FED. ROAD REG. NO.	STATE	COUNTY	PROJECT NO.	SHEET NO.
4	MISS.	ADAMS	ITS–9999–09(028)	1
4	MISS.	WARREN	ITS–9999–09(028)	1

GENERAL INDEX

INCLUDED THIS PROJECT		BEGIN WITH SHEET
☒	ROADWAY	1
☒	PERMANENT SIGNS	1001
☐	TRAFFIC SIGNALS	2001
☒	ITS COMPONENTS	3001
☐	LIGHTING	4001
☐	(RESERVED)	5001
☒	ROADWAY STANDARD DWGS	6001
☐	BRIDGE STANDARD DWGS	7001
☐	BRIDGE	8001
☐	CROSS SECTIONS	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI RIVER INCIDENT MANAGEMENT, FREIGHT MOVEMENT AND SECURITY PROJECT FEDERAL AID PROJECT NO. ITS–9999–09(028)

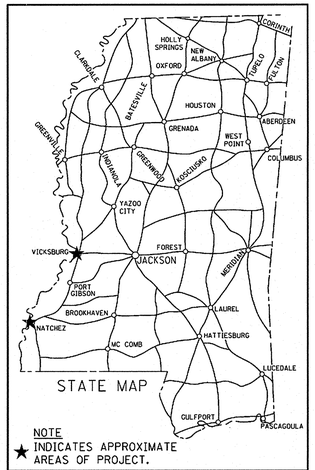
ADAMS AND WARREN COUNTIES, MISSISSIPPI CONCORDIA AND MADISON PARISHES, LOUISIANA

WARREN COUNTY AND MADISON PARISH – FMS CONST# 106397–301000

ADAMS COUNTY AND CONCORDIA PARISH – FMS CONST# 106397–302000

SCALES

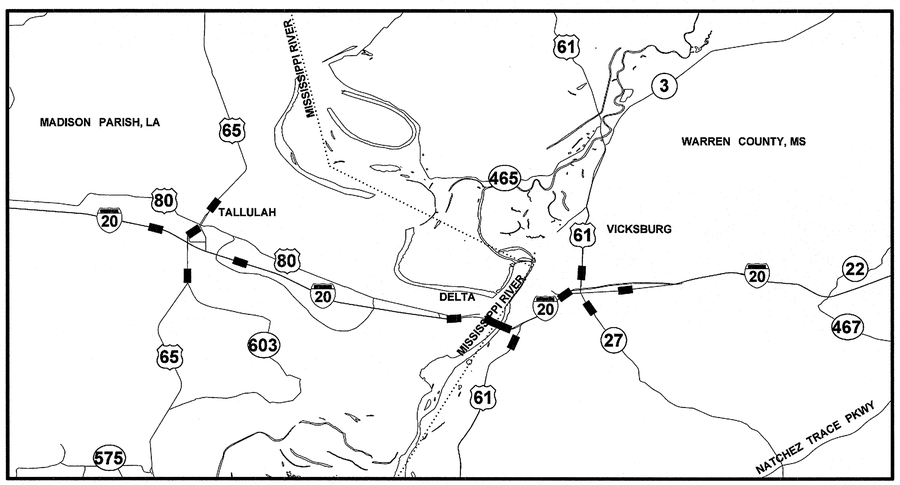
PLAN	1 IN. = 100 FT.
LAYOUT	1 IN. = 6000 FT.



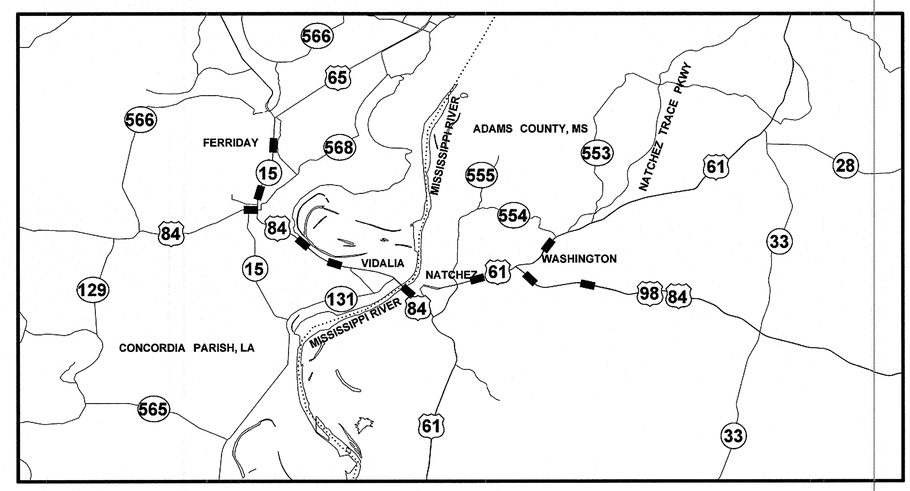
NOTE
★ INDICATES APPROXIMATE AREAS OF PROJECT.

VICKSBURG, MS
LAT. 32° 21'9.48"N LONG. 90° 52'40.38"W
(APPROX. MIDDLE OF PROJECT)

NATCHEZ, MS
LAT. 31° 33'37.49"N LONG. 91° 24'11.41"W
(APPROX. MIDDLE OF PROJECT)



PROJECT LOCATION MAP
VICKSBURG, MS
TALLULAH, LA



PROJECT LOCATION MAP
NATCHEZ, MS
FERRIDAY & VIDALIA, LA

LEGEND

▬ PROJECT AREAS

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 (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: JOC DATE: 3/12/13

MS ITS PLANS

JOHN M. RAINWATER III, REGISTERED PROFESSIONAL ENGINEER, 13510, STATE OF MISSISSIPPI
02/28/13

LA ITS PLANS

STATE OF LOUISIANA, JONATHAN N. FOX, License No. 33027, PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
3/1/13

RTRC PLANS & DETAILS

JONATHAN EARL THOMAS, REGISTERED PROFESSIONAL ENGINEER, 19938, STATE OF MISSISSIPPI
02-28-2013

APPROVED:
CHIEF ENGINEER — DATE 3/12/13
EXECUTIVE DIRECTOR — DATE 03.12.13
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

3/1/2013 10:57:13 TITLE.DGN

1st O.REV.

STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (7)		
DETAILED INDEX	DI-1	2
DETAILED INDEX	DI-2	3
GENERAL NOTES & I.T.S. LEGEND	GN-1	4
GENERAL NOTES CONT'D	GN-2	5
GENERAL NOTES CONT'D	GN-3	6
GENERAL NOTES CONT'D	GN-4	7
GENERAL NOTES CONT'D	GN-5	8
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SUMMARY OF QUANTITIES	SQ-2	10
SUMMARY OF QUANTITIES (ADD OPTION 1)	SQ-3	11
SUMMARY OF QUANTITIES (ADD OPTION 2)	SQ-4	12
SUMMARY OF QUANTITIES (ADD OPTION 3)	SQ-5	13
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ESTIMATED QUANTITIES - ITS ITEMS - MADISON PARISH & WARREN COUNTY	EQ-2	15
ESTIMATED QUANTITIES - ITS ITEMS - (ADD OPTIONS) - MADISON PARISH & WARREN COUNTY	EQ-3	16
ESTIMATED QUANTITIES - ITS ITEMS - CONCORDIA PARISH & ADAMS COUNTY	EQ-4	17
ESTIMATED QUANTITIES - ITS ITEMS - CONCORDIA PARISH & ADAMS COUNTY	EQ-5	18
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FIBER OPTIC DETAILS - CABLE MANAGEMENT DETIALS	FO-3	24
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AERIAL SUPPORTED CONDUIT - NOTES AND TYPICAL DETAILS	ASC-2	26
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CABINET DETAILS - TYPE C COMMUNICATIONS CABINET DETAILS	CAB-2	28
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CCTV DETAILS - PIER CAP - MOUNTED CCTV DETAILS (WITH LOWERING DEVICE)	CCTV-2	31
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REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - VICKSBURG BRIDGE	RTRC-03	36
REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - VICKSBURG BRIDGE	RTRC-04	37
REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - NATCHEZ BRIDGE	RTRC-05	38
REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - NATCHEZ BRIDGE	RTRC-06	39
REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - NATCHEZ BRIDGE	RTRC-07	40
REAL TIME RIVER CURRENT DETECTOR - PIER MOUNT RTRC ASSEMBLY - NATCHEZ BRIDGE	RTRC-08	41
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HAR DETAILS - COVERAGE MAP - CONCORDIA PARISH, LA / ADAMS COUNTY, MS	HLP-2	1002
PERMANENT SIGNING PLAN - SOUTHBOUND US HIGHWAY 65	PSP-1	1003
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PERMANENT SIGNING PLAN - WESTBOUND LA HIGHWAY 602	PSP-3	1005
PERMANENT SIGNING PLAN - EASTBOUND LA HIGHWAY 602	PSP-4	1006
PERMANENT SIGNING PLAN - NORTHBOUND US HIGHWAY 61	PSP-5	1007
PERMANENT SIGNING PLAN - NORTHBOUND MS HIGHWAY 27	PSP-6	1008
PERMANENT SIGNING PLAN - WESTBOUND INTERSTATE-20	PSP-7	1009
PERMANENT SIGNING PLAN - SOUTHBOUND US HIGHWAY 61 N	PSP-8	1010
PERMANENT SIGNING PLAN - SOUTHBOUND LA HIGHWAY 15	PSP-9	1011
PERMANENT SIGNING PLAN - EASTBOUND US HIGHWAY 84	PSP-10	1012
PERMANENT SIGNING PLAN - WESTBOUND US HIGHWAY 84/98	PSP-11	1013
PERMANENT SIGNING PLAN - SOUTHBOUND US HIGHWAY 61	PSP-12	1014

DESCRIPTION OF SHEET		WKG. NO.	SH. NO.
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ITS PLAN - INTERSTATE 20 AND US HIGHWAY 65 INTERCHANGE- HAR SITE #1		ITS-2	3002
ITS PLAN - INTERSTATE 20 - BRIDGE APPROACH (LA)		ITS-3	3003
ITS PLAN - INTERSTATE 20 - BRIDGE APPROACH (LA)		ITS-4	3004
ITS PLAN - INTERSTATE 20 - BRIDGE APPROACH (LA)		ITS-5	3005
ITS PLAN - INTERSTATE 20 - BRIDGE MAIN SPAN		ITS-6	3006
ITS PLAN - INTERSTATE 20 - BRIDGE APPROACH (MS)		ITS-7	3007
ITS PLAN - INTERSTATE 20 AND INDIANA AVENUE INTERCHANGE - HAR SITE #2		ITS-8	3008
ITS PLAN - INTERSTATE 20 - DMS SITE #2		ITS-9	3009
ITS PLAN - US HIGHWAY 425 AND ARKANSAS STREET INTERSECTION - HAR SITE #3		ITS-10	3010
ITS PLAN - US HIGHWAY 84 - DMS SITE #3		ITS-11	3011
ITS PLAN - US HIGHWAY 84 - BRIDGE APPROACH (MS)		ITS-12	3012
ITS PLAN - US HIGHWAY 61 AND STARNES DRIVE INTERSECTION - DMS SITE #4		ITS-13	3013
ITS PLAN - US HWY 98 AND POOR FARM ROAD INTERSECTION - HAR SITE #4		ITS-14	3014
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DMS DETAILS - EASTBOUND INTERSTATE 20 - DMS SITE #1		DMS-1	3015
DMS DETAILS - WESTBOUND INTERSTATE 20 - DMS SITE #2		DMS-2	3016
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HAR DETAILS - HAR SYSTEM DETAILS		HAR-1	3019
HAR DETAILS - HAR SIGN AND FLASHING BEACON DETAILS		HAR-2	3020
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GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS	3-01-02	GR-4C	6197
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON 2-LANE, 2-WAY HIGHWAYS	3-01-02	GR-4D	6198
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BREAKAWAY SIGN SUPPORTS		SN-6	6229
BREAKAWAY SIGN SUPPORTS		SN-6A	6230
SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	3-01-02	SN-7	6232
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TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 MPH OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)		TCP-5	6254
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DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMPS		TCP-12	6261

MS ITS PLANS

JOHN M. RAINWATER, REGISTERED PROFESSIONAL ENGINEER, 13610, STATE OF MISSISSIPPI

02/28/13

LA ITS PLANS

STATE OF LOUISIANA, JONATHAN N. FOX, License No. 33277, PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

3/1/13

RTRC PLANS & DETAILS

JONATHAN EARL THOMAS, REGISTERED PROFESSIONAL ENGINEER, 19938, 02-28-2013, STATE OF MISSISSIPPI

Stantec

PS & E PLANS-DATE 03.01.13		
FMS CON. # 106397/301000 & 106397/302000		
REVISIONS		
DATE	SHEET NO.	BY
03/07/13	9,10,12,13,14,15,16,17,18	SBJ
03/18/13	13,14,16,3003	SBJ

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)

ADAMS & WARREN CO., MS
CONCORDIA & MADISON PAR., LA

WORKING NUMBER DI-1

FILENAME: DI-1.dgn

DESIGN TEAM STANTEC CHECKED DATE

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2013 1:03:19 DI-1.DGN

STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
LOUISIANA STANDARD DRAWINGS (24)		
TEMPORARY TRAFFIC CONTROL: GENERAL NOTES SHEET	TC-00 (A)	-
TEMPORARY TRAFFIC CONTROL: GENERAL NOTES SHEET	TC-00 (B)	-
TEMPORARY TRAFFIC CONTROL: GENERAL NOTES SHEET	TC-00 (C)	-
TEMPORARY TRAFFIC CONTROL: LAYOUT FOR PLACEMENT OF ROAD WORK SIGNS	TC-00 (D)	-
TRAFFIC CONTROL LAYOUT: FOR WORK GREATER THAN 15' FROM THE TRAVEL WAY	TC-01	-
TEMPORARY TRAFFIC CONTROL: LAYOUT FOR WORK LESS THAN 15' FROM THE TRAVEL WAY	TC-02	-
TEMPORARY TRAFFIC CONTROL: LAYOUT FOR LANE CLOSURES ON TWO LANE ROADS	TC-03	-
TEMPORARY TRAFFIC CONTROL LAYOUT: FOR LANE CLOSURES ON TWO LANE ROADS WITH TWO-WAY TRAFFIC (FLAGGING OPERATIONS)	TC-04	-
TRAFFIC CONTROL LAYOUT: FOR LANE CLOSURE ON FOUR-LANE UNDIVIDED HIGHWAYS	TC-06	-
TRAFFIC CONTROL LAYOUT: FOR LANE CLOSURES ON DIVIDED HIGHWAYS	TC-09	-
TRAFFIC SIGNAL AND INSTALLATION DETAILS: JUNCTION BOX AND PULL BOX	TSD-09	-
HIGHWAY GUARD RAILS: BRIDGE APPLICATION	GR-200-01	-
HIGHWAY GUARD RAILS: GUARD RAIL TABLES AND LAYOUTS	GR-200-02	-
HIGHWAY GUARD RAILS: THRIE BEAM GUARD RAIL TRANSITION TO BRIDGE RAIL	GR-200-03	-
HIGHWAY GUARD RAILS: GUARD RAIL LAYOUT AND SECTIONS	GR-200-04	-
HIGHWAY GUARD RAILS: BRIDGE END MEDIAN GUARD RAIL AND CURVE GUARD RAIL LAYOUT	GR-200-05	-
HIGHWAY GUARD RAILS: BRIDGE ENDS (T-INTERSECTION)	GR-200-06	-
HIGHWAY GUARD RAILS: GUARD RAIL POST AND BLOCK	GR-200-07	-
HIGHWAY GUARD RAILS: RAIL STRUCTURAL DETAILS	GR-200-08	-
HIGHWAY GUARD RAILS: STRUCTURAL DETAILS	GR-200-09	-
HIGHWAY GUARD RAILS: MISCELLANEOUS DETAILS	GR-200-10	-
OBJECT MARKERS, MILEPOST AND DEAD END ROAD INSTALLATIONS	HS-03	-
TEMPORARY EROSION CONTROL DETAILS	EC-01	-
TEMPORARY EROSION CONTROL DETAILS	EC-012	-

TOTAL SHEETS -- 130

Stantec

PS & E PLANS-DATE 03.01.13		
FMS CON. # 106397/301000 & 106397/302000		
REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)

ADAMS & WARREN CO., MS
CONCORDIA & MADISON PAR., LA

WORKING NUMBER
DI-2

SHEET NUMBER
3

REVISION | BY | DATE

FILENAME: DI-1.dgn

DESIGN TEAM STANTEC CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/1/2013 09:02:55 DI-1.DGN

STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

MISSISSIPPI GENERAL NOTES

GENERAL SCOPE OF WORK

THIS PROJECT INVOLVES WORK ON THE MISSISSIPPI RIVER BRIDGES THAT BORDER MISSISSIPPI AND LOUISIANA (VICKSBURG AND NATCHEZ). SPECIFIC ELEMENTS TO BE IMPLEMENTED AT EACH LOCATION INCLUDE CCTV CAMERAS, VEHICLE DETECTION SYSTEMS (RDS), DYNAMIC MESSAGE SIGNS (DMS), ROAD WEATHER INFORMATION SYSTEMS (RWIS), HIGHWAY ADVISORY RADIO SYSTEM (HAR), REAL–TIME RIVER CURRENT (RTRC) DATA SENSORS, AND COMMUNICATION SYSTEMS TO TRANSMIT ALL DATA AND VIDEO TO THE MDOT STATEWIDE TRAFFIC MANAGEMENT CENTER IN JACKSON, MISSISSIPPI.

THERE IS A SECOND SIMILAR PROJECT THAT COVERS THE MISSISSIPPI RIVER BRIDGES THAT BORDER MISSISSIPPI AND ARKANSAS (HELENA AND GREENVILLE).

BOTH PROJECTS ARE TO BE FUNDED BY THE SAME GRANT SOURCE AND HAVE A MAXIMUM LIMIT ON COSTS. FOR THIS REASON BOTH PROJECTS CONTAIN A BASE BID ALONG WITH ADD OPTIONS TO ENSURE THE COSTS WILL NOT EXCEED THE BUDGET. BIDDERS ARE REQUIRED TO BID ON BASE BID AS WELL AS ALL ADD OPTIONS. MDOT HAS THE SOLE DISCRETION TO SELECT WHICH, IF ANY, ADD OPTIONS WILL BE ADDED TO THE CONTRACT. BOTH PROJECTS WILL BE BID WITH A CONTRACT TIME NO EXCUSE COMPLETION DATE FOR THE ENTIRE COMPLETION OF WORK INCLUDING THE BASE BID AND ANY SELECTED ADD OPTIONS, REFER TO THE NOTICE TO BIDDERS SECTION OF THE CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION.

THIS PROJECT HAS A BASE BID SECTION FOR INSTALLING THE SPECIFIC ELEMENTS LISTED IN THE GRANT APPLICATION AND THREE (3) SEPARATE ADD OPTION SECTIONS. ADD OPTION 1 IS EXTENDING THE FIBER FROM THE MIDDLE OF THE MISSISSIPPI RIVER BRIDGE (VICKSBURG) TO THE LOUISIANA SIDE. OPTION 2 IS EXTENDING THE FIBER FROM THE LOUISIANA SIDE END OF THE BRIDGE TO THE PROPOSED CAMERA SITE. OPTION 3 IS TO ADD CAMERA POLE, CAMERA, AND ASSOCIATED SITE COMPONENTS.

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 CONSTRUCTIONS, 2004 EDITION. THE COST OF CLEARING AND GRUBBING OPERATIONS SHALL BE ABSORBED IN OTHER PAY ITEMS.

2. ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2003 EDITION AND ALL SUBSEQUENT REVISIONS).

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 MDOT DISTRICT 3 MAINTENANCE PERSONNEL (CONTACT: DURWOOD GRAHAM 662–746–2513) 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 AND GUARD RAIL SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT SHALL BE FIELD LOCATED AND STAKED BY THE CONTRACTOR WITH STAKED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT AND BEST SIGHT DISTANCE FOR DYNAMIC MESSAGE SIGNS, ADEQUATE ROADSIDE PROTECTION, ETC. 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, PULL BOXES, AND CONDUIT WITHIN PUBLIC RIGHT OF WAY.

ITS LEGEND FOR PHOTO BASE MAPPING

	EXISTING	PROPOSED
CABLE - COMM.	c c	c c
CABLE - ELEC. (OVERHEAD)	P	P
CABLE - ELEC. (U/G IN COND.)	P UG	P UG
LABEL FOR CABLE AND CONDUIT TYPES	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]	[CONDUIT DESCRIPTION(S)] / [CABLE DESCRIPTION(S)]
PULL BOX - COMM.		
PULL BOX - ELEC.	Pe	
(LA) PULL BOX - COMM. (TYPE LA)		
(LA) PULL BOX - ELEC. (TYPE F)	Pe	
PULL BOX - SURFACE MOUNTED	SP	SP
LABEL FOR PULL BOX TYPE	X	X
DEMARC. PT. (POWER & COMM.)		
DEMARC. PT. (POWER ONLY)	O	O
TRAFFIC SIGNAL CABINET	TSC	TSC
CABINET (ALL OTHER TYPES)	EC	EC
CCTV (ALL TYPES)	CCTV	CCTV
LABEL FOR DEVICE DESCRIPTIONS AND LOCATIONS	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]	[DEVICE #(S) & DESCRIPTION(S)] / [LOCATION DESCRIPTION(S)]

	EXISTING	PROPOSED
DMS (OVERHEAD)	DMS	DMS
DMS (ROADSIDE)	DMS	DMS
DMS (CANTILEVER)	DMS	DMS
DMS (PORTABLE)	DMS	DMS
RADAR DETECTION SYSTEM (RDS)	RDS	RDS
VIDEO DETECTOR	VDS	VDS
HAR TRANSMITTER	HAR	HAR
HAR SIGN WITH FLASHING BEACONS	HAR SIGN	HAR SIGN
ROAD WEATHER INFORMATION SYSTEM (RWIS)	RWIS	RWIS
REAL TIME RIVER CURRENT DATA SYSTEM (RTRC)	RTRC	RTRC
WIRELESS TRANSMISSION TOWER / ANTENNA	ANTENNA	ANTENNA
GUARD RAIL		

5. CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT 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.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & ITS LEGEND

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)
COUNTY: ADAMS & WARREN

FILENAME: GN-1.dgn
DESIGN TEAM STANTEC CHECKED DATE

WORKING NUMBER GN-1
SHEET NUMBER 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
3/1/2013 10:11:11 GN-1.DGN

STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

MISSISSIPPI GENERAL NOTES (CONTINUED)

6. PAYMENT FOR FIBER OPTIC CABLE, POWER CABLE AND CONDUIT SHALL BE BASED ON HORIZONTAL MEASUREMENTS, WITH NO ADDITIONAL PAYMENT 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. ALL FIBER OPTIC PULLBOXES SHALL BE EITHER TYPE 4, TYPE 5, OR TYPE LA AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL FIBER CABLE SLACK (SEE SPEC. PROVISION 907–657–X FOR DETAILS). THE ADDITIONAL CABLE WILL BE COST ABSORBED UNDER PAY ITEM NO. 907–657–A(B).

9. CONDUIT FOR POWER SUPPLY MAY BE RUN IN THE SAME TRENCH LINE AS FIBER CONDUIT, THOUGH SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED.

10. ALL CONDUITS TO BE SEALED WITH DUCT PLUG TO PREVENT WATER INTRUSION ONCE CABLE IS INSTALLED. COST TO BE ABSORBED UNDER PAY ITEM NOS. 668–A OR 668–B.

11. 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.

12. FIBER OPTIC UNDERGROUND JACKED 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 LARGE RADIUS BENDS (MINIMUM RADIUS 6"). 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 THHN GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES ONLY FIBER OPTIC CABLE ABSORBED UNDER PAY ITEM NO. 907–657–A004 OR 907–657–B001.

15. 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.

16. 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 CONDUIT.

17. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO SHOULDER MATERIAL WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH SECTION 410 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.

18. 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.

19. WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT 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 FACILITY SHALL BE INCLUDED IN THE BID FOR CONTRACT ITEMS.

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

21. ALL BASELINES SHOWN ON THESE PLANS ARE FOR GRAPHICAL REFERENCE PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.

22. CONTRACTOR TO FIELD VERIFY CAMERA SITE LOCATION AND ORIENTATION FOR COMPLETE COVERAGE OF ROADWAY/RIVER CHANNEL PRIOR TO INSTALLING CAMERAS. TO BE APPROVED BY THE ENGINEER.

23. LADOTD PAY ITEMS AND LADOTD DOCUMENT REFERENCES SHOWN IN THIS PLAN SET ARE FOR INFORMATIONAL PUPOSES ONLY.

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)
COUNTY: ADAMS & WARREN

FILENAME: GN-1.dgn
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WORKING NUMBER
GN-2

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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

MISSISSIPPI GENERAL NOTES (CONTINUED)

23 CONTRACTOR TO FIELD LOCATE HAR BEACON SIGNS BASED ON HAR MANUFACTURER RECOMMENDATIONS ONCE RADIO HAS BEEN INSTALLED.

24 THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION ABSORBED UNDER PAY ITEM NO. 618–A001.

25 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.

26 PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN ACCORDANCE WITH SECTION 211 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH STOCKPILED TOPSOIL.

27 CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND INSTALLING ALL EQUIPMENT SHOWN IN THE PLANS WITHIN MDOT AND LADOTD ROW LIMITS.

28 ALL EQUIPMENT SUBMITTALS SHALL BE IN ACCORDANCE WITH SECTION 634.02.2 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

29 GPS LOCATION DATA PROVIDED BY SOL INC. – NOTE: FIELD LOCATION ADJUSTMENTS MAY BE REQ'D AT TIME OF EQUIPMENT INSTALLATION DUE TO POTENTIAL CONFLICTS OR OTHER FACTORS THAT WERE UNIDENTIFIABLE DURING THE PROJECT DESIGN PHASE. ALL ADJUSTMENT PROPOSALS SHALL BE APPROVED BY THE ENGINEER.

30 STRUCTURE MOUNTED PULL BOXES SHALL BE COST ABSORBED UNDER PAY ITEM 907–668–G.

31 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 UNITED STATES DURING CONSTRUCTION.

32 THE CHANGEABLE MESSAGE SIGNS AND FLASHING ARROW PANELS INCLUDED FOR PAYMENT IN THIS PROJECT SHALL BE PAID FOR AS OUTLINED IN THE SPECIAL PROVISION NO. 907–619–X AND 619–X, RESPECTFULLY. THE CONTRACTOR SHALL PROVIDE AND BE PAID FOR TWO (2) AND FOUR (4) OF EACH IN MISSISSIPPI AND THREE (3) OF EACH IN LOUISIANA IN THE AREA OF EACH BRIDGE LOCATION DURING CONSTRUCTION. THESE SIGNS AND ARROW PANELS SHALL BE USED FOR BOTH CONSTRUCTION OF THE BASE BID ITEMS AS WELL AS ANY ADD OPTIONS. IF THE CONTRACTOR ELECTS TO HAVE MULTIPLE CREWS ON SITE WHICH REQUIRE ADDITIONAL SIGNS AND/OR ARROW PANELS, THE COST OF ADDITIONAL ITEMS SHALL BE ABSORBED UNDER THE PAY ITEM FOR MAINTENANCE OF TRAFFIC. NO EXTRA PAYMENT FOR ADDITIONAL CHANGEABLE MESSAGE SIGNS OR FLASHING ARROW PANELS WILL BE ALLOWED.

33 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY MAKE–READY COST INCURRED TO PROVIDE POWER AND COMMUNICATION SERVICES TO THE EQUIPMENT, AND IS NOT A SEPARATE PAY ITEM (COST ABSORBED).

34 ALL ITS COMPONENTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SUPPORTS, ATTACHMENTS AND FOUNDATIONS SHALL BE DESIGNED BY THE CONTRACTOR ACCORDING TO STANDARD SPECIFICATIONS /SPECIAL PROVISIONS / PLAN DRAWINGS AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF LAYOUT/SHOP DRAWINGS FOR ALL ITS COMPONENTS (INCLUDING THE PLAN OF ATTACHMENT) TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL. THE VICKSBURG BRIDGE IS MAINTAINED BY LADOTD AND THE NATCHEZ BRIDGE IS MAINTAINED BY MDOT.

35 CONTRACTOR HAS THE OPTION TO USE BULLET RESISTANT FIBERGLASS CONDUIT IN LIEU OF TYPE 1 CONDUIT SHOWN ON PLANS. (PAID FOR UNDER TYPE 1 CONDUIT WITH NO ADDITIONAL COSTS).

36 FOR INSTALLATION OF THE REAL–TIME RIVER CURRENT SYSTEM AT EACH BRIDGE LOCATION, THE CONTRACTOR SHALL SUBMIT A PLAN OF RIVER CONSTRUCTION ACTIVITIES TO THE PROJECT ENGINEER. THE CONTRACTOR WILL NOT BE GRANTED ACCESS TO THE BRIDGE FROM THE RIVER UNTIL THIS SUBMITTAL HAS BEEN APPROVED.

37 CONTRACTOR SHALL NOTIFY PROJECT ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF REQUIRING LANE CLOSURES.

UTILITY OWNERS – WARREN COUNTY
GULFSOUTH PIPELINE 888–315–5005
VICKSBURG VIDEO INC (601) 636–1351
EARTHLINK BUSINESS 855–352–2731
LEVEL 3 COMM. 877–453–8353
CITY OF VICKSBURG (601) 634–4560
AT&T 877–937–5288
ENTERGY (601) 630–3508
ATMOS ENTERGY 888–286–6700
CULKIN WATER (601) 636–9124
HINDS COM. COLLEGE (601) 638–0600

UTILITY OWNERS – ADAMS COUNTY
ADAMS COUNTY WATER (601) 446–6616
AT&T/D 877–937–5288
ATMOS ENTERGY 888–286–6700
ENTERGY OF MISSISSIPPI (601) 445–7810
CITY OF NATCHEZ WATER WORKS (601) 445–5521
PLAINS PIPELINE LP FERRIDAY (318) 757–4138
TOTAL ENVIRONMENTAL SOLUTIONS INC 800–371–5417

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)
COUNTY: ADAMS & WARREN

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STATE	PROJECT NO.
MISS.	ITS-9999-09(028)

LOUISIANA GENERAL NOTES

ITS GENERAL NOTES:

CONSTRUCTION SPECIFICATION:

1.CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006 EDITION, EXCEPT AS SUPPLEMENTED OR AMENDED BY THE TECHNICAL SPECIFICATIONS, PLANS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

2.ALL DIMENSIONS SHALL BE GIVEN IN ENGLISH UNITS.

GROUNDING:

1.ALL POLES AND CABINETS SHALL BE EQUIPPED WITH APPROPRIATE LIGHTNING PROTECTION. SEE PLAN DETAILS FOR REQUIREMENTS.

2.SUPPORT CABLE, METALLIC CABLE SHEATHS, CONDUIT, METAL POLES, METAL RACEWAYS, METAL ENCLOSURES OF ELECTRICAL DEVICES, LIGHTING FIXTURES, PANEL BOARDS, PEDESTALS, AND OTHER NON–CURRENT CARRYING METALLIC PARTS OF EQUIPMENT SHALL BE MADE MECHANICALLY AND ELECTRICALLY SECURE AND GROUNDED. BONDING AND GROUNDING JUMPERS SHALL BE PROPERLY SIZED AS PER THE NEC AND IN NO CASE SHALL THEY BE SMALLER THAN #8 AWG WIRE. EQUIPMENT ON WOOD POLES SHALL BE GROUNDED.

3.ALL GROUND CONNECTIONS BELOW GRADE, EITHER WIRE TO WIRE OR WIRE TO ROD, SHALL BE EXOTHERMIC, OTHERWISE THEY SHALL BE IRREVERSIBLE COMPRESSION CRIMP.

4.GROUNDING ELECTRODE CONDUCTORS SHALL BE RUN UNBROKEN FROM THE EARTH POINT TO THE NEUTRAL BUS AS SPECIFIED.

ELECTRICAL:

1.REQUIREMENTS OF THE MISSISSIPPI GENERAL NOTE NO. 5, WK. NO. GN–1 ALSO APPLIES IN LOUISIANA. THE CONTRACTOR SHALL ARRANGE WITH THE LOCAL POWER COMPANY FOR TEMPORARY AND PERMANENT ELECTRICAL SERVICE AND SHALL VERIFY THE EXACT LOCATION AND POINTS OF ATTACHMENT AND METERING BEFORE INSTALLATION. COST FOR TEMPORARY AND PERMANENT POWER SERVICE SHALL BE PAID FOR BY THE CONTRACTOR UNTIL FINAL INSPECTION. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, RACKS, HARDWARE, ETC. REQUIRED FOR TEMPORARY AND PERMANENT POWER SERVICE AS PART OF PAYMENT FOR ELECTRICAL SERVICE. THE CONTRACTOR SHALL MEET ALL ELECTRICAL SERVICE CONNECTION REQUIREMENTS OF THE LOCAL ELECTRICAL SERVICE PROVIDER. COSTS ASSOCIATED WITH THESE REQUIREMENTS ARE TO BE COST ABSORBED.

2.120/240V METERED SERVICE SHALL BE SINGLE PHASE, 3 WIRE (CENTER TAP GROUNDED). THE METER SOCKET SHALL BE PROVIDED BY THE POWER COMPANY.

3.10 FEET OF SLACK POWER CABLE SHALL BE COILED IN ALL PULLBOXES LOCATED BETWEEN THE POWER METER SERVICE AND THE SITE.

4.ELECTRICAL MATERIALS SHALL NOT BE WELDED FOR ATTACHMENT OR SUPPORT EXCEPT FOR EXOTHERMIC WELDED GROUND ATTACHMENTS.

5.ELECTRICAL METERS SHALL FACE THE DIRECTION OF THE MOST OBVIOUS ACCESS FROM OUTSIDE THE CONTROL OF ACCESS (C OF A) OF THE INTERSTATE. METERS SHOULD FACE CROSSING STREETS, SERVICE ROADS, OR OTHER ACCESS POINTS WHERE THE METER MAY BE READ FROM OUTSIDE THE C OF A.

6.TYPE F PULLBOX SHALL BE USED FOR ELECTRICAL SERVICE AND SHALL BE LABELED WITH "ITS ELECTRIC" LOGO (SEE WK. NO. FO–1). TYPE F PULLBOXES SHALL BE IN ACCORDANCE WITH LADOTD TSD–09.

CONDUIT, CONDUCTORS, AND TERMINATIONS:

1.CONDUCTORS SHALL BE STRANDED COPPER WITH 600 VOLT RATED CROSS–LINKED POLYETHYLENE INSULATION CONFORMING TO ICEA S66–524 (UL TYPE XHHW). THE MINIMUM SIZE OF CONDUCTORS SHALL BE AS SHOWN IN THE PLANS.

2.INSULATED GROUNDING CONDUCTORS SHALL BE GREEN XHHW PROPERLY IDENTIFIED AS PER NEC 310–110B.

3.ALL WIRE TERMINATIONS SHALL BE IRREVERSIBLE COMPRESSION CRIMP "ONLY", UNLESS OTHERWISE NOTED.

4.SPLICES IN CONDUCTORS WILL NOT BE ALLOWED AT ANY LOCATION IN THE POWER SYSTEM, UNLESS OTHERWISE NOTED.

5.CONDUIT RUNS SHALL BE BUILT IN STRAIGHT LINES WHERE POSSIBLE. WHERE SWEEPS ARE NECESSARY, LONG SWEEP BENDS SHALL BE USED WHEN FEASIBLE. THE GREATER OF 48" OR EIGHT TIMES THE NOMINAL DIAMETER OF THE CONDUIT IS THE MINIMUM RADIUS THAT SHALL BE USED FOR CONDUIT NOT CONTAINING FIBER COMMUNICATION CABLE.

6.ALL CONDUITS ENTERING THE GROUND SHALL BE HDPE OR PVC. UNDERGROUND CONDUITS SHALL RUN PARALLEL TO THE SURFACE AT SPECIFIED DEPTHS AND RISE AND FALL ONLY AT TRANSITION POINTS AND PULLBOXES. PVC CONDUIT MAY BE SUBSTITUTED FOR HDPE WHEN ACCEPTED BY THE PROJECT ENGINEER. ALL CONDUITS SHALL CONTAIN INTERIOR RIBS.

7.ONLY ONE CONDUIT SPLICE WILL BE ALLOWED IN CONDUIT BETWEEN PULLBOXES.

8.ALL CONDUITS SHALL BE WATERTIGHT SEALED USING SOLID OR SPLIT RING COMPRESSION TYPE DUCT PLUGS. DUCT SEAL SHALL NOT BE ALLOWED.

9.ALL VACANT CONDUITS SHALL CONTAIN A PULL ROPE RATED AT 1250 LBS. 3 FEET OF EXCESS SLACK SHALL BE PROVIDED WITHIN THE CONDUIT. THE ENDS OF THE PULL ROPE SHALL BE SECURED TO THE DUCT PLUG.

10.PRIOR TO INSTALLATION OF FIBER OPTIC OR ELECTRICAL CABLES, THE CONTRACTOR SHALL PULL A MANDREL THROUGH THE INSTALLED CONDUITS TO VERIFY THEY ARE FREE OF DEBRIS, DRY, AND WITHOUT KINKS OR DEFORMITIES.

11.CONTRACTOR SHALL INSTALL A #10 THHN AWG, GREEN INSULATED, SINGLE CONDUCTOR CABLE (LOCATE WIRE) ALONG THE ENTIRE CONDUIT RUN FOR FIBER OPTIC CABLE.

CABLE SHALL BE SUITABLE FOR DIRECT BURIAL, SHALL BE AS DETAILED IN THE SPECIFICATIONS, AND SHALL BE INSTALLED AS DETAILED IN THE PLAN SET. A CATHODIC TEST STATION SHALL BE INSTALLED AT EVERY OTHER PULLBOX FOR SEQUENTIAL CONDUIT FOR MONITORING ELECTRICAL CURRENTS AND POTENTIALS. THE LOCATE WIRE SHALL BE ATTACHED TO THE GROUND ROD AT EVERY PULLBOX WITH A MECHANICAL GROUND ROD CLAMP. (COSTS ASSOCIATED WITH THESE REQUIREMENTS ARE TO BE COST ABSORBED)

12.DESIGNED PULLBOX LOCATIONS ARE SPACED AT INTERVALS AS SHOWN ON THE DRAWINGS. ACTUAL PULLBOX LOCATIONS COULD VARY BASED ON EXACT LOCATION OF KNOWN OBJECTS. MAXIMUM DISTANCE BETWEEN CONSECUTIVE PULLBOXES FOR FO CABLE SHALL BE 1300 FEET.

13.CONDUIT AND CASING SHALL BE CONTINUOUSLY MARKED WITH DURABLE PRINTING, AT INTERVALS OF NO GREATER THAN FIVE FEET, AND SHALL INCLUDE: NOMINAL SIZE, DIMENSION RATIO, MANUFACTURER NAME AND PRODUCT SERIES, HDPE, CONDUIT, LOT NUMBER, LIGHTNING BOLT SYMBOL, AND "LADOTD ITS – COMMUNICATIONS".

14.THE CONTRACTOR MAY INSTALL LARGER SIZE CONDUIT THAN REQUIRED AT NO ADDITIONAL COST. NO REDUCING COUPLINGS WILL BE PERMITTED IN A CONDUIT RUN.

15.OBSTRUCTIONS ENCOUNTERED WHEN EXCAVATING TRENCHES FOR UNDERGROUND CONDUIT MAY REQUIRE MINOR CHANGES IN LOCATIONS OF CONDUIT RUNS. ALL SUCH CHANGES WILL BE SUBJECT TO THE ACCEPTANCE OF THE PROJECT ENGINEER. WHERE POSSIBLE, A MINIMUM OF 12 INCHES SHALL BE PROVIDED BETWEEN THE FINISHED LINES OF CONDUIT RUNS AND EXISTING UTILITY FACILITIES, SUCH AS GAS LINES, WATER MAINS, AND OTHER UNDERGROUND FACILITIES NOT ASSOCIATED WITH THE ELECTRICAL SYSTEMS. WHEN ADJACENT TO CONCRETE WALLS, PIERS, FOOTINGS, ETC., A MINIMUM OF 4 INCHES OF UNDISTURBED EARTH OR FIRMLY COMPACTED SOIL SHALL BE MAINTAINED BETWEEN THE CONDUIT AND THE ADJACENT CONCRETE. BURIED CONDUIT SHALL BE INSTALLED NO CLOSER THAN 6 FEET FROM THE EDGE OF ABUTMENT BEAMS WHEN PARALLELING BRIDGE STRUCTURES.

16.POWER SERVICE AND COMMUNICATIONS CONDUITS SHALL BE RATED SCHEDULE 80 FOR BOTH HDPE AND PVC. CASING SHALL BE HDPE, RATED SDR–9, EXCEPT WHEN CALLED OUT IN PLANS AS RIGID METAL OR FIBERGLASS.

TRENCHING AND BORING:

1.TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT AND SHALL BE BACKFILLED TO THE SATISFACTION OF THE PROJECT ENGINEER.

2.CONDUITS SHALL BE HAND PLACED INSIDE THE TRENCH AND THE TRENCH BACKFILLED TO THE SATISFACTION OF THE PROJECT ENGINEER THAT SAME DAY.

3.RED WARNING TAPE SHALL BE INSTALLED 12" BELOW GRADE IN ALL TRENCHES ACCORDING TO PLAN DETAILS. LABELING ON TAPE SURFACE AT REGULAR INTERVALS SHALL READ "LADOTD ITS COMMUNICATIONS AND/OR POWER".

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)
PARISH: CONCORDIA & MADISON

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LOUISIANA GENERAL NOTES (CONTINUED)

4.MINIMUM DEPTH OF ALL EXCAVATION IS 48". DITCH CROSSING SHALL BE A MINIMUM OF 48". ROAD CROSSINGS SHALL BE FREE OF SURFACE DISTURBANCE. AT LOCATIONS WHERE DUCTING CROSSES OTHER UTILITIES, A MINIMUM OF 12" VERTICAL CLEARANCE SHALL BE MAINTAINED.

5.MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 48" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS. THE INSPECTOR SHALL PERIODICALLY INSPECT THE CONDUIT WHEN IT IS BEING PLACED IN THE GROUND; AND SHALL ENSURE THAT PROPER DEPTH IS MAINTAINED AT ALL TIMES.

6.SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS. BORE PITS LEFT OPEN OVERNIGHT SHALL BE FENCED WITH ORANGE FENCE MATERIAL SECURED IN PLACE BY STEEL FENCE POSTS AND ACCEPTED IN ADVANCE BY THE PROJECT ENGINEER. (COSTS ASSOCIATED WITH THESE REQUIRMENTS ARE TO BE COST ABSORBED)

7.ACTUAL LENGTH OF ALL BORES TO BE ACCEPTED BY PROJECT ENGINEER.

8.ALL CONDUIT SHALL BE INSTALLED AS SHOWN ON PLANS UNLESS ACCEPTED OTHERWISE BY THE PROJECT ENGINEER. BORING SHALL BE USED TO BYPASS OBSTRUCTIONS AND ROAD CROSSINGS WHERE NOTED IN PLANS. THE CONTRACTOR MAY DIRECTIONAL BORE IN PLACE OF TRENCHING OR PLOWING AS SEEN FIT AT NO ADDITIONAL PAY.

9.WHEN CROSSING STATE HIGHWAYS THE BORE CASING SHALL EXTEND FROM DITCH LINE TO DITCH LINE, AS A MINIMUM.

10.EXTREME CAUTION SHALL BE TAKEN WHEN CROSSING UNDERGROUND UTILITIES AND PIPELINES.

DIMENSIONS:

1.ALL DIMENSIONS ARE HORIZONTAL, UNLESS OTHERWISE NOTED, AND ARE GIVEN AT NORMAL TEMPERATURE (68 DEGREES F.).

STRUCTURAL STEEL:

1. UNLESS OTHERWISE INDICATED IN PLANS, ALL STRUCTURAL STEEL SHALL BE STRUCTURAL CARBON STEEL IN ACCORDANCE WITH ASTM A709, GRADE 36. IF SPECIFIED, HIGH STRENGTH LOW–ALLOY STEEL SHALL BE COLUMBIUM–VANADIUM STRUCTURAL STEEL IN ACCORDANCE WITH ASTM A709, GR 50. ANY NECESSARY SUBSTITUTION MUST HAVE PRIOR ACCEPTANCE OF THE PROJECT ENGINEER. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED.

GALVANIZED STEEL:

1.ALL MISCELLANEOUS HARDWARE WHICH IS SPECIFIED TO BE GALVANIZED SHALL BE COATED IN ACCORDANCE WITH ASTM A153. ALL STRUCTURAL STEEL SHAPES WHICH ARE SPECIFIED TO BE GALVANIZED SHALL BE COATED IN CONFORMANCE WITH ASTM A123 AFTER FABRICATION. DAMAGED GALVANIZED COATS THAT ARE NOT TO BE EMBEDDED IN MORE THAN THREE (3) INCHES OF CONCRETE SHALL BE REPAIRED WITH COLD APPLIED, ZINC RICH, ORGANIC PAINT, FROM THE ACCEPTED QUALIFIED PRODUCTS LIST OR OTHER ACCEPTED METHOD OF REPAIR.

WELDING:

1.WELDING OF ALL STRUCTURAL STEEL AND STEEL PIPE SHALL CONFORM TO SECTION 815, WELDING OF THE STANDARD SPECIFICATIONS.

SUPPORT STRUCTURES:

1.ANCHOR BOLTS OF THE TYPE AND SIZE SPECIFIED SHALL BE ACCURATELY PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE POLE MANUFACTURER AND SECURELY HELD TO INSURE PROPER POSITION IN THE COMPLETED FOUNDATION. UNDER NO CIRCUMSTANCES SHALL REALIGNMENT OF ANCHOR BOLTS BE ALLOWED AFTER THE FOUNDATION IS POURED.

2.CONDUITS IN FOUNDATIONS SHALL EXTEND A MINIMUM OF 2' OUTSIDE THE FOUNDATION, BE ACCURATELY PLACED, ORIENTED IN THE PROPER DIRECTION TO ACCOMMODATE SERVICE CABLE, AND SECURELY HELD TO AVOID DISPLACEMENT.

3.THE SUPPORTING STRUCTURES SHALL BE PLUMB, ERECTED AS RECOMMENDED BY THE MANUFACTURER, AND ACCEPTED BY THE PROJECT ENGINEER. ERECTION SHALL BE ACCOMPLISHED CAREFULLY TO PRECLUDE MARRING THE FINISH OR OTHERWISE DAMAGING THE SUPPORT. DOUBLE NUTS SHALL BE SUPPLIED WITH EACH ANCHOR BOLT TO PLUMB THE STRUCTURE.

SITE CLEANLINESS AND RESTORATION:

1.ALL VEGETATION, DEBRIS, CONCRETE, AND OTHER UNSUITABLE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR.

2.CLEARING AND GRUBBING, AND TRIMMING OF TREES NECESSARY TO CONSTRUCT THE SYSTEM SHALL BE ABSORBED IN OTHER PAY ITEMS AND SHALL BE KEPT TO A MINIMUM, AND ACCEPTED IN ADVANCE BY THE PROJECT ENGINEER.

3.SHOULD ANY DAMAGE TO BURIED OBSTRUCTIONS OCCUR OR CUTTING OF WALLS, FLOORS, CEILINGS, PARTITIONS, PAVING, SIDEWALKS, CURB AND GUTTERS, PAVED SHOULDERS, DRIVEWAYS, ROADS, EMBANKMENTS, BANKS, DITCHES, TREES, SHRUBS, OR OTHER MEANS OF DISTURBING OF AN AREA BE REQUIRED FOR PROPER INSTALLATION OF COMMUNICATION/ELECTRICAL WORK, SUCH RESTORING OF THE WORK TO ITS ORIGINAL CONDITION SHALL BE DONE BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE PROJECT ENGINEER AND PUBLIC AUTHORITIES HAVING JURISDICTION OVER SUCH PROPERTY. COSTS INCURRED FOR CUTTING AND/OR RESTORING SHALL BE INCLUDED AT NO DIRECT PAY.

CONSTRUCTION SIGNING:

1.ALL CONSTRUCTION SIGNING AND ANY OTHER SIGNS OR TRAFFIC CONTROL DEVICES INDICATED IN THESE PLANS, LADOTD TRAFFIC CONTROL DETAIL SHEETS FOR WORK ZONES, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), INSTALLATION AND DEVICES SHALL BE COST ABSORBED UNDER PAY ITEM 618–A001, MAINTENANCE OF TRAFFIC.

UTILITIES:

1.THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING WITH THE VARIOUS UTILITY COMPANIES TO DETERMINE AND/OR VERIFY THE EXACT LOCATIONS OF ALL UTILITIES PRIOR TO STARTING EXCAVATION.

2.THE PLANS DO NOT SHOW ALL UNDERGROUND FACILITIES. ADDITIONAL BURIED UTILITIES MAY BE PRESENT. SHOWN UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATION BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO INSTALLATION OF ANY EQUIPMENT AND/OR CONDUIT.

3.THE DEPARTMENT WILL NOT BE RESPONSIBLE FOR DAMAGE TO ANY UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS EMPLOYEES AND/OR EQUIPMENT TO ANY UTILITIES, TO THE SATISFACTION OF THE UTILITY COMPANY.

FIBER OPTIC INSTALLATION NOTES:

1.NO SPLICES SHALL BE INSTALLED IN ANY SECTION OF THE FIBER CABLE UNLESS OTHERWISE NOTED. ALL CABLE SPLICES SHALL BE IN PULLBOXES AT LOCATIONS SHOWN ON THE PLANS.

2.REFER TO ELECTRIC NOTE 11 ON WK. NO. GN–4 FOR LOCATE WIRE REQUIREMENTS.

GENERAL:

1.LADOTD PAY ITEMS AND LADOTD DOCUMENT REFERENCES SHOWN IN THIS PLAN SET ARE FOR INFORMATIONAL PUPOSES ONLY.

UTILITY OWNERS – LOUISIANA
LADOTD 225–379–1195 OR 1–800–259–4929
AT&T/D 877–937–5288
AT&T/T 877–937–5288
ENTERGY MADISON PARISH (318) 329–5405
ENTERGY CONCORDIA PARISH (318) 435–2719

NOTE: THESE ARE TYPICAL UTILITY COMPANIES IN THE PROJECT AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL UTILITY PROVIDERS.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

MS RIVER BRIDGE INCIDENT MANAGEMENT PROJECT

PROJ NO: ITS-9999-09(028)

PARISH: CONCORDIA & MADISON

FILENAME: GN-1.dgn

DESIGN TEAM STANTEC CHECKED DATE

WORKING NUMBER GN-5

SHEET NUMBER 8

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/1/2013 10:14:40 GN-1.DGN