

**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)**

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

104969 / 304000  
104969 / 305000

① 01-08-08  
RE: ① 08-22-08

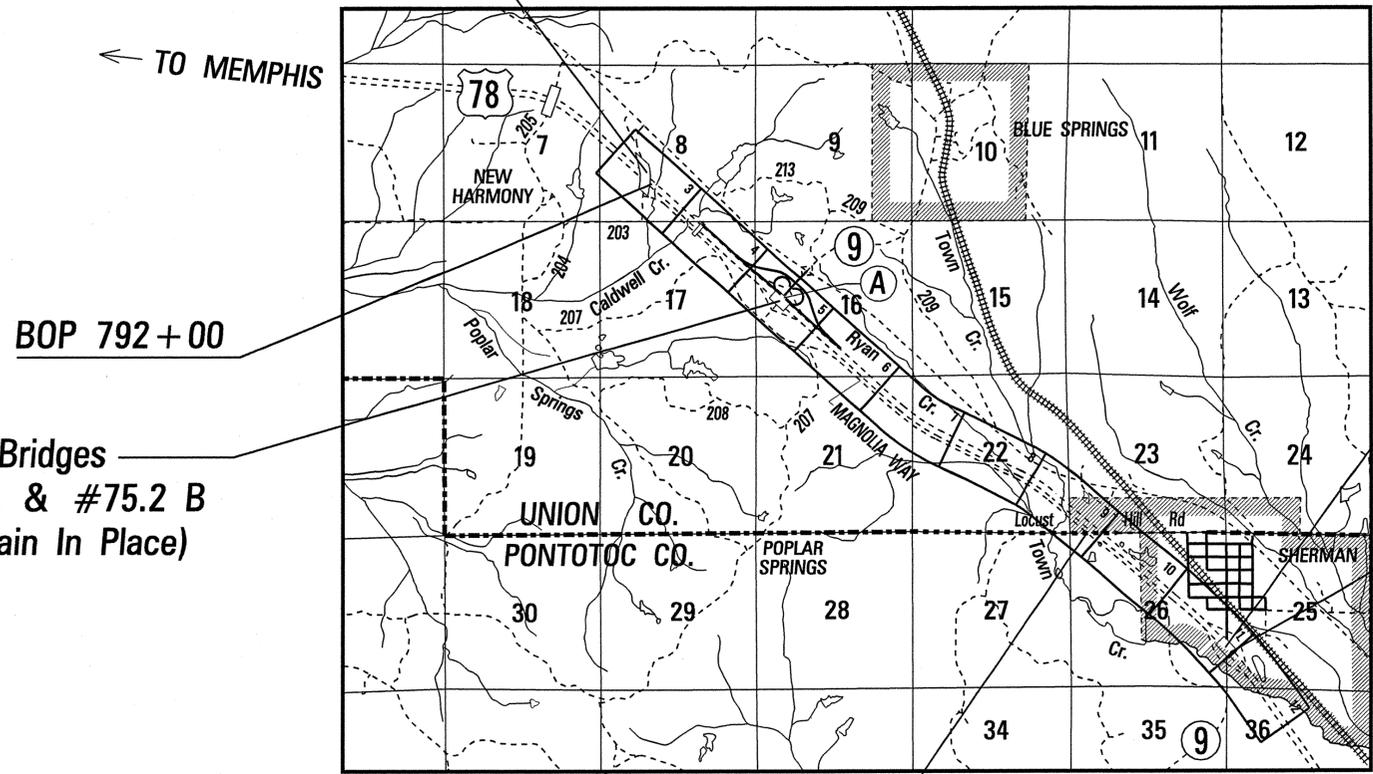
**BRIDGE STRUCTURES REQUIRED**

- Ⓐ 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**

<b>PLAN</b>	1 IN. = 100 FT.
<b>PROFILE</b>	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
<b>LAYOUT MAP</b>	1 IN. = 3000 FT.



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**

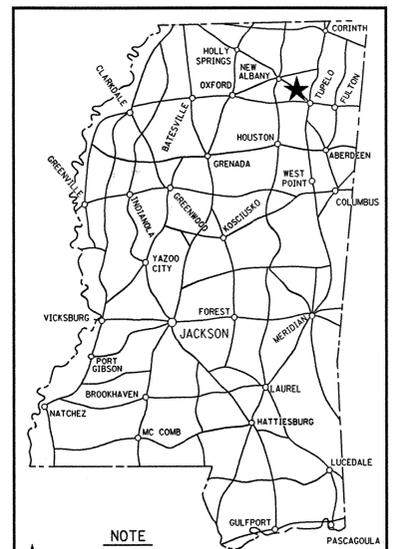
	UNION COUNTY		PONTOTOC COUNTY		TOTAL PROJECT	
LENGTH OF ROADWAY	19,367.10 FT.	3,668 MI.	8,288.87 FT.	1,570 MI.	27,655.97 FT.	5,238 MI.
① LENGTH OF BRIDGES	① 0.00 FT.	0.000 MI.	0.00 FT.	0.000 MI.	① 0.00 FT.	0.000 MI.
LENGTH OF PROJECT (NET)	19,367.10 FT.	3,668 MI.	8,288.87 FT.	1,570 MI.	27,655.97 FT.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

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



NOTE  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 34°22'26" LONG. 88°52'25"  
(APPROX. MIDDLE OF PROJECT)

**DESIGN CONTROL**

50 MPH = V (CD SPEED DESIGN)
ADT (2010) = 3400 ; ADT (2030) = 6900
DHV = 1000 ; D = 99 % T = 5 %

**PERMITS ACQUIRED BY MDOT**

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 MDOT (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

**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**



FLORENCE & HUTCHESON, INC. SURVEY & ROADWAY DESIGN  
FLORENCE & HUTCHESON, INC. BRIDGE DESIGN

APPROVED:	<i>Mark A. North</i>	8/22/08
CHIEF ENGINEER		DATE
EXECUTIVE DIRECTOR	<i>Randy R. Brown</i>	8/22/08
		DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:		
DIVISION ADMINISTRATOR		DATE
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		



**DESCRIPTION OF SHEET**

**REVISION DATE**  
**WKG. NO.**  
**SH. NO.**

**DESCRIPTION OF SHEET**

**REVISION DATE**  
**WKG. NO.**  
**SH. NO.**

**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
TRAFFIC SIGNAL INSTALLATION - SIGNAL LAYOUT - SR 9 AT SW/SE RAMPS	TSI-1	100.14
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
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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

**SPECIAL DESIGN SHEETS (CONT.)**

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MISCELLANEOUS DETAILS - TYPICAL SECTION - UNDERDRAINS, SPECIAL DESIGN FOR INSTALLATION OF MEDIAN DRAINS WITH DOWNSPOUTS	MD-3	100.41
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GUARDRAIL : RUB RAIL HARDWARE SHEET	SDGR-RR	100.49
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
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COUNTY : UNION / PONTOTOC			DI-2
DATE	FILENAME:	di.dgn	SHEET NUMBER
DESIGN TEAM	F&H, Inc.	CHECKED	DATE
			3

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

DESCRIPTION OF SHEET

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STANDARD DRAWINGS – ROADWAY SHEETS (74)

PAVEMENT

BRIDGE END PAVEMENT

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PAVEMENT MARKING

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 PAVEMENT MARKING DETAILS FOR 4-LANE & 5-LANE UNDIVIDED ROADWAYS  
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EROSION CONTROL

EROSION CONTROL  
 TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, & BRUSH BARRIER)  
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 GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)  
 GUARDRAIL : TY 1 CABLE ANCHORAGE (CONCRETE FOOTING)  
 GUARDRAIL : TY 1 CABLE ANCHORAGE (FOUNDATION TUBE)  
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 3-01-02    GR-3    192  
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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  
 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)  
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TRAFFIC CONTROL PLAN WITH FLAGGER  
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
<b>DETAILED INDEX</b>			
PROJECT NO. SP-0006-01(087)			WORKING NUMBER
COUNTY : UNION / PONTOTOC			DI-3
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DESIGN TEAM	F&H, Inc.	CHECKED	DATE
			4

DESCRIPTION OF SHEET

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DESCRIPTION OF SHEET

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**STANDARD DRAWINGS – ROADWAY SHEETS (CONT.)**

DRAINAGE (CONT.)

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BOX CULVERT DRAWING – 45 DEG. SKEW DETAILS – WINGS WITH 3:1 SLOPE – SINGLE & DOUBLE CELL CULVERTS	ISK-45-3W	403.2

**CROSS SECTIONS (147)**

US 78	901 – 935
CD ROAD	936 – 971
NW RAMP	972 – 982
NW LOOP	983 – 992
SR9 @ BLUE SPRINGS	993 – 999
NE RAMP	1000 – 1010
NE LOOP	1011 – 1020
SW RAMP	1021 – 1028
SE RAMP	1029 – 1032
CULVERT DRAINAGE SECTIONS	1033 – 1047

**TOTAL SHEETS**

405

08/15/2008 08:37:51 DI.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
<b>DETAILED INDEX</b>			
PROJECT NO. SP-0006-01(087)			WORKING NUMBER
COUNTY : UNION / PONTOTOC			DI-4
DATE	FILENAME:	di.dgn	SHEET NUMBER
DESIGN TEAM	F&H, Inc.	CHECKED	DATE
			5



# 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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MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
<b>GENERAL NOTES</b>			
PROJECT NO. SP-0006-01(087) COUNTY : UNION /PONTOTOC			WORKING NUMBER GN-2
DATE	FILENAME: gn-2.dgn	DESIGN TEAM F&H, Inc.	CHECKED
			SHEET NUMBER 7