1 st O. REV.

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL IMPROVEMENTS & STREET WIDENING
SR 42 AT MAIN STREET & RICHTON ROAD
PETAL, FORREST COUNTY
FEDERAL AID PROJECT NO. STP 0063-02(019)
FMS 103071/301000

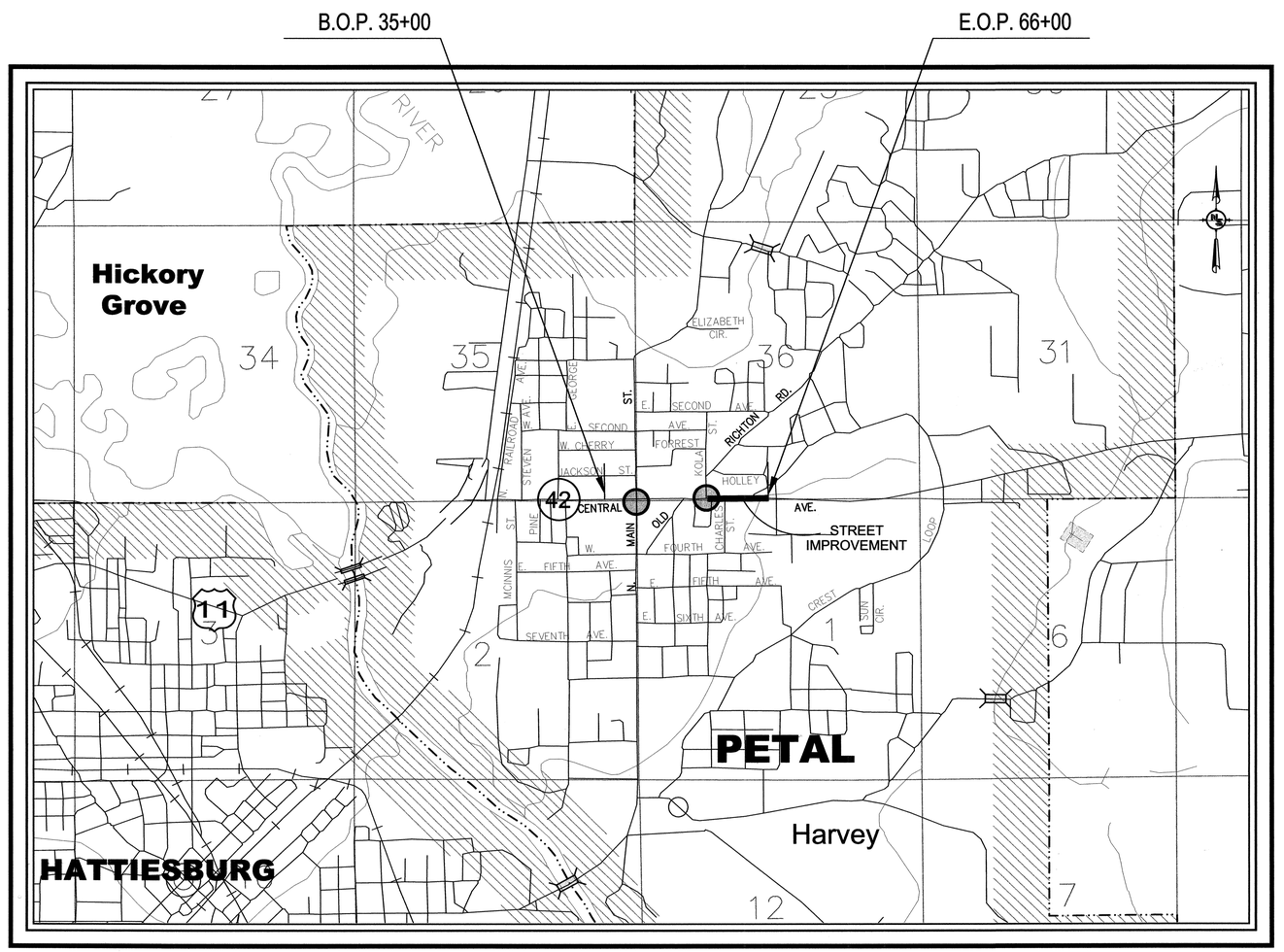
FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
	MISS.	STP 0063-02(019)	1

GENERAL INDEX

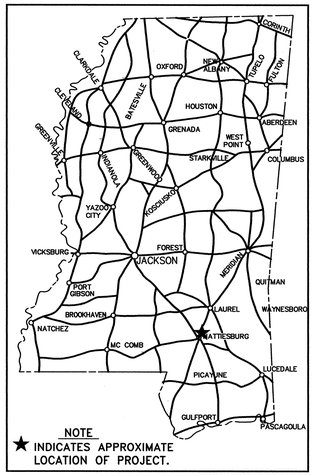
DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX & GENERAL NOTES	2
TYPICAL SECTIONS	1
QUANTITIES	8
PLAN AND PROFILES	2
TRAFFIC SIGNAL IMPROVEMENTS	2
PAVEMENT MARKING	3
SPECIAL DESIGN	14
STANDARD DRAWINGS ⚠	31
TOTAL SHEETS	64 ⚠

SCALES

PLAN 1" = 20' SIGNAL PLAN
1" = 30' PAVEMENT MARKING
PROFILE { HOR. 20 / VERT. 20
VICINITY MAP 1" = 1/4 MILE



VICINITY MAP



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

DESIGN CONTROL
40 MPH = V (SPEED DESIGN)
ADT(2001)= _:10,000 ADT(2021)=15,000
DHV = 1,100: D = 60 T = 5

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 [S]

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: [signature] DATE: 5-20-04

LEGEND:
INDICATES INTERSECTIONS IN THIS PROJECT FOR SIGNAL IMPROVEMENTS
INDICATES LOCATION FOR ROADWAY WIDENING

UTILITIES

CITY OF PETAL - WATER & SEWER
CENTER POINT ENERGY ENTEX (GAS)
MISSISSIPPI POWER
BELL SOUTH
COMCAST CABLE

CONVENTIONAL SYMBOLS

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

114

APPROVED:
[signature] 5/20/04
CHIEF ENGINEER DATE

[signature] 5/20/04
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ENGINEER DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

5/5/04 REVISED SHEETS & REVISED SHEET TOTAL KBH
REVISIONS DATE BY

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

S:\Projects\CadFiles\x460-15 Petal\Drawings\x460-15T.dwg, 5/14/2004 11:07:31 AM, Billy B

1st C. REV.

STATE	PROJECT NO.
MISS.	STP-0063-02(019)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (2)		
DETAILED INDEX	ID-1	2
GENERAL NOTES	GN-1	3
TYPICAL SECTION SHEETS (1)		
TYPICAL SECTION	TS-1	4
QUANTITY SHEETS (8)		
SUMMARY OF QUANTITIES	SQ-1	5
SUMMARY OF QUANTITIES	SQ-2	6
ESTIMATED QUANTITIES (REMOVAL ITEMS)	EQ-1	7
ESTIMATED QUANTITIES (INCIDENTAL CONSTRUCTION ITEMS)	EQ-2	8
ESTIMATED QUANTITIES (INCIDENTAL CONSTRUCTION ITEMS)	EQ-3	9
ESTIMATED QUANTITIES (DRAINAGE STRUCTURES)	EQ-4	10
ESTIMATED QUANTITIES (PAVEMENT MARKINGS & TEMPORARY TRAFFIC CONTROL ITEMS)	EQ-5	11
ESTIMATED QUANTITIES (SIGNALS)	EQ-6	12
PLAN & PROFILE SHEETS (2)		
STATE ROUTE 42 - STA. 52+00.00 TO STA. 56+50.00	PP-1	13
STATE ROUTE 42 - STA. 56+50.00 TO STA. 62+00.00	PP-2	14
INTERSECTION DETAIL SHEETS (2)		
DETAIL OF INTERSECTION - STA. 51+00 TO STA. 56+00	DI-1	15
DETAIL OF INTERSECTION - STA. 56+00 TO STA. 62+00	DI-2	16
PAVEMENT MARKING DETAIL SHEETS (3)		
PAVEMENT MARKING PLAN SR 42 (CENTRAL AVENUE) AT MAIN STREET AND OLD RICHTON ROAD	PM-1	17
PAVEMENT MARKING DETAILS STA. 51+00 to STA. 56+00	PMD-1	18
PAVEMENT MARKING DETAILS STA. 56+00 to STA. 62+00	PMD-2	19
TYPICAL TRAFFIC CONTROL PLANS (5)		
DETAIL OF CONSTRUCTION SIGNING	CDS-1	20
TRAFFIC CONTROL PLAN PHASE I - STA. 51+00 to STA. 56+00	TC-1	21
TRAFFIC CONTROL PLAN PHASE I - STA. 56+00 to STA. 65+50	TC-2	22
TRAFFIC CONTROL PLAN PHASE II - STA. 51+00 to STA. 56+00	TC-3	23
TRAFFIC CONTROL PLAN PHASE II - STA. 51+00 to STA. 65+50	TC-4	24
TRAFFIC SIGNAL IMPROVEMENTS (2)		
TRAFFIC SIGNAL IMPROVEMENTS SR 42 (CENTRAL AVENUE) AT MAIN STREET	TSI-1	25
TRAFFIC SIGNAL IMPROVEMENTS SR 42 (CENTRAL AVENUE) AT OLD RICHTON ROAD	TSI-2	26
VEGETATION SCHEDULE (1)		
VEGETATION SCHEDULE	VS-1	27

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	REVISION DATE
SPECIAL DESIGN SHEETS (6)			
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	TC-5	28	
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES	TSD-1	29	
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-2	30	
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-3	31	
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-4	32	
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS	TSD-5	33	
STANDARD DRAWINGS - ROADWAY SHEETS (31)			
PAVEMENT MARKING LEGEND DETAILS	PM-6	125	
EROSION CONTROL	EC-1	140	
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES & BRUSH BARRIER)	TEC-1	142	
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	145	
GUARD RAIL: "W" BEAM (WOOD POSTS)	GR-1	180	(03-01-02)
GUARD RAIL: "W" BEAM (STEEL POSTS)	GR-1B	182	(03-01-02)
GUARD RAIL: TYPE 1 CABLE ANCHORAGE (FOUNDATION TUBE)	GR-3	192	(03-01-02)
GUARD RAIL: TYPE 1 CABLE ANCHORAGE (CONCRETE FOOTING)	GR-3A	193	(03-01-02)
GUARD RAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS	GR-4C	197	(03-01-02)
GUARD RAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON 2-LANE, 2-WAY HIGHWAYS	GR-4D	198	(03-01-02)
GUARD RAIL: MISCELLANEOUS HARDWARE	GR-HW	202	(03-01-02)
STANDARD ROADSIDE SIGNS	SN-3	222	
STANDARD ROADSIDE SIGNS	SN-3A	223	
STANDARD ROADSIDE SIGNS	SN-3B	224	(03-01-02)
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4	225	
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4B	227	
TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS	SN-5	228	
SIGN FACE CONST. & ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	SN-7	232	(03-01-02)
TYPICAL GUARD RAIL DELINEATION	SN-8C	236	(03-01-02)
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)	TCP-1	250	
SHORT DURATION CLOSING OF TWO-LANE TWO-HIGHWAYS	TCP-8	257	
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-10	259	
RURAL DRIVEWAYS	RD-1	271	
TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS	GT-1	272	
DRIVEWAYS, CURB & GUTTER & SIDEWALK	SD-1	287	
CURB CUT RAMP	CCR-1	289	(03-01-02)
DETAILS OF PAVED FLUMES	PF-1	291	
PIPE CULVERT INSTALLATIONS	PI-1	300	
JUNCTION BOX FOR PIPE CULVERTS	JB-1	302	
DROP INLET AND GRATE DETAILS FOR PIPE AND BOX CULVERTS	B-9	325	
FLARED END SECTION FOR CONCRETE PIPE	FE-1	328	

1

PS & E PLANS-DATE 5/21/04		
FMS CON. # 103071/301000		
REVISIONS		
DATE	SHEET NO.	BY
5/25/04	1,2,5, & 6	ATM
6/25/04	5,8,13,14,15,16,18, 19,21,22,23 & 24	RT

6/25/04	DATE	ATM
	REVISION	BY
	REMOVED SHEETS	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index
(Roadway)

Project No.: STP-0063-02(019)
County: Forrest

WORKING NUMBER	
ID-1	
SHEET NUMBER	
2	

FILENAME: INDEX.dgn
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN REVIEW DIVISION
ENGINEERING DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
06/24/2004 11:32:29 M:\PROJECTS\CADFILES\4460-15 PETAL\BIRMINGHAM\4460-015-PETAL-US42\INDEX.dgn