

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX AND GENERAL NOTES	1
TYPICAL SECTIONS	8
QUANTITIES	8
PLAN AND PROFILES	18
SPECIAL DESIGN - ROADWAY ITEMS	28 Δ
BRIDGE DRAWINGS	
SPECIAL DESIGN - BRIDGES	
CROSS-SECTIONS	

TOTAL SHEETS 64 Δ

STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. NH-HPP-0006-01(073)N

04-6-07

US 78 UPGRADE TO INTERSTATE STANDARDS
 FROM HWY 15 TO BLUE SPRINGS
 UNION CO.

104095/303000

SCALES
 PLAN 1 IN. = 100 FT.
 PROFILE { HOR. 1 IN. = 100 FT.
 VERT. 1 IN. = 10 FT.

B.O.P. STA. 367+89

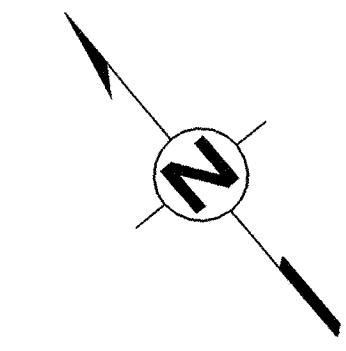
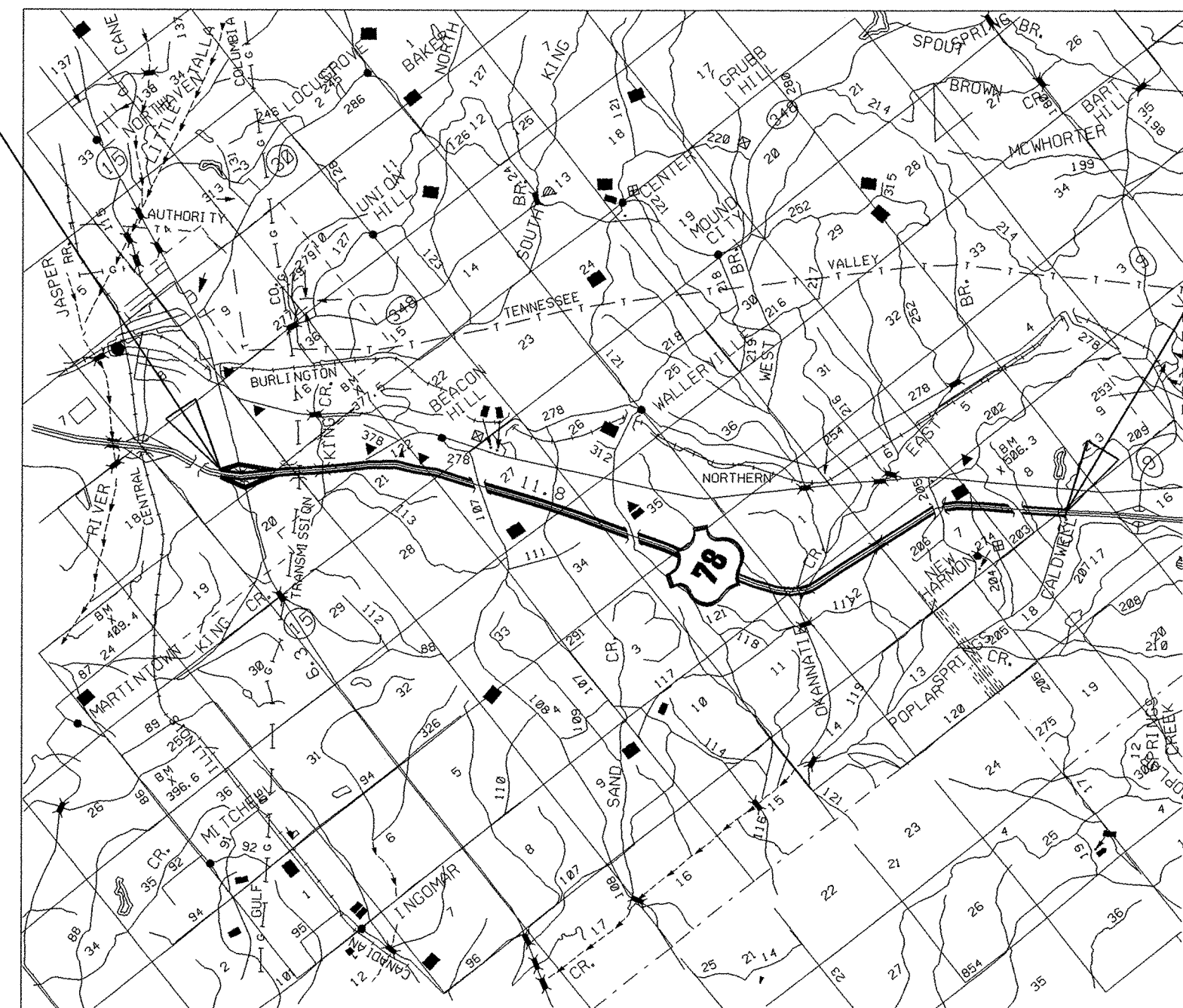
E.O.P. STA. 815+65

BRIDGE STRUCTURES REQ'D.

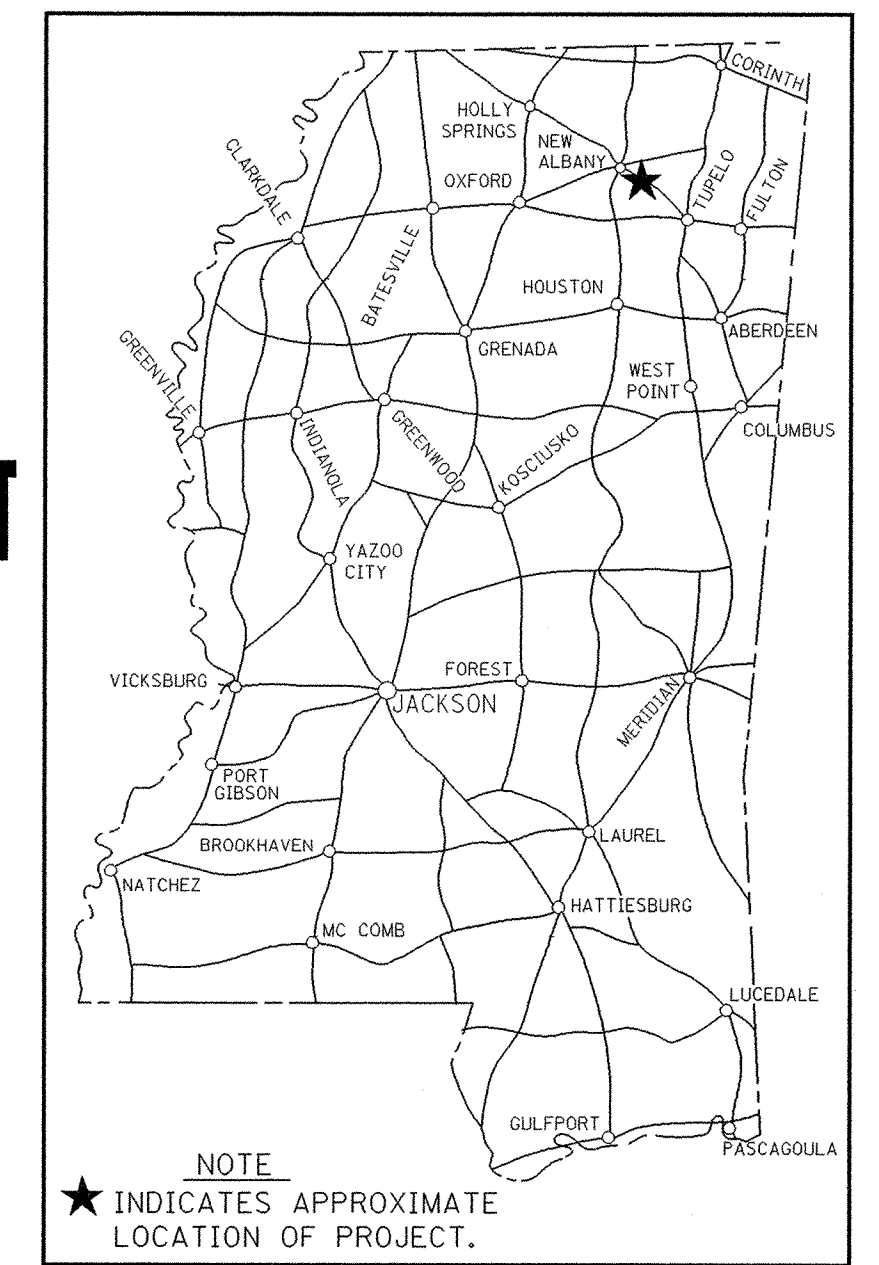
NONE

BOX BRIDGES REQ'D.

NONE



FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	NH-HPP-0006-01(073)N	1



DESIGN CONTROL

MPH = V (SPEED DESIGN)

ADT () = : 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	Y
Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES + INTB 6484)	
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) INTB 6483	
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)	

APPROVED BY: JCR DATE: 04/05/07

EQUATIONS

483 + 72.57 =	483 + 50.00	(+22.57)
564 + 03.94 =	564 + 04.82	(-0.88)
638 + 02.08 =	638 + 00.00	(+2.08)
681 + 78.11 =	682 + 57.53	(-78.54)

LENGTH DATA

LENGTH OF ROADWAY	44720 FT.	8.47 MI.
LENGTH OF BRIDGES	0 FT.	0 MI.
LENGTH OF PROJECT (NET)		8.47 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)		8.47 MI.

EXCEPTIONS

NONE

CONVENTIONAL SYMBOLS

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

REVISED SHEET TOTALS	DATE	REVISIONS

APPROVED: *Harry Lee James* 4-5-07
 CHIEF ENGINEER DATE

APPROVED: *Paul R. Dean* 4-5-07
 EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED: _____ DATE _____
 DIVISION ADMINISTRATOR

FEDERAL HIGHWAY ADMINISTRATION
 DEPARTMENT OF TRANSPORTATION

1st O. REV.

DESCRIPTION OF SHEET

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (1)	DI-1	2
TYPICAL SECTION SHEETS (8)		
TYPICAL SECTION - MAINLINE OVERLAY IN CONCRETE SECTION	TS-1	3
TYPICAL SECTION - INTERCHANGE RAMP OVERLAY	TS-2	4
TYPICAL SECTION - U-TURN MEDIAN OPENING	TS-3	5
TYPICAL SECTION - CONCRETE PUNCHOUT	TS-4	6
TYPICAL SECTION - EDGE DRAIN IN PLACE (INFORMATION PURPOSES ONLY)	TS-5	7
TYPICAL SECTION - GUARDRAIL REPLACEMENT	TS-6	8
TYPICAL SECTION - DETAIL OF ASPHALT THICKNESS TRANSITION AT UNDERPASSES	TS-7	9
TYPICAL SECTION - DETAIL OF MILLING @ BRIDGES, B.O.P. & E.O.P.	TS-8	10
QUANTITY SHEETS (8)		
SUMMARY OF QUANTITIES	SQ-1	11
SUMMARY OF QUANTITIES	SQ-2	12
ESTIMATED QUANTITIES - ASPHALT REMOVAL ON SHOULDERS - UNION CO.	EQ-1	13
ESTIMATED QUANTITIES - CONCRETE PUNCHOUT - WESTBOUND & EASTBOUND LANES- UNION CO.	EQ-2	14
ESTIMATED QUANTITIES - CONCRETE & ASPHALT MILLING	EQ-3	15
ESTIMATED QUANTITIES - GUARDRAIL REMOVAL AND PAVED DITCH ITEMS	EQ-4	16
ESTIMATED QUANTITIES - GUARDRAIL REPLACEMENT	EQ-5	17
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS - UNION CO.	EQ-6	18
PLAN & PROFILE SHEETS- UNION CO. (18)		
US. 78 B.O.P. STA. 367+89 TO STA. 390+00	WK-3	19
HWY 15 INTERCHANGE	WK-3A	20
US. 78 STA. 390+00 TO STA. 420+00	WK-4	21
US. 78 STA. 420+00 TO STA. 429+00	WK-5	22
US. 78 STA. 429+00 TO STA. 450+00	WK-6	23
US. 78 STA. 450+00 TO STA. 480+00	WK-7	24
US. 78 STA. 480+00 TO STA. 510+00	WK-8	25
US. 78 STA. 510+00 TO STA. 540+00	WK-9	26
US. 78 STA. 540+00 TO STA. 570+00	WK-10	27
US. 78 STA. 570+00 TO STA. 600+00	WK-11	28
US. 78 STA. 600+00 TO STA. 630+00	WK-12	29
US. 78 STA. 630+00 TO STA. 660+00	WK-13	30
US. 78 STA. 660+00 TO STA. 690+00	WK-14	31
US. 78 STA. 690+00 TO STA. 720+00	WK-15	32
US. 78 STA. 720+00 TO STA. 750+00	WK-16	33
US. 78 STA. 750+00 TO STA. 780+00	WK-17	34
US. 78 STA. 780+00 TO STA. 810+00	WK-18	35
US. 78 STA. 810+00 TO STA. 825+00	WK-19	36

DESCRIPTION OF SHEET

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	REVISION DATE
SPECIAL DESIGN SHEETS (11)			
DETAIL OF CONSTRUCTION SIGNING	CS-1	37	
DETAIL OF CONSTRUCTION SIGNING	CS-2	38	
LOCATION OF R16-3 SIGNS	LRS-1	39	
VEGETATION SCHEDULE	VS-1	40	
TYPICAL CRC PAVEMENT REPAIR	PR-1	41	
TYPICAL CRC PAVEMENT REPAIR (OPTIONAL WELDING METHOD)	PR-2	42	
DETAIL OF RUMBLE STRIP (GROUND-IN)	RS-1	43	
DETAILS OF LANE CLOSURE FOR FULL DEPTH CONCRETE PAVEMENT REPAIR	LCD-1	44	
TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE	TCD-SC-1	45	
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT 65 OR 70 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)	SD-TCP-4A	46	
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT 65 OR 70 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)	SD-TCP-5A	47	
STANDARD DRAWINGS - ROADWAY SHEETS (17)			
CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 24'-0" WIDE PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	CRP-1	101	(12-01-99)
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMP (PARALLEL & TAPER)	PM-1	120	(12-01-99)
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMP (PARALLEL & TAPER)	PM-3	122	(12-01-99)
EROSION CONTROL	PM-4	123	(12-01-99)
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES & BRUSH BARRIER)	EC-1	140	
DETAILS OF DITCH TREATMENT	TEC-1	142	
GUARD RAIL: "W" BEAM (WOOD POSTS)	DT-1	145	(03-01-02)
GUARD RAIL: "W" BEAM (STEEL POSTS)	GR-1	180	
GUARD RAIL: BRIDGE END SECTION TYPE "D" MODIFIED	GR-1B	182	
GUARD RAIL: BRIDGE END SECTION TYPE "G" MODIFIED	GR-2B	186	
GUARDRAIL TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	GR-2E	189	(12-01-99)
MEDIAN BARRIER: CONCRETE (PRECAST)	GR-4	194	(03-01-02)
TYPICAL GUARD RAIL DELINEATION	MB-2A	205	(03-01-02)
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SN-8C	236	
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	TCP-10	259	(12-01-99)
DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMP	TCP-11	260	
	TCP-12	261	

GENERAL NOTES

- (1) A 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN AND ESTIMATING PURPOSES ONLY.
- (2) THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- (3) A MINIMUM DISTANCE OF 3 MILES IS REQUIRED BETWEEN LANE CLOSURES.
- (4) 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.

DISTRICT 1

PS & E PLANS-DATE 04/06/07		
FMS CON. # 104095/303000		
REVISIONS		
DATE	SHEET NO.	BY
05/14/07	11	JCR
05/25/07	1-5, 8, 15, 17, 20, 41, 42, 44, & 205	

STATE	PROJECT NO.
MISS.	NH-HPP-0006-01(073)N

REVISION DATE

WKG. NO. SH. NO.

ROADWAY DESIGN DIVISION, C.A.D. SECTION, MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. NH-HPP-0006-01(073)N	
COUNTY : UNION	
WORKING NUMBER DI-1	SHEET NUMBER 2
DATE	FILENAME:
DESIGN TEAM	CHECKED DATE