

1st O. REV. GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	2
GENERAL NOTES	1
TYPICAL SECTIONS	8
QUANTITIES	9
PLAN AND PROFILES	10
SPECIAL DESIGN - ROADWAY ITEMS	50
BRIDGE DRAWINGS	28
SPECIAL DESIGN - BRIDGES	
CROSS-SECTIONS	

TOTAL SHEETS 109

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. NH-SP-0055-02(190)N

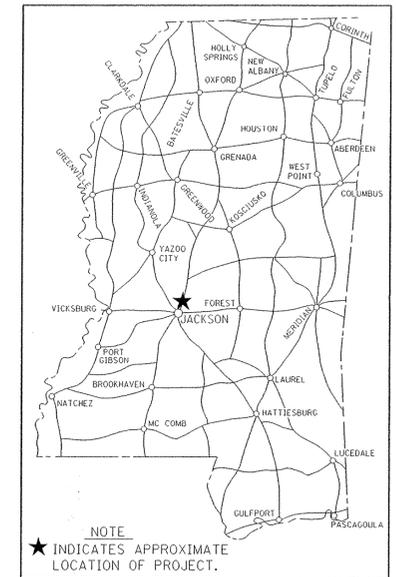
I-55 FROM OLD AGENCY TO HWY 463 PHASE 1 MADISON CO.

FMS CONST # 100486302000

SCALES

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

① 03-13-06  
RE: ① 06-16-06



BRIDGE STRUCTURES REQ'D.

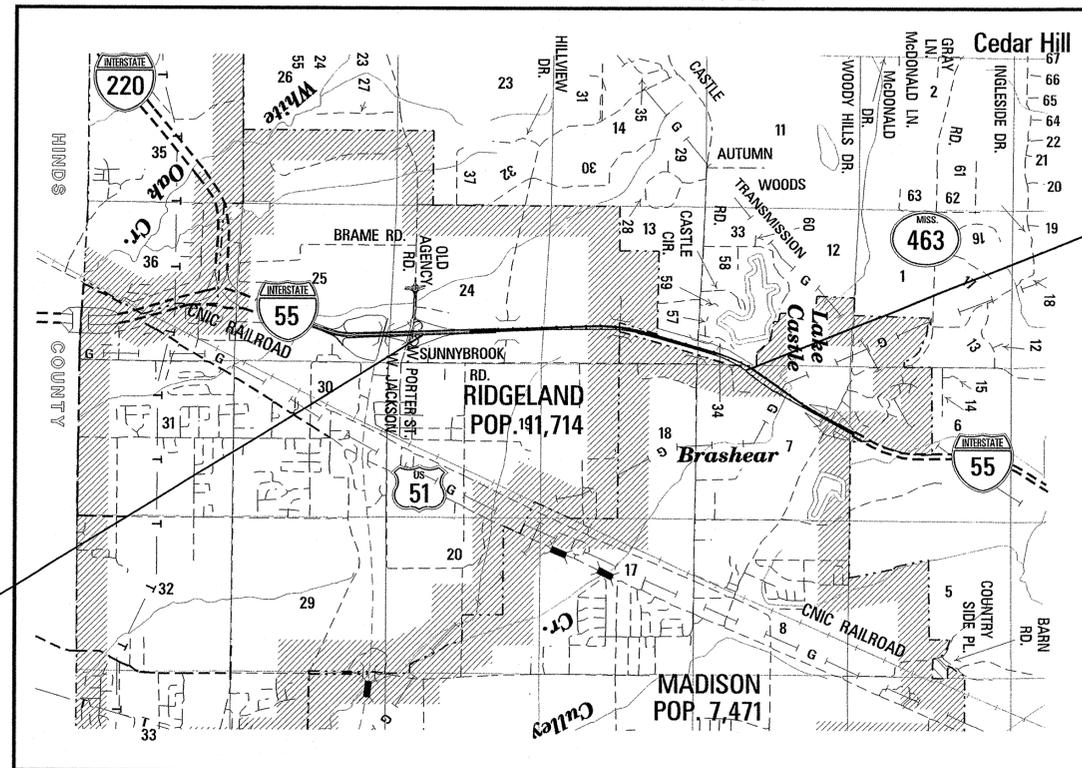
BRIDGE # 105.0  
BRIDGE ABUTMENT:  
OPPOSITE STA. 171+64.34 RIGHT LANES  
OPPOSITE STA. 171+75.40 LEFT LANES

BRIDGE # 106.3  
BRIDGE ABUTMENT:  
OPPOSITE STA. 238+99.09 RIGHT LANES  
OPPOSITE STA. 237+76.56 LEFT LANES

BOX BRIDGES REQ'D.

B.O.P.  
STA. 145 + 00

E.O.P.  
STA. 257 + 00



DESIGN CONTROL

70 MPH = V (SPEED DESIGN)

ADT (2008) = 76,000 ; ADT (2028) = 137,000

DHV = 12,000 ; D = 55 % T = 15 %

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

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: CKP DATE: 6/15/06

CONVENTIONAL SYMBOLS

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

LENGTH OF ROADWAY  
LENGTH OF BRIDGES  
LENGTH OF PROJECT (NET)  
LENGTH OF EXCEPTIONS  
LENGTH OF PROJECT (GROSS)

EQUATIONS

BK 219 + 90.53 =  
AH 219 + 24.30

LENGTH DATA

10,828.4 FT.	2.05 MI.
305.33 FT.	0.06 MI.
	2.11 MI.
0 FT.	0 MI.
	2.11 MI.

EXCEPTIONS

APPROVED: *Larry Lee James* 6-14-06  
CHIEF ENGINEER DATE

APPROVED: *Samuel R. Brown* 6-14-06  
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
DIVISION ADMINISTRATOR

FEDERAL HIGHWAY ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION

1 st O. REV.

STATE	PROJECT NO.
MISS.	NH-SP-0055-02(190)N

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)

1

DETAILED INDEX & GENERAL NOTES (3)

DETAILED INDEX  
GENERAL NOTES  
DETAILED INDEX (BRIDGE)

DI-1 2  
GN-1 3  
DI-2 4

TYPICAL SECTION SHEETS (8)

MAINLINE I-55, EXISTING STRUCTURE  
MAINLINE I-55, EXISTING STRUCTURE  
MAINLINE I-55, EXISTING STRUCTURE  
MAINLINE I-55, B.O.P. - STA. 166+00  
MAINLINE I-55, STA. 166+00 - 169+00  
MAINLINE I-55, STA. 169+00-238+00  
MAINLINE I-55, STA. 239+32 - 245+44  
MAINLINE I-55, STA. 245+44 - E.O.P.

TS-1 5  
TS-2 6  
TS-3 7  
TS-4 8  
TS-5 9  
TS-6 10  
TS-7 11  
TS-8 12

QUANTITY SHEETS (9)

SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES (BRIDGE)  
ESTIMATED QUANTITIES (REMOVAL ITEMS)  
ESTIMATED QUANTITIES (PAVEMENT MARKING ITEMS)  
ESTIMATED QUANTITIES (TRAFFIC CONTROL SIGNS)  
ESTIMATED QUANTITIES (DRAINAGE STRUCTURES)  
ESTIMATED QUANTITIES (GUARD RAIL REQ'D AND BRIDGE END PAVEMENT)  
ESTIMATED QUANTITIES (BRIDGE)

SQ-1 13  
SQ-2 14  
SQ-3 15  
EQ-1 16  
EQ-2 17  
EQ-3 18  
EQ-4 19  
EQ-5 20  
EQ-6 21

PLAN & PROFILE SHEETS (11)

I-55, - B.O.P. TO STA. 162+00, SOUTHBOUND  
I-55, - B.O.P. TO STA. 162+00, NORTHBOUND  
I-55, - STA. 162+00 TO STA. 190+00, SOUTHBOUND  
I-55, - STA. 162+00 TO STA. 190+00, NORTHBOUND  
STEED RD, STA. 14+64 - 26+00  
I-55, - STA. 190+00 TO STA. 220+00, SOUTHBOUND  
I-55, - STA. 190+00 TO STA. 220+00, NORTHBOUND  
I-55, - STA. 220+00 TO STA. 250+00, SOUTHBOUND  
I-55, - STA. 220+00 TO STA. 250+00, NORTHBOUND  
I-55, - STA. 250+00 TO STA. 280+00, SOUTHBOUND  
I-55, - STA. 250+00 TO STA. 280+00, NORTHBOUND

3LT 22  
3RT 23  
4LT 24  
4RT 25  
4A 26  
5LT 27  
5RT 28  
6LT 29  
6RT 30  
7LT 31  
7RT 32

DETAIL SHEETS (14) <sup>▲</sup>

VEGETATION SCHEDULE  
DETAIL OF AGRICULTURAL PASS @ CARL RD. & 8x5 BOX CULVERT  
PAVEMENT MARKING DETAILS, STA. 145+00 TO 151+00  
PAVEMENT MARKING DETAILS, STA. 151+00 TO 161+00  
PAVEMENT MARKING DETAILS, STA. 161+00 TO 169+00  
MISCELLANEOUS DETAIL: DETAILS OF RUMBLE STRIP (GROUND-IN)  
MISCELLANEOUS DETAIL: LOCATION OF R16-3 SIGNS (SPEEDING FINES DOUBLED)  
MISCELLANEOUS DETAIL: TRAFFIC CONTROL DETAIL OF DRUM PLACEMENT AND SHOULDER CLOSURE  
GUARD RAIL: BRIDGE END SECTION, TYPE "I" (WOOD POSTS)  
GUARD RAIL: BRIDGE END SECTION, TYPE "I" (STEEL POSTS)  
GUARD RAIL: RUB RAIL HARDWARE SHEET  
CAST-IN-PLACE MEDIAN BARRIER DETAIL  
STEED ROAD DETAIL  
<sup>▲</sup>MADISON AVE DETAIL

VS-1 33  
AP-1 34  
PMD-1 35  
PMD-2 36  
PMD-3 37  
RS1 38  
R16-3 39  
TCP-SC 40  
GR-2F 41  
GR-2G 42  
GR-RR 43  
MB-1 44  
LR-1 45  
LR-2 45.1

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DETAILS OF CONSTRUCTION SIGNING & TRAFFIC CONTROL PLAN (10)

TRAFFIC CONTROL NOTES  
DETAIL OF CONSTRUCTION SIGNING  
TRAFFIC CONTROL PLAN, LANE SHIFT @ STEED RD. AND MADISON AVE. BRIDGES  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 1 : MILL AND OVERLAY MEDIAN SHOULDER  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 2 : WIDENING AND NEW SHOULDER CONSTRUCTION, STA. 145+00-238+00  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 2 : WIDENING AND NEW SHOULDER CONSTRUCTION, STA. 238+00-E.O.P.  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 3 : CONSTRUCTION OF NEW OUTSIDE LANE  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 3 : CONSTRUCTION OF NEW OUTSIDE LANE  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 4 : CONSTRUCTION OF NEW INSIDE LANE  
TRAFFIC CONTROL TYPICAL SECTION  
PHASE 4 : CONSTRUCTION OF NEW INSIDE LANE

TC-1 46  
DCS-1 47  
TC-2 48  
TC-3 49  
TC-4 50  
TC-5 51  
TC-6 52  
TC-7 53  
TC-8 54  
TC-9 55

STANDARD DRAWINGS (27) <sup>▲</sup>

BRIDGE END PAVEMENT  
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS  
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMP (PARALLEL AND TAPER)  
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMP (PARALLEL AND TAPER)  
EROSION CONTROL  
<sup>▲</sup>TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, AND BRUSH BARRIER)  
<sup>▲</sup>TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)  
DETAILS OF TYPICAL DITCH TREATMENTS  
GUARDRAIL: "W" BEAM (WOOD POSTS)  
GUARDRAIL: "W" BEAM (STEEL POSTS)  
GUARDRAIL: BRIDGE END SECTION, TYPE "I" (WOOD POSTS)  
GUARDRAIL: BRIDGE END SECTION, TYPE "I" (STEEL POSTS)  
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS  
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS  
INNOVATIVE MEDIAN BARRIER: CONCRETE (CAST IN PLACE) TYPE 4 MODIFIED (42" HEIGHT)  
MEDIAN BARRIER: CONCRETE (PRECAST)  
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS  
TYPICAL GUARDRAIL DELINEATION  
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE LANE CLOSURE OF TWO-WAY TRAFFIC)  
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH  
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  
CONCRETE PIPE COLLAR  
FLARED END SECTION FOR CONCRETE PIPE

BE-1 107  
PM-1 120  
PM-3 122  
PM-4 123  
EC-1 140  
TEC-1 142  
TEC-1 143  
DT-1 145  
GR-1 180  
GR-1B 182  
GR-2F 190  
GR-2F 191  
GR-4 194  
GR-4C 195  
MB-2 204  
MB-2A 205  
SN-8 233  
SN-8C 236  
TCP-1 250  
TCP-4 253  
TCP-8 257  
TCP-10 259  
TCP-11 260  
TCP-14 263  
TCP-15 264  
PC-1 301  
FE-1 328

HARTER

PS & E PLANS - 15 JUN 2006		
FMS CON. # 100486/302000		
REVISIONS		
DATE	SHEET NO.	BY
7/28/06	1,2,3,9,10,11,13,14,45, 45.1	MH

119			
MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
<b>Detailed Index</b> (Roadway)			
Project No.: NH-SP-0055-02(190)N <sup>▲</sup>			WORKING NUMBER
County: Madison			DI-1
DATE	FILENAME:	INDEX_NEW.DGN	SHEET NUMBER
7/28/06	HARTER	CHECKED	DATE
			2

PLAN & PROFILE SHEETS (11)

FILES

SHEETS



1 st O. REV.

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).
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. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE FROM OCCURING DURING 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.
6. ALL PIPE JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 24" WIDTH. ALL PICKUP HOLES ARE TO BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).
7. ALL EXISTING CULVERT PIPES OR OTHER OBSTRUCTIONS THAT 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)
8. 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.
9. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
10. 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.
11. WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE.
12. 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.
13. VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.
14. ALL DIMENSIONS AND SPACINGS FOR BRIDGE RAIL CONNECTORS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
15. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECTS IN IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
16. 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.
17. REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY 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.
19. PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH THE STOCKPILED TOPSOIL. STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL FROM ROW WILL NOT BE MEASURED FOR PAY (NOT A SEPERATE PAY ITEM).
20. THE CONTRACTOR SHALL NOTIFY MISSISSIPPI LOGOS INC. (601-853-7100) OF THE SCHEDULE OF OPERATIONS SO THAT ALL LOGO SIGNS CAN BE MOVED BY MISSISSIPPI LOGOS IN A MANNER THAT WILL NOT IMPEDE THE PROGRESS OF THE PROJECT.
21. ANY REFERENCE TO PROJECT NUMBER IM-NH-0055-02(190) IS TO BE UNDERSTOOD THAT NH-SP-0055-02(190)N IS THE CORRECT PROJECT NUMBER.

PLAN  
GENERAL NOTES  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7/28/2006 11:24 PM GEN NOTES.DGN

				MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
				<b>GENERAL NOTES</b>			
				WORKING NUMBER			
				GN-1			
				SHEET NUMBER			
				3			
		DATE		FILENAME: GEN NOTES.DGN			
		7/28/06		DESIGN TEAM		HARTER	
				CHECKED		DATE	

