

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

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SPECIAL DESIGN - BRIDGES	6
CROSS-SECTIONS	21
TOTAL SHEETS	90

203-12-07

STATE OF MISSISSIPPI

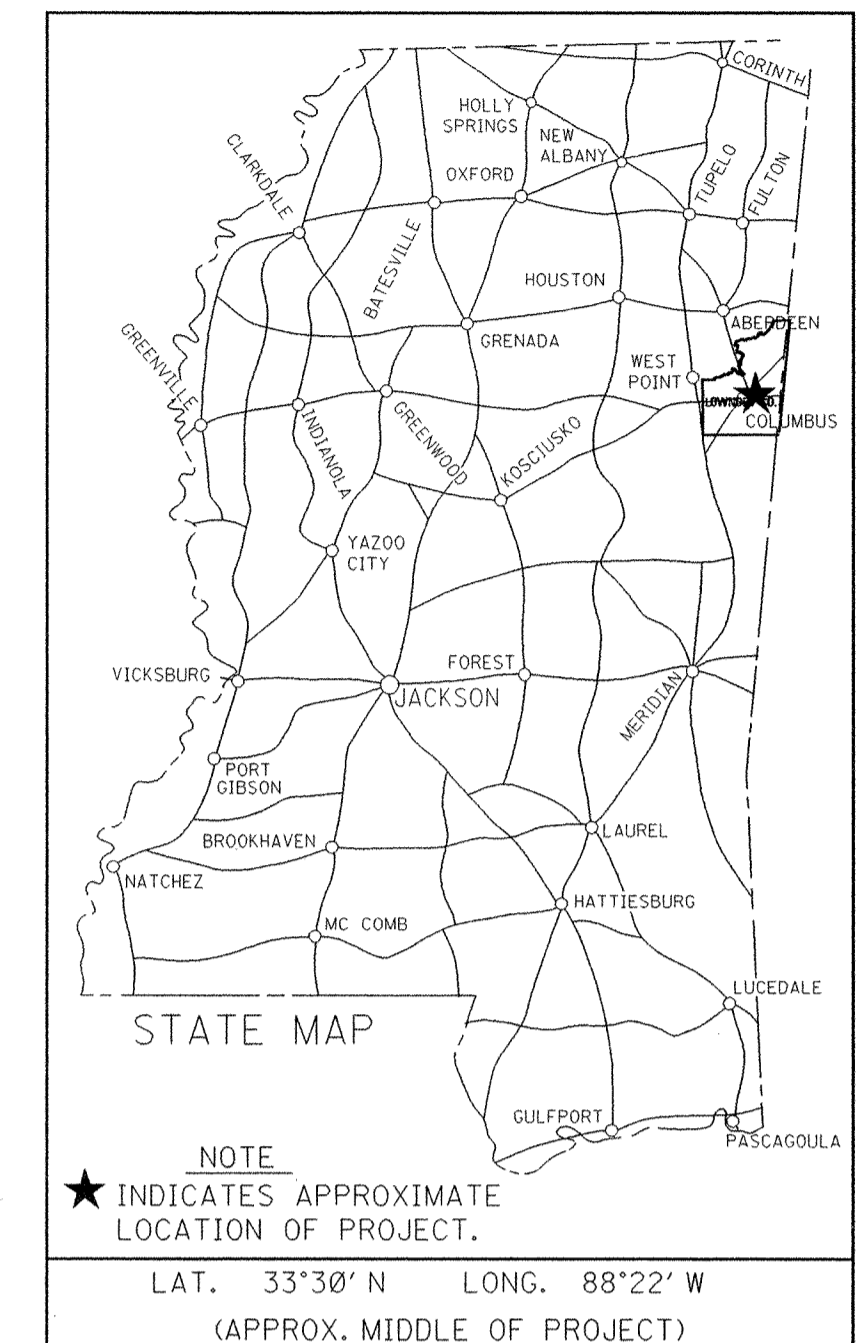
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-2709-00(002)

SR 182 @ LEHMBERG RD. BETWEEN COLUMBUS AND ALABAMA STATE LINE LOWNDES COUNTY

FMS CON.: 103078/301000

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-2709-00(002)	1



SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 4000 FT.

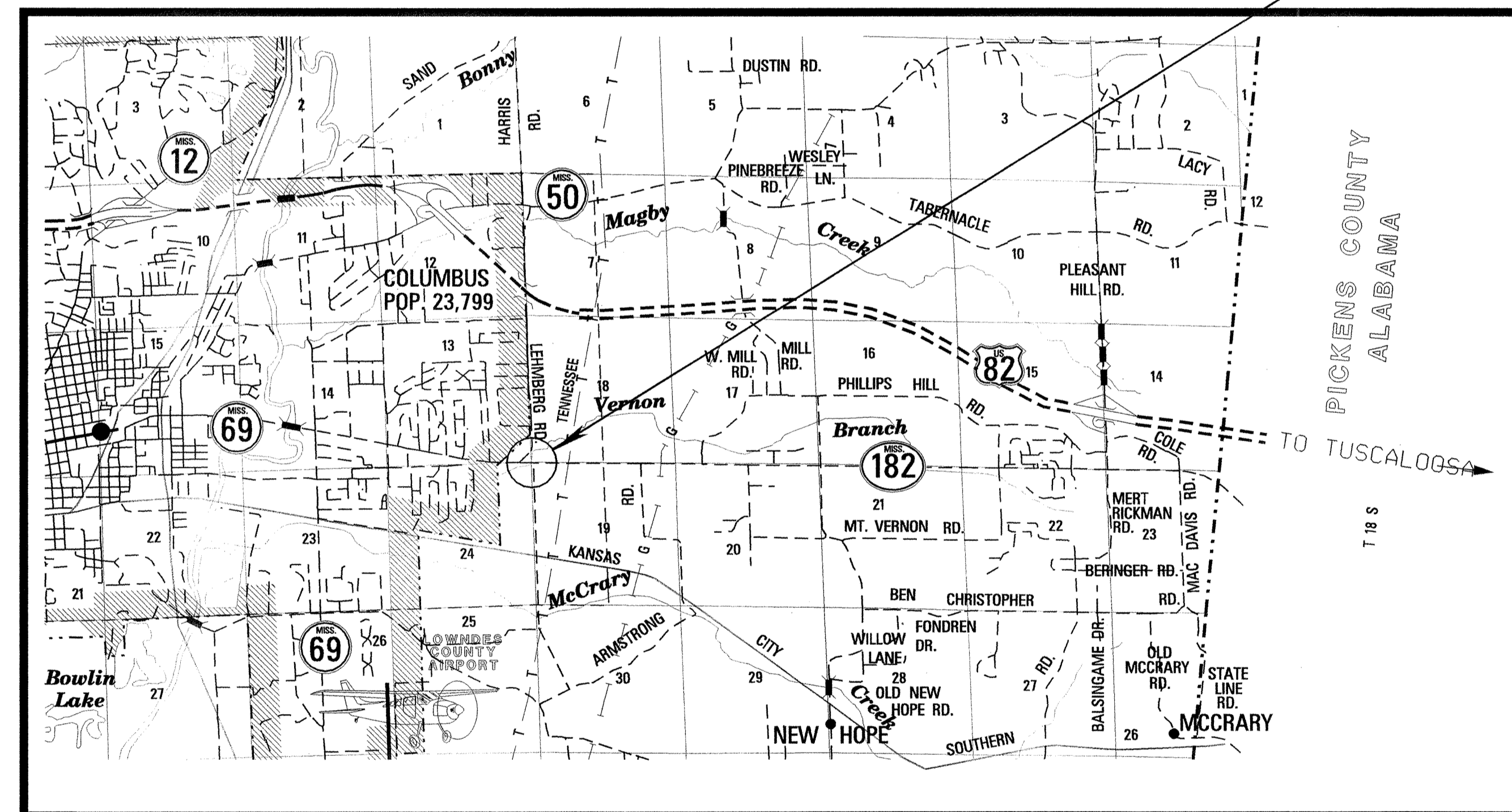
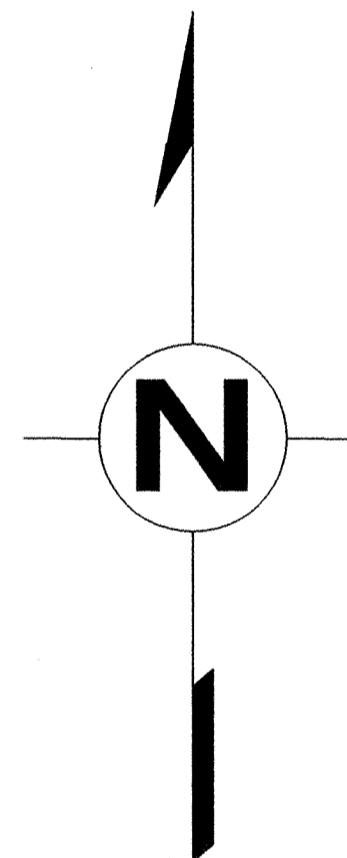
WORK SITE BRIDGE # 175.9

BRIDGE STRUCTURES REQ'D.

NONE

BOX BRIDGES REQ'D.

STA. 206 + 57.73
286' - TRIPLE CELL BOX BRIDGE EXTENSIONS REQ'D.
(16' X 10, 13' X 10', 16' X 10' CELLS)
45° LT. FWD. SKEW



DESIGN CONTROL

45	MPH = V (SPEED DESIGN)
ADT (2005) = 6,600	ADT (2025) = 9,800
DHV = 980	D = 50 % 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 checked="" 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, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +) (NTB 6484)
S	REQUIRED, CNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: CKP DATE: 3/12/07

CONVENTIONAL SYMBOLS

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

EQUATIONS

NONE

EXCEPTIONS

NONE

LENGTH DATA

LENGTH OF ROADWAY	1700.00 FT.	0.322 MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	1700.00 FT.	0.322 MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	1700.00 FT.	0.322 MI.

APPROVED:	<i>Larry Lee James</i>	3/12/07
BY	CHIEF ENGINEER	DATE
APPROVED:	<i>Sam R. Bumshe</i>	3-12-07
BY	EXECUTIVE DIRECTOR	DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:		
DIVISION ADMINISTRATOR DATE		
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		

1st O. REV.

STATE	PROJECT NO.
MISS.	BR-2709-00(002)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (2)			
DETAILED INDEX	DI-1		2
GENERAL NOTES	GN-1		3
TYPICAL SECTIONS (7)			
TYPICAL SECTION - WIDENING AND OVERLAY - WIDENING FOR EB TURN LANE - HIGHWAY 182 MAINLINE	TS-1		4
TYPICAL SECTION - HIGHWAY 182 MAINLINE - CONSTRUCTION AT BOX BRIDGE AND 3-LANE SECTION	TS-2		5
TYPICAL SECTION - HIGHWAY 182 MAINLINE - TRANSITION TO EXISTING ALIGNMENT	TS-3		6
MISCELLANEOUS TYPICAL SECTION DETAILS - TRANSITIONS AND RAMPS	TS-4		7
TYPICAL SECTION - LEHMBURG ROAD - NEW CONSTRUCTION	TS-5		8
TYPICAL SECTION - LEHMBURG ROAD - WIDEN AND OVERLAY	TS-6		9
TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROAD	TS-7		10
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SUMMARY OF QUANTITIES	SQ-2		12
SUMMARY OF QUANTITIES - TRAFFIC SIGNAL PLAN	SQ-TR		13
ESTIMATED QUANTITIES (3)			
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ESTIMATED QUANTITIES	EQ-2		15
ESTIMATED QUANTITIES TRAFFIC CONTROL SIGNS	TCPQ-1		16
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MAINLINE - HIGHWAY 182 - STA. 199+00.000 TO 210+00.000	WK 3		17
MAINLINE - DETOUR ROAD	WK 3A		18
LOCAL ROAD - LEHMBERG ROAD	WK 3B		19
MAINLINE - HIGHWAY 182 - STA. 210+00.000 TO 216+00.000	WK 4		20
SPECIAL DESIGN SHEETS (9)			
EROSION CONTROL PLAN - HIGHWAY 182	ECD-1		21
VEGETATION SCHEDULE	VS-1		22
CONSTRUCTION SIGNING	CS-1		23
TRAFFIC CONTROL PLAN - HIGHWAY 182	TC-1		24
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC		25
LOCATION OF R16-3 SIGNS	R16-3		26
PERMANENT MARKING DETAIL - HIGHWAY 182	PMD-1		27
PERMANENT MARKING DETAIL - FOR THREE LANE UNDIVIDED ROADWAY	PMD-1A		28
DETAIL OF INTERSECTION - LEHMBERG ROAD AT HIGHWAY 182	DOI-1		29
TRAFFIC SIGNAL SHEETS (7)			
SIGNAL PLAN	TSI-1		30
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DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES	TSD-1		32
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-2		33
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-3		34
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS	TSD-5		35
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-6A		36

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

STANDARD DRAWINGS - ROADWAY SHEETS (23) OCT. 1, 1998 VERSION			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12/01/99	PM-1	120
PAVEMENT MARKING LEGEND DETAILS		PM-6	125
EROSION CONTROL		EC-1	140
TYPICAL TEMPORARY EROSION CONTROL MEASURES		TEC-1	142
DETAILS OF DITCH TREATMENT		DT-1	145
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO WAY TRAFFIC)		TCP-1	250
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS		TCP-10	259
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	12-01-99	TCP-11	260
TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS		TCP-14	263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	TCP-15	264
RURAL DRIVEWAYS		RD-1	271
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS		GT-1	272
SUPERELEVATION TRANSITION CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	3-01-02	SE-2A	276
DRIVEWAYS, CURB & GUTTER, & SIDEWALK		SD-1	287
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINT			
2. EXCAVATION AT GRADE POINTS		MDS-1	290
PIPE CULVERT INSTALLATION		PI-1	300
JUNCTION BOX FOR PIPE CULVERTS		JB-1	302
BRANCH CONNECTIONS		BC-1	305
TYPE I MEDIAN INLET (24" PIPE & UNDER)		MI-1	306
TYPE II MEDIAN INLET (51" & UNDER)		MI-2	309
DETAILS OF GRATES FOR MEDIAN INLETS		IG-1	314
PAVED INLET APRON AND MEDIAN DITCH PLUG		PA-1	318
FLARED END SECTION FOR CONCRETE PIPE		FE-1	328
BRIDGE DESIGN STANDARD DRAWINGS - 1998 VERSION (6)			
SKEWED COLLAR DETAILS FOR BOX STRUCTURES		ICJS-1	368
CULVERT DRAWING - EXTENSION DETAILS - FOR LENGTHENING EXISTING BOX CULVERTS		ICX-1	369
BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHT 10 FT - SPANS - 20 - 36 FT		IBD-10-2W	385.1
BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHT 10 FT - SPANS - 20 - 36 FT		IBD-10-2W	385.2
BOX CULVERT DRAWING - 45 DEG SKEW DETAILS - WINGS WITH 3:1 SLOPE - SINGLE & DOUBLE CELL CULVERTS		ISK-45-3W	403.1
BOX CULVERT DRAWING - 45 DEG SKEW DETAILS - WINGS WITH 3:1 SLOPE - SINGLE & DOUBLE CELL CULVERTS		ISK-45-3W	403.2
BRIDGE SHEETS (4)			766-769
CROSS SECTIONS (21)			
DETOUR ROAD			901-905
PHASE 2			906-909
PHASE 3			910-914
MAIN FACILITY - B.O.P. TO E.O.P.			915-919
LOCAL ROAD - LEHMBERG ROAD			920-921
TOTAL SHEETS (90)			

4/9/2007 9:55 AM D:\DGN PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

HELMS

PS & E PLANS-DATE: 3/12/2007		
FMS CON. # ...103078/301000...		
REVISIONS		
DATE	SHEET NO.	BY
04/09/07	12, 13, 24	DBH

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		DETAILED INDEX	
PROJECT NO. BR-2709-00(002)		WORKING NUMBER	
COUNTY : LOWNDES		DI-1	
FILENAME: di.dgn		SHEET NUMBER	
DESIGN TEAM HELMS CHECKED DATE		2	

99

GENERAL NOTES

1. UTILITY INFORMATION CAN BE FOUND ON WK NO.3.
2. THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
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. 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.
5. ALL EXISTING HEADWALLS, CULVERT PIPES, OR OTHER OBSTRUCTIONS NOT COVERED BY A SPECIFIC PAY ITEM, WHICH CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE AS AN ABSORBED ITEM. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE PLUGGED ON EACH END WITH CONCRETE. (ABSORBED ITEM)
6. 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.
7. 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 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.
8. WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURING DURING 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 STRUCTURES ADJACENT TO THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
9. IN ORDER TO HOLD SILTATION TO A MINIMUM, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, DITCH CHECKS, ETC.) WHEN AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR THESE ITEMS OF WORK SHALL BE MADE UNDER THE APPROPRIATE PAY ITEMS.
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. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
12. WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE (ABSORBED ITEM).
13. 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.
14. EXISTING RIP RAP IN CONFLICT WITH CONSTRUCTION IS TO BE REMOVED AS DIRECTED (ABSORBED ITEM).
15. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
16. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPERATE PAY ITEM).
17. 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 THE COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.
18. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/12/2007 10:31 AM DL DGN

														MISSISSIPPI DEPARTMENT OF TRANSPORTATION						
GENERAL NOTES																				
													PROJECT NO.: BR-2709-00(002)							
													COUNTY : LOWNDES							
													WORKING NUMBER GN-1							
													SHEET NUMBER 3							
													FILENAME: _____ di.dgn							
													DESIGN TEAM HELMS CHECKED DATE							