

GENERAL INDEX

FOR DETAILED INDEX OF PLANS, SEE SHEET No. 2, 3, 4, & 5

STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
U.S. 78
STATE PROJECT NO. SP-0006-01(087)

① 01-08-08
RE: ① 08-22-08

104969 / 304000
104969 / 305000

US 78 FROM THE BLUE SPRINGS INTERCHANGE TO THE SHERMAN INTERCHANGE
UNION / PONTOTOC COUNTIES

BRIDGE STRUCTURES REQUIRED

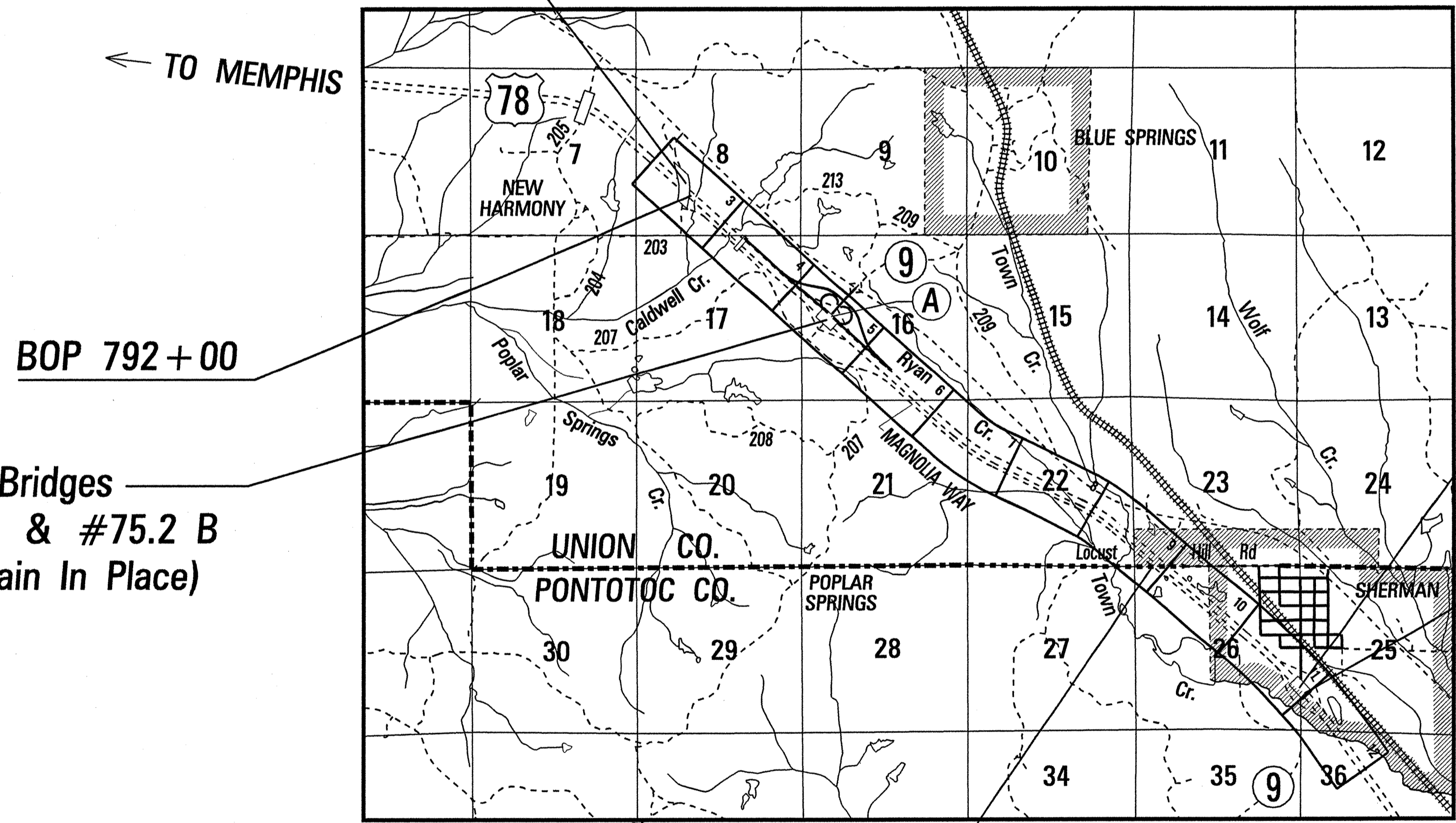
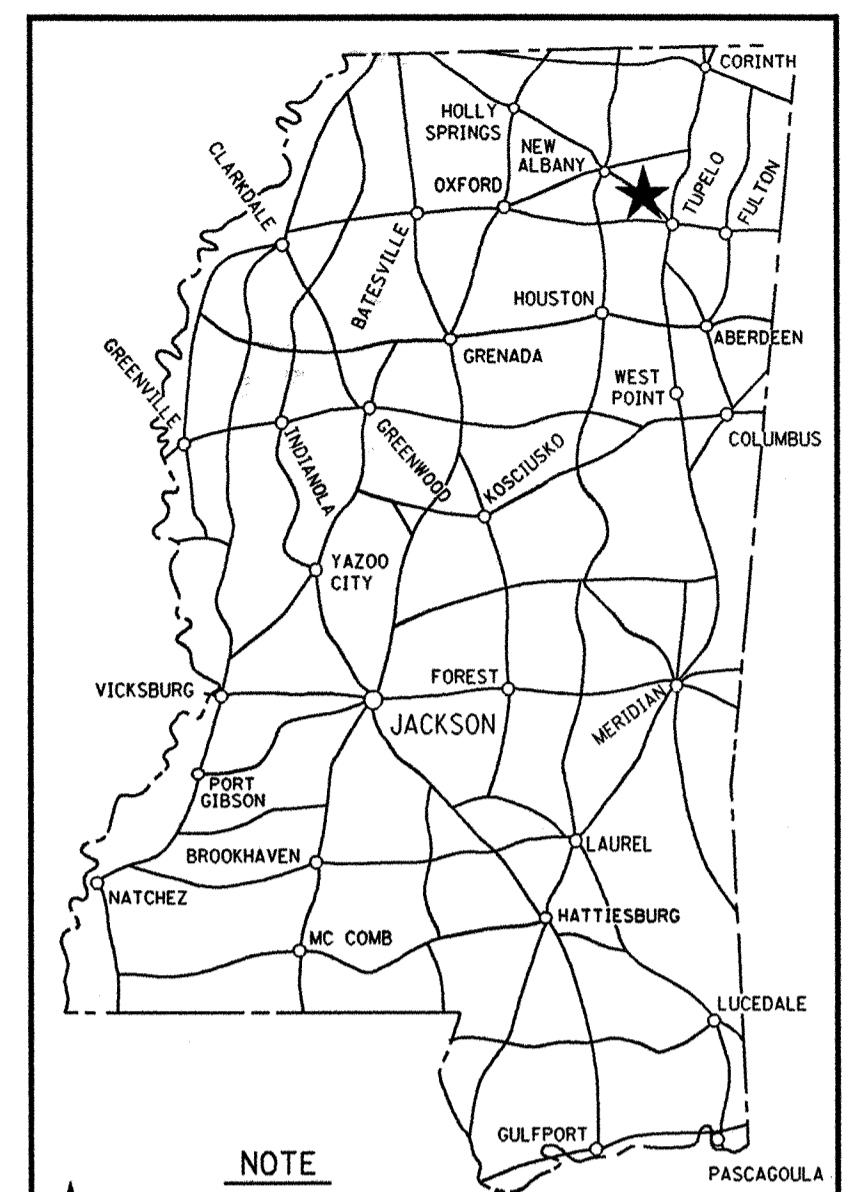
- Ⓐ Sta. 850 + 65.44
Collector/Distributor Over SR 9
3 Span Bridge Required
1 @ 71', 1 @ 94', 1 @ 63'
Total Length = 230.34'

Existing Bridge #74.1
(To Remain In Place)

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT MAP	1 IN. = 3000 FT.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	SP-0006-01(087)	1



Existing Bridges #75.2 A & #75.2 B
(To Remain In Place)

Existing Bridges #78.8 A & 78.8 B
(To Remain In Place)

E.O.P. 1069 + 21.30

BOX BRIDGES REQUIRED
NONE

CONVENTIONAL SYMBOLS

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

EQUATIONS

- 902 + 03.790 Bk. = 902 + 00.000 Ah.
- 922 + 19.840 Bk. = 922 + 27.580 Ah.
- 966 + 15.520 Bk. = 966 + 19.530 Ah.
- 985 + 85.740 Bk. = 985 + 81.000 Ah.
- 1063 + 50.991 Bk. = 1064 + 13.100 Ah.

County Line
Sta. 985 + 75.06

LENGTH DATA

	UNION COUNTY		PONTOTOC COUNTY		TOTAL PROJECT	
LENGTH OF ROADWAY	19,367.10 FT.	3,668 MI.	8,288.87 FT.	1,570 MI.	27,655.97 FT.	5,238 MI.
① LENGTH OF BRIDGES	① 0.00 FT.	0.000 MI.	0.00 FT.	0.000 MI.	① 0.00 FT.	0.000 MI.
LENGTH OF PROJECT (NET)	19,367.10 FT.	3,668 MI.	8,288.87 FT.	1,570 MI.	27,655.97 FT.	5,238 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.000 MI.	0.00 FT.	0.000 MI.	0.00 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)	19,367.10 FT.	3,668 MI.	8,288.87 FT.	1,570 MI.	27,655.97 FT.	5,238 MI.

① DOES NOT INCLUDE 230.34' (0.043 MI.) FOR THE COLLECTOR /DISTRIBUTOR BRIDGE OVER SR 9 @ BLUE SPRINGS.

EXCEPTIONS

NONE

NOTES:

- Access to and exit from this highway will be permitted only through interchange or such other points as may be established by public authority and as shown on the plans.
- This note applies to the following station limits: Sta. 797 + 97.92 to Sta. 886 + 80.00. This project is declared by the Transportation Commission to be a Type 1 Controlled Access Facility, as defined in and subject to all restrictions shown by order of said Commission adopted on the 11th day of March, 2008 in minute book 13, page 76 and authorized under section 65-1-10(1) MCA (1972, as amended).

ACCESS CONTROL

DESIGN CONTROL

50 MPH = V (CD SPEED DESIGN)

ADT (2010) = 3400 ; ADT (2030) = 6900

DHV = 1000 ; D = 99 % T = 5 %

PERMITS ACQUIRED BY MDT

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

	WATERS	WETLANDS
NATIONWIDE #14	<input checked="" 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

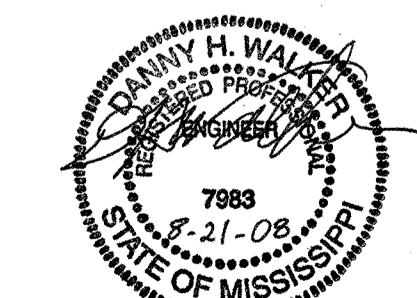
STORMWATER PERMIT

Y REQUIRED, CNDI SUBMITTED BY MDT (DISTRIBUTED AREA = 5 ACRES + INTB 586)

S REQUIRED, SCNDI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(INTB 14)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: JCR DATE: 08/22/08



FLORENCE & HUTCHESON, INC.
SURVEY & ROADWAY DESIGN

FLORENCE & HUTCHESON, INC.
BRIDGE DESIGN

APPROVED: *Mark M. North* 8/22/08
DATE

EXECUTIVE DIRECTOR *Randy B. Brown* 8/22/08
DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: _____ DATE _____

DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

REVISION DATE
WKG. NO.
SH. NO.

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (6)

- DETAILED INDEX
- DETAILED INDEX
- DETAILED INDEX
- DETAILED INDEX
- GENERAL NOTES
- GENERAL NOTES

TYPICAL SECTION SHEETS (14)

- US 78
- US 78
- US 78
- SR 9 @ BLUE SPRINGS
- INTERCHANGE RAMPS & COLLECTOR-DISTRIBUTOR RD.
- INTERCHANGE LOOPS
- OVERLAY INTERCHANGE RAMPS
- CHANNELIZED INTERSECTION (SR9 /SR178 @ BLUE SPRINGS)
- CHANNELIZED INTERSECTIONS (INTERCHANGE RAMPS @ BLUE SPRINGS)
- MAINLINE CONCRETE US 78 AREAS
- GUARDRAIL AT BRIDGE
- DETAIL OF PAVEMENT TRANSITIONS
- MAINTENANCE OF TRAFFIC
- CHANNELIZED INTERSECTION (SR9 /SR178 @ BLUE SPRINGS) ASPHALT PAVEMENT

QUANTITY SHEETS (21)

- SUMMARY OF QUANTITIES - (ROADWAY)
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- SUMMARY OF QUANTITIES - (ROADWAY)
- SUMMARY OF QUANTITIES - (ROADWAY)
- SUMMARY OF QUANTITIES - (BRIDGE ITEMS)
- ESTIMATED QUANTITIES - (ROADWAY)
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- ESTIMATED QUANTITIES - (ROADWAY)
- ESTIMATED QUANTITIES - (TRAFFIC CONTROL SIGNS)
- ESTIMATED QUANTITIES - (BRIDGE)
- SUMMARY OF CULVERT HYDRAULIC DESIGN

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DI-3 4
DI-4 5
GN-1 6
GN-2 7

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

SQ-1 22
SQ-2 23
SQ-3 24
SQ-4 25
SQ-5 26
SQ-6 27
EQ-1 28
EQ-2 29
EQ-3 30
EQ-4 31
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EQ-11 38
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EQ-13 40
EQ-14 41
HD-1 42

DESCRIPTION OF SHEET

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PLAN & PROFILE SHEETS (23)

- US 78 (B.O.P. TO STA. 807+00)
- US 78 (STA. 807+00 TO STA. 837+00)
- US 78 PLAN (STA. 837+00 TO STA. 867+00)
- US 78 PROFILE (STA. 837+00 TO STA. 867+00)
- INTERCHANGE LAYOUT SR 9 @ BLUE SPRINGS
- SR 9 @ BLUE SPRINGS
- CD ROAD (B.O.P. TO STA. 806+00)
- CD ROAD (STA. 806+00 TO STA. 836+00)
- CD ROAD (STA. 836+00 TO STA. 866+00)
- CD ROAD (STA. 866+00 TO 890+75.85)
- NW RAMP @ BLUE SPRINGS
- NW LOOP @ BLUE SPRINGS
- NE RAMP @ BLUE SPRINGS
- NE LOOP @ BLUE SPRINGS
- SW RAMP @ BLUE SPRINGS
- SE RAMP @ BLUE SPRINGS
- US 78 (STA. 867+00 TO STA. 897+00)
- US 78 (STA. 897+00 TO STA. 927+00)
- US 78 (STA. 927+00 TO STA. 957+00)
- US 78 (STA. 957+00 TO STA. 987+00)
- US 78 (STA. 987+00 TO STA. 1017+00)
- US 78 (STA. 1017+00 TO STA. 1047+00)
- US 78 (STA. 1047+00 TO E.O.P.)

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5B 47
5C 48
5D 49
5E 50
5F 51
5G 52
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5J 55
5K 56
5L 57
5M 58
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SPECIAL DESIGN SHEETS (88)

- CONSTRUCTION SIGNING DETAIL
- TRAFFIC CONTROL - GENERAL NOTES SPECIAL DETAILS
- TRAFFIC CONTROL - PHASE 1
- TRAFFIC CONTROL - PHASE 1
- TRAFFIC CONTROL - PHASE 1
- TRAFFIC CONTROL - PHASE 1A & 1B
- TRAFFIC CONTROL - PHASE 1C & 1D
- TRAFFIC CONTROL - PHASE 2 & 2A
- TRAFFIC CONTROL - PHASE 2
- TRAFFIC CONTROL - PHASE 2
- TRAFFIC CONTROL - PHASE 3 & 4A THRU 4C
- TRAFFIC CONTROL - DRUM PLACEMENT AND SHOULDER CLOSURE DETAILS
- SPEEDING FINES DOUBLED DETAIL

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TC-6 72
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TC-10 76
TC-11 77
SSD-1 78

FLORENCE & HUTCHESON, INC.	
PS & E PLANS - 8 / 22 / 08	
FMS CONST. No. 104969 / 304000 & 104969 / 305000	
PLAN REVISIONS	
REVISED SHEET NO.	BY
10-10-08 11, 15, 17, 21, 22, 23, 24, 25, 28, 29, 30, 32, 33, 39, 42, 47, 48, 53, 55, 66, 67, 68, 69, 71, 72, 74, 76, 79, 86, 88, 89, 90, 91, 93, 94, 95, 96, 97, 100.02, 100.06, 997, 998, 999, 1041, 1042	F&H

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. SP-0006-01(087)	
COUNTY : UNION / PONTOTOC	
DATE	FILENAME: di.dgn
DESIGN TEAM	F&H, Inc. CHECKED DATE
WORKING NUMBER	DI-1
SHEET NUMBER	2

10/16/2008 11:42 AM DI.DGN

DESCRIPTION OF SHEET

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SPECIAL DESIGN SHEETS (CONT.)

INTERSECTION DETAIL - NW & NE RAMP @ SR 9 & SR 178 @ SR 9	ID-1	79
FORM GRADE - US 78 & CD ROAD	FG-1	80
FORM GRADE - CD ROAD & NW RAMP	FG-2	81
FORM GRADE - CD ROAD & NW LOOP / NE LOOP	FG-3	82
SR 9 @ BLUE SPRINGS & NW LOOP / NE LOOP		
FORM GRADE - CD ROAD & NE RAMP	FG-4	83
FORM GRADE - US 78 & CD ROAD	FG-5	84
FORM GRADE - SR 9 @ BLUE SPRINGS & NW RAMP / NE RAMP	FG-6	85
FORM GRADE - SR 9 @ BLUE SPRINGS & EXISTING SR 178	FG-7	86
FORM GRADE - US 78 & SW RAMP	FG-8	87
PAVEMENT MARKINGS - US 78 (B.O.P. To Sta. 798+50)	PMD-1	88
PAVEMENT MARKINGS - US 78 (Sta. 798+50 To Sta. 810+00)	PMD-2	89
PAVEMENT MARKINGS - US 78 (Sta. 810+00 To Sta. 822 +50)	PMD-3	90
PAVEMENT MARKINGS - US 78 (Sta. 822 +50 To Sta. 834+50)	PMD-4	91
PAVEMENT MARKINGS - US 78 (Sta. 834+50 To Sta. 846+00)	PMD-5	92
PAVEMENT MARKINGS - US 78 (Sta. 846+00 To Sta. 858+00)	PMD-6	93
PAVEMENT MARKINGS - Blue Springs Road (Sta. 10+00 To Sta. 18+00)	PMD-6a	94
PAVEMENT MARKINGS - Blue Springs Road (Sta. 18+00 To Sta. 26+50)	PMD-6b	95
PAVEMENT MARKINGS - Blue Springs Road (Sta. 26+50 To Sta. 37+00)	PMD-6c	96
PAVEMENT MARKINGS - NW Ramp (Sta. 840+00 To Sta. 852+00) , SW Ramp (Sta. 143+00 to Blue Springs Rd.)	PMD-6d	97
PAVEMENT MARKINGS - CD Road (Sta. 846+00 To Sta. 858+00) & N.W. LOOP & N.E. LOOP	PMD-6e	98
PAVEMENT MARKINGS - NE Ramp (Sta. 851+50 To Sta. 863+00) & SE Ramp (Blue Springs Rd. To Sta. 17+00)	PMD-6f	99
PAVEMENT MARKINGS - US 78 (Sta. 858+00 To Sta. 869+00)	PMD-7	100
PAVEMENT MARKINGS - US 78 (Sta. 869+00 To Sta. 881+00)	PMD-8	100.01
PAVEMENT MARKINGS - US 78 (Sta. 881+00 To Sta. 893+00)	PMD-9	100.02
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (B.O.P. TO STA. 808+00)	PSP-1	100.03
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 808+00 TO STA. 838+00)	PSP-2	100.04
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 838+00 TO STA. 868+00)		
SR 9 @ BLUE SPRINGS (STA. 10+00 TO STA. 20+00)	PSP-3	100.05
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 838+00 TO STA. 868+00)		
SR 9 @ BLUE SPRINGS (STA. 20+00 TO STA. 33+50)	PSP-3a	100.06
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 868+00 TO STA. 898+00)	PSP-4	100.07
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 898+00 TO STA. 928+00)	PSP-5	100.08
PERMANENT SIGNING & DELINEATOR PLANS - US 78 (STA. 928+00 TO STA. 958+00)	PSP-6	100.09
OVERHEAD SIGN ASSEMBLY - NO. 1	SA-1	100.10
OVERHEAD SIGN ASSEMBLY - NO. 2	SA-2	100.11
DIRECTIONAL SIGN DETAILS	DSD-1	100.12
DIRECTIONAL SIGN DETAILS	DSD-2	100.13
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TRAFFIC SIGNAL INSTALLATION - WIRING DIAGRAM - SR 9 AT SW/SE RAMPS	TSI-2	100.15
TRAFFIC SIGNAL INSTALLATION - SIGNAL LAYOUT - SR 9 AT TOYOTA DR.	TSI-3	100.16
TRAFFIC SIGNAL INSTALLATION - WIRING DIAGRAM - SR 9 AT TOYOTA DR.	TSI-4	100.17
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES	TSD-1	100.18
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MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-4	100.21
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-5	100.22
FENCE LAYOUT - US 78 (B.O.P. TO STA. 811+00)	FNC-1	100.23
FENCE LAYOUT - US 78 (STA. 811+00 TO STA. 840+00)	FNC-2	100.24
FENCE LAYOUT - US 78 (STA. 840+00 TO STA. 871+00)	FNC-3	100.25
FENCE LAYOUT - US 78 (STA. 871+00 TO STA. 901+00)	FNC-4	100.26
FENCE LAYOUT - US 78 (STA. 901+00 TO STA. 930+00)	FNC-5	100.27
FENCE LAYOUT - US 78 (STA. 930+00 TO STA. 959+00)	FNC-6	100.28
FENCE LAYOUT - US 78 (STA. 959+00 TO STA. 988+00)	FNC-7	100.29
FENCE LAYOUT - US 78 (STA. 988+00 TO STA. 1018+00)	FNC-8	100.30
FENCE LAYOUT - US 78 (STA. 1018+00 TO STA. 1048+00)	FNC-9	100.31
FENCE LAYOUT - SR 9 @ SHERMAN	FNC-10	100.32

DESCRIPTION OF SHEET

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SPECIAL DESIGN SHEETS (CONT.)

VEGETATION SCHEDULE - GRADE, DRAIN, & PAVING	VS-1	100.33
SOURCE OF SURVEY CONTROL	SC-1	100.34
SOURCE OF SURVEY CONTROL	SC-2	100.35
SOURCE OF SURVEY CONTROL	SC-3	100.36
RIGHT OF WAY MARKER DETAIL	RW-1	100.37
RIGHT OF WAY MARKER COORDINATES	RWC	100.38
MISCELLANEOUS DETAILS - EDGE DRAIN DETAIL, CONCRETE APRON AND RODENT SCREEN	MD-1	100.39
MISCELLANEOUS DETAILS - EDGE DRAIN DETAIL FOR CLEANOUTS AND OUTLETS	MD-2	100.40
MISCELLANEOUS DETAILS - TYPICAL SECTION - UNDERDRAINS, SPECIAL DESIGN FOR INSTALLATION OF MEDIAN DRAINS WITH DOWNSPOUTS	MD-3	100.41
MISCELLANEOUS DETAILS - TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "D" SILT BASIN) RIP RAP DIKE SILT BASIN	MD-4	100.42
MISCELLANEOUS DETAILS - TYPICAL BENCH SECTION	MD-5	100.43
MISCELLANEOUS DETAILS - BOX CULVERT BENDING DETAIL HORIZONTAL AND VERTICAL	MD-6	100.44
MISCELLANEOUS DETAILS - MISCELLANEOUS CONSTRUCTION DETAILS	MD-7	100.45
MISCELLANEOUS DETAILS - DETAILS OF RUMBLE STRIPS (GROUND-IN)	MD-8	100.46
GUARDRAIL : BRIDGE END SECTION TYPE "I" (WOOD POSTS)	SDGR-2F	100.47
GUARDRAIL : BRIDGE END SECTION TYPE "I" (STEEL POSTS)	SDGR-2G	100.48
GUARDRAIL : RUB RAIL HARDWARE SHEET	SDGR-RR	100.49
32" BRIDGE END PAVEMENT RAIL	BEPR-32	100.50
42" BRIDGE END PAVEMENT RAIL	BEPR-42	100.51
BRIDGE END PAVEMENT WITH RAIL	BE-1A	100.52
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)	SDTCP-4	100.53

08/15/2008 08:37:50 DI.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
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PROJECT NO. SP-0006-01(087)			WORKING NUMBER
COUNTY : UNION / PONTOTOC			DI-2
DATE	FILENAME:	di.dgn	SHEET NUMBER
DESIGN TEAM	F&H, Inc.	CHECKED	DATE
			3

DESCRIPTION OF SHEET

REVISION DATE WKG. NO. SH. NO.

STANDARD DRAWINGS – ROADWAY SHEETS (74)

PAVEMENT

BRIDGE END PAVEMENT

BE-1 107

PAVEMENT MARKING

PAVEMENT MARKING DETAILS FOR 2 LANE & 4-LANE DIVIDED ROADWAYS
 PAVEMENT MARKING DETAILS FOR 4-LANE & 5-LANE UNDIVIDED ROADWAYS
 PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMP (PARALLEL AND TAPER)
 PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMP (PARALLEL AND TAPER)
 PAVEMENT MARKING LEGEND DETAILS

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 12-01-99 PM-2 121
 12-01-99 PM-3 122
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EROSION CONTROL

EROSION CONTROL
 TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, & BRUSH BARRIER)
 TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)
 DETAILS OF TYPICAL DITCH TREATMENT

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 FENCE: WOVEN WIRE CONCRETE POSTS
 FENCE : TYPICAL INSTALLATION AT DRAINAGE STRUCTURES
 FENCE : TYPICAL INSTALLATION AT DITCH CROSSINGS & FENCE ENDINGS

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GUARDRAIL: "W" BEAM (WOOD POSTS)
 GUARDRAIL: THRIE BEAM (WOOD POSTS)
 GUARDRAIL: "W" BEAM (STEEL POSTS)
 GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)
 GUARDRAIL : TY 1 CABLE ANCHORAGE (CONCRETE FOOTING)
 GUARDRAIL : TY 1 CABLE ANCHORAGE (FOUNDATION TUBE)
 GUARDRAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAY
 GUARDRAIL : MISCELLANEOUS HARDWARE

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 3-01-02 GR-1B 182
 3-01-02 GR-1C 183
 3-01-02 GR-3 192
 3-01-02 GR-3A 193
 12-01-99 GR-4 194
 3-01-02 GR-HW 202

MEDIAN BARRIER : CONCRETE (CAST IN PLACE)
 MEDIAN BARRIER : CONCRETE (PRECAST)

MB-2 204
 MB-2A 205

SIGNING

STANDARD DIRECTIONAL (GUIDE) SIGNS
 ROUTE SHIELDS AND "EXIT ONLY" PANELS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGN ASSEMBLY INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY INSTALLATION
 TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS
 BREAKAWAY SIGN SUPPORTS
 BREAKAWAY SIGN SUPPORTS
 BREAKAWAY SIGN SUPPORTS
 SIGN FACE CONST. & ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)
 TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS
 TYPICAL INSTALLATION OF DELINEATORS
 TYPICAL CROSSOVER DELINEATION
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STANDARD DRAWINGS – ROADWAY SHEETS (CONT.)

TRAFFIC CONTROL PLANS

TRAFFIC CONTROL PLAN WITH FLAGGER
 (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)

TCP-1 250

TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH
 (4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)

TCP-5 254

SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS

TCP-8 257

HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS

TCP-10 259

TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS

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DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMP

TCP-12 261

TRAFFIC CONTROL PLANS: UNEVEN PAVEMENT DETAILS

TCP-14 263

TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS

TCP-15 264

MISCELLANEOUS ROADWAY DETAILS

TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS
 SIGHT FLARE
 SUPERELEVATION TRANSITION CASE 1 ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)
 INTERCHANGE DESIGN FOR HIGH - SPEED TAPERED EXIT RAMP
 INTERCHANGE DESIGN FOR LOOP ENTRANCE RAMP
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GENERAL NOTES

- ① FOR A LIST OF PUBLIC UTILITY OWNERS, SEE WK. SH. 3. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF SURVEY. THE ENGINEER CANNOT 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.
- ② THE LOCATION AND SPACING OF SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS. ALL SIGNS SHALL BE SPACED A MINIMUM OF 250 FEET APART WHERE POSSIBLE. THE ACTUAL LOCATION OF SIGNS WILL BE AS DIRECTED BY THE ENGINEER.
- ③ A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT THE 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.
- ④ THE 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- ⑤ 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 SHALL 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.
- ⑥ EROSION CHECKS: QUANTITY ESTIMATED ON THE BASIS OF 4 BALES PER EVERY 25 TO 100 LIN. FT. OF DITCH AND 4 BALES AT EACH PIPE OUTLET. THIS IS REQUIRED AS A TEMPORARY EROSION CONTROL MEASURE TO MINIMIZE SILTATION UNTIL PERMANENT MEASURES ARE 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.)
- ⑦ VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED WITH GRANULAR MATERIAL OR TOPSOIL AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE BACKFILL MATERIAL IS NOT A SEPARATE PAY ITEM.
- ⑧ WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE VICINITY OF TRAFFIC. 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 ANY 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 OTHER CONTRACT ITEMS. THE DESIGN SHALL BE PROVIDED BY A LICENSED P.E. AND SUBMITTED TO MDOT FOR APPROVAL.
- ⑨ 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.
- ⑩ FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS (SEE WK. NO. ICJ-1 FOR DETAILS). A CONCRETE COLLAR (WK. NO. PC-1) IS REQ'D. ON ALL PIPE EXTENSIONS.
- ⑪ PRIOR TO POURING PAVED ISLANDS THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT SIGNS REQUIRED IN ISLANDS CAN BE LOCATED.
- ⑫ ALL EXISTING CULVERT PIPES OR OTHER OBSTRUCTIONS WHICH CONFLICT WITH THE REQUIRED CONSTRUCTION SHALL BE REMOVED. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE, SHALL BE PLUGGED USING 631 A FLOWABLE FILL.
- ⑬ ALL PROPOSED PAVEMENT MARKINGS, GUARDRAIL, AND PERMANENT SIGNING SHALL BE INSTALLED BEFORE OPENING THE NEW FACILITY TO TRAFFIC, UNLESS DIRECTED AND SPECIFICALLY APPROVED OTHERWISE BY THE ENGINEER.
- ⑭ EXISTING DRAIN PIPES, CULVERTS, CROSS DRAINS, AND OTHER DRAINAGE STRUCTURES THAT ARE TO REMAIN SHALL BE CLEANED OF SILT, TRASH, AND DEBRIS SATISFACTORILY TO THE ENGINEER. ALL COSTS OF SAID CLEANING WILL BE CONSIDERED SUBSIDIARY TO THE CONTRACT AND WILL NOT BE MEASURED AND PAID FOR DIRECTLY.

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GENERAL NOTES – CONTINUED

- ⑮ ALL EXCAVATION FOR THE SIGN POSTS OR FOOTINGS IS TO BE INCLUDED IN THE COST FOR OTHER ITEMS BID FOR CONSTRUCTION.
- ⑯ ALL POST, PIPE, AND I-BEAM LENGTHS ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIELD SURVEY TO DETERMINE THE EXACT LENGTH REQUIRED.
- ⑰ DIRECT APPLIED LEGEND, BORDERS, AND SHIELD ARE TO BE USED ON ALL GUIDE SIGNS. RIVETS WILL NOT BE ALLOWED.
- ⑱ ERECTION DATES ARE TO BE LEGIBLY WRITTEN ON THE BACK OF ALL SIGNS WITH PERMANENT MARKER.
- ⑲ EXISTING GROUND MOUNTED SIGNS DESIGNATED IN THE PLANS TO BE RELOCATED, SHALL BE ERECTED ON NEW SUPPORTS. ANY SIGN PANELS THAT BECOME DAMAGED PRIOR TO OR DURING RELOCATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. ALL EXISTING SIGNS AND SUPPORTS REMOVED AND NOT USED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ⑳ SEE WK. NO. PSP-1 FOR ADDITIONAL GENERAL NOTES REGARDING PERMANENT SIGNS AND WK. NO. TC-1 FOR GENERAL NOTES REGARDING TRAFFIC CONTROL.
- ㉑ ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) (2003 EDITION AND ALL SUBSEQUENT REVISIONS).
- ㉒ ALL POLES, PULL BOXES, CONTROLLERS AND PAVEMENT MARKINGS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.
- ㉓ ALL RAISED OBJECTS TO BE PLACED A MINIMUM OF 2.5 FT. BEHIND FACE OF CURB. NEW TRAFFIC SIGNAL POLES TO BE PLACED A MINIMUM OF 6 FT. BEHIND FACE OF CURB EXCEPT WHERE IN CONFLICT WITH UTILITIES OR RIGHT-OF-WAY.
- ㉔ ALL SIGNAL MAST ARMS AND POLES SHALL BE GALVANIZED STEEL. PRIOR TO ORDERING THE POLES, THE CONTRACTOR WILL VERIFY THE MAST ARM POLE LOCATIONS TO ENSURE THERE ARE NO CONFLICTS WITH UTILITIES OR OTHER ITEMS.
- ㉕ SIGNAL CONTROLLER TIMINGS ARE TO BE PROVIDED BY THE ENGINEER.
- ㉖ SPECIFICATIONS FOR SIGNAL SHALL BE THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
- ㉗ TRAFFIC SIGNAL CABLE IN MAST ARMS TO BE MEASURED AND PAID FOR AS ELECTRICAL CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG # 14, 7 CONDUCTOR, (PAY ITEM 666-B).
- ㉘ SEE WK. NO. TSD-1 FOR ADDITIONAL GENERAL NOTES REGARDING TRAFFIC SIGNALS.
- ㉙ THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH UTILITY OFFICIALS, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE AND INCIDENTALS NECESSARY FOR SUPPLY OF POWER. COST SHALL BE ABSORBED IN OTHER ITEMS OF CONSTRUCTION.
- ㉚ REMOVAL OF CONCRETE ISLAND PAVEMENT SHALL BE INCLUDED IN PAY ITEM 202-B.
- ㉛ SAW CUTS ARE REQUIRED FOR CONCRETE REMOVAL.
- ㉜ WHERE MILLING OF THE ROADWAY LANE IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER.
- ㉝ THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM MEASUREMENT. 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. THE CONTRACTOR WILL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
- ㉞ ALL REGRADING NEEDED PRIOR TO CONSTRUCTING THE BRIDGE SLOPE PAVING AT THE BLUE SPRINGS INTERCHANGE, SHALL BE ABSORBED IN THE COST OF ITEM 815-D CONCRETE SLOPE PAVING.
- ㉟ FIBER BOARD SHALL BE PLACED AROUND ALL EXISTING AND PROPOSED BRIDGE PIERS PRIOR TO THE PLACEMENT OF THE CONCRETE SLOPE PAVING AT THE BLUE SPRINGS INTERCHANGE.
- ㊱ SITE GRADING AT THE BLUE SPRINGS INTERCHANGE SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER. ALL COSTS IS TO BE ABSORBED IN OTHER BID ITEMS.
- ㊲ TRAFFIC SIGNAL HEADS SHALL BE BLACK IN COLOR.
- ㊳ TRAFFIC SIGNAL POLES SHALL BE DESIGNED IN ACCORDANCE WITH THE 2001 AASHTO SPECIFICATION. 90 M.P.H. SHALL BE USED FOR THE DESIGN WIND SPEED. ICE LOADS WILL BE CONSIDERED. GALLOPING AND TRUCK GUSTS SHALL NOT BE CONSIDERED. FATIGUE CATEGORY IS II. DESIGN LIFE IS 50 YEARS.
- ㊴ THE FENCE LOCATION AS SHOWN ON THE PLANS IS APPROXIMATE, THE ACTUAL LOCATION WILL BE DETERMINED BY THE ENGINEER PRIOR TO CONSTRUCTING THE FENCE.

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