

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	NH-0002-04(032)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. NH-0002-04(032)

01-14-09

U.S. 45 FROM 4 MILES SOUTH
OF U.S. 82 TO U.S. 82
LOWNDES COUNTY

CON. F.M.S.: 102087/301000

SCALES
PLAN 1 IN. = 100 FT.
PROFILE { **HOR.** 1 IN. = 100 FT.
VERT. 1 IN. = 10 FT.
LAYOUT 1 IN. = 1500 FT.

B.O.P. 610 + 00

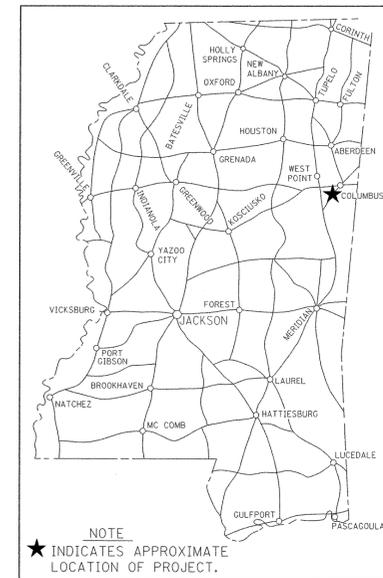
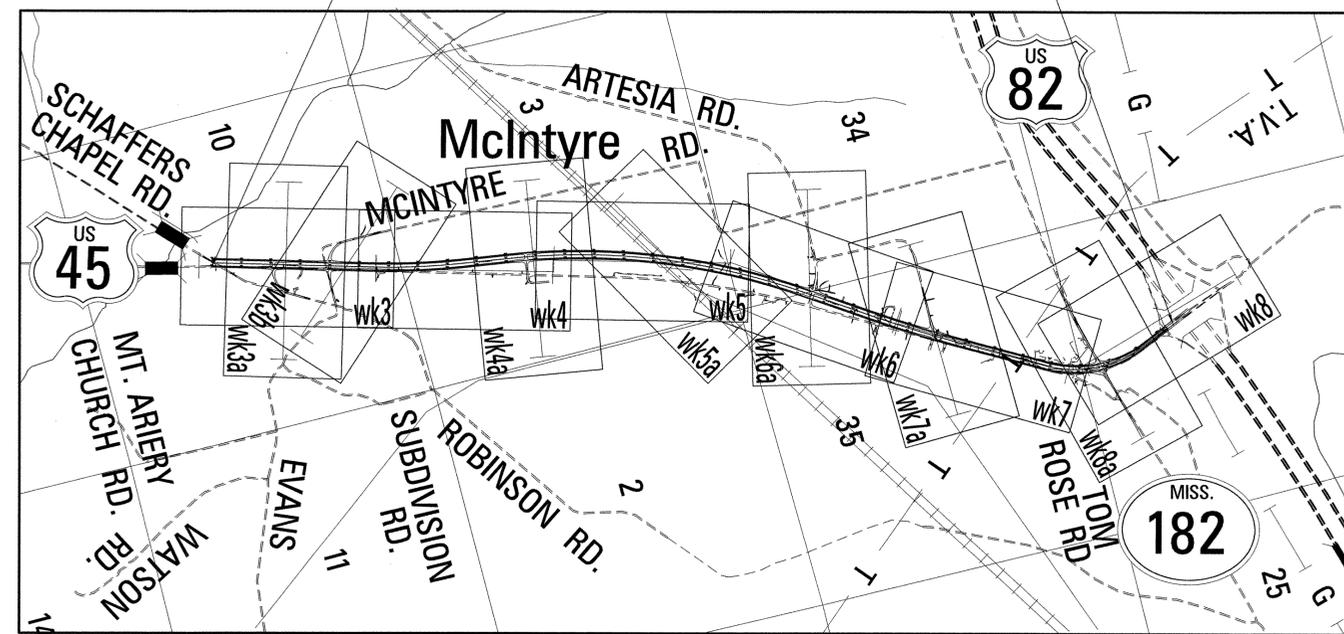
E.O.P. 775 + 00

BRIDGE STRUCTURES REQ'D.

TWIN BRIDGES REQUIRED
STA. 684+20.74 - STA. 687+33.92 (LEFT LANE)
STA. 685+62.69 - STA. 688+75.87 (RIGHT LANE)
SPAN ARR. (2@100', 1@110')
SKEW 45° RIGHT FORWARD
313.18' ALONG C RIGHT LANE

BOX BRIDGES REQ'D.

NONE



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.
LAT. 33°27'24.99" N LONG. 88°30'01.09" W
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL
70 MPH = V (SPEED DESIGN)
ADT (2008) = 9410 ; ADT (2027) = 15000
DHV = 1610 ; D = 50 % T = 20 %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	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"/>

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

STORMWATER PERMIT	<input checked="" type="checkbox"/>
Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +) (NTB 6484)	
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (NTB 6483)	
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)	

APPROVED BY: C.K.P. DATE: 1/12/09

EQUATIONS

STA. 652+55.565 BK = STA. 652+47.206 AH = +8.359
STA. 710+60.000 BK = STA. 710+87.470 AH = -27.470
STA. 739+04.407 BK = STA. 738+97.211 AH = +7.196
STA. 771+72.263 BK = STA. 771+28.045 AH = +44.218

EXCEPTIONS

NONE

CONVENTIONAL SYMBOLS

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

LENGTH DATA

LENGTH OF ROADWAY	16217.4 FT.	3.071 MI.
LENGTH OF BRIDGES	314.9 FT.	0.060 MI.
LENGTH OF PROJECT (NET)	16532.30	3.131 MI.
LENGTH OF EXCEPTIONS	0 FT.	MI.
LENGTH OF PROJECT (GROSS)		3.131 MI.

APPROVED:	DATE: 1/12/09
BY: <i>Wade McArthur</i>	DATE: 1/12/09
CHIEF ENGINEER	
EXECUTIVE DIRECTOR	DATE: 1/12/09
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
APPROVED:	DATE:
DIVISION ADMINISTRATOR	DATE:
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

1 st O. REV.

STATE	PROJECT NO.
MISS.	NH-0002-04(032)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (4)			
DETAILED INDEX	DI-1		2
DETAILED INDEX	DI-2		3
GENERAL NOTES	GN-1		4
DETAILED INDEX (BRIDGE)	DI-BR		5
TYPICAL SECTION SHEETS (8)			
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TYPICAL SECTION - MAIN FACILITY	TS-2		7
TYPICAL SECTION - LOCAL ROADS (ADT < 300)	TS-3		8
TYPICAL SECTION - LOCAL ROADS (ADT > 300)	TS-4		9
TYPICAL SECTION - BRIDGE END DETAILS	TS-5		10
TYPICAL SECTION - TEMPORARY CONNECTION	TS-6		11
TYPICAL SECTION - CROSS-OVER	TS-7		12
TYPICAL SECTION - CHANNELIZED INTERSECTION	TS-8		13
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SUMMARY OF QUANTITIES	SQ-2		15
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SUMMARY OF QUANTITIES	SQ-4		17
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ESTIMATED QUANTITIES - SIDE DRAINS & EROSION CONTROL ITEMS	EQ-2		24
ESTIMATED QUANTITIES - PIPE CULVERT DRAINAGE STRUCTURES	EQ-3		25
ESTIMATED QUANTITIES - GUARD RAIL, BRIDGE END PAVEMENT, BOX CULVERTS, CURB & GUTTER	EQ-4		26
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MAIN FACILITY - B.O.P. TO STA. 638+00 (LEFT LANES)	3LT		29
MAIN FACILITY - B.O.P. TO STA. 638+00 (RIGHT LANES)	3RT		30
MAIN FACILITY - TEMPORARY CONNECTION AT B.O.P.	3CON		31
LOCAL ROAD AT STA. 615+00.00 (ROBINSON ROAD) FUTURE CONSTRUCTION	3A		32
LOCAL ROAD AT STA. 630+00.00 (McINTYRE ROAD / EVANS ROAD)	3B		33
MAIN FACILITY - STA. 638+00 TO STA. 668+00 (LEFT LANES)	4LT		34
MAIN FACILITY - STA. 638+00 TO STA. 668+00 (RIGHT LANES)	4RT		35
LOCAL ROAD AT STA. 663+38.87 (CSI ROAD)	4A		36
MAIN FACILITY - STA. 668+00 TO STA. 698+00 (LEFT LANES)	5LT		37
MAIN FACILITY - STA. 668+00 TO STA. 698+00 (RIGHT LANES)	5RT		38
MAIN FACILITY - STA. 698+00 TO STA. 728+00 (LEFT LANES)	6LT		39
MAIN FACILITY - STA. 698+00 TO STA. 728+00 (RIGHT LANES)	6RT		40
LOCAL ROAD AT STA. 712+83.39 (ARTESIA ROAD)	6A		41
MAIN FACILITY - STA. 728+00 TO STA. 758+00 (LEFT LANES)	7LT		42
MAIN FACILITY - STA. 728+00 TO STA. 758+00 (RIGHT LANES)	7RT		43
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MAIN FACILITY - STA. 758+00 TO E.O.P. (LEFT LANES)	8LT		45
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DESCRIPTION OF SHEET

WKG. NO. SH. NO.

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TRAFFIC CONTROL PLAN - PHASE 4	TCP-4B		66
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TRAFFIC CONTROL PLAN - BARRICADE AND DRUM PLACEMENT DETAILS	TCP-D1		68
TRAFFIC CONTROL PLAN - LOCAL ROAD AT STA. 615+00.00 (ROBINSON ROAD) FUTURE CONSTRUCTION	TCP-L1		69
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WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWINGS, SINGLE CELL, HEIGHTS 4-12 FT., SPANS 4-24 FT., SHEET 1 OF 2	IWS-3		99
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BOX CULVERT DRAWING - 15° SKEW DETAILS, WINGS WITH 3:1 SLOPE, SINGLE AND DOUBLE CELL CULVERTS	ISK-15-3W		100.01
VEGETATION SCHEDULE	VS-1		100.02
RIGHT OF WAY MARKERS	RW-1		100.03
GUARD RAIL : TYPICAL INSTALLATION AT EXCESSIVE SKEW BRIDGES	GRSD-1		100.04
DETAIL OF RUMBLE STIPS (GROUND IN)	RS-1		100.05

3/25/2009 1:01:56 AM DL.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION

JAMES

PS & E PLANS-DATE: 11/14/09		
FMS CON. # 102007/301000		
REVISIONS		
DATE	SHEET NO.	BY
03/13/09	18 & 28	JMA
03/23/09	6	WCJ
03/25/09	100.07	WCJ

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. : NH-0002-04(032)	
LOWNDES COUNTY	
WORKING NUMBER	DI-1
FILENAME:	di.dgn
DESIGN TEAM	Williams
CHECKED	
DATE	9-09-03
SHEET NUMBER	2

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DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DITCH TREATMENT-SOIL REINFORCING MAT		DT-1A	100.06
BRIDGE END PAVEMENT WITH RAIL		BE-1A	100.07
32' BRIDGE END PAVEMENT RAIL		BEPR-1	100.08
GUARD RAIL BRIDGE END SECTION TYPE "I" (STEEL POST)		GR-2G	100.09
GUARD RAIL BRIDGE END SECTION TYPE "I" (WOOD POST)		GR-2F	100.10
GUARD RAIL: RUB RAIL HARDWARE SHEET		GR-RR	100.11
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE MEDIAN OR OUTSIDE LANE CLOSURE)(EXTENDED PERIOD)		SDTCP-3	100.12
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH(INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR OUTSIDE LANE CLOSURE)(EXTENDED PERIOD)		SDTCP-4	100.13
ROW MAP 1 OF 4			100.14
ROW MAP 2 OF 4			100.15
ROW MAP 3 OF 4			100.16
ROW MAP 4 OF 4			100.17
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GUARD RAIL : THRIE BEAM (WOOD POSTS)	(03-01-02)	GR-1A	181
GUARD RAIL : "W" BEAM (STEEL POSTS)	(03-01-02)	GR-1B	182
GUARD RAIL : MODIFIED THREE BEAM (STEEL POSTS)	(03-01-02)	GR-1C	183
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	(12-01-99)	GR-4	194
GUARD RAIL (TEMPORARY): TYPICAL INSTALLATION AT BRIDGE END DURING CONSTRUCTION PHASES	(03-01-02)	TGR-2	200
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TRAFFIC CONTROL PLAN (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

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

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BOX CULVERT DRAWING - BARREL JOINT LOCATIONS - NORMAL AND SKEWED CULVERTS - GROUP II DIAGRAMS		IBJL-1	366.2
BOX CULVERT DRAWING - BARREL JOINT LOCATIONS - NORMAL AND SKEWED CULVERTS - GROUP III DIAGRAMS		IBJL-1	366.3
COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE, AND QUADRUPLE)		ICJ-1	367
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SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS (26)			
			466-491
CROSS SECTIONS (67)			
			901-967
TOTAL SHEETS (278)			

1/13/2009 8:46 AM DI.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. : NH-0002-04(032)	
LOWNDES COUNTY	
WORKING NUMBER	DI-2
SHEET NUMBER	3
DATE	FILENAME: di.dgn
DESIGN TEAM	Williams
CHECKED	DATE 9-09-03

GENERAL NOTES

- ① 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.
- 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 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 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- ⑤ 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 GET UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
- 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 FOR LIST OF PUBLIC UTILITIES SEE WORKING NUMBER 3LT.
- ⑧ PRIOR TO POURING PAVED ISLANDS THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT SIGNS REQUIRED IN ISLANDS CAN BE LOCATED.
- 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 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.
- ⑩ 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.
- ⑪ FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS (SEE ICJ-1 FOR DETAILS)
- ⑫ ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, THE COST OF WHICH IS TO BE ABSORBED IN OTHER ITEMS BID.
- ⑬ SOME WORK MAY BE REQUIRED BEYOND THE BOP AND EOP. NO ADDITIONAL PAY WILL BE GIVEN EXCEPT FOR THE PAY ITEMS INCLUDED IN PLANS.

- ⑭ ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
- ⑮ ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- ⑯ 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.
- ⑰ 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)
- 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.

PLAN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/13/2009 8:41 AM D1.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
GENERAL NOTES			
PROJECT NO. : NH-0002-04(032)			
LOWNDES COUNTY			
WORKING NUMBER GN-1		SHEET NUMBER 4	
DATE	DESIGN TEAM	CHECKED	DATE

