FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	STP-0006-01(072)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. STP-0006-01(072)

US 78 IN NEW ALBANY
UNION COUNTY

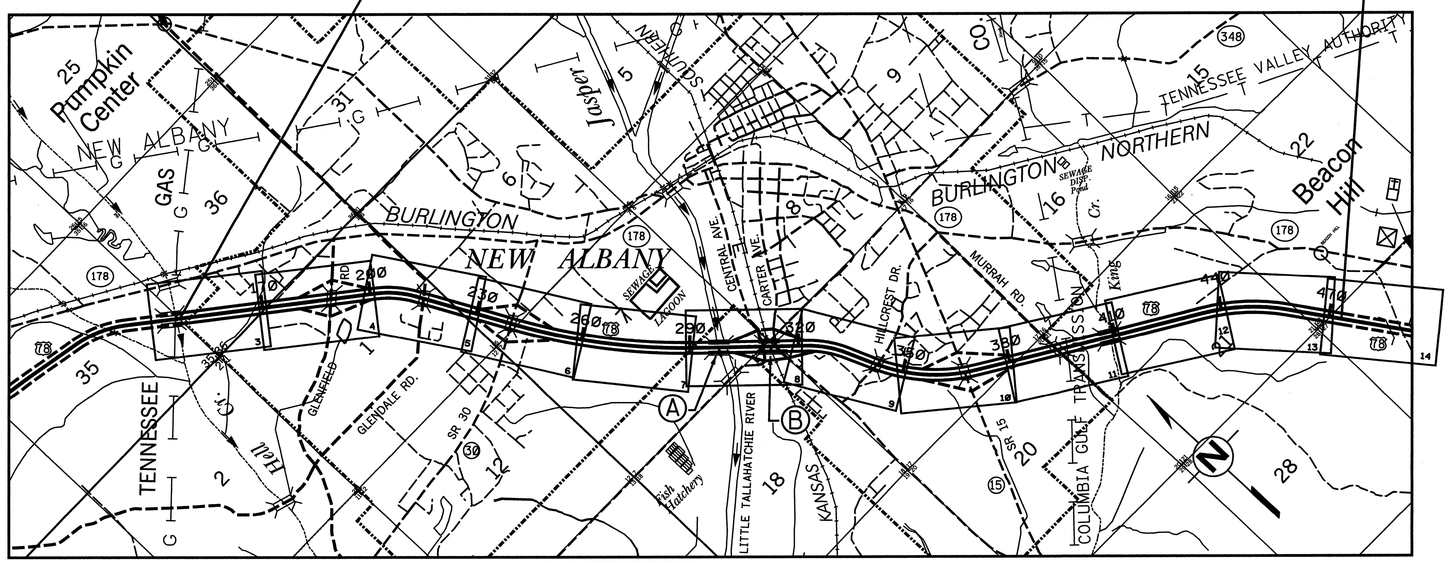
STP-0006-01(072) 104095/302000 CONST.

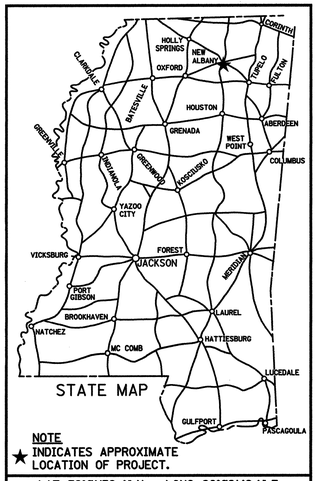
SCALES

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

BEGINNING OF PROJECT
STA. 147+00

END OF PROJECT
STA. 473+48.86





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 32°01'32.4" N LONG. 86°09'42.1" E
(APPROX. MIDDLE OF PROJECT)

STA. 147+00 TO STA. 394+00
DESIGN CONTROL
60 MPH = V (SPEED DESIGN)
ADT (2009) = 25,000; ADT (2029) = 55,000
DHV = 5,500 : D = 50 % T = 25 %

STA. 394+00 TO STA. 473+48.86
DESIGN CONTROL
70 MPH = V (SPEED DESIGN)
ADT (2009) = 22,000; ADT (2029) = 47,000
DHV = 4,700 : D = 50 % T = 34 %

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 +)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: GSW DATE: 7/13/11

BRIDGE STRUCTURES REQ'D.

WIDENING OF EXISTING BRIDGES
Ⓐ STA. 294+60.389 - STA. 301+80.812
Ⓑ STA. 309+77.173 - STA. 315+07.881 LT. LN.

LENGTH OF EXISTING BRIDGES
720.423'
530.708'
170.200'
159.730'
199.872'
1780.933'

BOX BRIDGES 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

EXCEPTIONS

LENGTH DATA

LENGTH OF ROADWAY	30867.93 FT.	5.846 MI.
LENGTH OF BRIDGES	1780.93 FT.	0.337 MI.
LENGTH OF PROJECT (NET)		6.183 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)		6.183 MI.

RICHARD A. TOLER
PE 15778
STATE OF MISSISSIPPI
07-13-11

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DATE	REVISIONS	BY

APPROVED: 7/13/11
CHIEF ENGINEER — DATE

INTERIM 7/13/11
EXECUTIVE DIRECTOR — DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7/11/2011 1:31:00:40PM T:\HWY\PICK\US 78 - UNION COUNTY\US78PROJECTFILES\TITLE.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-0006-01(072)

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DETAILED INDEX	DI-2	3
DETAILED INDEX	DI-3	4
DETAILED INDEX	DI-4	5
DETAILED INDEX (BRIDGE)	DI-BR	6
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NEEL-SCHAFFER

PS & E PLANS-DATE....07-13-11		
FMS CON. # 104095/302000		
REVISIONS		
DATE	SHEET NO.	BY
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08-29-11	16, 19-24, 32, 34	CAT
09-14-11	4,27,29,33,35,100.65	CAT

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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REVISION | BY | DATE

PLAN
PATRICIA WILSON
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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1 st O. REV.

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DATE	REVISION	BY	CAT
08-1-11	ADDED SHEETS		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION PLAN

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ADDENDUM

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STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION		SN-4B	227
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SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	3-1-02	SN-7	232
TYPICAL INSTALLATION AND DETAILS OF DILINEATORS AND DISTANCE REFERENCE SIGNS		SN-8	233
TYPICAL INSTALLATION OF DELINEATORS		SN-8A	234
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TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO WAY TRAFFIC)		TCP-1	250
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)		TCP-2	251
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SMALL ANIMAL GUARD AND UNDERDRAIN MARKER	3-1-02	SAG-1	327
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HEADWALLS FOR CONCRETE PIPE 3:1 SLOPE - 45° SKEW		HW-3145	345

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BOX CULVERT DRAWING: BARREL JOINT LOCATION: NORMAL AND SKEWED CULVERTS	IBJL-1	366.2
BOX CULVERT DRAWING: BARREL JOINT LOCATION: NORMAL AND SKEWED CULVERTS	IBJL-1	366.3
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SKEWED COLLAR DETAILS FOR BOX STRUCTURES	ICJS-1	368
BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 6 FT. - SPANS 6-20 FT.	IBS-6-2W	370.1
BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 6 FT. - SPANS 6-20 FT.	IBS-6-2W	370.2
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL HEIGHTS 6-12 FT.-SPANS 6-24 FT.	IWS-3	374
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL HEIGHTS 6-12 FT.-SPANS 6-24 FT.	IWS-3	375.1
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL HEIGHTS 6-12 FT.-SPANS 6-24 FT.	IWS-3	375.2
BOX CULVERT DRAWING: IBS CULVERTS MODIFIED FOR HIGH COVER, WINGS WITH 3:1 SLOPE	IBSM-3W	380
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° SKEW DETIALS, WINGS WITH 3:1 SLOPE, SINGLE & DOUBLE DELL CULVERTS	ISK-45-3W	403.1
BOX CULVERT DRAWING: 45° SKEW DETIALS, WINGS WITH 3:1 SLOPE, SINGLE & DOUBLE DELL CULVERTS	ISK-45-3W	403.2
CROSS SECTIONS (159)		
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STATE	PROJECT NO.
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BRIDGE @ STA. 294+60.000 (LT. LN.) & STA. 294+60.000 (RT. LN.)
US 78 OVER TALLAHATCHIE RIVER (BRIDGE "A")

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PART FOUNDATION PLAN	A5	470
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END BENT 16L	A7	472
END BENT DETAILS	A8	473
INT. BENTS 2L THRU 4L	A9	474
INT. BENTS 2R THRU 4R, 9R THRU 15R	A10	475
INT. BENTS 14R & 15R COLLAR DETAILS	A11	476
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INT. BENT 12L	A15	480
INT. BENT 13L	A16	481
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INT. BENT 14L COLLAR DETAILS	A18	483
INT. BENT 15L	A19	484
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INT. BENTS 5L, 5R, 8L & 8R	A21	486
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SPAN 5L THRU 7L, 5R THRU 7R DETAILS (PHASE I)	A26	491
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SPAN 5L THRU 7L, 5R THRU 7R DETAILS (PHASE I)	A28	493
SPAN 9L DETAILS (PHASE I)	A29	494
SPAN 10L DETAILS (PHASE I)	A30	495
SPAN 11L DETAILS (PHASE I)	A31	496
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SPAN 13L DETAILS (PHASE I)	A33	498
SPAN 14L DETAILS (PHASE I)	A34	499
SPAN 15L DETAILS (PHASE I)	A35	500
PLAN OF SPANS 1L, 2L, 1R & 2R (PHASE I)	A36	501
PLAN OF SPANS 3L, 4L, 3R & 4R (PHASE I)	A37	502
PART PLAN OF SPANS 5L, 6L, 7L, 5R, 6R & 7R (PHASE I)	A38	503
PLAN OF SPANS 8L & 9L (PHASE I)	A39	504
PLAN OF SPANS 10L & 11L (PHASE I)	A40	505
PLAN OF SPANS 12L & 13L (PHASE I)	A41	506
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PLAN OF SPANS 8R & 9R (PHASE I)	A43	508
PLAN OF SPANS 10R, 11R, 12R & 13R (PHASE I)	A44	509
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SPAN DETAILS (PHASE II)	A46	511
SPAN DETAILS (PHASE II)	A47	512
MISCELLANEOUS SPAN DETAILS	A48	513
BEARING ASSEMBLY DETAILS	A49	514
42" RAILING DETAILS	A50	515
MEDIAN BARRIER DETAILS	A51	516
40 FT. P/S CONC. BEAM DETAILS (SPANS 1L, 1R, 15L & 15R)	A52	517
40 FT. P/S CONC. BEAM DETAILS (SPANS 2L - 4L, 2R - 4R, 8L - 15L & 8R - 15R)	A53	518
75 FT. P/S CONC. BEAM DETAILS (SPANS 5L, 5R, 7L & 7R)	A54	519
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BRIDGE @ STA 309+76.875 (LT. LN) & STA. 309+88.875 (RT. LN.)
US 78 OVER CARTER/CENTRAL AVENUE (BRIDGE "B")

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END BENT 1R (PHASE I)	B5	532
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END BENT 9R (PHASE I)	B7	534
END BENT DETAILS (PHASE I)	B8	535
END BENT DETAILS (PHASE II)	B9	536
INT. BENTS 2L, 5L, 6L, 8L, 2R, 5R, 6R & 8R	B10	537
INT. BENTS 3L, 4L, 7L, 3R, 4R & 7R	B11	538
MISCELLANEOUS BENT DETAILS (PHASE I)	B12	539
SPAN DETAILS (PHASE I)	B13	540
SPAN DETAILS (PHASE I)	B14	541
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PLAN OF SPANS 2L, 3L, 5L THRU 7L & 2R THRU 8R (PHASE I)	B16	543
SPAN DETAILS (PHASE II)	B17	544
SPAN DETAILS (PHASE II)	B18	545
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MEDIAN BARRIER DETAILS	B21	548
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U.S. 78 WIDENING AT NEW ALBANY

DETAILED INDEX
(BRIDGE)

PROJECT STP-0006-01(072)
104095/202000

UNION COUNTY

WORKING NUMBER DI-BR

DESIGNED KJK DETAILED KJK TRACED CADD
CHECKED JLF ISSUED _____ DATE _____

SHEET NUMBER 6

FILE: S:\Projects\7146.010-015 US 78 - Union County\DRAWINGS\FINALS\ROADWAY\DI-BR.dgn
DATE: 7/11/2011 TIME: 8:55:00 AM USER: KJK

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STATE	PROJECT NO.
MISS.	STP-0006-01(072)

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. 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.

4. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.

5. 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.

6. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

7. 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. STOCKPILES MUST BE PLACED OUTSIDE OF CLEAR ZONE.

8. ROADWAY SIGNS IN CONFLICT WITH CONSTRUCTION WILL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. COST TO BE ABSORBED IN OTHER BID ITEMS.

9. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL PER SECTION 631 OF MS STANDARD SPECIFICATIONS.

10. 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.

11. 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.

12. FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE ICJS-1 FOR DETAILS)

13. 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.

14. 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.

15. DITCHES TO BE ADJUSTED AS DIRECTED BY THE ENGINEER TO ACCOMMODATE DRAINAGE. (SEE TS-1 FOR DETAILS)

16. FOR LIST OF PUBLIC UTILITIES, SEE WK. NO. 3

△1 17. THE CLEARING LIMITS ADJACENT TO THE STREAM(S) AT STATION(S) 146+00 (HELL CREEK), 298+00 (LITTLE TALLAHATCHIE RIVER) & 409+00 (KINGS CREEK) WILL BE LIMITED TO NO FURTHER THAN TEN (10) FEET OUTSIDE THE CONSTRUCTION LIMITS WHEN ANY CLOSER TO THE STREAM THAN FIFTY (50) FEET FROM THE TOP OF THE BANKS.

18. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. 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 SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.

19. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).

20. WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE (SEE WK. NO. TEC-1).

DATE	REVISION	BY	CAT
08-17-11	REVISED NOTE		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

General Notes

Project No.: STP-0006-01(072)
County: Union

FILENAME: GN.DGN
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PLAN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
HIGHWAY DESIGN DIVISION

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