATION AND NUMBER OF BALES DURING THE CONSTRUCTION OF THE PROJECT. (SEE WK. NO. TEC-1 FOR DETAILS)
13. 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.
14. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT AND DOES NOT WARRANT THAT THE INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES LOCATED IN ADVANCE OF CONSTRUCTION.
15. FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE ICJS-1 FOR DETAILS)
16. FOR LIST OF PUBLIC UTILITIES, SEE WK. NO. 3.
17. A TYPE "A" MEDIAN SILT BASIN WILL BE REQUIRED UPSTREAM OF EACH MEDIAN INLET. (SEE WK. NO. TEC-2 FOR DETAILS)
18. 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, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING DRAWING AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
19. SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.
20. DITCHES TO BE ADJUSTED AS DIRECTED BY THE ENGINEER TO ACCOMMODATE DRAINAGE. (SEE TS-1 FOR DETAILS)
21. PAVED APRON REQUIRED AROUND ALL MEDIAN INLETS PER STATE STANDARD PA-1 OR APPLICABLE MEDIAN INLET STANDARD UNLESS OTHERWISE NOTED.
22. ANY REFERENCE TO PROJECT NUMBER SP-STP-0026-01(071) IS TO BE UNDERSTOOD THAT STP-0026-01(071) IS THE CORRECT PROJECT NUMBER.

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
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