

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

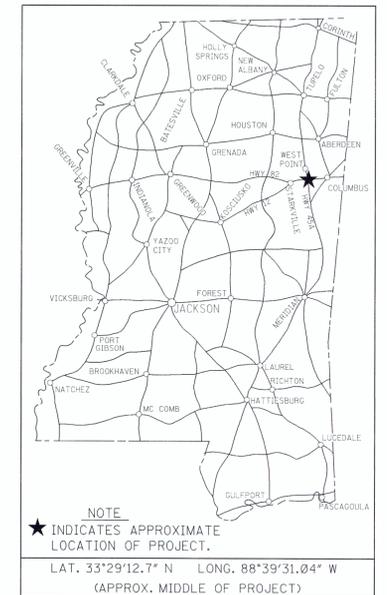
## FEDERAL AID PROJECT NO. STP-0011-03(079)

FMS CONST 106439/301000

### U.S. 82 / U.S. 45A INTERCHANGE ADD A LOOP LOWNDES COUNTY

**SCALES**  
**PLAN** 1 IN. = 100 FT.  
**PROFILE** { **HOR.** 1 IN. = 100 FT.  
**VERT.** 1 IN. = 10 FT.  
**LAYOUT** 1 IN. = 3000 FT.

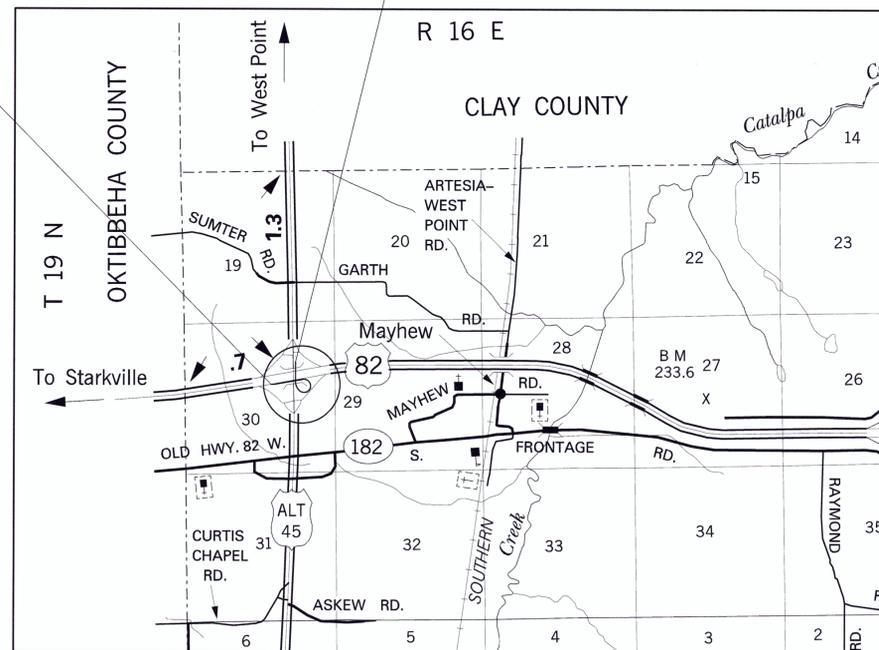
FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	STP-0011-03(079)	1



**GENERAL INDEX**

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

**B.O.P. STA. 418 + 49.521**      **E.O.P. STA. 451 + 50.000**



**Existing Bridge Information:**  
**STA. 424 + 87.93 - STA. 428 + 29.57**

**DESIGN CONTROL**

30 MPH = V (SPEED DESIGN)

ADT (2010) = 23,000 ; ADT (2030) = 45,000

DHV = 5000 ; D = 60 % T = 14 %

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GENERAL*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
INDIVIDUAL (404)*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

\* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

**STORMWATER PERMIT**

Y REQUIRED, CNQD SUBMITTED BY MDOT (DISTRIBUTED AREA - 5 ACRES - INTB 3581)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) (INTB 3067)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *[Signature]* DATE: 6/12/13

**EXCEPTIONS  
NONE**

**GPS CONTROL NOTES**

HORIZONTAL DATUM: NAD 83(2007) MS EAST ZONE (US SURVEY FEET)		
HORIZONTAL MONUMENT	NORTH	EAST
BROOK 2	1342616.3671	1065462.8750
STATE AZ MK RESET	1438805.6209	993913.5644
U346	1536239.0266	1032935.9102

VERTICAL DATUM: NAVD 88 (US SURVEY FEET)		
VERTICAL MONUMENT	ELEVATION	
D 350	244.64	

**ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET**

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	0.99994598
GRID TO GEODETIC AZIMUTH	00° 05' 49.483"

**LENGTH DATA**

LENGTH OF ROADWAY	2959	FT.	0.560	MI.
LENGTH OF BRIDGES	342	FT.	0.065	MI.
LENGTH OF PROJECT (NET)			0.625	MI.
LENGTH OF EXCEPTIONS	0	FT.	0	MI.
LENGTH OF PROJECT (GROSS)			0.625	MI.



APPROVED:	<i>[Signature]</i> 6/13/13
CHIEF ENGINEER	DATE
<i>[Signature]</i>	6/13/13
EXECUTIVE DIRECTOR	DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
APPROVED:	
DIVISION ADMINISTRATOR	DATE
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION	

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET

1

SPECIAL DESIGN SHEETS CONTINUED (55)

DETAILED INDEX AND GENERAL NOTES SHEETS (3)

DETAILED INDEX  
DETAILED INDEX - CONTINUED  
GENERAL NOTES

DI-1  
DI-2  
GN

2  
3  
4

GUARD RAIL BRIDGE END SECTION TYPE 1 (WOOD POST)  
GUARD RAIL BRIDGE END SECTION TYPE 1 (STEEL POST)  
GUARD RAIL BRIDGE END SECTION TYPE 1 (STEEL POST)  
DETAILS OF TYPICAL DITCH TREATMENT  
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REFORCING MAT  
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS (PARALLEL AND TAPER)  
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS  
(PARALLEL AND TAPER)FOR LOOP

GR-2F 34  
GR-2G 35  
GR-RR 36  
DT-1 37  
DT-1A 38  
SDPM-3 39

TYPICAL SECTION SHEETS (1)

TYPICAL SECTIONS - SOUTHEAST LOOP

TS-1

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TYPICAL TEMPORARY EROSION CONTROL MEASURES  
(SLOPE DRAIN AND TYPE A SILT BASIN)  
SUPERELEVATION CASE I ROTATION ABOUT CENTER LINE (2% NORMAL SUBGRADE)  
SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTER LINE

TEC-2 41  
SDSE-2A 42  
SDRO-1 43

QUANTITY SHEETS (9)

SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES  
SUMMARY OF QUANTITIES  
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES  
ESTIMATED QUANTITIES - BRIDGE END PAVEMENT  
ESTIMATED QUANTITIES - REMOVAL ITEMS  
ESTIMATED QUANTITIES - PAVEMENT MARKINGS  
ESTIMATED QUANTITIES - ESTIMATED EARTHWORK  
ESTIMATED QUANTITIES - SUMMARY OF TRAFFIC CONTROL ITEMS

SQ-1  
SQ-2  
SQ-3  
EQ-1  
EQ-2  
EQ-3  
EQ-4  
EQ-5  
TCP-Q

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TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH  
(INTERSTATE AND OTHER 4-LANE DIVIDED HIGHWAYS)(MEDIAN LANE OR  
OUTSIDE LANE CLOSURE)(EXTENDED PERIOD)  
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS  
BREAKAWAY SIGN SUPPORT  
TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE

SDTCP-4 44  
SDTCP-10 45  
SDSN-6B 46  
TCP-SC 47

TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE  
REFERENCE SIGNS

SDSN-8 48

DRIVEWAYS, CURB & GUTTER & SIDEWALK  
TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS

SDSD-1 49  
ECD-1 50

DETAIL OF SEDIMENT BARRIER APPLICATIONS  
DETAILS OF SILT FENCE INSTALLATION

ECD-2 51  
ECD-3 52

DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS  
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES,  
SILT FENCE AND HAY BALE DITCH CHECKS

ECD-4 53  
ECD-5 54

DETAILS OF EROSION CONTROL WATTLE DITCH CHECK  
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK

ECD-6 55  
ECD-7 56

ROCK DITCH CHECK  
ROCK DITCH CHECK WITH SUMP EXCAVATION

ECD-8 57  
ECD-9 58

INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS  
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS

ECD-10 59  
ECD-11 60

INLET PROTECTION DETAILS OF WATTLES  
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE

ECD-12 61  
ECD-13 62

INLET PROTECTION DETAILS OF SAND BAG  
STABILIZED CONSTRUCTION ENTRANCE

ECD-14 63  
ECD-15 64

TEMPORARY CULVERT STREAM CROSSING  
TEMPORARY STREAM DIVERSION

ECD-16 65  
ECD-17 66

TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)  
FLOATING TURBIDITY CURTAIN

ECD-18 67  
ECD-19 68

DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK  
EROSION CONTROL PLANS

ECD-20 69  
ECP-1 70

EROSION CONTROL PLANS

ECP-2 71

PLAN AND PROFILE SHEETS (2)

HWY.82 AT HWY.45 ALT. LOOP STA. 418+49.521 - STA. 447+00  
HWY.82 AT HWY.45 ALT LOOP STA. 447+00 - STA. 451+50.478

WK3  
WK4

15  
16

EROSION CONTROL PLANS

SPECIAL DESIGN SHEETS (55)

INTERCHANGE LAYOUT  
VEGETATION SCHEDULE  
DETAIL OF CONSTRUCTION SIGNING - ALONG HIGHWAY NO. 82  
DETAIL OF CONSTRUCTION SIGNING - ALONG HIGHWAY NO. 45 (ALTERNATE)  
SIGNING DETAILS FOR TWO LANE & FOUR LANE BRIDGE APPROACHES  
PAVEMENT MARKING DETAILS STA.418+49.52 TO STA.424+50  
PAVEMENT MARKING DETAILS STA.424+50 TO STA.430+75  
PAVEMENT MARKING DETAILS STA.430+75 TO STA.437+75  
PAVEMENT MARKING DETAILS STA.437+75 TO STA.445+00  
PAVEMENT MARKING DETAILS STA.445+00 TO STA.451+50.478  
PAVEMENT MARKING DETAILS @ SOUTHWEST RAMP  
PAVEMENT MARKING DETAILS @ SOUTHWEST RAMP  
INTERSECTION DETAILS WITH FORM GRADES STA. 418+49.52 TO STA. 424+50  
INTERSECTION DETAILS WITH FORM GRADES STA. 424+50 TO STA. 430+75  
INTERSECTION DETAILS WITH FORM GRADES STA. 430+75 TO STA. 437+75  
INTERSECTION DETAILS WITH FORM GRADES STA. 437+75 TO STA. 445+00  
INTERSECTION DETAILS WITH FORM GRADES STA. 445+00 TO STA. 451+50.478

IL-1  
VS-1  
DCS-1  
DCS-2  
BAS-4  
PMD-1  
PMD-2  
PMD-3  
PMD-4  
PMD-5  
PMD-6  
PMD-7  
FG-1  
FG-2  
FG-3  
FG-4  
FG-5

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EROSION CONTROL PLANS

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. : STP-0011-03(079) COUNTY : LOWNDES	
WORKING NUMBER DI-1	SHEET NUMBER 2
FILENAME: INDEX.DGN	DESIGN TEAM TERRY CHECKED DATE

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

SIGN SHEET (7)

SIGNING GENERAL NOTES  
SUMMARY OF PERMANENT SIGN QUANTITIES  
STANDARD ROADSIDE SIGN QUANTITIES  
STANDARD ROADSIDE SIGN QUANTITIES  
PERMANENT SIGNING PLAN  
DELINEATOR PLAN SHEET  
DIRECTIONAL SIGN DETAILS

GN-1 1001  
DSQ-1 1002  
SRS1 1003  
SRS2 1004  
PSP-1 1005  
DEL-1 1006  
DSD-1 1007

CROSS-SECTION SHEETS (27)

HWY.82 AT HWY.45 ALT. LOOP CROSS-SECTIONS

9001-9027

TOTAL SHEETS (147)

STANDARD DRAWINGS - ROADWAY SHEETS (42)

BRIDGE END PAVEMENT  
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS (12-1-99)  
PAVEMENT MARKING LEGEND DETAILS  
EROSION CONTROL  
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)

BE-1 6107  
PM-1 6120  
PM-6 6125  
EC-1 6140  
TEC-3 6144

GUARDRAIL: "W" BEAM (WOOD POST) (03-01-02)  
GUARDRAIL: THRIE BEAM (WOOD POSTS) (03-01-02)  
GUARDRAIL: "W" BEAM (STEEL POST) (03-01-02)  
GUARDRAIL: MODIFIED THRIE BEAM (STEEL POST) (03-01-02)

GR-1 6180  
GR-1A 6181  
GR-1B 6182  
GR-1C 6183

GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAY (12-1-99)

GR-4 6194

GUARDRAIL: MISCELLANEOUS HARDWARE (03-01-02)  
STANDARD DIRECTIONAL (GUIDE) SIGNS (03-01-02)  
ROUTE SHIELD AND "EXIT ONLY" PANELS

GR-HW 6202  
SN-1 6220  
SN-2 6221

STANDARD ROADSIDE SIGNS  
STANDARD ROADSIDE SIGNS  
STANDARD ROADSIDE SIGNS (03-01-02)  
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION  
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION  
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION  
TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS  
BREAKAWAY SIGN SUPPORTS  
BREAKAWAY SIGN SUPPORTS

SN-3 6222  
SN-3A 6223  
SN-3B 6224  
SN-4 6225  
SN-4A 6226  
SN-4B 6227  
SN-5 6228  
SN-6 6229  
SN-6A 6230

SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS) (03-01-02)

SN-7 6232

TYPICAL INSTALLATION OF DELINEATORS (03-01-02)

SN-8A 6234  
SN-8C 6236

TYPICAL GUARDRAIL DELINEATION (03-01-02)

TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY) (03-01-02)

TCP-5 6254  
TCP-9 6258

SHORT DURATION CLOSING OF DIVIDED HIGHWAYS (12-1-99)

TCP-11 6260  
TCP-12 6261

TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS (12-1-99)

TCP-13 6262  
TCP-14 6263

DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMP (12-1-99)

TCP-15 6264  
GT-1 6272

TRAFFIC CONTROL PLAN FOR TEMPORARY CONSTRUCTION CROSSOVER (WORK DAY ONLY)

IR-1 6283  
IR-2 6285

TRAFFIC CONTROL PLANS UNEVEN PAVEMENT DETAILS (03-01-02)

IR-2A 6286  
MDS-1 6290

TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS

PI-1 6300  
PC-1 6301

TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS

FE-1 6328  
FE-1A 6329

INTERCHANGE DESIGN FOR HIGH SPEED PARALLEL EXIT RAMP  
INTERCHANGE DESIGN FOR LOOP ENTRANCE RAMP  
INTERCHANGE DESIGN FOR HIGH SPEED PARALLEL ENTRANCE RAMP (03-01-02)

MISCELLANEOUS DETAILS  
PIPE CULVERT INSTALLATION

CONCRETE PIPE COLLAR  
FLARED END SECTION FOR CONCRETE PIPE

FLARED END SECTION FOR CONCRETE ARCH PIPE

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
CONTINUED	
<b>PROJECT NO. : STP-0011-03(079)</b>	
<b>COUNTY : LOWNDES</b>	
WORKING NUMBER	DI-2
FILENAME: INDEX.DGN	SHEET NUMBER
DESIGN TEAM TERRY	3

