GENERAL INDEX

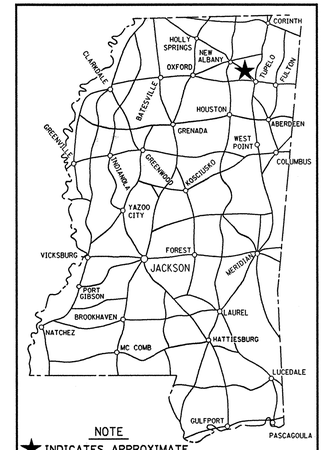
FOR DETAILED INDEX OF PLANS, SEE SHEET No. 2, 3, 4, & 5

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

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)

01-08-08
RE: 08-22-08

104969 /304000
104969 /305000

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

SCALES

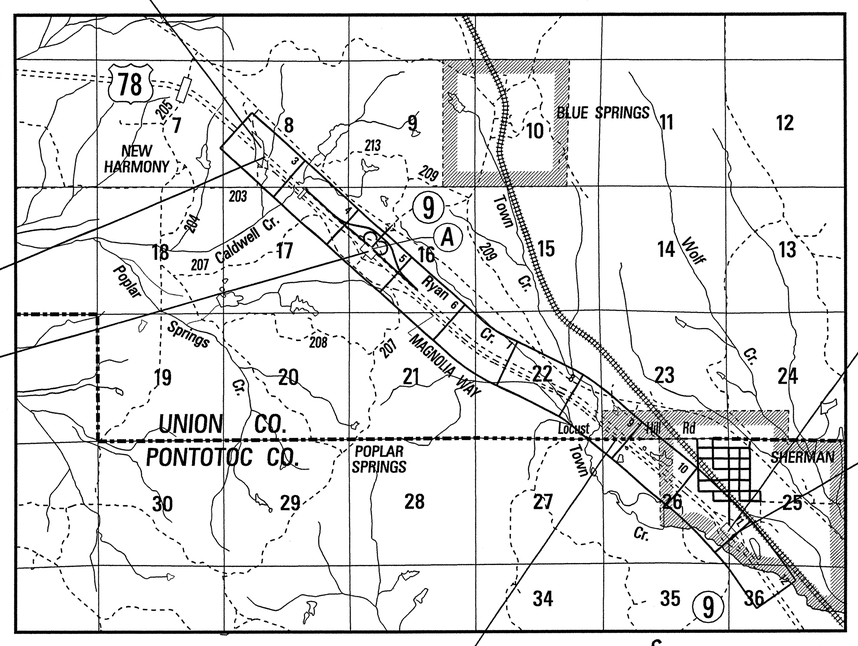
PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT MAP		1 IN. = 3000 FT.

BRIDGE STRUCTURES REQUIRED

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

BOX BRIDGES REQUIRED

NONE



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.

EXCEPTIONS

NONE

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.

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	Y	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

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

STORMWATER PERMIT [Y]

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +)(NTB 586)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 14)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: JCR DATE: 08/22/08

ACCESS CONTROL

NOTES:

1. 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.
2. 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).

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CONVENTIONAL SYMBOLS

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

DANNY H. WALKER, REGISTERED PROFESSIONAL ENGINEER, 7983, 8-21-08, STATE OF MISSISSIPPI

FLORENCE & HUTCHESON, INC.
SURVEY & ROADWAY DESIGN

STEPHEN S. PUTNAM, REGISTERED PROFESSIONAL ENGINEER, 16968, 8/15/08, STATE OF MISSISSIPPI

FLORENCE & HUTCHESON, INC.
BRIDGE DESIGN

REVISIONS	BY

APPROVED: CHIEF ENGINEER — DATE 8/22/08

EXECUTIVE DIRECTOR — DATE 8/22/08

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

ROADWAY/BRIDGE DESIGN SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLAN TITLE
8/14/2008 1:59 PM TITLE CONST.DGN

STATE	PROJECT NO.
MISS.	SP-0006-01(087)

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
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DETAILED INDEX		DI–2	3
DETAILED INDEX		DI–3	4
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US 78		TS–2	9
US 78		TS–3	10
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CHANNELIZED INTERSECTION (SR9 /SR178 @ BLUE SPRINGS)		TS–8	15
CHANNELIZED INTERSECTIONS (INTERCHANGE RAMPS @ BLUE SPRINGS)		TS–9	16
MAINLINE CONCRETE US 78 AREAS		TS–10	17
GUARDRAIL AT BRIDGE		TS–11	18
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MAINTENANCE OF TRAFFIC		TS–13	20
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SUMMARY OF QUANTITIES – (ROADWAY)		SQ–2	23
SUMMARY OF QUANTITIES – (ROADWAY)		SQ–3	24
SUMMARY OF QUANTITIES – (ROADWAY)		SQ–4	25
SUMMARY OF QUANTITIES – (ROADWAY)		SQ–5	26
SUMMARY OF QUANTITIES – (BRIDGE ITEMS)		SQ–6	27
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ESTIMATED QUANTITIES – (ROADWAY)		EQ–6	33
ESTIMATED QUANTITIES – (ROADWAY)		EQ–7	34
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ESTIMATED QUANTITIES – (ROADWAY)		EQ–9	36
ESTIMATED QUANTITIES – (ROADWAY)		EQ–10	37
ESTIMATED QUANTITIES – (ROADWAY)		EQ–11	38
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US 78 (STA. 807+00 TO STA. 837+00)		4	44
US 78 PLAN (STA. 837+00 TO STA. 867+00)		5	45
US 78 PROFILE (STA. 837+00 TO STA. 867+00)		5A	46
INTERCHANGE LAYOUT SR 9 @ BLUE SPRINGS		5B	47
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CD ROAD (STA. 806+00 TO STA. 836+00)		5E	50
CD ROAD (STA. 836+00 TO STA. 866+00)		5F	51
CD ROAD (STA. 866+00 TO 890+75.85)		5G	52
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NW LOOP @ BLUE SPRINGS		5i	54
NE RAMP @ BLUE SPRINGS		5J	55
NE LOOP @ BLUE SPRINGS		5K	56
SW RAMP @ BLUE SPRINGS		5L	57
SE RAMP @ BLUE SPRINGS		5M	58
US 78 (STA. 867+00 TO STA. 897+00)		6	59
US 78 (STA. 897+00 TO STA. 927+00)		7	60
US 78 (STA. 927+00 TO STA. 957+00)		8	61
US 78 (STA. 957+00 TO STA. 987+00)		9	62
US 78 (STA. 987+00 TO STA. 1017+00)		10	63
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SPEEDING FINES DOUBLED DETAIL		SSD–1	78

FLORENCE & HUTCHESON, INC.		
PS & E PLANS: 08/22/08		
FMS CONST. No. 104969 /304000 & 104969 /305000		
REVISIONS		
	SHEET NO.	BY

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DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. SP–0006–01(087)
COUNTY : UNION / PONTOTOC

WORKING NUMBER: DI–1

SHEET NUMBER: 2

FILENAME: di.dgn

DESIGN TEAM F&H, Inc. CHECKED DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

08/15/2008 08:37:49 01.DGN

STATE	PROJECT NO.
MISS.	SP-0006-01(087)

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FORM GRADE – CD ROAD & NW RAMP		FG–2	81
FORM GRADE – CD ROAD & NW LOOP / NE LOOP SR 9 @ BLUE SPRINGS & NW LOOP / NE LOOP		FG–3	82
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
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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
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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
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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
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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
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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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
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MISCELLANEOUS DETAILS – TYPICAL BENCH SECTION		MD–5	100.43
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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
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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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

REVISION | BY | DATE

PROJECT NO. SP–0006–01(087)
COUNTY : UNION / PONTOTOC

WORKING NUMBER: DI–2

FILENAME: di.dgn
DESIGN TEAM F&H, Inc. CHECKED DATE

SHEET NUMBER: 3

PLAN: ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

STATE	PROJECT NO.
MISS.	SP-0006-01(087)

STANDARD DRAWINGS – ROADWAY SHEETS (74)

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EROSION CONTROL		EC–1	140
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GUARDRAIL : TY 1 CABLE ANCHORAGE (FOUNDATION TUBE)	3–01–02	GR–3A	193
GUARDRAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAY	12–01–99	GR–4	194
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STANDARD DRAWINGS – ROADWAY SHEETS (CONT.)

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DRAINAGE (CONT.)

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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

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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 MEASURMENT. 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.

(38) 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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