FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	HSIP–0008–01(119)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

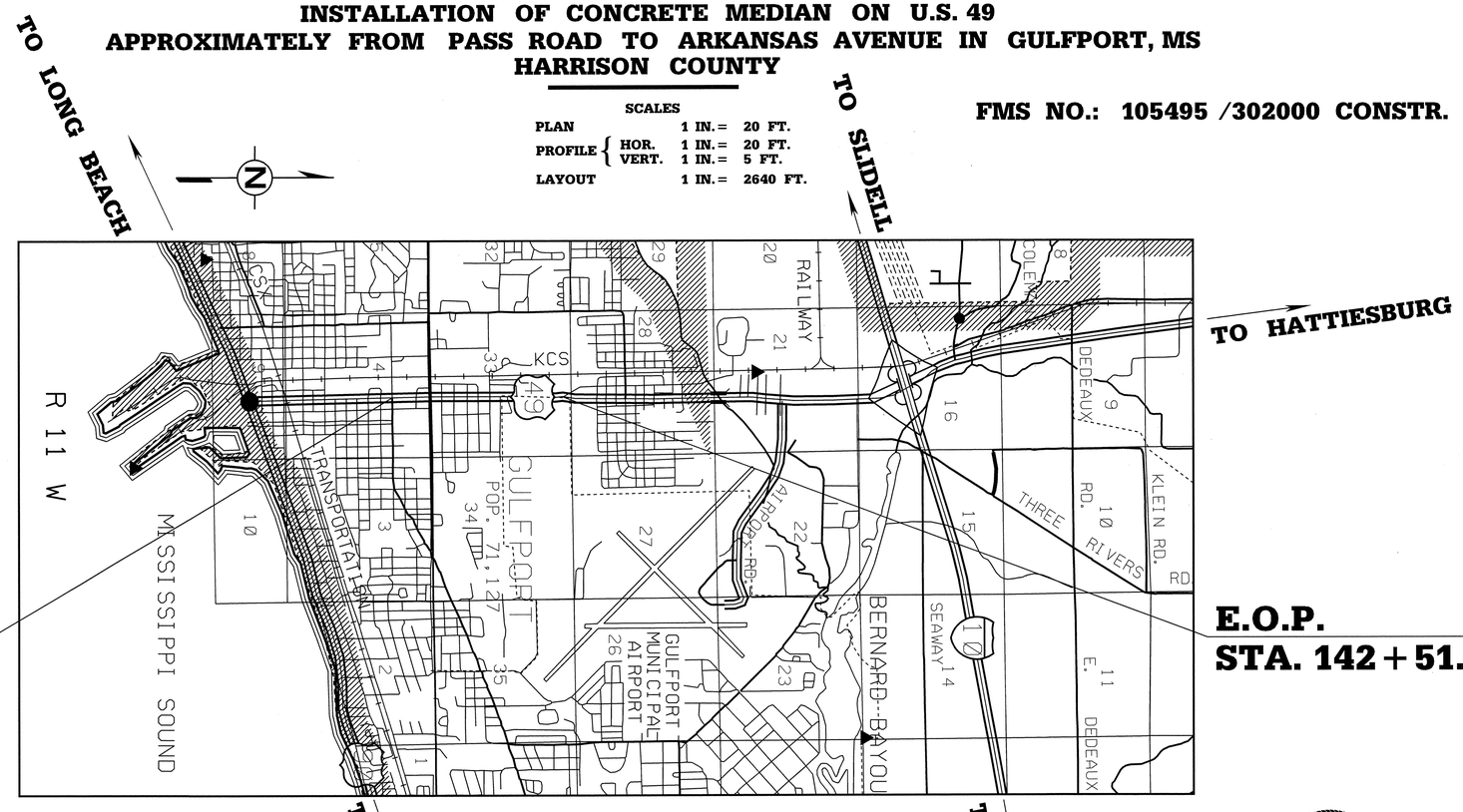
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. HSIP–0008–01(119)

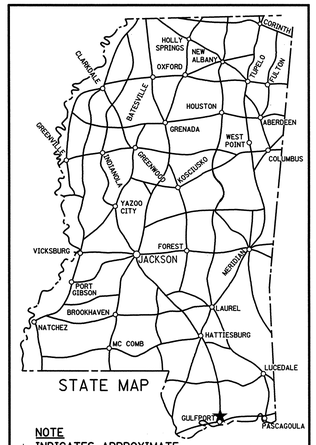
INSTALLATION OF CONCRETE MEDIAN ON U.S. 49 APPROXIMATELY FROM PASS ROAD TO ARKANSAS AVENUE IN GULFPORT, MS HARRISON COUNTY

FMS NO.: 105495 /302000 CONSTR.

SCALES

PLAN		1 IN. = 20 FT.
PROFILE	HOR.	1 IN. = 20 FT.
	VERT.	1 IN. = 5 FT.
LAYOUT		1 IN. = 2640 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 30° 23.0'N LONG. 89° 5.6'W
(APPROX. MIDDLE OF PROJECT)

BRIDGE STRUCTURES REQ'D.

NONE

BOX BRIDGES REQ'D.

NONE

DESIGN CONTROL

50 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 N

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: JCR DATE: 12/03/09

thompson ENGINEERING
100 BUSINESS PARK DRIVE, SUITE G
RIDGELAND, MS 39157
OFFICE - 601.899-9252
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www.thompsonengineering.com

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	5722.25	FT.	1.084	MI.
LENGTH OF BRIDGES	0.00	FT.	0	MI.
LENGTH OF PROJECT (NET)			1.084	MI.
LENGTH OF EXCEPTIONS	0.00	FT.	0	MI.
LENGTH OF PROJECT (GROSS)			1.084	MI.

TIMOTHY A. BRYANT REGISTERED PROFESSIONAL ENGINEER 19346 STATE OF MISSISSIPPI 11/24/09

99

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE 12/3/09
EXECUTIVE DIRECTOR — DATE 12/3/09
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MNDDYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	HSIP-0008-01(119)

DESCRIPTION OF SHEET

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
TITLE SHEET (1)			1
DETAILED INDEX AND GENERAL NOTES (1)			
DETAILED INDEX AND GENERAL NOTES		DI-1	2
TYPICAL SECTION SHEETS (1)			
TYPICAL SECTION - MAINLINE		TS1	3
PROJECT CONTROL SHEETS (1)			
PROJECT CONTROL SHEET		PC1	4
QUANTITY SHEETS (1)			
SUMMARY OF QUANTITIES		SQ1	5
ESTIMATED QUANTITIES (2)			
ESTIMATED QUANTITIES		EQ1	6
ESTIMATED QUANTITIES TRAFFIC CONTROL SIGNS		EQ2	7
PLAN SHEETS (7)			
MAIN FACILITY - STA. 85+29.40 TO STA. 142+51.65 (U.S. 49)		WK3 TO WK8	8-13
SIDEROAD - STA. 20+85.00 TO STA. 21+14.50 (34TH STREET)		WK6A	14
SPECIAL DESIGN SHEETS (4)			
SPECIAL DESIGN CONCRETE ISLAND CONSTRUCTION DETAILS		CI-1	15
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)		SDTCP-3	16
TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE		TCP-SC	17
CONSTRUCTION SIGNING		CS-1	18
PAVEMENT MARKING DETAIL AND PERMANENT SIGNING SHEETS (6)			
DETAIL OF STRIPING AND SIGNING		DS1 TO DS6	19-24
TRAFFIC CONTROL PLAN SHEETS (7)			
TRAFFIC CONTROL PLAN (PHASE 1)		TC1 TO TC6, TC4A	25-31
STANDARD DRAWINGS - ROADWAY SHEETS (11)			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	2-1-99	PM-1	120
PAVEMENT MARKING DETAILS FOR 4 & 5-LANE UNDIVIDED ROADWAYS	2-1-99	PM-2	121
PAVEMENT MARKING LEGEND DETAILS		PM-6	125
4-LANE TO 2-LANE TRANSITION AT INTERCHANGE	12-1-99	PM-8	127
STANDARD ROADSIDE SIGNS	10-1-98	SN-3A	223
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)		TCP-2	251
SHORT DURATION CLOSING OF DIVIDED HIGHWAYS		TCP-9	258
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)		TCP-10	259
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS		TCP-15	264
TEMPORARY STRIPING FOR TRAFFIC CONTROL 4-LANE AND 5-LANE UNDIVIDED HIGHWAYS		TCP-16	265
DRIVEWAYS, CURB & GUTTER, & SIDEWALK		SD-1	287
TOTAL SHEETS			42

GENERAL NOTES

GENERAL NOTES:

1. THE LOCATION AND SPACING OF THE SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE 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.
3. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS.
4. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
5. ANY VOID AREA BETWEEN THE EXISTING PAVEMENT AND THE NEWLY CONSTRUCTED CURB SHALL BE PATCHED WITH HMA, AS DIRECTED BY THE ENGINEER (ABSORBED COST).

PS & E PLANS-DATE 12/07/09
FMS CON. # 105495/101000
REVISIONS

DATE	SHEET NO.	BY

99

TIMOTHY A. BRYANT REGISTERED PROFESSIONAL ENGINEER 10586 STATE OF MISSISSIPPI
12/1/09

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BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX AND GENERAL NOTES

PROJECT NO.: HSIP-0008-01(119)
COUNTY : HARRISON

WORKING NUMBER DI-1
SHEET NUMBER 2

FILENAME: MDOT US 49\dgn\DI.dgn
DESIGN TEAM_____ CHECKED_____ DATE_____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DI_PH2_MDOT.DGN 12/1/2009

STATE	PROJECT NO.
MISS.	HSIP-0008-01(119)

P.C.M. ELEV. 22.29 ft
N. 338578.8433
E. 902328.7002
DESC. 49-24-1

P.C.M. ELEV. 17.31 ft
N. 334799.6313
E. 902650.6957
DESC. 49-24-13

P.C.M. ELEV. 15.08 ft
N. 332906.2403
E. 902291.8009
DESC. 49-24-11

P.C.M. ELEV. 40.82 ft
N. 345304.6346
E. 900513.9399
DESC. 49-24-14

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PROJECT CONTROL

PROJECT NO. HSIP-0008-01(119)
COUNTY : HARRISON

FILENAME: MDOT US 49\dgn\PC.dgn
DESIGN TEAM JBM CHECKED DATE

WORKING NUMBER PC1
SHEET NUMBER 4

REVISION | BY | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MMDDYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	HSIP-0008-01(119)

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT	PRELIM.	FINAL	
	••••• EARTHWORK ITEMS •••••				
202-B017	REMOVAL OF CONCRETE COMBINATION CURB & GUTTER	LIN.FT.	4353		
202-B024	REMOVAL OF CONCRETE MEDIAN & ISLAND PAVEMENT, ALL DEPTHS	SQ.YD.	882		
202-B076	REMOVAL OF TRAFFIC STRIPE	LIN.FT.	3142		
202-B078	REMOVAL OF PAVEMENT, ALL TYPES AND DEPTH	SQ.YD.	221		
	••••• BASE ITEMS •••••				
907-304-F001	SIZE 825 CRUSHED STONE BASE	TON	63		
	••••• BITUMINOUS PAVING ITEMS •••••				
907-403-A001	HOT MIX ASPHALT, HT, 12.5-MM MIXTURE	TON	17		
907-403-A002	HOT MIX ASPHALT, HT, 19-MM MIXTURE	TON	81		① ⑤
907-403-A005	HOT MIX ASPHALT, HT, 9.5-MM MIXTURE	TON	17		
	••••• INCIDENTAL CONSTRUCTION ITEMS •••••				
503-C007	SAW CUT, FULL DEPTH	LIN.FT.	2119		
907-601-A001	CLASS "B" STRUCTURAL CONCRETE	CU.YD.	570		②
602-A001	REINFORCING STEEL	LBS	39034		②
	••••• TRAFFIC CONTROL ITEMS •••••				
618-A001	MAINTENANCE OF TRAFFIC	LUMP SUM	100%		③
618-B001	ADDITIONAL CONSTRUCTION SIGNS	SQ.FT.	1		
619-F1002	PORTABLE MEDIAN BARRIER	LIN.FT.	1000		④
620-A001	MOBILIZATION	LUMP SUM	100%		
	••••• PAVEMENT MARKING AND SIGNING ITEMS •••••				
907-626-E003	6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW	LIN.FT.	3861		
907-626-F005	6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE, CONTINUOUS YELLOW	LIN.FT.	1533		

① THIS QUANITITY INCLUDES THE ASPHALT FOR PATCHING

② FOR DOWLED-IN CONC ISLAND

③ THE FOLLOWING ITEMS SHALL BE PAID FOR UNDER MAINTAINANCE OF TRAFFIC: FREE STANDING PLASTIC DRUMS, ROADSIDE CONST. SIGNS, FLASHING ARROW PANEL, WARNING LIGHTS AND CHANGEABLE MESSAGE SIGN.

④ ESTIMATED QUANTITY TO BE USED AS DIRECTED BY ENGINEER

⑤ 50 TONS ESTIMATED FOR LEVELING AS DIRECTED BY THE ENGINEER

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PROJECT NO. HSIP-0008-01(119)
COUNTY : HARRISON

FILENAME: MDOT US 49\dgn\SQ.dgn
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER: SQ1
SHEET NUMBER: 5

PLAN
ROADWAY - DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SQ_PH2_MDOT.DGN

11/30/2009

STATE	PROJECT NO.
MISS.	HSIP-0008-01(119)

REMOVAL OF CURB

WORK. SH. NO.	STATION TO STATION		LIN. FT.	REMARKS
WK3	85+29.40	87+20.00	193	INCLUDES TAPER
WK3	85+29.40	87+20.00	192	
WK3	87+95.00	89+00.00	105	
WK3	87+95.00	89+00.00	105	
WK4	89+00.00	90+15.40	123	INCLUDES TAPER
WK4	89+00.00	90+15.40	123	INCLUDES TAPER
WK4	94+41.80	96+57.00	217	INCLUDES TAPER
WK4	94+41.80	96+57.00	217	INCLUDES TAPER
WK4	97+53.00	100+27.65	275	INCLUDES TAPER
WK4	97+53.00	100+27.65	275	INCLUDES TAPER
WK5	103+22.25	105+96.50	275	INCLUDES TAPER
WK5	103+22.25	105+96.50	275	INCLUDES TAPER
WK5	106+93.00	109+11.10	219	INCLUDES TAPER
WK5	106+93.00	109+11.10	219	INCLUDES TAPER
WK5	112+06.10	113+00.00	96	INCLUDES TAPER
WK5	112+06.10	113+00.00	96	INCLUDES TAPER
WK6	113+00.00	114+17.00	118	INCLUDES TAPER
WK6	113+00.00	114+17.00	118	INCLUDES TAPER
WK6	115+15.00	117+01.15	188	INCLUDES TAPER
WK6	115+15.00	117+01.15	188	INCLUDES TAPER
WK8	137+86.05	139+63.00	178	INCLUDES TAPER
WK8	137+86.05	139+63.00	178	INCLUDES TAPER
WK8	140+63.00	142+51.65	190	INCLUDES TAPER
WK8	140+63.00	142+51.65	190	INCLUDES TAPER
UNITS			FT	
TOTALS			4353	

REMOVAL OF PAVEMENT

WORK. SH. NO.	STATION TO STATION		PAVEMENT	CONCRETE OVERLAYED W/ASPHALT	SOIL CEMENT	REMARKS
WK3	88+65.4	89+00.0	5			U.S. 49
WK4	89+00.0	90+15.4	56			U.S. 49
WK4	94+80.0	95+91.8	17			U.S. 49
WK5	107+61.1	109+11.1	16			U.S. 49
WK5	112+06.1	113+00.0	11			U.S. 49
WK6	113+00.0	113+56.1	9			U.S. 49
WK6	115+51.2	117+01.2	34			U.S. 49
WK8	137+86.1	139+36.3	41			U.S. 49
WK8	141+01.6	142+51.7	32			U.S. 49
UNITS			SQ YD			
TOTAL			221			

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES

PROJECT: HSIP-0008-01(119)
COUNTY: HARRISON

WORKING NUMBER: EQ1

FILENAME: MDOT US 49\dgn\EQ.dgn
DESIGN TEAM ____ CHECKED ____ DATE ____

SHEET NUMBER: 6

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MMDDYY 00:00AMPM DGNFILENAME