FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	105469	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

HURRICANE RESPONSE / INCIDENT MANAGEMENT PROJECT
HATTIESBURG, MISSISSIPPI
U.S. HWY. 49, U.S. HWY. 98, and I–59
FEDERAL AID PROJECT NO. ITS–0210–00(017)
FORREST and LAMAR COUNTIES

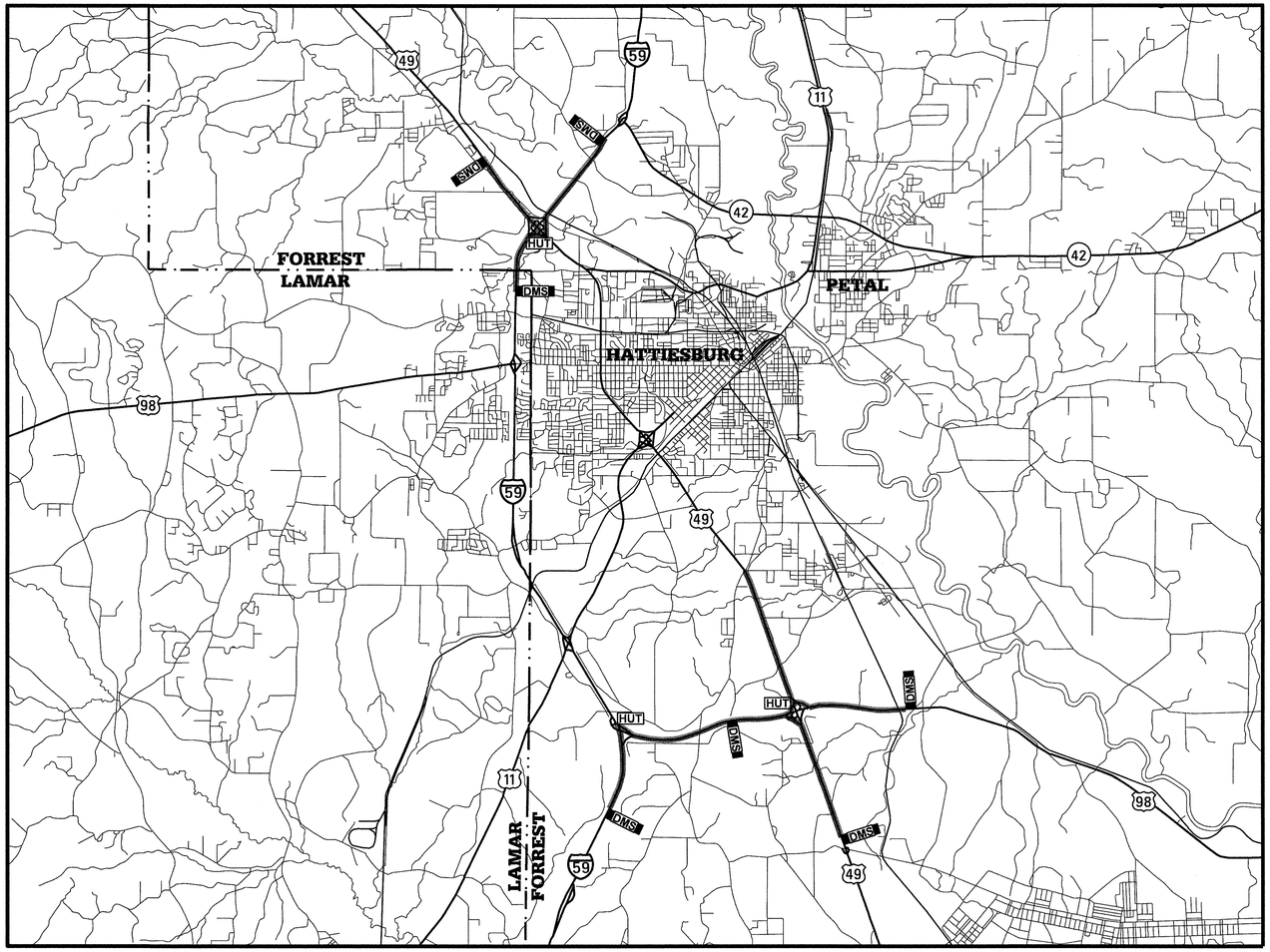
FMS CONST. 105469 / 301000

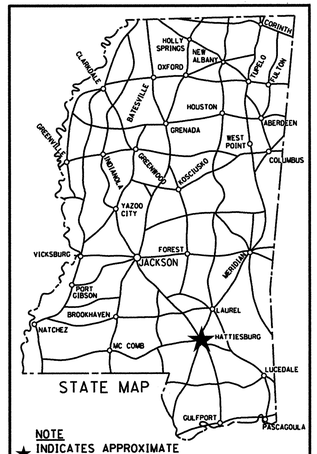
(1) 4-10-09

SCALES

PLAN 1 IN. = 100 FT.

LAYOUT 1 IN. = 6,000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 31° 18' 25" N LONG. 89° 18' 59" W
(APPROX. MIDDLE OF PROJECT)

UTILITIES

MISSISSIPPI POWER - ELECTRIC

PEARL RIVER VALLEY EPA - ELECTRIC

SOUTHERN PINE EPA - ELECTRIC

AT&T - TELECOM

TELEPAK - TELECOM

COMCAST - TELECOM

CITY OF HATTIESBURG - WATER / SEWER / TRAFFIC

LEGEND

FIBER OPTIC CABLE INSTALLATION

DMS DYNAMIC MESSAGE SIGN

HUT COMMUNICATIONS HUT

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	WATERS	WETLANDS
NATIONWIDE #14	N	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 N

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +)(NTB 586)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 14)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: ATM DATE: 4-10-09

APPROVED:

CHIEF ENGINEER 4.10.09 DATE

EXECUTIVE DIRECTOR 04/13/09 DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

REVISIONS | BY | DATE

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/8/2009 13:53:56 6958_COVER.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	ITS-0210-00(017)

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GENERAL NOTES & I.T.S. LEGEND	GN-1	3
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OVERALL PLAN SHEET (1)		
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ITS PLAN SHEETS (31)		
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ITS PLAN - INTERSTATE 59 - STA. 67+00 TO STA. 97+00	ITS-2	9
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ITS PLAN - U.S. HIGHWAY 98 - STA. 211+00 TO STA. 241+00	ITS-11	18
ITS PLAN - U.S. HIGHWAY 98 - STA. 241+00 TO STA. 271+00	ITS-12	19
ITS PLAN - U.S. HIGHWAY 98 - STA. 271+00 TO STA. 301+00	ITS-12A	20
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TOTAL SHEETS 87 ⚠

NEEL-SCHAFFER
Solutions you can build upon

PS & E PLANS - DATE 04/10/2009		
FMS CON. # 105469/301000		
REVISIONS		
DATE	SHEET NO.	BY
5/19/09	2, 4-7, 12, 13, 21, 28, 32, 33, 34, 38-44, 46, 48, 50-57, 60-62	CRH

WAYNE EDWARD MICHEL — REGISTERED PROFESSIONAL ENGINEER — ENGINEER 11856 — STATE OF MISSISSIPPI — 4-4-09

⚠ CRH — ADDED STANDARD DRAWING REVISION — 5/19/09

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJ. NO. ITS-0210-00(017)
COUNTY: FORREST & LAMAR
FILENAME: 6958 DI-1.dgn
DESIGN TEAM NS CHECKED DATE

WORKING NUMBER: DI-1
SHEET NUMBER: 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODY Y 09, 09 04PM DGNFILENAME

GENERAL NOTES

STATE	PROJECT NO.
MISS.	ITS-0210-00(017)

1. EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS OWN INDEPENDENT INVESTIGATIONS, INCLUDING SUB-SURFACE INVESTIGATIONS AS MAY BE NECESSARY TO LOCATE UTILITIES WITHIN THE PROJECT LIMITS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY MDOT DISTRICT SIX MAINTENANCE PERSONNEL AT LEAST TWO WEEKS IN ADVANCE OF WORK WITHIN EACH AREA, SO THAT MDOT UTILITIES CAN BE FIELD LOCATED.

2. 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. 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.

3. CLEARING AND GRUBBING, WHERE REQUIRED BY THE ENGINEER TO COMPLETE THE FIBER AND EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN ACCORDANCE WITH SECTION 201 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.

4. EQUIPMENT AND GUARD RAIL SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT AND GUARD RAIL SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT AND BEST SIGHT DISTANCE FOR DYNAMIC MESSAGE SIGNS, ADEQUATE ROADSIDE PROTECTION, ETC. THE CONTRACTOR SHALL STAKE EACH PROPOSED LOCATION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO REVIEW BY MDOT. THE COST OF FIELD STAKING WILL NOT BE MEASURED FOR SEPARATE PAYMENT AND SHALL BE ABSORBED UNDER OTHER ITEMS OF WORK. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PULLBOXES, AND CONDUIT WITHIN PUBLIC RIGHT-OF-WAY.

5. THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT AND CITY OFFICIALS, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICES. IF ELECTRICAL SERVICE REQUIRES A SERVICE METER TO BE INSTALLED, CONTRACTOR TO CONTACT THE ELECTRIC UTILITY OWNER. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS, POWER PANELS OR WOOD POLES TO PROVIDE POWER SERVICE SHALL BE COST ABSORBED. CONTRACTOR SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE.

6. PAYMENT FOR FIBER OPTIC CABLE, UNDERGROUND POWER CABLE AND CONDUIT SHALL BE MEASURED BASED ON HORIZONTAL MEASUREMENTS, NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.

7. 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.

8. FIBER OPTIC PULLBOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL FIBER CABLE SLACK (REFER TO SP 907-657-2 FOR REQ'D. SLACK LENGTHS). THE ADDITIONAL CABLE SHALL BE COST ABSORBED UNDER PAY ITEM 907-657-A OR B.

9. CONDUIT FOR DMS POWER SUPPLY MAY BE RUN IN THE SAME TRENCH LINE AS FIBER LINES (SEE WKG. NO. FO-1), HOWEVER, SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED. CONTRACTOR TO REVIEW FIBER PLANS BEFORE INSTALLING PULLBOXES AND FOUNDATIONS TO ASSURE ALL REQUIRED PULLBOXES AND CONDUITS ARE INSTALLED.

10. CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED, NOT A SEPARATE PAY ITEM (COST ABSORBED).

11. ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING EQUIPMENT WILL NOT BE A SEPARATE PAY ITEM AND SHALL BE COST ABSORBED.

12. UNDERGROUND DRILLED OR JACKED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF FIVE FEET AND UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONDUIT FOR FIBER OPTIC CABLE WILL BE REQUIRED TO UTILIZE LARGE RADIUS BENDS (MINIMUM 6' RADIUS). NO ELBOW JOINTS ALLOWED.

13. THE CONTRACTOR MAY DRILL OR JACK A SINGLE SLEEVE FOR INSTALLATION OF MULTIPLE CONDUITS AT BORED CROSSINGS, RATHER THAN DRILLING OR JACKING INDIVIDUAL CONDUITS. THE INSTALLATION OF THE SLEEVE AND THE CONDUITS SHALL BE PAID FOR AT THE BID PRICE FOR UNDERGROUND CONDUIT BANK (907-668-F - DRILLED OR JACKED) BASED ON THE NUMBER OF CONDUITS IN THE BANK (SHOWN ON PLANS). NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR THE LARGER SLEEVE. CONTRACTOR SHALL SUBMIT SIZE AND MATERIAL DATA OF THE SLEEVE TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

14. A TRACER (AWG #10 GREEN) WIRE SHALL BE INSTALLED IN ALL CONDUIT THAT CARRIES ONLY FIBER OPTIC CABLE AND SHALL BE ABSORBED UNDER PAY ITEM NO 907-657-A & B.

15. ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (INCLUDING SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SIDEWALKS, ASPHALT, CONCRETE, AND SOIL SHALL BE ABSORBED UNDER THE PAY ITEMS FOR THE CONDUIT.

16. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM).

17. ALL SIGNS AND TRAFFIC CONTROL DEVICES USED ON THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

18. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SURFACE TREATED SHOULDER WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDERS WILL BE PERFORMED IN ACCORDANCE WITH SECTION 410 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004 EDITION). NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDERS.

19. FOR MAINLINE FIBER CONDUIT BANKS, ONE OR MORE (AS INDICATED ON THE PLANS) OF THE CONDUITS WILL BE FOR FUTURE USE AND SHALL INCLUDE A PULL STRING.

20. SOME OF THE DYNAMIC MESSAGE SIGN AND CCTV CAMERA SITES WITHIN THIS PROJECT WILL REQUIRE CLEARING AND GRUBBING. CONTRACTOR SHALL REFER TO WKG. NO. MCD-1 FOR THE MINIMUM CLEARING LIMITS AT DMS SITES. ALL CLEARING INDICATED AND AS DIRECTED BY THE ENGINEER SHALL BE PAID UNDER PAY ITEM 201-B CLEARING AND GRUBBING PER ACRE.

21. PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH STOCKPILED TOPSOIL. THE COST OF STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL IS TO BE ABSORBED (NOT A SEPARATE PAY ITEM). TOPSOIL STRIPPED FROM CONSTRUCTION LIMITS WILL NOT BE INCLUDED IN THE MEASUREMENT OF OTHER EXCAVATION ITEMS

22. WHERE THE CONTRACTOR ENCOUNTERS PAVED DITCHES IN ROUTING OF CONDUIT, HE MAY TRENCH AND REPLACE THE PAVED DITCH OR DIRECTIONAL DRILL UNDER THE DITCH. THIS IS NOT A SEPARATE PAY ITEM. DAMAGE TO PAVED DITCHES (AND/OR STRUCTURES) CAUSED BY THE CONTRACTOR DURING THIS PROJECT SHALL BE REPAIRED (AS DIRECTED BY THE ENGINEER) AT NO ADDITIONAL COST TO THE STATE.

23. 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 SYSTEMS THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT PERSONS WORKING NEAR THE EXCAVATION. ALL COST FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE BID FOR CONTRACT ITEMS.

24. THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.

ITS LEGEND

	EXISTING	PROPOSED
CABLE - COMM.	C C	C C
CABLE - ELEC. (U/G IN COND.)	E E	E E
LABEL FOR CONDUIT AND CONDUIT TYPES	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]
PULL BOX - COMM.		
PULL BOX - ELEC.	PB	PB
LABEL FOR PULL BOX TYPE	X	X
DEMARC. PT. (POWER)		
TRAFFIC SIGNAL CABINET	TSC	TSC
CABINET (TYPE AS NOTED)	B	B
CCTV CAMERA (ALL TYPES)	CCTV	CCTV
DYNAMIC MESSAGE SIGN (DMS) (TYPE 1)	DMS	DMS
DYNAMIC MESSAGE SIGN (DMS) (TYPE 2)	DMS	DMS
RADAR DETECTION SYSTEM (RDS)	RDS	RDS
HIGHWAY ADVISORY RADIO SYSTEM (HAR)	HAR	HAR
HAR SIGN WITH FLASHING BEACONS	HAR SIGN	HAR SIGN
LABEL FOR DEVICE DESCRIPTIONS AND LOCATIONS	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]

ABBREVIATIONS

E.O.T.L. ..... EDGE OF TRAVEL LANE

F.O. ..... FIBER OPTIC

COMM. ..... COMMUNICATION

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & I.T.S. LEGEND

PROJ. NO. ITS-0210-00(017)

COUNTY: FORREST & LAMAR

WORKING NUMBER: GN-1

SHEET NUMBER: 3

FILENAME: 6958 GN-1.dgn

DESIGN TEAM NS CHECKED DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/8/2009 14:21:48 6958_GN-1.DGN