

**STATE OF MISSISSIPPI**  
**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**TRAFFIC SIGNAL IMPROVEMENTS**  
**U.S. HWY 90 - SR 43 / SR 603**  
**FEDERAL AID PROJECT NO. ER-NH-0003-01(109)**  
**FMS-104569/307000**  
**HANCOCK COUNTY**

**GENERAL INDEX**

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX AND QUANTITY SHEETS	3
TRAFFIC SIGNAL INSTALLATIONS	16
SPECIAL DESIGN SHEETS	9
STANDARD DRAWINGS	10
<b>TOTAL SHEETS</b>	<b>39</b>

02-20-07

**SCALES**

PLAN 1" = 30'  
 LAYOUT 1" = 3,300'

**UTILITIES**

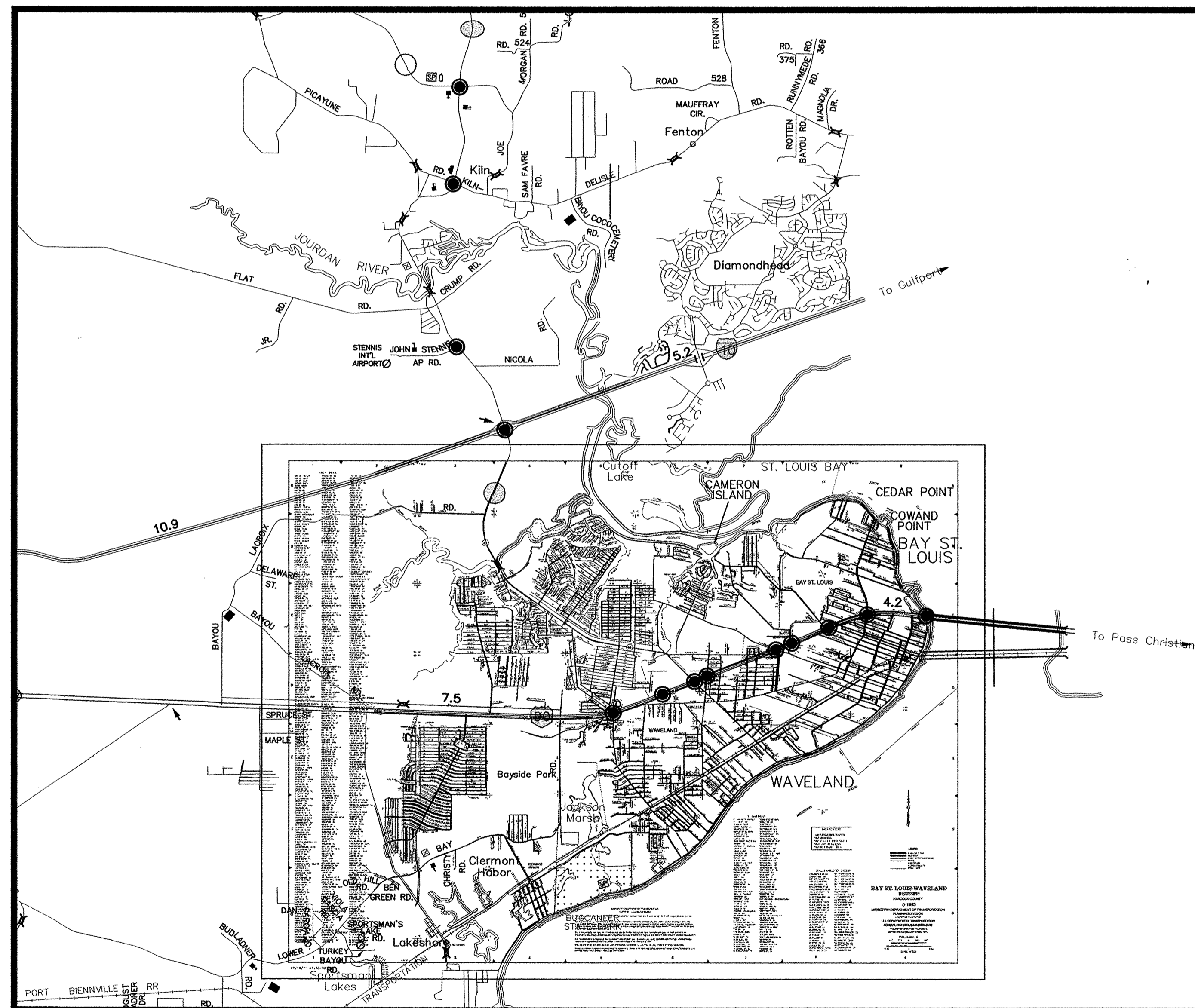
- MISSISSIPPI POWER
- COAST ELECTRIC
- ELECTRICITY
- BELLSOUTH
- SPRINT- FIBER OPTIC
- HANCOCK COUNTY
- CITY OF WAVELAND
- CITY OF BAY ST. LOUIS
- WATER/ SEWER/ GAS
- STENNIS AIRPORT
- KILN WATER ASSOCIATION

**SUGGESTED TOWER LOCATIONS**

- MDOT LYMAN OFFICE,  
LYMAN, MS -- MDOT
- HARRY STREET WATER TOWER, OPERATOR  
BAY ST. LOUIS, MS -- CITY OF BAY ST. LOUIS
- BALTIMORE STREET WATER TOWER, OPERATOR  
WAVELAND, MS -- CITY OF WAVELAND
- STENNIS AIRPORT WATER TOWER, OPERATOR  
KILN, MS -- CITY OF BAY ST. LOUIS
- DeDEAUX WATER TOWER, OPERATOR  
HANCOCK COUNTY, MS -- DeDEAUX WATER ASSOCIATION

**CONVENTIONAL SYMBOLS**

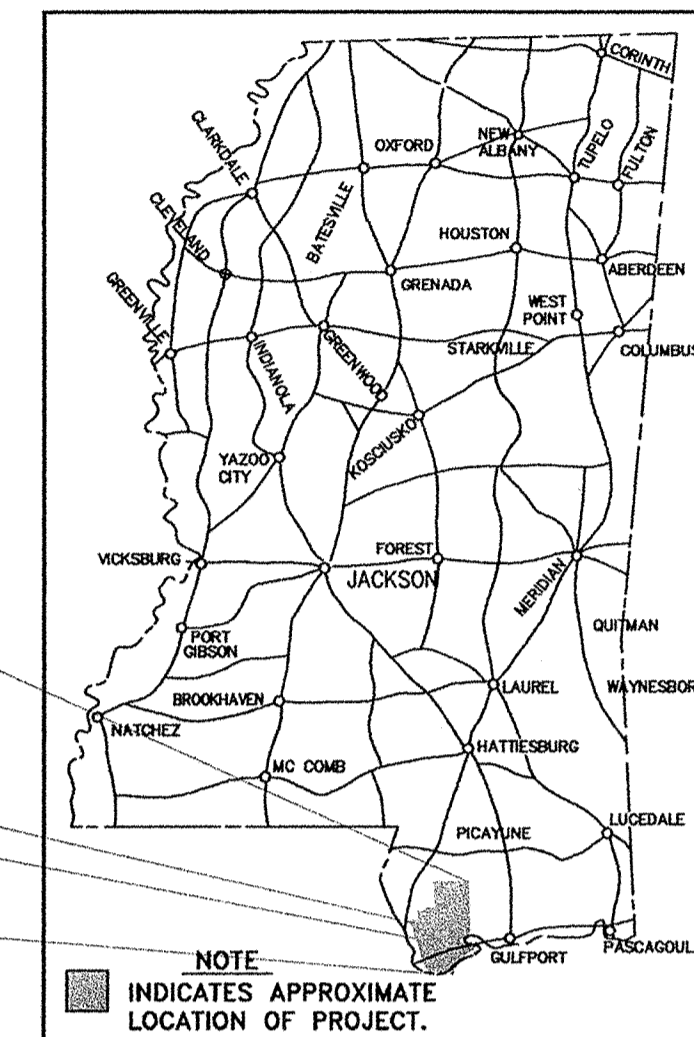
- COUNTY LINE.....
- TOWN CORPORATION LINE.....
- SECTION LINE.....
- ROAD OR TRAVELED WAY.....
- RAILROAD.....
- SURVEY LINE.....
- BRIDGES.....



**HANCOCK COUNTY**

ER-NH-0003-01(109)

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
	MISS.	ER-NH-0003-01(109)	1



HANCOCK COUNTY

DESIGN CONTROL	
45MPH = V (SPEED DESIGN)	
ADT(2005) = :29,000 ADT(2030) = 43,000	
DHV = 3190: D = 47 T = 8	

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	
WATERS WETLANDS	
NATIONWIDE #14	<input type="checkbox"/> N <input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input type="checkbox"/> N <input type="checkbox"/> N
GENERAL*	<input type="checkbox"/> N <input type="checkbox"/> N
INDIVIDUAL (404)*	<input type="checkbox"/> N <input type="checkbox"/> N

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

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

APPROVED BY: ATM DATE: 2/20/07

**LEGEND:**

- INTERSECTION LOCATION

APPROVED:	<i>Harry Lee James</i>	2/20/07
CHIEF ENGINEER		DATE
APPROVED:	<i>Samuel R. Brown</i>	2-20-07
EXECUTIVE DIRECTOR		DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:		
DIVISION ENGINEER		DATE
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		

HANCOCK COUNTY. 1



# DETAILED INDEX

TITLE SHEET	
DETAILED INDEX AND GENERAL NOTES	
SUMMARY OF QUANTITIES (NON TRAFFIC SIGNAL ITEMS)	
SUMMARY OF QUANTITIES (TRAFFIC SIGNAL ITEMS)	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ BEACH BLVD.	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ DUNBAR AVENUE	
SIDEWALK AND ISLAND PLAN - U.S. HWY. 90 @ DUNBAR AVENUE	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ MAIN STREET / BLUE MEADOW ROAD	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ DRINKWATER BLVD.	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ WASHINGTON STREET	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ McLAURIN STREET	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ MS. HWY. 43 / 603 / NICHOLSON AVE.	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ WALMART DRIVE	
TRAFFIC SIGNAL IMPROVEMENTS - U.S. HWY. 90 @ WAVELAND AVENUE	
TRAFFIC SIGNAL IMPROVEMENTS - MS. HWY. 43 / 603 @ I-10 RAMPS (WB)	
TRAFFIC SIGNAL IMPROVEMENTS - MS. HWY. 43 / 603 @ I-10 RAMPS (EB)	
TRAFFIC SIGNAL IMPROVEMENTS - MS. HWY. 43 / 603 @ STENNIS AIRPORT ROAD	
TRAFFIC SIGNAL IMPROVEMENTS - MS. HWY. 43 / 603 @ KILN - PICAYUNE ROAD	
TRAFFIC SIGNAL IMPROVEMENTS - MS. HWY. 43 @ MS. HWY. 603	
TRAFFIC SIGNAL IMPROVEMENTS - RADIO INTERCONNECT PLAN	

## SPECIAL DESIGN SHEETS

DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES	
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
PULLBOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
SPAN WIRE AND STEEL STRAIN POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE I POLE ATTACHMENTS AND MISC. DETAILS	
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	
CAMERA MOUNTING DETAILS	
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	
PROBE DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	

## STANDARD DRAWINGS

PAVEMENT MARKING FOR DETAILS 4-LANE AND 5-LANE UNDIVIDED ROADWAYS	
PAVEMENT MARKING LEGEND DETAILS	
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE LANE CLOSURE OF TWO-WAY TRAFFIC)	
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 M.P.H. (4- LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)	
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 M.P.H. (4- LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)	
DRIVEWAYS, CURB & GUTTER & SIDEWALK	
CURB - CUT RAMP	

TOTAL SHEETS = 39

WORKING NUMBER	SHEET NUMBER
	1
DI-1	2
SQ-1	3
SQ-2	4
TSI-1	5
TSI-2	6
SIP-1	7
TSI-3	8
TSI-4	9
TSI-5	10
TSI-6	11
TSI-7	12
TSI-8	13
TSI-9	14
TSI-10 A	15
TSI-10 B	16
TSI-11	17
TSI-12	18
TSI-13	19
TSI-14	20
TSD-1	21
TSD-2	22
TSD-3	23
TSD-4	24
TSD-5	25
TSD-6	26
TSD-7	27
TSD-8	28
TSD-9	29
PM-2	121
PM-6	125
SN-4	225
SN-4A	226
SN-4B	227
TCP-1	250
TCP-2	251
TCP-3	252
SD-1	287
CCR-1	289

# GENERAL NOTES

STATE	PROJECT NO.
MISS.	ER-NH-0003-01(109)

1. All signs, signals, pavement markings and temporary traffic control devices are to conform to the Manual on Uniform Traffic Control Devices (Latest Edition).
2. Specifications from the MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION by MISSISSIPPI DEPARTMENT OF TRANSPORTATION, English 2004 edition will be used unless otherwise noted by special provisions.
3. Underground utilities shown on plans are plotted in their approximate locations from the best information available to the Engineer. The Engineer does not guarantee their accuracy or guarantee that all utilities are shown. The Contractor shall be responsible for making his own independent investigations, including subsurface investigations, as may be necessary.
4. All poles, pullboxes, controllers, pavement markings and sidewalk ramps shall be field located by the Engineer and the Contractor at the nearest practical location indicated on the plan sheets.
5. All raised objects to be placed a minimum of 2 ft. behind face of curb. New Traffic Signal Poles to be placed a minimum of 5 ft. behind face of curb except where in conflict with utilities or right-of-way. Placement of raised objects and new poles shall conform to A.D.A. requirements.
6. All new signal mast arm poles to be powder coated, dark bronze in color. Contractor to verify all mast arm pole locations to be sure there are no utility conflicts prior to ordering poles.
7. All signal and pedestrian heads and push buttons to be black in color.
8. Traffic signal poles shall be designed in accordance with the 2001 AASHTO specifications, as amended. Basic wind speed for this project shall be 140 mph. Design life shall be 50 years. Fatigue Category shall be II. Galloping and truck induced wind loads shall not be considered. Ice loads for this project will not be considered. Any deviation from these criteria must be approved in writing by the Traffic Engineering Division, 601-359-1454.
9. Engineer to determine if existing advance detection signal equipment/material can be reused and quantities will be adjusted accordingly.
10. Signal controller timings to be provided by MDOT.
11. Interconnection to be ethernet wireless network (WAN). All equipment to be compatible with interconnect network.
12. Contractor shall make the application for power service, coordinating with City Officials, in advance of requiring the electrical service. Power service to be metered.
13. Contractor shall schedule work so that the change over from the existing signal system to the new signal system shall be done expeditiously. Contractor is required to provide for manual traffic control by contractor employed off-duty local law enforcement officers during the time the signal is out of operation. (Cost absorbed).
14. City poles (wood, concrete or steel) supporting only existing traffic signal equipment and/or street lights to be removed by contractor. All existing traffic signal equipment shall be removed and salvaged by the contractor with the cost to be absorbed. The existing poles, cabinets, controllers, traffic signal heads, and other items as noted on plans are to be delivered to MDOT maintenance facility in Lyman, MS. as directed by the engineer. All other signal equipment shall become the property of the contractor. Poles and foundations of existing signal installations shall be cut off 6" below ground or removed and area restored to match adjacent surface as directed by the engineer.
15. 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.
16. Contractor shall not be allowed to close a lane of traffic 7:00 - 9:00 A.M., 4:00 - 6:00 P.M., Mondays - Fridays.
17. New pavement markings may be placed over existing markings where noted or as directed by the Engineer.
18. See Working Number TSD-1 for additional general notes. See Working Number SQ-1 & 2 for specific pay item notes.

## LEGEND

- BASE OR POLE MOUNTED CABINET FOR SIGNAL CONTROLLER
- EXISTING MAST ARM POLE
- MAST ARM POLE REQUIRED
- EXISTING PULLBOX
- PULLBOX REQUIRED
- EXISTING SIGNAL HEAD
- SIGNAL HEAD REQUIRED / TYPE
- SIGN
- QUADRAPOLE VEHICLE LOOP DETECTOR
- VEHICLE LOOP DETECTOR NUMBER
- OPTICAL DETECTOR UNIT
- VIDEO DETECTOR / PTZ / FIXED CAMERA
- TRENCHED CONDUIT
- ROLL PIPE
- MAST ARM STREET NAME SIGN
- ANTENNA FOR INTERCONNECT
- SHIELDED CABLE
- O.D.C. OPTICAL DETECTOR CABLE
- POW POWER CABLE
- 7c NUMBER OF CONDUCTORS

FMS - 104569/307000

PS & E PLANS - DATE 02-20-07		
REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX AND GENERAL NOTES</b>	
PROJECT NO.: ER-NH-0003-01(109)	
COUNTY: HANCOCK	
DATE	WORKING NUMBER
	DI-1
	SHEET NUMBER
	2
FILENAME: Projects\Codfiles\.....\Tsd-1.dwg	
DESIGN TEAM: Need-Schaffer, Inc. CHECKED: DATE: xx	