FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	SP–0063–02(005)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

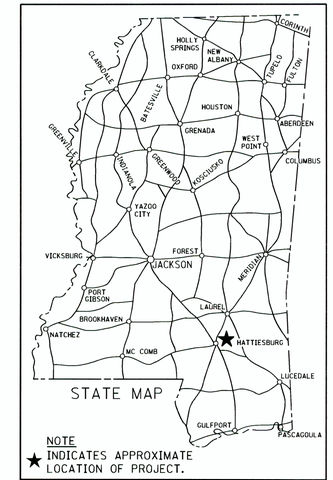
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY STATE PROJECT NO. SP–0063–02(005)

SR–42 MONROE RD. TO MACEDONIA ROAD/SUNRISE ROAD TRAFFIC SIGNAL INSTALLATION FORREST COUNTY

FMS CONST. 106595–301000

SCALES

PLAN		1 IN. = 20 FT. + 30 FT.
PROFILE	HOR.	1 IN. = 20 FT.
	VERT.	1 IN. = 5 FT.
LAYOUT		1 IN. = 2000 FT.



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 31.3518 N LONG. 89.2036 W
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT(2012) ____ = : ADT ____ =

DHV = ____ : D = ____% T= ____%

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: JG DATE: 4/23/14

BRIDGE STRUCTURES REQ'D.

NONE

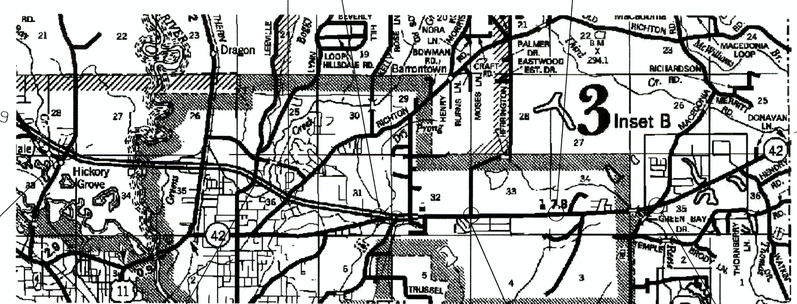
BOX BRIDGES REQ'D.

NONE

MS. HWY 42 @ OLD RICHTON RD.

MS. HWY 42 @ WALMART

MS. HWY 42 @ BROKEN ARROW TRAIL



MS. HWY 42 @ MONROE RD.

MS. HWY 42 @ LEEVILLE RD.

TRAFFIC SIGNAL SITE #1:

MS. HWY 42 @ CORINTH RD.

MS. HWY 42 @ HERRINGTON RD.

TRAFFIC SIGNAL SITE #2:

MS. HWY 42 @ MACEDONIA RD./ SUNRISE RD.

CONVENTIONAL SYMBOLS

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

EQUATIONS

NONE

EXCEPTIONS

NONE

LENGTH DATA

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

JOHN W. GIARDINA, JR. REGISTERED PROFESSIONAL ENGINEER 10773 STATE OF MISSISSIPPI

JOHN GIARDINA

Digitally signed by JOHN GIARDINA
DN: cn=JOHN GIARDINA, o=BURK-KLEINPETER, INC., ou, email=JWGIARDINA@BKIUSA.COM, c=US
Date: 2014.04.23 11:01:11 -05'00'

DEPARTMENT OF TRANSPORTATION MISSISSIPPI

REVISIONS	BY	DATE

APPROVED:

CHIEF ENGINEER — DATE 4/23/14

EXECUTIVE DIRECTOR — DATE 4/23/14

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/22/2014 11:28:23 MSTITLE.DGN

1st O.REV.

STATE	PROJECT NO.
MISS.	SP-0063-02(005)

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
TITLE SHEET (1)			1
DETAILED INDEX AND GENERAL NOTES (2)			
DETAILED INDEX		DI-1	2
GENERAL NOTES		GN-1	3
QUANTITY SHEETS (2)			
SUMMARY OF QUANTITIES		SQ-1	4
SUMMARY OF QUANTITIES		SQ-2	5
PAVEMENT MARKING DETAIL SHEETS (2)			
PAVEMENT MARKING DETAILS - MS HWY 42 AND CORINTH ROAD		PMD-1	6
PAVEMENT MARKING DETAILS - MS HWY 42 AND MACEDONIA ROAD /SUNRISE ROAD		PMD-2	7
PERMANENT SIGNING PLAN SHEETS (3)			
PERMANENT SIGNING PLAN - MS HWY 42 AND CORINTH ROAD		PSP-1	1001
PERMANENT SIGNING PLAN - MS HWY 42 AND MACEDONIA ROAD /SUNRISE ROAD		PSP-2	1002
SPECIAL POST DESIGN FOR BE PREPARED TO STOP WHEN FLASHING ASSEMBLY		SSD-1	1003
TRAFFIC SIGNAL SHEETS (12)			
TRAFFIC SIGNAL PLAN - MS HWY 42 AT CORINTH ROAD		TSI-1	2001
TRAFFIC SIGNAL PLAN- MS HWY 42 AT MACEDONIA ROAD/ SUNRISE ROAD		TS1-2	2002
TRAFFIC SIGNAL MODIFICATION - MS HWY 42 @ MONROE RD.		TSM-1	2003
TRAFFIC SIGNAL MODIFICATION - MS HWY 42 @ MONROE RD.		TSM-2	2004
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES		TSD-1	2005
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-2	2006
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-3	2007
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE		TSD-5	2008
ATTACHMENTS AND MISC. DETAILS			
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-6	2009
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)		TSD-7	2010
DRIVEWAYS, CURB + GUTTER AND SIDEWALKS	10-01-13	SDSD-1	2011
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS		SDTCP-10	2012
STANDARD DRAWINGS (11)			
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-1999	PM-1	6120
PAVEMENT MARKING LEGEND DETAILS		PM-5	6124
PAVEMENT MARKING LEGEND DETAILS		PM-6	6125
STANDARD ROADSIDE SIGNS		SN-3A	6223
STANDARD ROADSIDE SIGNS		SN-3B	6224
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	6225
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	6226
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4B	6227
BREAKAWAY SIGN SUPPORTS		SN-6B	6230
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH		TCP-2	6251
(4-LANE; MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)			
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 MPH		TCP-5	6254
OR 70 MPH (INTERSTATE AND OTHER 4-LANE DIVIDED			
HIGHWAYS)(MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)			
TOTAL SHEETS (33)			

PS & E PLANS-DATE 4/23/2014		
FMS CON. # 106595-301000		
REVISIONS		
DATE	SHEET NO.	BY
5/15/2014	4 & 5	KBH

RENE A. CHOPIN III
REGISTERED PROFESSIONAL ENGINEER
15600
STATE OF MISSISSIPPI

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. SP-0063-02(005)
COUNTY: FORREST

FILENAME: MSDI-1.DGN
DESIGN TEAM BKI CHECKED KBH DATE 4/2014

WORKING NUMBER DI-1

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

5/16/2014 09:40:39 MSDI-1.DGN

STATE	PROJECT NO.
MISS.	SP-0063-02(005)

GENERAL NOTES

1. ALL SIGNALS , PAVEMENT MARKINGS, AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES(LATEST EDITION).
2. UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE PLOTTED IN THEIR LOCATIONS FROM THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR GUARANTEE ALL UTILITIES ARE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY MISSISSIPPI ONE CALL (1-800-227-6477) FOR UTILITY LOCATION IMMEDIATELY PRIOR TO WORK.
3. ALL POLES, PULL BOXES AND CONTROLLERS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.
4. EXTEND POLE FOUNDATIONS TO APPROXIMATELY 3 INCHES ABOVE THE SHOULDER ELEVATION OR THE TOP OF CURB ELEVATION.
5. SPECIFICATIONS FROM THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION BY MISSISSIPPI DEPARTMENT OF TRANSPORTATION, ENGLISH 2004 EDITION WILL BE USED UNLESS OTHERWISE NOTED BY SPECIAL PROVISIONS.
6. 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.
7. ALL CONTROLLERS AND CONFLICT MONITOR SHALL BE ETHERNET READY AND COMPATIBLE WITH MDOT'S CENTRAL COMMUNICATION SYSTEM.
8. R1-1 SIGNS AND ASSEMBLIES ON THE SIDE STREET APPROACHES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER THE TRAFFIC SIGNALS ARE INSTALLED AND OPERATING. SIGNS AND SIGN ASSEMBLY THAT ARE TO BE REMOVED DURING CONSTRUCTION SHALL BE DONE BY THE CONTRACTOR AT HIS EXPENSE. ALL TRAFFIC CONTROL SIGNS INSTALLED OR RELOCATED WITHIN THE RIGHT-OF-WAY SHALL BE COVERED UNDER PAY ITEM 618-A001.
9. POWER SERVICE CABLE MUST ENTER CONTROLLER CABINET VIA UNDERGROUND CONDUIT DIRECTLY FROM POWER COMPANY SUPPLY POINT. METER BASE, DISCONNECT POWER SERVICE PANEL AND/OR ANY REQUIRED TIMBER POLES FOR POWER SERVICE ARE COST ABSORBED, SEE STANDARD DRAWINGS SHEET TSD-5 FOR DETAILS.
10. REMOVAL OF RAISED PAVEMENT MARKERS OR STRIPING IS NOT CONSIDERED A SEPARATE PAY ITEM.
11. CONTROLLER TIMINGS TO BE PROVIDED BY THE ENGINEER.
12. ALL TRAFFIC SIGNAL CABINETS SHALL HAVE A REAR DOOR, AUTO HAND SWITCH IN THE POLICE PANEL, AND A LAPTOP PULLOUT TRAY.
13. THE CONFLICT MONITOR SHALL BE THE ADVANCED TYPE AND BE ETHERNET READY.
14. ALL TRAFFIC SIGNAL POLES SHALL BE HOT DIPPED GALVANIZED. WIND SPEED OF 120 MPH SHALL BE USED FOR DESIGN. SEE TSD-6 FOR DESIGN CRITERIA.
15. ALL SIGNAL HEADS SHALL BE LED AND YELLOW IN COLOR. VISORS AND BACKPLATES SHALL BE BLACK IN COLOR. ALL HEADS SHALL BE EQUIPPED WITH BACKPLATES.
16. ALL TRAFFIC SIGNAL POLE FOUNDATIONS SHALL BE POURED USING CLASS "B" CONCRETE.
17. POWER SERVICE METER SHALL NOT BE INSTALLED ON CONTROLLER CABINET OR MAST ARM POLE SHAFTS. A SEPARATE MOUNTING POLE FOR THESE ITEMS IS REQUIRED AND SHALL BE INSTALLED AS CLOSE TO CONTROLLER CABINET AS PRACTICAL. PROPOSED LOCATION MUST BE PRE- APPROVED BY ENGINEER.
18. CONTRACTOR SHALL VERIFY ALL MAST ARM POLE LOCATIONS TO ENSURE THERE ARE NO UTILITY CONFLICTS PRIOR TO ORDERING POLES.
19. LENSES SHALL BE 12" NOMINAL DIAMETER AS SHOWN IN SECTION 722 IN THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
20. PHASE SELECTOR FOR PRE-EMPTION SHALL BE SECURITY CODED.
21. ALL CONSTRUCTION SIGNING, BARRELS, BARRICADES, ETC. REQUIRED SHALL BE INCLUDED IN PAY ITEM 618-A001 (MAINTENANCE OF TRAFFIC).
22. VIDEO DETECTOR CABLE SHALL BE COST ABSORBED.
23. NEW TRAFFIC POLES TO BE PLACED A MINIMUM OF 8.0 FEET BEHIND THE FACE OF CURB UNLESS WRITTEN PERMISSION IS AUTHORIZED BY THE ENGINEER. PLACEMENT OF NEW POLES SHALL CONFORM TO A.D.A. REQUIREMENTS AND AASHTO ROADSIDE DESIGN GUIDE CLEAR ZONE STANDARDS.
24. REFER WKG NO. TSD-1 FOR ADDITIONAL GENERAL NOTES REGARDING TRAFFIC SIGNAL INSTALLATION.
25. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
26. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
27. CONTRACTOR IS TO INSTALL RADIO INTERCONNECT AT EIGHT LOCATIONS ALONG PROJECT LIMITS, TO BE PAID FOR UNDER ITEM 907-648-E, RADIO INTERCONNECT, TVBR, SHORT RANGE, EACH. THE EIGHT LOCATIONS ARE AT MS. HWY 42 INTERSECTIONS WITH MONROE RD., LEEVILLE RD., OLD RICHTON RD., RICHTON/WALMART, CORINTH RD., HERRINGTON RD., BROKEN ARROW TRAIL/PETAL HIGH SCHOOL AND SUNRISE RD./MACEDONIA RD. CONTRACTOR IS ALSO EXPECTED TO ASSIST WITH T1 INSTALLATION AND SETUP OF LEASE LINE COMMUNCATIONS.
28. 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.

4/22/2014 11:29:50 MSGN-1.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO. SP-0063-02(005)
COUNTY:FORREST

WORKING NUMBER GN-1

FILENAME: MSGN-1.DGN
DESIGN TEAM BKI CHECKED KBH DATE 4/2014

SHEET NUMBER 3