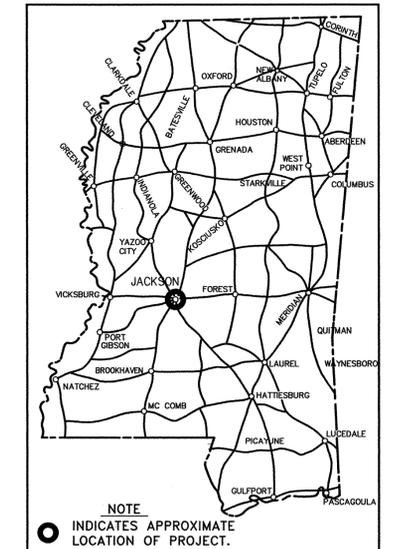


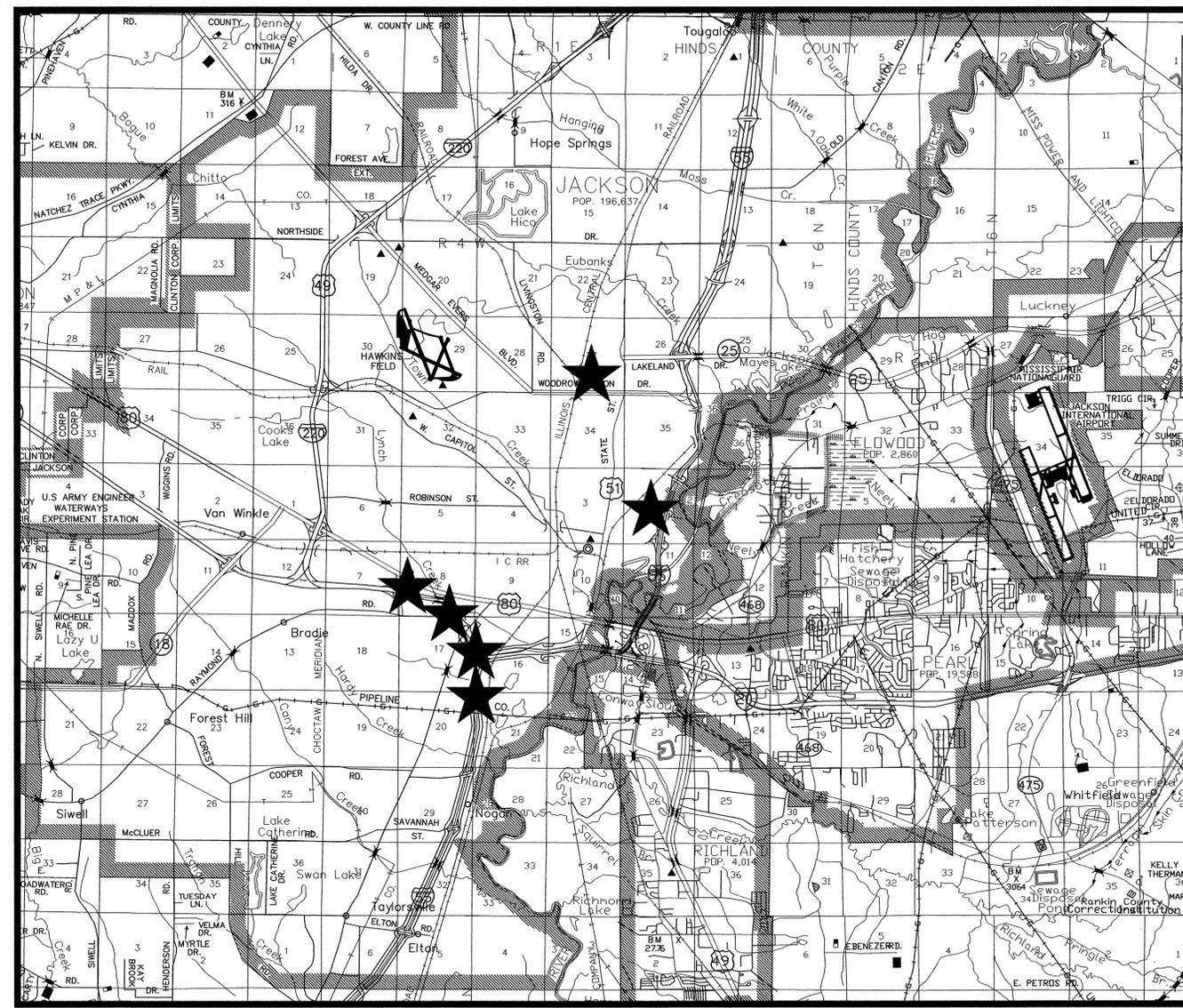
STATE OF MISSISSIPPI  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**STACK AREA I.T.S.**  
**ITS Communication Hubs, Fiber Install**  
**I-20, 1-55, HIGH ST. & WEST ST.**  
**NH-9999-00(331) / 103811 301000**

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
	MISS.	NH-9999-00(331)	1



SCALES  
PLAN 1" = 50'  
LAYOUT 1" = 1 MILE



**CITY OF JACKSON**  
**HINDS COUNTY**

**GENERAL INDEX**

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX AND QUANTITY SHEET	2
INTERCONNECT PLANS	8
SPECIAL DESIGN SHEETS	5
STANDARD DRAWINGS	2
<b>TOTAL SHEETS</b>	<b>18</b>

06-16-05

**UTILITIES**

- ENERGY - ELECTRIC
- ATMOS ENERGY - GAS
- BELLSOUTH - TELEPHONE
- AT&T - TELEPHONE
- MCI - TELEPHONE
- CITY OF JACKSON - WATER/ SEWER/TRAFFIC

**CONVENTIONAL SYMBOLS**

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

PERMITS ACQUIRED BY MDOT	
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	
	WATERS WETLANDS
NATIONWIDE #14	<input checked="" type="checkbox"/>
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/>
GENERAL*	<input checked="" type="checkbox"/>
INDIVIDUAL (404)*	<input checked="" type="checkbox"/>
*ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR	
<b>STORMWATER PERMIT</b>	
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:	DATE: 06/16/05

**LEGEND:**  
★ SITE LOCATIONS

REVISIONS	DATE	BY	APPROVED:	DATE
			<i>[Signature]</i> CHIEF ENGINEER	6/16/05
			<i>[Signature]</i> EXECUTIVE DIRECTOR	6-16-05
MISSISSIPPI DEPARTMENT OF TRANSPORTATION				
APPROVED:				
DIVISION ENGINEER DATE				
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION				

# DETAILED INDEX

	WORKING NUMBER	SHEET NUMBER
TITLE SHEET		1
DETAILED INDEX AND GENERAL NOTES	DI-1	2
SUMMARY OF QUANTITIES	SQ-1	3
<b>TRAFFIC SIGNAL INTERCONNECT PLANS</b>		
I-55 SOUTH - I-55 TIE-IN TO McDOWELL RD.	TSIP-1	4
I-55 SOUTH - McDOWELL RD. TO I-55 RAMP	TSIP-2	5
I-20/I-55 SOUTH INTERCHANGE - I-55 RAMP	TSIP-3	6
I-20 AT TERRY RD.	TSIP-4	7
I-20 AT RAYMOND RD.	TSIP-5	8
I-20 AND VALLEY ST. AT U.S. HWY. 80	TSIP-6	9
HIGH STREET - GREYMONT TO I-55	TSIP-7	10
NORTH WEST STREET - WOODROW WILSON TO MDOT	TSIP-8	11
<b>SPECIAL DESIGN SHEETS</b>		
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES	TSD-1	12
FIBER OPTIC PULLBOX, CONDUIT TRENCHING AND MISCELLANEOUS DETAILS	FO-1	13
FIBER OPTIC UNDERGROUND ENTRANCE DETAILS	FO-2	14
FIBER OPTIC CAMERA POLE DETAILS	FO-3	15
TRAFFIC CONTROL PLAN TYPICAL SIGNAL INSTALLATION	TSD-6	16
<b>STANDARD DRAWINGS</b>		
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 M.P.H. (4 LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE), (WORK DAY ONLY).	TCP-2	251
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 M.P.H. OR 70 M.P.H. (INTERSTATE AND OTHER DIVIDED HIGHWAYS), (MEDIAN LANE OR OUTSIDE LANE CLOSURE), (WORK DAY ONLY).	TCP-5	254
<b>TOTAL SHEETS</b>		<b>18</b>

## PLAN LEGEND

 EXISTING MULTIPLEX CABINET	 COMMUNICATIONS HUT
 PULLBOX (TYPE 4 or 5)	 NEW P/P
 CAMERA POLE (TYPE I)	 EXISTING P/P
 PTZ CAMERA	 ROLL PIPE
 FIXED CAMERA	 TRENCHED CONDUIT

## GENERAL NOTES

- ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2003 EDITION AND ALL SUBSEQUENT REVISIONS).
- 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. CONTRACTOR SHALL LOCATE STORM DRAINAGE, LIGHTING CIRCUITS AND FOUNDATIONS AND BRIDGE FOUNDATIONS TO AVOID ANY DAMAGE TO EXISTING STRUCTURES.
- EQUIPMENT SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT FOR BEST CAMERA VIEW, BEST SITE FOR CABINET, PULLBOXES, ETC. CONTRACTOR TO STAKE THE PROPOSED LOCATION A MINIMUM OF FIVE WORKING DAYS PRIOR TO REVIEW BY MDOT. CONTRACTOR TO INSTALL ALL EQUIPMENT, PULL BOXES, AND CONDUIT WITHIN PUBLIC RIGHT-OF-WAY.
- 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 SERVICE METER TO BE INSTALLED, CONTRACTOR TO CONTACT ENTERGY. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS OR WOOD POLES TO PROVIDE POWER SERVICE TO BE COST ABSORBED.
- PAYMENT FOR FIBER OPTIC CABLE, UNDERGROUND POWER CABLE AND CONDUIT SHALL BE BASED ON HORIZONTAL MEASUREMENTS, WITH NO EXTRA PAY FOR ANY VERTICAL RUNS.
- CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE A LANE OF TRAFFIC 6:30 - 9:00 A.M. AND 4:00 - 6:30 P.M. MONDAYS - FRIDAYS.
- 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.
- ALL PULLBOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL FIBER CABLE SLACK (50' FOR TYPE 4, 100' FOR TYPE 5). THE ADDITIONAL CABLE WILL BE COST ABSORBED UNDER PAY ITEM NO. 657-A.
- CONDUIT FOR CAMERA POWER SUPPLY CAN BE RUN IN THE SAME TRENCH LINE AS FIBER LINES. USE SAME PULLBOXES AND POLE BASES AS PULLING POINTS. CONTRACTOR TO REVIEW FIBER PLANS BEFORE INSTALLING PULLBOXES AND POLE BASES TO ASSURE ALL REQUIRED CONDUIT IS INSTALLED.
- WHEN FIBER OPTIC CONDUIT AND OTHER CONDUIT ARE RUN IN THE SAME TRENCH, THE FIBER OPTIC SHALL BE ON THE BOTTOM.
- CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED.
- FIBER SUPPLIER/CONTRACTOR TO DECIDE WHERE TRUNK SPLICES TO BE LOCATED. MDOT TO APPROVE LOCATIONS PRIOR TO ORDERING FIBER CABLE.
- ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING SIGNAL EQUIPMENT SHALL NOT BE A SEPARATE PAY ITEM AND BE COST ABSORBED. CONTRACTOR TO SPLICE EXISTING 48 SM/12 MM FIBER INTO NEW 72 SM TRUNK FIBER @ I-55 SOUTH, HWY. 80, HIGH STREET AND WOODROW WILSON. REMAINING EXISTING 12 MM & NEW 24 SM TO REMAIN DARK FOR FUTURE USE.
- FIBER OPTIC UNDERGROUND JACKED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF SIX FEET. FIBER OPTIC UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONDUIT FOR FIBER OPTIC CABLE REQUIRED TO UTILIZE LARGE RADIUS BENDS (MINIMUM RADIUS 6"). NO ELBOW JOINTS ALLOWED.
- A TRACER (AWG #10 GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES ONLY FIBER OPTIC CABLE, ABSORBED UNDER PAY ITEM NO. 657-A OR B.
- ALL REMOVAL AND REPLACEMENT OF SOD, SIDEWALK, ASPHALT AND CONCRETE, AND BACKFILL ARE COST ABSORBED AND CONSIDERED PART OF THE COST OF THE CONDUIT.
- CONTRACTOR SHALL INSTALL ALL UNDERGROUND CONDUIT AND CONNECT CONDUIT TO EXISTING CITY PULLBOXES IN ORDER TO GAIN ACCESS TO EXISTING CITY OF JACKSON FIBER OPTIC SYSTEM.
- CONTRACTOR TO COORDINATE CONNECTIONS TO CITY OF JACKSON PULL BOX/FIBER TRUNK LINE LOCATIONS WITH THE TRAFFIC ENGINEERING DIVISION, DPW.
- CONTRACTOR IS RESPONSIBLE TO REPAIR ANY ITEMS THE CONTRACTOR DAMAGES DURING THE CONSTRUCTION OF THIS PROJECT, EG. PIPES, PAVED DITCHES, WALLS, END SECTIONS, WIRING ETC. AT NO COST TO MDOT.
- CAMERAS, ADDITIONS TO TMC AND ANY OTHER NEW SIGNAL EQUIPMENT SHALL BE COMPATIBLE WITH THE EXISTING MDOT ATMS COMPUTING AND COMMUNICATION SYSTEMS.

STATE	PROJECT NO.
MISS.	NH-9999-00(331)

FMS # 103811/301000

REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX AND GENERAL NOTES</b>	
PROJECT NO.: NH-9999-00(331)	
COUNTY: HINDS	
FILENAME: Projects\Confiles\4460-12	WORKING NUMBER DI-1
DESIGN TEAM: Neel-Schaffer, Inc. CHECKED	SHEET NUMBER 2
DATE: 5-2005	

ROADWAY DESIGN PLAN, C.A.D. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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