

GENERAL INDEX

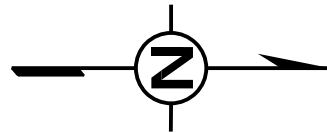
INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" type="checkbox"/> PERMANENT SIGNS .....	1001
<input type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input type="checkbox"/> ITS COMPONENTS .....	3001
<input type="checkbox"/> LIGHTING .....	4001
<input type="checkbox"/> (RESERVED) .....	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input checked="" type="checkbox"/> BRIDGE STANDARD DWGS .....	7001
<input checked="" type="checkbox"/> BRIDGE .....	8001
<input checked="" type="checkbox"/> CROSS SECTIONS .....	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
FEDERAL AID PROJECT NO. BR-0914-00(008)

REPLACE BRIDGES 8.4, 8.5, 8.7, 12.0, 12.8, 13.0 ON SR 309 BETWEEN SR 4 AND U.S. 78  
MARSHALL COUNTY



SCALES

PLAN	1 IN. = 100 FT.
PROFILE {	1 IN. = 100 FT.
HOR.	1 IN. = 10 FT.
VERT.	1 IN. = 5280 FT.
LAYOUT	1 IN. = 5280 FT.

FMS CONSTRUCTION# 100299 /302000

BRIDGE STRUCTURES REQ'D.

SITE 1  
BRIDGE A  
STA. 824 + 78.88 TO STA. 830 + 59.13  
SPANS: 2@110', 1@138', 2@110'  
LENGTH = 580.25'

BRIDGE B  
STA. 833 + 34.21 TO STA. 835 + 75.79  
SPANS: 3@40', 1@80', 1@40'  
LENGTH = 241.58'

BRIDGE C  
STA. 840 + 89.21 TO STA. 843 + 30.79  
SPANS: 6 @ 40'  
LENGTH = 241.58'

SITE 3  
BRIDGE D  
STA. 98 + 78.70 TO STA. 101 + 79.30  
SPANS: 1@80', 1@138', 1@80'  
LENGTH = 300.60'

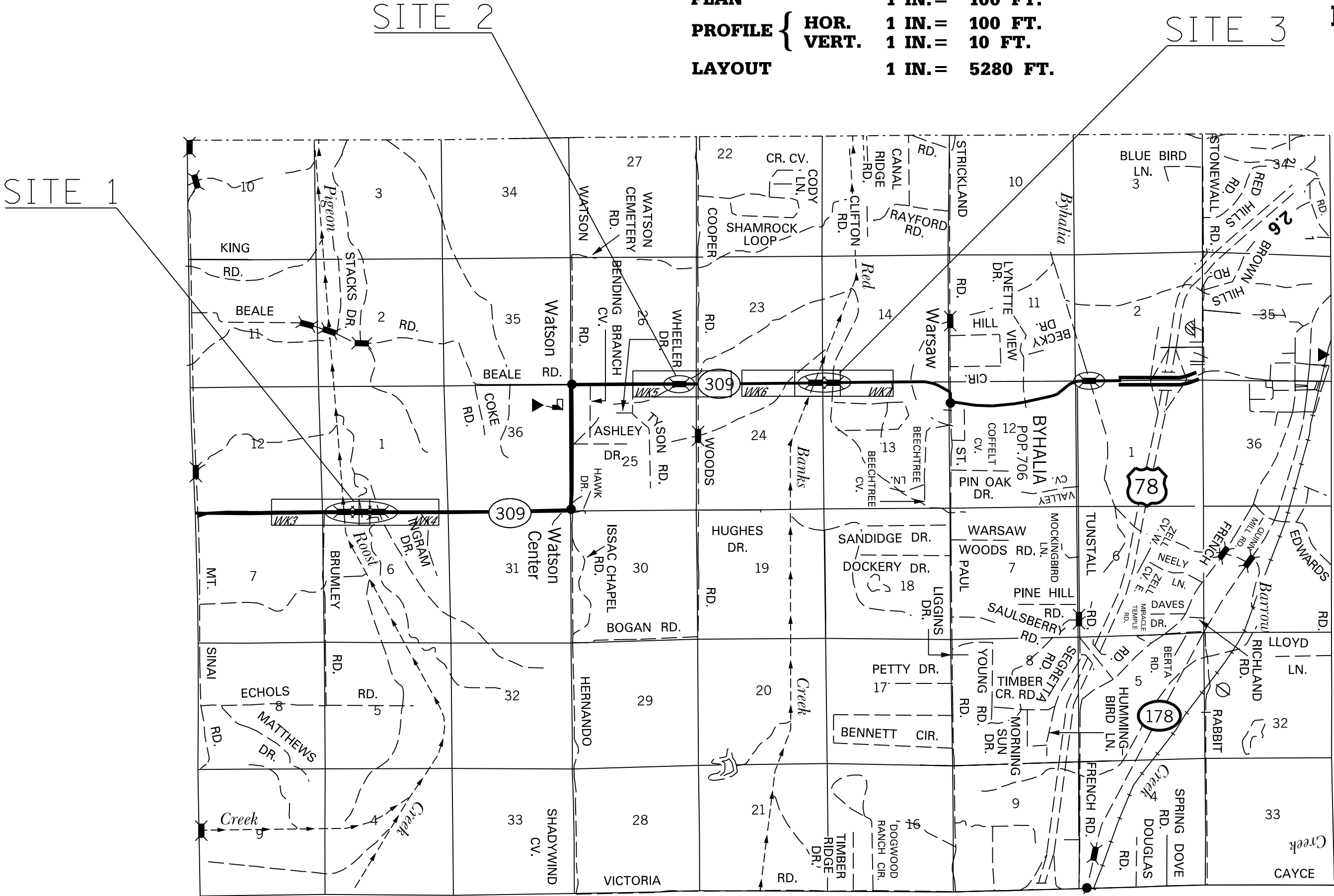
BRIDGE E  
STA. 109 + 73.76 TO STA. 114 + 86.24  
SPANS: 2@95', 1@130', 2@95'  
LENGTH = 512.48'

BOX BRIDGES REQ'D.

SITE 2  
STA. 55 + 50  
LENGTH = 120.9' - 16' X 6' R.C.  
BOX CULVERT  
SKEWED 45° LT.FWD.  
2 - 3:1 WINGWALLS REQ'D.

CONVENTIONAL SYMBOLS

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



EQUATIONS

SITE 3  
STA. 133 + 13.368 BK =  
STA. 132 + 98.916 AH

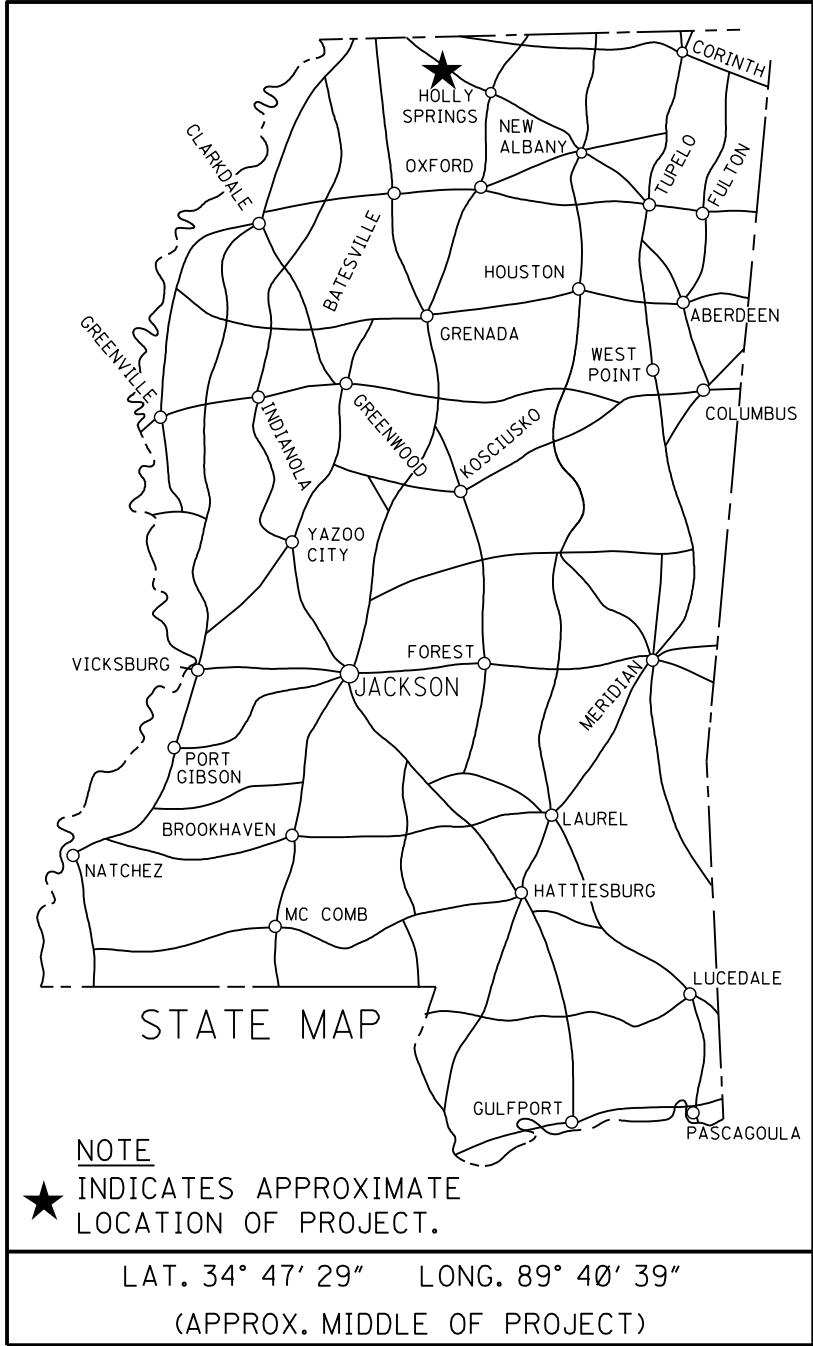
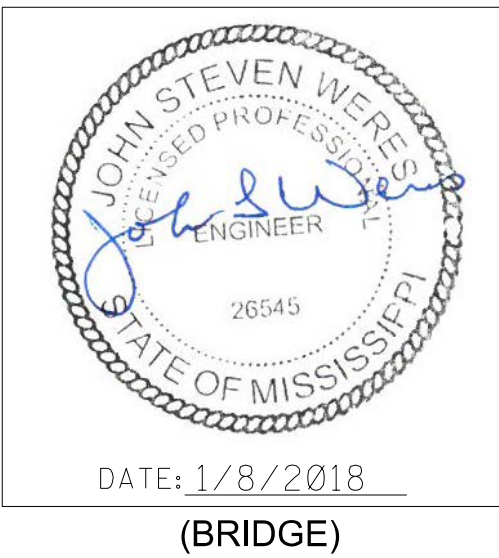
LENGTH DATA

	SITE 1 BR. # 8.4, 8.5, 8.7		SITE 2		SITE 3 BR. # 12.8, 13.0
LENGTH OF ROADWAY	4655.780 FT.	0.882 MI.	1452.995 FT.	0.275 MI.	4466.551 FT.
LENGTH OF BRIDGES	1063.410 FT.	0.201 MI.	FT.	0.000 MI.	813.080 FT.
LENGTH OF PROJECT (NET)		1.083 MI.		0.275 MI.	
LENGTH OF EXCEPTIONS	FT.	0.000 MI.	FT.	0.000 MI.	FT.
LENGTH OF PROJECT (GROSS)		1.083 MI.		0.275 MI.	

EXCEPTIONS

NONE

DATE: 1/8/2018  
(ROADWAY)



DESIGN CONTROL
55 MPH = V (SPEED DESIGN)
ADT (2018) = 8000 : ADT (2038) = 12000
DHV = 1400 : D = 60 % T = 5 %

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS		
	WATERS	WETLANDS
NATIONWIDE #14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NATIONWIDE (OTHER)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GENERAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INDIVIDUAL (404)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
STORMWATER PERMIT <input checked="" type="checkbox"/>		
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA=5 ACRES)	
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)	
APPROVED BY: _____		

P S & E DATE: 1/8/2018

APPROVED:	
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER	
EXECUTIVE DIRECTOR	





STATE	PROJECT NO.
MISS.	BR-0914-00(008)

ROADWAY

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (4)

DETAILED INDEX (ROADWAY)  
DETAILED INDEX (ROADWAY)  
GENERAL NOTES  
GENERAL NOTES

TITLE 1  
  
DI-1 2  
DI-2 3  
GN-1 4  
GN-2 5

TYPICAL SECTION SHEETS (4)

TYPICAL SECTION - NEW CONSTRUCTION, WIDENING, & OVERLAY  
TYPICAL SECTION - TRENCH WIDENING & DETOUR ROAD  
TYPICAL SECTION - LOCAL ROAD & BRIDGE CONSTRUCTION  
TYPICAL SECTION - CONSTRUCTION & REMOVAL OF REALIGNMENT & DETOUR

TS-1 6  
TS-2 7  
TS-3 8  
TS-4 9

QUANTITY SHEETS (14)

SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES  
ESTIMATED QUANTITIES - REMOVAL  
ESTIMATED QUANTITIES - EARTHWORKS  
ESTIMATED QUANTITIES - EROSION CONTROL  
ESTIMATED QUANTITIES - BRIDGE END PAVEMENT, GUARDRAIL  
ESTIMATED QUANTITIES - BOX CULVERT & DRAINAGE SUMMARY  
ESTIMATED QUANTITIES - DRIVEWAYS & SIDE DRAINS  
ESTIMATED QUANTITIES - TRAFFIC CONTROL  
ESTIMATED QUANTITIES - PAVEMENT MARKINGS  
ESTIMATED QUANTITIES - SIGNS & DELINEATORS  
ESTIMATED QUANTITIES - SIGN ASSEMBLIES  
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS

SQ-1 10  
SQ-2 11  
SQ-3 12  
EQ-1 13  
EQ-2 14  
EQ-3 15  
EQ-4 16  
EQ-5 17  
EQ-6 18  
EQ-7 19  
EQ-8 20  
EQ-9 21  
EQ-10 22  
EQ-11 23

PLAN AND PROFILE SHEETS (7)

SR 309 SITE 1 - B.O.P. TO STA. 839+00  
BRUMLEY RD. SITE 1 - STA. 0+00 TO STA. 4+27  
SR 309 SITE 1 - STA. 839+00 TO STA. 860+98  
SR 309 SITE 2 - STA. 48+00 TO STA. 62+00  
SR 309 SITE 2 DETOUR - STA. 10+00 TO STA. 23+00  
SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
SR 309 SITE 3 - STA. 111+00 TO E.O.P.

3 24  
3A 25  
4 26  
5 27  
5A 28  
6 29  
7 30

EROSION CONTROL PLAN SHEETS (7)

EROSION CONTROL PLAN - SR 309 SITE 1 - B.O.P. TO STA. 839+00  
EROSION CONTROL PLAN - BRUMLEY RD. SITE 1 - STA. 0+00 TO STA. 4+27  
EROSION CONTROL PLAN - SR 309 SITE 1 - STA. 839+00 TO STA. 860+98  
EROSION CONTROL PLAN - SR 309 SITE 2 - STA. 48+00 TO STA. 62+00  
EROSION CONTROL PLAN - SR 309 SITE 2 DETOUR - STA. 10+00 TO STA. 23+00  
EROSION CONTROL PLAN - SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
EROSION CONTROL PLAN - SR 309 SITE 3 - STA. 111+00 TO STA. E.O.P.

ECP-3 31  
ECP-3A 32  
ECP-4 33  
ECP-5 34  
ECP-5A 35  
ECP-6 36  
ECP-7 37

CONSTRUCTION SIGNING SHEET (3)

CONSTRUCTION SIGNING LAYOUT  
CONSTRUCTION SIGNING LAYOUT  
CONSTRUCTION SIGNING LAYOUT

CS-1 38  
CS-2 39  
CS-3 40

TRAFFIC CONTROL SHEETS (17)

TRAFFIC CONTROL CONSTRUCTION PHASING NOTES  
TRAFFIC CONTROL GENERAL NOTES  
TRAFFIC CONTROL PLAN - PHASE 1 CONSTRUCTION - SR 309 SITE 1 - B.O.P. TO STA. 838+00  
TRAFFIC CONTROL PLAN - PHASE 1 CONSTRUCTION - SR 309 SITE 1 - STA. 838+00 TO STA. 860+00  
TRAFFIC CONTROL PLAN - PHASE 1 CONSTRUCTION - SR 309 SITE 2 - STA. 48+00 TO STA. 62+00

TC-GN1 41  
TC-GN2 42  
TC-1 43  
TC-2 44  
TC-3 45

TRAFFIC CONTROL SHEETS (CONTINUED)

TRAFFIC CONTROL PLAN - PHASE 1 CONSTRUCTION - SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
TRAFFIC CONTROL PLAN - PHASE 1 CONSTRUCTION - SR 309 SITE 3 - STA. 111+00 TO E.O.P  
TRAFFIC CONTROL PLAN - PHASE 2 CONSTRUCTION - SR 309 SITE 1 - B.O.P. TO STA. 835+00  
TRAFFIC CONTROL PLAN - PHASE 2 CONSTRUCTION - SR 309 SITE 1 - STA. 835+00 TO STA. 860+00  
TRAFFIC CONTROL PLAN - PHASE 2 CONSTRUCTION - SR 309 SITE 2 - STA. 48+00 TO STA. 62+00  
TRAFFIC CONTROL PLAN - PHASE 2 CONSTRUCTION - SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
TRAFFIC CONTROL PLAN - PHASE 2 CONSTRUCTION - SR 309 SITE 3 - STA. 111+00 TO E.O.P  
TRAFFIC CONTROL PLAN - PHASE 3 CONSTRUCTION - SR 309 SITE 1 - B.O.P. TO STA. 838+00  
TRAFFIC CONTROL PLAN - PHASE 3 CONSTRUCTION - SR 309 SITE 1 - STA. 838+00 TO STA. 860+00  
TRAFFIC CONTROL PLAN - PHASE 3 CONSTRUCTION - SR 309 SITE 2 - STA. 48+00 TO STA. 62+00  
TRAFFIC CONTROL PLAN - PHASE 3 CONSTRUCTION - SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
TRAFFIC CONTROL PLAN - PHASE 3 CONSTRUCTION - SR 309 SITE 3 - STA. 111+00 TO E.O.P

TC-4 46  
TC-5 47  
TC-6 48  
TC-7 49  
TC-8 50  
TC-9 51  
TC-10 52  
TC-11 53  
TC-12 54  
TC-13 55  
TC-14 56  
TC-15 57

DETAIL OF INTERSECTION SHEETS (1)

DETAIL OF INTERSECTION - S.R. 309 AT BRUMLEY RD.

ID-1 58

PERMANENT PAVEMENT MARKING SHEETS (9)

PAVEMENT MARKINGS - SR 309 SITE 1 - B.O.P. TO STA. 822+00  
PAVEMENT MARKINGS - SR 309 SITE 1 - STA. 822+00 TO STA. 838+00  
PAVEMENT MARKINGS - SR 309 SITE 1 - STA. 838+00 TO STA. 851+00  
PAVEMENT MARKINGS - SR 309 SITE 1 - STA. 851+00 TO STA. 861+00  
PAVEMENT MARKINGS - SR 309 SITE 2 - STA. 48+00 TO STA. 62+00  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 82+00 TO STA. 97+00  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 97+00 TO STA. 111+00  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 111+00 TO STA. 124+00  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 124+00 TO STA. 135+00

PMD-1 59  
PMD-2 60  
PMD-3 61  
PMD-4 62  
PMD-5 63  
PMD-6 64  
PMD-7 65  
PMD-8 66  
PMD-9 67

MISCELLANEOUS ROADWAY ITEMS (8)

CULVERT HYDRAULIC DESIGN SUMMARY  
VEGETATION SCHEDULE  
RIGHT-OF-WAY COORDINATE SHEET  
EROSION CONTROL  
SUPERELEVATION CASE I- ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)  
SUPERELEVATION RUNOFF CASE I- ROTATION ABOUT CENTERLINE  
MISCELLANEOUS TYPICAL SECTION DETAILS  
BRIDGE END PAVEMENT (WITH RAIL, OVERLAY, AND SLEEPER SLAB)

CHD-1 68  
VS-1 69  
RC-1 70  
EC-1 71  
SDSE-2A 72  
SDRO-1 73  
MTSD 74  
BEPR-SS 75

RIPARIAN BUFFER SHEETS (4)

RIPARIAN BUFFER - SR 309 - SITE 1 - BRIDGES A AND B  
RIPARIAN BUFFER - SR 309 - SITE 1 - BRIDGE C  
RIPARIAN BUFFER - SR 309 - SITE 3 - BRIDGE D  
RIPARIAN BUFFER - SR 309 - SITE 3 - BRIDGE E

ECP-RB-3 76  
ECP-RB-4 77  
ECP-RB-6 78  
ECP-RB-7 79

PERMANENT SIGNING SHEETS (4)

PAVEMENT MARKINGS - SR 309 SITE 1 - B.O.P. TO STA. 835+00  
PAVEMENT MARKINGS - SR 309 SITE 1 - STA. 835+00 TO STA. 860+98  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 82+00 TO STA. 111+00  
PAVEMENT MARKINGS - SR 309 SITE 3 - STA. 111+00 TO E.O.P

PSP-1 1001  
PSP-2 1002  
PSP-3 1003  
PSP-4 1004

DATE: 8/21/2018

PS & E PLANS-DATE 1/8/2018		
FMS CON. # 100299/302000		
REVISIONS		
DATE	SHEET NO.	BY
8/21/18	2,3,4,11,17,24,25,	MRW
	31,32,76,77,78,79	

				MRW	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAILED INDEX</b>	
						PROJ. NO. BR-0914-00(008)	
						MARSHALL COUNTY	
						FILENAME: DI.DGN	
						DESIGN TEAM	CHECKED DATE
						WORKING NUMBER DI-1	
						SHEET NUMBER 2	



STATE	PROJECT NO.
MISS.	BR-0914-00(008)

STANDARD DRAWINGS - ROADWAY SHEETS (73)

BRIDGE END PAVEMENT RAIL (33.5" RAIL HEIGHT)  
PAVEMENT MARKING DETAILS FOR 2-LANE & 4-LANE DIVIDED HIGHWAYS  
2-WAY RAISED PAVEMENT MARKERS AT INTERSECTING ROADS (2-LANE)  
RUMBLE STRIPES - 2-LANE HIGHWAYS (ASPHALT LANES, 2-FT ASPHALT SHLD)  
TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS  
DETAILS OF SEDIMENT BARRIER APPLICATIONS  
DETAILS OF SILT FENCE INSTALLATION  
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS  
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS  
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK  
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK  
ROCK DITCH CHECK  
ROCK DITCH CHECK WITH SUMP EXCAVATION  
ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM  
INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS  
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS  
INLET PROTECTION DETAILS OF WATTLES  
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE  
INLET PROTECTION DETAILS OF SAND BAG  
STABILIZED CONSTRUCTION ENTRANCE  
TEMPORARY CULVERT STREAM CROSSING  
TEMPORARY STREAM DIVERSION  
TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)  
FLOATING TURBIDITY CURTAIN  
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK  
SEDIMENT RETENTION BARRIER  
DETAILS OF TYPICAL DITCH TREATMENTS  
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING  
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)  
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)  
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASIN)  
(135 CU. YARDS CAPACITY PER ACRE OF DRAINAGE)  
SUPER SILT FENCE  
EROSION CONTROL BLANKET  
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY  
GUARDRAIL: "W" BEAM (WOOD POSTS)  
GUARDRAIL: THRIE BEAM (WOOD POSTS)  
GUARDRAIL: "W" BEAM (STEEL POSTS)  
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS) (NEW CONSTRUCTION)  
GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS) (NEW CONSTRUCTION)  
GUARDRAIL: RUB RAIL HARDWARE SHEET  
GUARDRAIL: MISCELLANEOUS HARDWARE  
PIPE CULVERT INSTALLATION  
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  
BREAKAWAY SIGN SUPPORTS  
BREAKAWAY SIGN SUPPORTS  
BREAKAWAY SIGN SUPPORTS  
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS  
TYPICAL GUARDRAIL DELINEATION  
SIGNING DETAILS FOR TWO LANE & FOUR LANE BRIDGE APPROACHES  
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN OR OUTSIDE LANE CLOSURE)  
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS  
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS  
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  
LOCATION OF R16-3 SIGNS  
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE  
RIGHT-OF-WAY MARKER  
RURAL DRIVEWAYS  
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS  
SIGHT FLARE  
GUIDE BANK (SPUR DIKE): EARTH

BER-1	6009
PM-1	6051
PM-11	6061
RS-1	6064
ECD-1	6101
ECD-2	6102
ECD-3	6103
ECD-4	6104
ECD-5	6105
ECD-6	6106
ECD-7	6107
ECD-8	6108
ECD-9	6109
ECD-10	6110
ECD-11	6111
ECD-12	6112
ECD-13	6113
ECD-14	6114
ECD-15	6115
ECD-16	6116
ECD-17	6117
ECD-18	6118
ECD-19	6119
ECD-20	6120
ECD-21	6121
ECD-22	6122
DT-1	6123
DT-1A	6124
BAS-A	6125
BAS-B	6126
BAS-D	6129
SSF-1	6130
ECB-1	6131
GR-4A	6195
GR-1	6201
GR-1A	6202
GR-1B	6203
GR-2F	6210
GR-2G	6211
GR-RR	6218
GR-HW	6221
PI-1	6300
SN-3	6303
SN-3A	6304
SN-3B	6305
SN-4	6306
SN-4A	6307
SN-4B	6308
SN-6	6310
SN-6A	6311
SN-6B	6312
SN-8	6314
SN-8C	6317
SN-9	6318
TCP-3	6353
TCP-6	6356
TCP-8	6358
TCP-9	6359
TCP-12	6362
TCP-13	6363
TCP-15	6365
TCP-16	6366
RW-1	6401
RD-1	6403
GT-1	6404
SF-1	6405
ED-1	6406

STANDARD DRAWINGS - ROADWAY SHEETS (CONTINUED)

MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINTS 2. EXCAVATION AT GRADE POINTS  
DETAILS OF PAVED FLUMES  
FLEXIBLE PIPE STANDARD  
FLARED END SECTION FOR CONCRETE PIPE  
FLARED END SECTION FOR CONCRETE ARCH PIPE  
FLARED END SECTION FOR METAL PIPE & ARCH PIPE

MDS-1	6425
PF-1	6426
PI-2	6502
FE-1	6530
FE-1A	6531
FE-1B	6532

STANDARD DRAWINGS - BRIDGE (BOX CULVERT) SHEETS (17)

BASIC CULVERT DRAWING - BARREL JOINT LOCATIONS - NORMAL AND SKEWED CULVERTS - GROUP 1 DIAGRAMS  
COLLAR DETAILS FOR BOX STRUCTURES  
SKEWED COLLAR DETAILS FOR BOX STRUCTURES  
BARREL DETAILS - SINGLE CELL - HEIGHT 6 FT. - SPANS 6-20 FT.  
BARREL DETAILS - SINGLE CELL - HEIGHT 6 FT. - SPANS 6-20 FT.  
BARREL DETAILS - SINGLE CELL - HEIGHT 6 FT. - SPANS 6-20 FT.  
BARREL DETAILS - SINGLE CELL - HEIGHT 8 FT. - SPANS 8-20 FT.  
BARREL DETAILS - SINGLE CELL - HEIGHT 8 FT. - SPANS 8-20 FT.  
BARREL DETAILS - SINGLE CELL - HEIGHT 8 FT. - SPANS 8-20 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 0° SKEW DETAILS - HEIGHTS 6-12 FT. - SPANS 6-24 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 0° SKEW DETAILS - HEIGHT 8 FT. - SPANS 8-20 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 0° SKEW DETAILS - HEIGHTS 8 FT. - SPANS 8-20 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 45° SKEW DETAILS - HEIGHTS 6-12 FT. - SPANS 6-24 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 45° SKEW DETAILS - HEIGHTS 6-12 FT. - SPANS 6-24 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 45° SKEW DETAILS - HEIGHT 6 FT. - SPANS 6-20 FT.  
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - 45° SKEW DETAILS - HEIGHT 6 FT. - SPANS 6-20 FT.

IBJL-1	7005
ICJ-1	7008
ICJS-1	7009
IBS-6	7011
IBS-6	7012
IBS-6	7013
IBS-8	7014
IBS-8	7015
IBS-8	7016
IWS-3W	7032
IWS-8-3W	7035
IWS-8-3W	7036
IWS-3W-45	7100
IWS-3W-45	7101
IWS-6-3W-45	7102
IWS-6-3W-45	7103
IWS-6-3W-45	7104

BRIDGE SHEETS (122)  
\*\*\* NOTE: SEE SHEET 8001 FOR BRIDGE INDEX \*\*\*

8001-8122

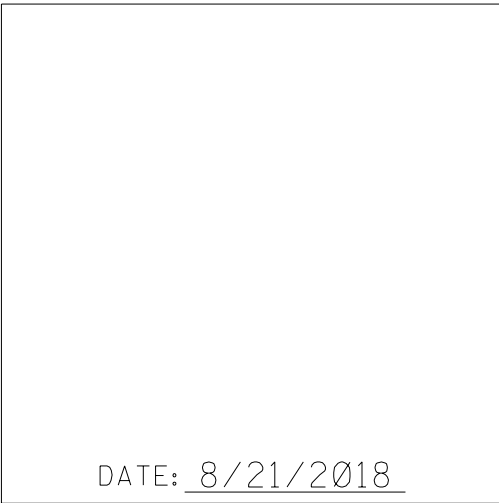
CROSS-SECTIONS (31)

SR 309 SITE 1  
SR 309 SITE 2  
SR 309 SITE 2 DETOUR  
SR 309 SITE 3  
BRUMLEY RD.

9001-9010
9011-9014
9015-9018
9019-9029
9030-9031

TOTAL SHEETS

326



<div>MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAILED INDEX</b></div>			
PROJ. NO. BR-0914-00(008)			
MARSHALL COUNTY			
FILENAME: DI.DGN			
DESIGN TEAM _____ CHECKED _____ DATE _____			
WORKING NUMBER DI-2		SHEET NUMBER 3	



## 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)	ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).		
(3)	ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.		
(4)	25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.		
(5)	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, AND BRIDGES 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.		
(6)	ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES SHALL BE PLUGGED WITH PLASTIC INSERTS AND BITUMINOUS SEALER TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).		
(7)	VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO, POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE COST OF WHICH WILL BE ABSORBED IN OTHER ITEMS BID.		
(8)	UTILITIES ON THE DRAWINGS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. UTILITIES THAT WERE FOUND TO BE IN CONFLICT WITH CONSTRUCTION HAVE BEEN RELOCATED. PERMITS ARE ON FILE WITH THE DEPARTMENT SHOWING THE APPROXIMATE LOCATION OF UTILITIES RELOCATED WITHIN THE RIGHT-OF-WAY. 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.		
(9)	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 EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING 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 STRUCTURES ADJACENT TO THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.		
(10)	SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS INCLUDED IN THE PLANS.		
(11)	WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)		
(12)	LIST OF PUBLIC UTILITIES:		
	A. CENTURY LINK	BARRY WELLS	662-893-7711
	B. NORTHCENTRAL ELECTRIC	DAVID VONBOEKMAN	662-838-2151
	C. TOWN OF BYHALIA	GARY SMOOT	662-838-2135
	D. MARATHON PETROLEUM	JEFF STEELE	662-449-0686
(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)	THE COST OF ANY COLLARS REQUIRED TO CONNECT CONCRETE FLARED END SECTIONS TO NON-CONCRETE PIPE SECTIONS SHALL BE ABSORBED IN THE COST FOR NON-CONCRETE PIPE.		

## GENERAL NOTES (CONT'D.)

(15)	VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.
(16)	ALL DIMENSIONS AND SPACINGS FOR BRIDGE RAIL CONNECTORS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
(17)	THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECT(S) IN IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
(18)	THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE.
(19)	CLEARING IN WETLANDS AREA UNDERNEATH BRIDGES IS PROHIBITED, EXCEPT WHERE NECESSARY FOR BRIDGE CONSTRUCTION. THIS CLEARING MUST BE DONE WITH SAWS. DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB NATURAL GROUND SURFACE ARE NOT ALLOWED.
(20)	FOR CLEARING LIMITS ADJACENT TO THE STREAMS AT STATIONS 828+00, 835+00, 842+50, 100+00 AND 112+50; SEE WORKING SHEET NUMBERS ECP-RB-3, ECP-RB-4, ECP-RB-6 AND ECP-RB-7. THE CLEARING LIMITS SHOWN ON THESE SHEETS ARE ONLY FOR THE RIPARIAN BUFFER. CLEARING LIMITS AT OTHER LOCATIONS SHOULD STILL APPLY.
(21)	REMOVAL OF RAISED PAVEMENT MARKERS THAT ARE IN CONFLICT WITH REQUIRED CONSTRUCTION IS NOT CONSIDERED A SEPARATE PAY ITEM. COST TO BE ABSORBED IN OTHER ITEMS BID.
(22)	REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM, AND SHALL BE ABSORBED IN OTHER ITEMS BID.
(23)	WHERE MILLING IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
(24)	THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U. S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. ANY ADDITIONAL SILT BASINS NOT SHOWN IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL PLAN PRIOR TO SUBMITTING FOR APPROVAL.
(25)	PRIOR TO EARTHWORK OPERATIONS, THE EXISTING TOP 6" 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.
(26)	THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
(27)	TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
(28)	ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.



GENERAL NOTES (CONT'D.)[illegible][illegible]