

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	HSIP-6928-00(011)	1

GENERAL INDEX

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

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

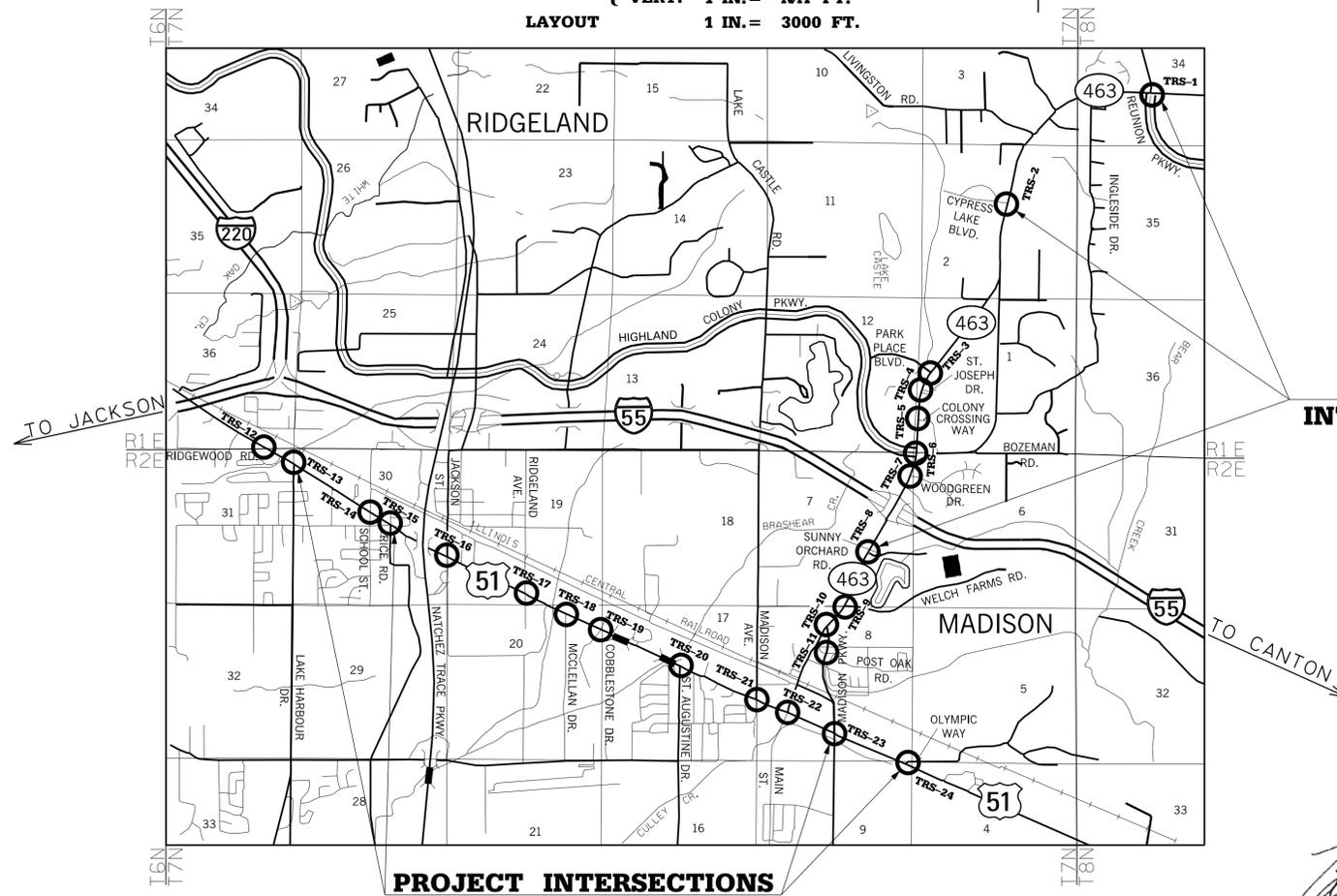
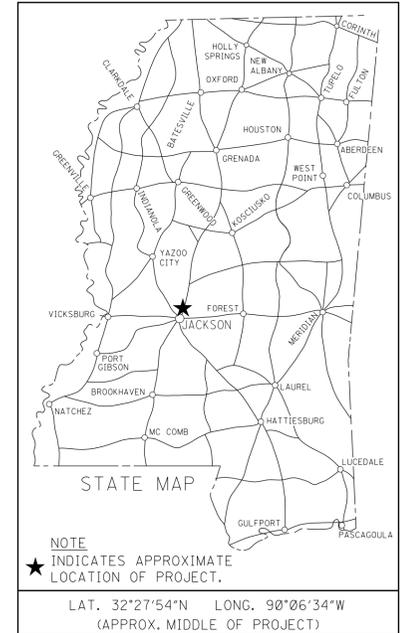
PLAN OF PROPOSED STATE HIGHWAY IMPROVEMENTS FEDERAL AID PROJECT NO. HSIP-6928-00(011)

US 51 & MS 463 FYA SIGNAL UPGRADES

FMS 106577 /301000

SCALES

PLAN	1 IN. = 20 FT.
PROFILE {	HOR. 1 IN. = N/A FT.
	VERT. 1 IN. = N/A FT.
LAYOUT	1 IN. = 3000 FT.



BRIDGE STRUCTURES REQ'D.
NONE

BOX BRIDGES REQ'D.
NONE

PROJECT INTERSECTIONS

PROJECT INTERSECTIONS

EQUATIONS
NONE

EXCEPTIONS
NONE

LENGTH DATA

LENGTH OF ROADWAY	FT.	MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	FT.	MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	FT.	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

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: _____ DATE: _____



DATE: 9/13/2013



REVISIONS	APPROVED:	
	CHIEF ENGINEER	DATE
DATE	EXECUTIVE DIRECTOR	DATE
	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DATE	APPROVED:	
	DIVISION ADMINISTRATOR	DATE
		FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION

10/17/2013 1:54:56 PM JLE.DGN

1st O.REV.

STATE	PROJECT NO.
MISS.	HSIP-6928-00(011)

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
TITLE SHEET (1)		TITLE	1
DETAILED INDEX (1)		DI-1	2
GENERAL NOTES (1)		GN-1	3
SUMMARY OF QUANTITIES (1)		SQ-1	4
TRAFFIC SIGNAL SHEETS (30)			
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT REUNION PKWY		TRS-1	2001
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT CYPRESS LAKE BLVD		TRS-2	2002
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT PARK PLACE BLVD		TRS-3	2003
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT ST. JOSEPH		TRS-4	2004
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT COLONY CROSSING WAY		TRS-5	2005
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT HIGHLAND COLONY PKWY		TRS-6	2006
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT WOODGREEN DR		TRS-7	2007
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT SUNNY ORCHARD DR		TRS-8	2008
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT WELCH FARMS RD		TRS-9	2009
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT MAIN ST		TRS-10	2010
TRAFFIC SIGNAL MODIFICATIONS - MS 463 AT POST OAK RD		TRS-11	2011
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT RIDGEWOOD RD		TRS-12	2012
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT LAKE HARBOUR DR		TRS-13	2013
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT SCHOOL ST		TRS-14	2014
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT RICE RD		TRS-15	2015
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT JACKSON ST		TRS-16	2016
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT RIDGELAND AVE		TRS-17	2017
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT MCCLELLAN DR		TRS-18	2018
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT COBBLESTONE DR		TRS-19	2019
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT ST. AUGUSTINE DR		TRS-20	2020
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT MADISON AVE		TRS-21	2021
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT MAIN ST		TRS-22	2022
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT MADISON PKWY		TRS-23	2023
TRAFFIC SIGNAL MODIFICATIONS - US 51 AT OLYMPIC WAY		TRS-24	2024
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES		TSD-1	2025
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-3	2026
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS		TSD-5	2027
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-6	2028
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)		TSD-7	2029
CONSTRUCTION SIGNING		CS-1	2030
TOTAL SHEETS (34)			

PUBLIC UTILITIES
MISSISSIPPI ONE CALL: 1-800-227-6477 OR 811

MDOT: DISTRICT 5 OFFICE, 601-683-3341
CARTHAGE PROJECT OFFICE, 601-267-3401

CABLE:
Comcast
Phone: 601-832-3668

ELECTRIC:
Entergy
Phone: 601-925-6506

FIBER:
InLine
Phone: 205-278-8119

Level 3 Communications
Phone: 720-888-6482

Telepak d/b/a CSpire
Phone: 866-484-5179

GAS:
Centerpoint Energy
Phone: 601-826-7093
Phone: 601-856-9438

Gulf South Pipeline Co.
Phone: 601-939-4602

Texas Eastern Pipeline
Phone: 601-982-8290

PHONE:
AT&T
Phone: 601-829-3911

SEWER/WATER:
City of Ridgeland
Phone: 601-853-2027

City of Madison
Phone: 601-856-8598

Bear Creek Water Assoc.
Phone: 601-856-5969



DATE: 10/18/2013

PS & E PLANS-DATE 09-13-2013		
FMS CON. # 106577/301000		
REVISIONS		
DATE	SHEET NO.	BY
10-18-13	4	TKK

REVISION	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
		DETAILED INDEX
		US 51 & MS 463 FYA SIGNAL UPGRADES
		PROJ. NO. HSIP-6928-00(011)
		MADISON COUNTY
		WORKING NUMBER DI-1
DATE	FILENAME:	SHEET NUMBER
	DI.dgn	2
DESIGN TEAM	GS&P	CHECKED
	SMM	DATE 9/13/13

10/17/2013 8:56:05 DI.DGN

GENERAL NOTES

- (1) THIS PROJECT INVOLVES MODIFYING EXISTING TRAFFIC SIGNALS TO EXERCISE THE OPTION OF USING A FLASHING YELLOW ARROW (FYA) INDICATION FOR PROTECTED/PERMISSIVE LEFT TURNS, AS OUTLINED IN CHAPTER 4D OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE WORK INCLUDES, BUT IS NOT LIMITED TO, REPLACEMENT OF SIGNAL HEADS, WIRING, CONDUITS, MAST ARM POLES AND CONTROLLER CABINET FACILITIES AT LOCATIONS SHOWN IN THE PLANS. INSTALLATION OF NEW CONTROLLER CABINETS AND MODIFICATIONS TO EXISTING CABINETS SHALL INCLUDE FURNISHING, INSTALLING AND CONFIGURING ALL EQUIPMENT NECESSARY TO USE THE FYA "COMPACT MODE" FOR 12-LOAD-BAY CABINET FACILITIES. SEE THE NOTICE TO BIDDERS REGARDING SOLID STATE TRAFFIC ACTUATED CONTROLLERS FOR ADDITIONAL DETAILS.
- (2) WITHIN THIRTY (30) DAYS FOLLOWING THE NOTICE TO PROCEED, THE CONTRACTOR SHALL PREPARE AND SUBMIT AN INSTALLATION PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. THE PLAN SHALL INCLUDE A SUMMARY OF HOW THE CONTRACTOR PROPOSES TO PHASE THE WORK, HOURS AND TIMES OF DAY REQUESTED FOR SIGNAL DOWN TIME, AND THE OVERALL APPROACH TO THE CABINET AND SIGNAL MODIFICATIONS.
- (3) SEE NOTICE TO BIDDERS FOR IMPORTANT LANE CLOSURE RESTRICTIONS APPLICABLE TO THIS PROJECT.
- (4) DURING ALLOWABLE SIGNAL DOWN TIMES, THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN OPERATION OF THE INTERSECTION WITH ASSISTANCE FROM LOCAL LAW ENFORCEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE COST OF UTILIZING LOCAL LAW ENFORCEMENT WILL BE ABSORBED IN PAY ITEM 618-A MAINTENANCE OF TRAFFIC.
- (5) ALL TRAFFIC CONTROL DEVICES INSTALLED ON THIS PROJECT SHALL COMPLY WITH THE MUTCD (LATEST EDITION).
- (6) THE LOCATION AND SPACING OF WORK ZONE TRAFFIC CONTROL SIGNS, AS SHOWN ON WORKING NOS. TSD-7 AND CS-1, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- (7) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- (8) FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
- (9) THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECT(S) IN IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- (10) ALL POLES, PULLBOXES AND CONTROLLERS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON PLAN SHEETS.
- (11) ALL RAISED OBJECTS TO BE PLACED A MINIMUM OF 2.0 FEET BEHIND FACE OF CURB. NEW TRAFFIC POLES TO BE PLACED A MINIMUM OF 8.0 FEET BEHIND FACE OF CURB UNLESS WRITTEN PERMISSION IS AUTHORIZED BY ENGINEER. PLACEMENT OF RAISED OBJECTS AND NEW POLES SHALL CONFORM TO A.D.A. REQUIREMENTS AND AASHTO ROADSIDE DESIGN GUIDE CLEAR ZONE STANDARDS.
- (12) EXTEND POLE FOUNDATIONS TO APPROXIMATELY 3 INCHES ABOVE THE SHOULDER ELEVATION OR THE TOP OF THE CURB ELEVATION.
- (13) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, BRIDGES, EXISTING SIGNAL EQUIPMENT AND FIBER OPTIC CABLE 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.
- (14) THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SURFACE TREATED SHOULDER THAT 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.

GENERAL NOTES (CONT.)

- (15) ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (TO INCLUDE SITE GRADING AND AND GRASSING) 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 OTHER ITEMS BID.
- (16) 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.
- (17) THE BID PRICE FOR BORED CONDUIT MAY ONLY BE APPLIED TO INSTALLATIONS DESIGNATED AS "(BORED)" IN THE PLANS. WHERE NOT DESIGNATED AS "(BORED)", CONDUIT INSTALLATION MAY BE BY TRENCHING OR BORING AT THE CONTRACTOR'S DISCRETION; HOWEVER, THE BID PRICE FOR TRENCHED CONDUIT WILL BE APPLIED.
- (18) VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO, POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- (19) THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.
- (20) WHERE UTILITIES ARE SHOWN ON THE DRAWINGS, THEY ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. NOT ALL UTILITIES ARE SHOWN. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
- (21) FOR A LIST OF PUBLIC UTILITIES, SEE WORKING NO. DI-1.
- (22) A SPECIFIC EROSION CONTROL PLAN IS NOT PROVIDED IN THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. ALL EROSION AND SILTATION CONTROL ITEMS NEEDED PROVIDE EFFECTIVE CONTROL SHALL BE CONSIDERED INCIDENTAL AND THE COST WILL BE ABSORBED IN OTHER ITEMS.
- (23) SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS INCLUDED IN THE PLANS.
- (24) ALL ADDENDA TO THESE PLANS WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.

10/17/2013 15:56:05 GN.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
GENERAL NOTES	
US 51 & MS 463 FYA SIGNAL UPGRADES	
PROJ. NO. HSIP-6928-00(011) MADISON COUNTY	
DATE	FILENAME: GN.DGN
DESIGN TEAM	GS&P
CHECKED	SMM
DATE	9/13/13


WORKING NUMBER GN-1
SHEET NUMBER 3