

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. HSIP-0055-02(241)
JACKSON METRO INCIDENT MANAGEMENT/RWIS PROJECT
HINDS AND RANKIN COUNTIES**

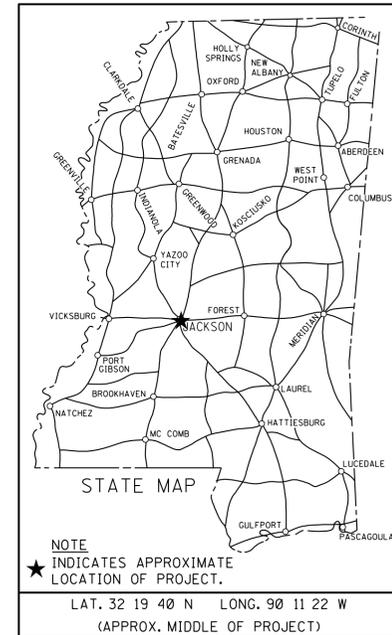
FMS 106870 / 301000
FMS 106870 / 302000

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY	1
<input type="checkbox"/> PERMANENT SIGNS	1001
<input type="checkbox"/> TRAFFIC SIGNALS	2001
<input checked="" type="checkbox"/> ITS COMPONENTS	3001
<input type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input type="checkbox"/> BRIDGE STANDARD DWGS	7001
<input type="checkbox"/> BRIDGE	8001
<input type="checkbox"/> CROSS SECTIONS	9001

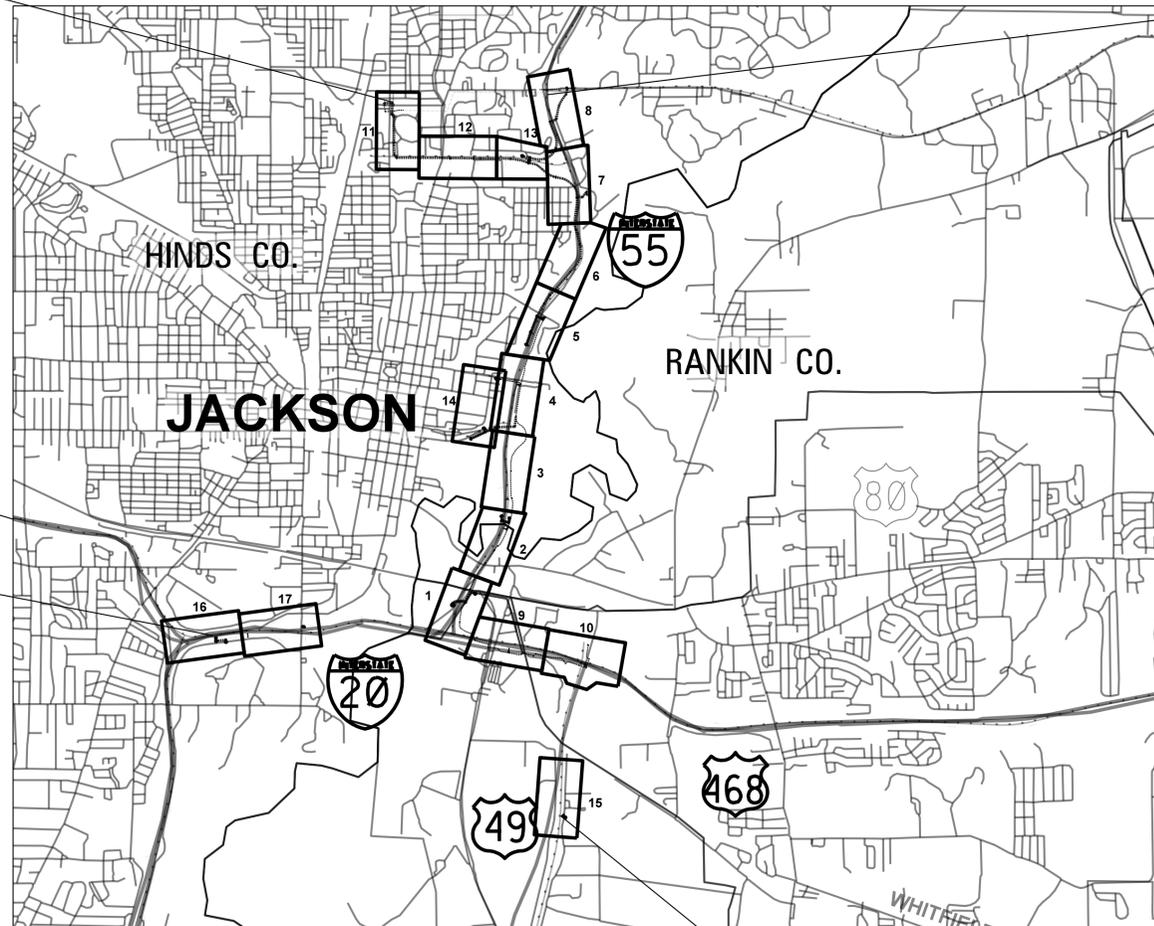
SCALES
PLAN 1 IN. = 100 FT.
LAYOUT 1 IN. = 3500 FT.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	HSIP-0055-02(241)	1



B.O.P. PROJECT LIMITS
STA. 7021+00

E.O.P. PROJECT LIMITS
STA. 2611+00



E.O.P. PROJECT LIMITS
STA. 1322+00

E.O.P. PROJECT LIMITS
STA. 6120+00

LENGTH DATA

LENGTH OF PROJECT (GROSS) 54237.02 FT. 10.27 MI.

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR		
STORMWATER PERMIT <input type="checkbox"/>		
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)	
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)	
APPROVED BY: _____		

P S & E DATE: 08 /19 /14

APPROVED: _____

DEPUTY EXECUTIVE DIRECTOR /CHIEF ENGINEER

EXECUTIVE DIRECTOR



DATE: 08/19/14

B:\19\2014_1\08\0812\B.L.E.-DGN TITLE DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

I.T.S. LEGEND

DESCRIPTION OF SHEET	REVISION DATE	WORKING NUMBER	SHEET NUMBER
TITLE SHEET (1)			1
DETAILED INDEX AND GENERAL NOTES SHEETS (2)			
DETAILED INDEX & I.T.S. LEGEND (1)		DI-1	2
GENERAL NOTES (1)		GN-1	3
QUANTITY SHEETS (4)			
SUMMARY OF QUANTITIES		SQ-1	4
ESTIMATED QUANTITIES (3)		EQ-1 TO EQ-3	5 - 7
OVERALL PLAN SHEET (1)			
PROJECT LOCATION PLAN		LP-1	8
CONSTRUCTION SIGNING SHEET (1)			
CONSTRUCTION SIGNING LAYOUT		CS-1	9
MISCELLANEOUS ROADWAY SHEETS (5)			
BREAKAWAY SIGN SUPPORTS		SDSN-6B	10
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS		SDTCP-10	11
SPECIAL POST DESIGN FOR ADVANCE WARNING FLASHING ASSEMBLY		SSD-1	12
TRAFFIC CONTROL PLAN NOTES		TC-1	13
TRAFFIC CONTROL PLAN - DRUM PLACEMENT AND SHOULDER CLOSURE		TCP-SC	14
ITS PLAN SHEETS (17)			
ITS PLANS - INTERSTATE 55 - STA. 2395+00 - STA. 2615+00 (8)		ITS-1 TO ITS-8	3001 - 3008
ITS PLANS - INTERSTATE 20 - STA. 1423+11 - STA. 1452+00 (2)		ITS-9 TO ITS-10	3009 - 3010
ITS PLANS - N. WEST ST. - STA. 7020+00 - STA. 6018+50		ITS-11	3011
ITS PLANS - E. WOODROW WILSON AVE. - STA. 6018+50 - STA. 6088+00 (2)		ITS-12 TO ITS-13	3012 - 2013
ITS PLANS - E. PEARL ST. - STA. 8000+00 - STA. 8012+00		ITS-14	3014
ITS PLANS - US 49 - STA. 6115+00 - STA. 6140+00		ITS-15	3015
ITS PLANS - INTERSTATE 20 & 55 - STA. 1310+00 - STA. 1363+50 (2)		ITS-16 TO ITS-17	3016 - 3017
ITS DETAIL SHEETS (18)			
AERIAL SUPPORTED CONDUIT - NOTES DNA TYPICAL DETAILS (2)		ASC-1 TO ASC-2	3018 - 3019
CABINET DETAILS - TYPE B & C CABINET DETAILS		CAB-1	3020
CCTV DETAILS - POLE MOUNTED CCTV DETAILS		CCTV-1	3021
CCTV DETAILS - STRUCTURE MOUNTED CCTV DETAILS		CCTV-2	3022
EROSION CONTROL PLAN - ITS DETAILS		EC-1	3023
EQUIPMENT DETAILS - SITE BLOCK DIAGRAMS		ED-1	3024
FIBER OPTIC DETAILS - PULLBOX AND CONDUIT TRENCHING DETAILS		FO-1	3025
FIBER OPTIC DETAILS - CABINET ENTRANCE DETAILS		FO-2	3026
FIBER OPTIC DETAILS - CABLE MANAGEMENT DETAILS		FO-3	3027
FIBER OPTIC DETAILS - FIBER SPLICING DETAILS		FO-4	3028
FIBER OPTIC DETAILS - SYSTEM BLOCK DIAGRAM		FO-5	3029
FIBER OPTIC DETAILS - TERMINATION CABINET TABLES (2)		FO-6 TO FO-7	3030 - 3031
ELECTRICAL DETAILS - POWER SERVICE DETAILS		POW-1	3032
RWIS DETAILS - STRUCTURE MOUNTED CCTV & TEMPERATURE SENSOR DETAILS		RWIS-1	3033
WARNING DETAILS - BRIDGE ICES BEFORE ROAD SIGN AND FLASHING BEACON DETAILS (2)		WAR-1 TO WAR-2	3034 - 3035
ROADWAY STANDARD DRAWINGS (3)			
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	6225
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH - (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)		TCP-2	6251
OTHER 4-LANE DIVIDED HIGHWAYS (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)		TCP-5	6254

	EXISTING	PROPOSED
CABLE - COMM.		
CABLE - ELEC. (UG IN COND.)		
PULL BOX - COMM.		
PULL BOX - ELEC.		
LABEL FOR PULL BOX TYPE		
DEMARC. PT. (POWER ONLY)		
TRAFFIC SIGNAL CABINET		
CABINET (TYPE AS NOTED)		
CCTV (ALL TYPES)		
DMS (OVERHEAD)		
DMS (PEDESTAL)		
RADAR DETECTION SYSTEM (RDS)		
ADVANCED WARNING SIGN WITH FLASHING BEACON		
WIRELESS ANTENNA		
TRANSFORMER		
RWIS ICE SENSOR		
SIGN STRUCTURE (OVERHEAD)		
SURFACE MOUNTED PULLBOX		

B:\19\2014_10\00\29_DI-01.dgn MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE: 08/19/14

GRESHAM SMITH AND PARTNERS MS, P.C.		
PS & E PLANS-DATE 08/19/14		
FMS CON. # 106870/301000_302000		
REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX & I.T.S. LEGEND	
PROJECT NO. HSIP-0055-02(241)	WORKING NUMBER
COUNTY: HINDS & RANKIN	DI-1
FILENAME: DI-01.dgn	SHEET NUMBER
DESIGN TEAM GS&P	2
CHECKED	DATE



GENERAL NOTES

GENERAL NOTES

- ① CLEARING AND GRUBBING, WHERE REQUIRED BY THE PROJECT ENGINEER TO COMPLETE THE EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN CONFORMANCE WITH SECTION 201 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION. HOWEVER, THE COST OF CLEARING AND GRUBBING OPERATIONS WILL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT WILL BE ABSORBED UNDER OTHER ITEMS.
- ② ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
- ③ UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS OWN INDEPENDENT INVESTIGATIONS, INCLUDING SUBSURFACE INVESTIGATIONS AS MAY BE NECESSARY TO LOCATE UTILITIES WITHIN PROJECT WORK LIMITS. IN ADDITION, CONTRACTOR SHALL NOTIFY THE MDOT PROJECT ENGINEER AT LEAST TWO WEEKS IN ADVANCE OF WORK AT EACH SITE SO THAT MDOT UTILITIES (E.G., LIGHTING CONDUIT) CAN BE FIELD LOCATED.
- ④ EQUIPMENT SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT SHALL BE FIELD STAKED BY THE CONTRACTOR AND APPROVED BY MDOT TO VERIFY PROPER PLACEMENT. CONTRACTOR TO 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, BUT WILL BE ABSORBED UNDER OTHER ITEMS. CONTRACTOR TO INSTALL ALL EQUIPMENT WITHIN PUBLIC RIGHT-OF WAY.
- ⑤ IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES (E.G., 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 SHALL BE MADE FOR REPLACEMENT OF DAMAGED ITEMS.
- ⑥ ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (TO INCLUDE GRASSING AND SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SOD, SIDEWALK, ASPHALT AND CONCRETE, AND BACKFILL ARE COST ABSORBED AND CONSIDERED PART OF THE COST OF THE WORK.
- ⑦ THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PAVED SHOULDER (ASPHALT OR CONCRETE) WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH SECTION 403, 410, AND 501 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.
- ⑧ WORK ON STRUCTURES FOR THIS PROJECT 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 PERSONS WORKING NEAR THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING AND CONSTRUCTING THE SUPPORT SYSTEM SHALL BE INCLUDED IN THE BID FOR CONTRACT ITEMS.
- ⑨ THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.
- ⑩ ALL BASELINES SHOWN ON THESE PLANS ARE FOR GRAPHICAL REFERENCE PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.
- ⑪ THE CONTRACTOR IS CAUTIONED THAT THERE MAY BE ACTIVE CONSTRUCTION PROJECTS IN THE AREA. IF SO, COORDINATION WILL BE REQUIRED WITH THE ADJOINING CONTRACTOR THROUGH THE ENGINEER TO AVOID CONFLICTS IN MAINTAINING TRAFFIC AND SIGNING. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- ⑫ ALL POST LENGTHS FOR SIGNS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.
- ⑬ CONDUIT FOR POWER SUPPLY MAY BE IN RUN WITH THE SAME TRENCH (CONDUIT BANK) AS FIBER LINES, THOUGH SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED.
- ⑭ PAYMENT FOR FIBER OPTIC CABLE, RDS COMM CABLE, UNDERGROUND POWER CABLE AND CONDUIT SHALL BE BASED ON HORIZONTAL MEASUREMENTS, WITH NO ADDITIONAL PAYMENT FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.
- 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 ALL 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 (SEE SPEC. PROVISION 907-657 FOR DETAILS). THE ADDITIONAL CABLE WILL BE COST ABSORBED UNDER PAY ITEM NO. 907-657-A.

- ⑰ ALL CONDUITS TO BE SEALED WITH DUCT PLUG TO PREVENT WATER INTRUSION ONCE CABLE IS INSTALLED. COST TO BE ABSORBED IN CONDUIT PAY ITEMS.
- ⑱ ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING EQUIPMENT SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE ABSORBED UNDER ITEM NOS. 907-657-A OR 907-657-B.
- ⑲ FIBER OPTIC UNDERGROUND JACKED (BORED) CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF FIVE 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 MINIMUM 6" RADIUS BENDS. NO ELBOW JOINTS ALLOWED.
- ⑳ A TRACER (AWG #10 GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES FIBER OPTIC CABLE. COST OF THE TRACER WIRE SHALL BE ABSORBED UNDER PAY ITEM NO. 907-657-A OR 907-657-B.
- ㉑ WHERE THE CONTRACTOR ENCOUNTERS PAVED DITCHES IN ROUTING OF CONDUIT, HE MAY TRENCH AND REPLACE DITCH OR JACK UNDER DITCH. THIS IS NOT A SEPARATE PAY ITEM. DAMAGE TO PAVED DITCHES (AND/OR OTHER STRUCTURES) CAUSED BY CONTRACTOR DURING THIS PROJECT SHALL BE REPAIRED (AS DIRECTED BY THE ENGINEER) AT NO COST TO THE STATE.
- ㉒ REEL-END SPLICE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND SHALL NOT OCCUR MORE OFTEN THAN EVERY 10,000 FEET. REEL-END SPLICES SHALL BE MADE IN A TYPE 5 PULLBOX AND SHALL UTILIZE A TYPE 5 PULL BOX ALREADY SHOWN ON THE PLANS, UNLESS OTHER LOCATIONS ARE APPROVED BY THE ENGINEER.
- ㉓ 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 SHALL BE ABSORBED IN OTHER ITEMS BID.
- ㉔ 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 THE ELECTRIC UTILITY OWNER. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS OR WOOD POLES TO PROVIDE POWER SERVICE TO BE COST ABSORBED. CONTRACTOR SHALL ESTABLISH POWER SERVICE IN HIS OR HER NAME UTILIZING HIS OR HER BILLING ADDRESS, AND SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE.
- ㉕ THE CONTRACTOR MAY JACK OR BORE A SINGLE SLEEVE FOR INSTALLATION OF MULTIPLE CONDUITS AT A ROADWAY CROSSING, RATHER THAN JACKING OR BORING INDIVIDUAL CONDUITS. THE INSTALLATION OF THE SLEEVE AND THE FIRST CONDUIT SHALL BE PAID FOR AT THE BID PRICE FOR UNDERGROUND CONDUIT (DRILLED OR JACKED). ADDITIONAL CONDUITS PLACED IN THE SLEEVE SHALL BE PAID FOR AT THE BID PRICE FOR REGULAR UNDERGROUND CONDUIT. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR LARGER SLEEVE. CONTRACTOR SHALL SUBMIT SIZE OF SLEEVE AND MATERIALS DATA TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

UTILITIES

- ENERGY - ELECTRIC
- SOUTHERN EPA - ELECTRIC
- ATMOS ENERGY - NATURAL GAS
- BELLSOUTH - TELECOM.
- AT&T - TELECOM.
- MCI - TELECOM.
- COMCAST - TELECOM.
- CITY OF JACKSON - WATER /SEWER /TRAFFIC

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
GENERAL NOTES	
PROJECT NO. HSIP-0055-02(241)	
COUNTY: HINDS & RANKIN	
WORKING NUMBER	GN-1
FILENAME: GN-01.DGN	SHEET NUMBER
DESIGN TEAM GSP	CHECKED
DATE	DATE
REVISION	BY



WORKING NUMBER
GN-1
SHEET NUMBER
3