

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

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CROSS-SECTIONS	36
TOTAL SHEETS	188

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY
FEDERAL AID PROJECT NO. STP-0031-02(004)

09-14-05

SR 305 FROM CHURCH ROAD TO US 78
DESOTO COUNTY

FMS R.O.W.: 101427 / 202000
FMS CONST.: 101427 / 302000

SCALES

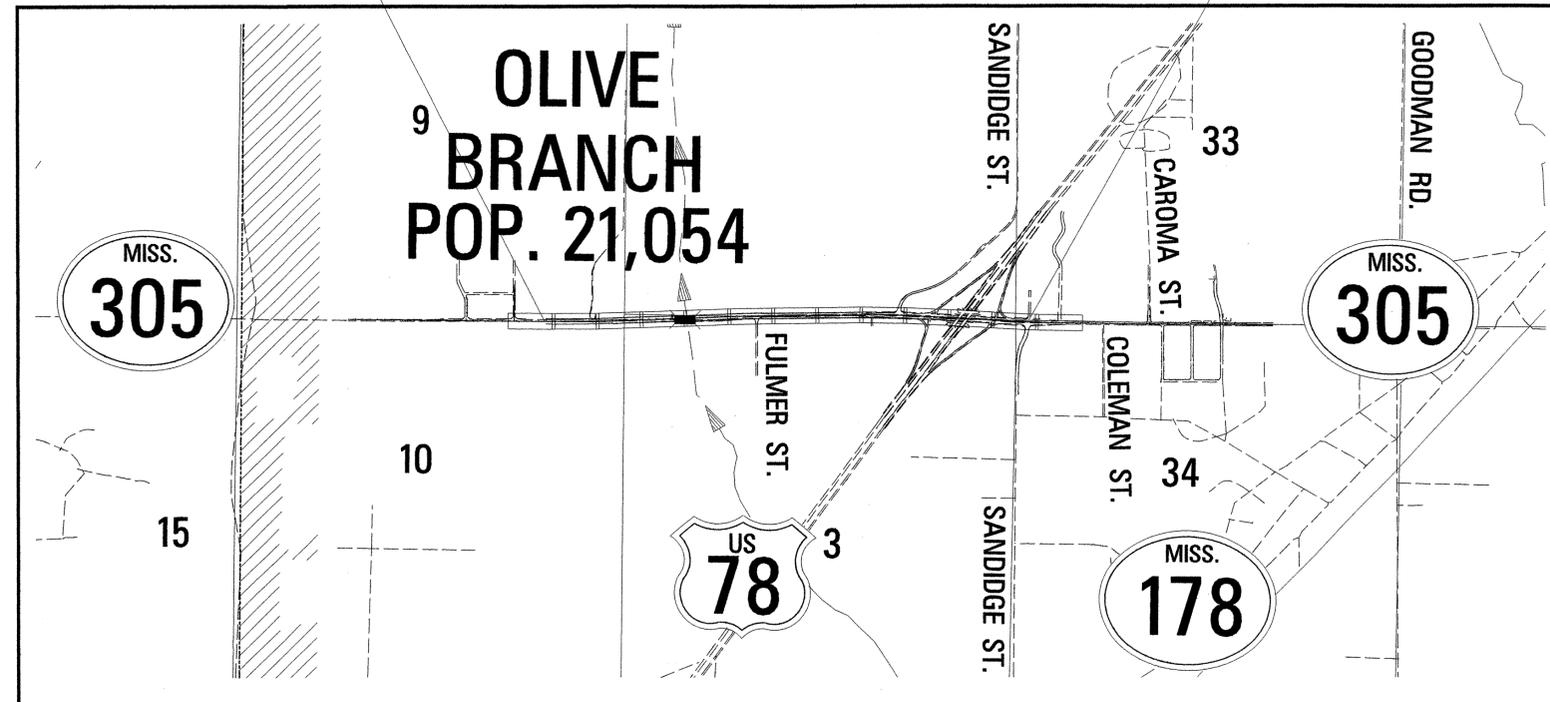
PLAN	1 IN. = 20 FT.
PROFILE	HOR. 1 IN. = 20 FT.
	VERT. 1 IN. = 5 FT.
LAYOUT	1 IN. = 1200 FT.

B.O.P. STA. 640 + 75

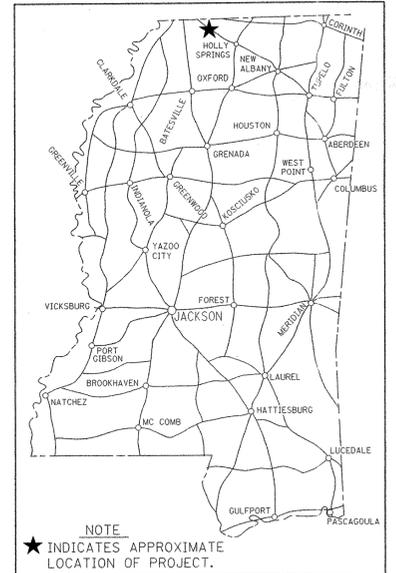
E.O.P. STA. 705 + 74.022

BRIDGE STRUCTURES REQ'D.
STA. 657 + 71.21 - STA. 659 + 52.79
SPANS: 2 @ 40', 1 @ 60', 1 @ 40'
BRIDGE NO. 21.7

BOX BRIDGES REQ'D.
NONE



FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS	STP-0031-02(004)	1



DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2005) = 17,000 ; ADT (2025) = 47,000

DHV = 4700 ; D = 60 % T = 10 %

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 type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input 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, 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: *CKP* DATE: 8/19/05

CONVENTIONAL SYMBOLS

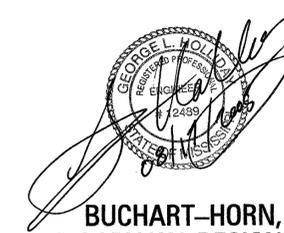
- COUNTY LINE
- TOWN CORPORATION LINE
- SECTION LINE
- EXISTING ROAD OR TRAVELED WAY
- PROPOSED ROAD OR TRAVELED WAY
- RAILROAD
- SURVEY LINE
- BRIDGES

EQUATIONS

LENGTH DATA

LENGTH OF ROADWAY	6317.442 FT.	1.197 MI.
LENGTH OF BRIDGES	181.58 FT.	0.034 MI.
LENGTH OF PROJECT (NET)		1.231 MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)		1.231 MI.

EXCEPTIONS



BUCHART-HORN, INC.
(ROADWAY DESIGN ONLY,
NOT INCLUDING SURVEY)

REVISIONS	DATE	BY	APPROVED BY	DATE
			<i>Larry Lee James</i>	8-19-05
			<i>Sam R. Parnell</i>	8-19-05

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

REVISION
DATE

WKG.
NO.

SH.
NO.

DESCRIPTION OF SHEET

REVISION
DATE

WKG.
NO.

SH.
NO.

STANDARD DRAWINGS - ROADWAY SHEETS

BRIDGE END PAVEMENT
PAVEMENT MARKING DETAILS FOR 4 & 5-LANE UNDIVIDED ROADWAYS
PAVEMENT MARKING LEGEND DETAILS
TYPICAL PLACEMENT OF WARNING SIGNS AND PAVEMENT MARKERS
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMP, PARALLEL AND TAPER

12-01-99
3-01-02
12-01-99

BE-1 107
PM-2 121
PM-6 125
PM-7 126
PM-3 122

EROSION CONTROL
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, AND BRUSH BARRIER)
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE "A" SILT BASIN)

EC-1 140
TEC-1 142
TEC-2 143

DETAILS OF DITCH TREATMENT
STANDARD DIRECTIONAL (GUIDE) SIGNS
ROUTE SHIELDS AND EXIT ONLY PANELS
STANDARD ROADSIDE SIGNS
STANDARD ROADSIDE SIGNS
STANDARD ROADSIDE SIGNS
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION
STANDARD ROADSIDE SIGN ASSEMBLY & INSTALLATION

3-01-02
3-01-02

DT-1 145
SN-1 220
SN-2 221
SN-3 222
SN-3A 223
SN-3B 224
SN-4 225
SN-4A 226
SN-4B 227

BREAKAWAY SIGN SUPPORTS
TRAFFIC CONTROL PLAN WITH FLAGGER
(ONE-LANE CLOSURE OF TWO-LANE TRAFFIC)

SN-6B 231
TCP-1 250

SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS
TRAFFIC CONTROL PLAN: UNEVEN PAVEMENT DETAILS
TEMPORARY STRIPING FOR TRAFFIC CONTROL
2-LANE AND 4-LANE DIVIDED HIGHWAYS
TEMPORARY STRIPING FOR TRAFFIC CONTROL
4-LANE AND 5-LANE UNDIVIDED HIGHWAYS

12-01-99
12-01-99
12-01-99

TCP-8 257
TCP-10 259
TCP-11 260
TCP-14 263
TCP-15 264
TCP-16 265

TYPICAL GRADING TRANSITION BETWEEN CUTS AND FILLS
DRIVEWAYS, CURB & GUTTER, AND SIDEWALK
DETAILS OF PAVED FLUMES

GT-1 272
SD-1 287
PF-1 291

PIPE CULVERT INSTALLATION
CONCRETE PIPE COLLAR
JUNCTION BOX FOR PIPE CULVERTS

PI-1 300
PC-1 301
JB-1 302

DETAILS OF GRATES FOR GUTTER INLETS

IG-2 315

STORM SEWER INLET - TYPE SS-2
STORM SEWER INLET - TYPE SS-3

SS-2 322
SS-3 323

FLARED END SECTION FOR CONCRETE PIPE
FLARED END SECTION FOR CONCRETE ARCH PIPE
DETAILS OF NORMAL UNDERDRAIN AND STORM DRAIN USED AS UNDERDRAIN

FE-1 328
FE-1A 329
UD-1 331

STANDARD TRAFFIC SIGNAL DRAWINGS

DETAILS OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION
PULL BOX AND CONDUIT TRENCHING FOR TRAFFIC SIGNAL INSTALLATION
CONTROLLER CABINET MOUNTING, TYPE 1 POLE ATTACHMENT, AND MISCELLANEOUS DETAILS
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION

TSD-1
TSD-2
TSD-3
TSD-5
TSD-6

CROSS SECTIONS (33)

MAINLINE
SE RAMP
SW RAMP
NE RAMP
NW RAMP

901-926
927-928
929
930
931-932

GUARDRAIL: "W" BEAM (WOOD POSTS)
GUARDRAIL: THRIE BEAM (WOOD POSTS)
GUARDRAIL: "W" BEAM (STEEL POSTS)
GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)
GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)
GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS
GUARDRAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON 2-LANE, 2-WAY HIGHWAYS
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT BRIDGE END DURING CONSTRUCTION PHASES
GUARDRAIL: MISCELLANEOUS HARDWARE
MEDIAN BARRIER: CONCRETE (PRECAST)

3-01-02
3-01-02
3-01-02
3-01-02
12-01-99
12-01-99
3-01-02
3-01-02
3-01-02
3-01-02
3-01-02

GR-1 180
GR-1A 181
GR-1B 182
GR-1C 183
GR-2F 190
GR-2G 191
GR-4 194
GR-4C 197
GR-4D 198
TGR-2 200
GR-HW 202
MB-2A 205

TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS
BREAKAWAY SIGN SUPPORTS
BREAKAWAY SIGN SUPPORTS
SIGN FACE CONST. AND ATTACHEMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS
TYPICAL INSTALLATION OF DELINEATORS
TYPICAL GUARDRAIL DELINEATORS
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE MEDIAN LANE OR OUTSIDE LANE CLOSURE)
RIGHT-OF-WAY MARKER
SIGHT FLARE
SUPERELEVATION TRANSITION CASE 1 ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)
INTERCHANGE DESIGN FOR HIGH-SPEED PARALLEL ENTRANCE RAMP
DROP INLET AND GRATE DETAILS FOR PIPE AND BOX CULVERTS

3-01-02
3-01-02
3-01-02
12-01-99
3-01-02
12-01-99
3-01-02
3-01-02

SN-5 228
SN-6 229
SN-6A 230
SN-7 232
SN-8 233
SN-8A 234
SN-8C 236
TCP-2 251
RW-1 270
SF-1 273
SE-2A 276
IR-2A 286
B-9 325

PRECAST CONCRETE BOX CULVERT
PRECAST BOX CULVERT AND END SECTION

PBC-1 353
PBC-2 354

ROADWAY DESIGN DIVISION C-12.5 SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. : STP-0031-02(004)	WORKING NUMBER
COUNTY : DESOTO	DI-2
DATE: _____	FILENAME: 03 DI-2.DGN
DESIGN TEAM: _____	DATE: 08/05
BY: _____	SHEET NUMBER
REVISION: _____	3

DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS

	<u>WORKING</u> <u>NUMBER</u>	<u>SHEET</u> <u>NUMBER</u>
BRIDGE AT STA. 657+71.21		
SR 305 ACROSS LICK CREEK (ELEVATION)	1 OF 28	466
SR 305 ACROSS LICK CREEK (FOUNDATION PLAN)	2 OF 28	467
GENERALIZED SOIL PROFILE	3 OF 28	468
PHASE CONSTRUCTION DETAILS	4 OF 28	469
END BENT NO. 1 DETAILS (PHASE I)	5 OF 28	470
END BENT NO. 1 DETAILS (PHASE II)	6 OF 28	471
END BENT NO. 5 DETAILS (PHASE I)	7 OF 28	472
END BENT NO. 5 DETAILS (PHASE II)	8 OF 28	473
END BENT DETAILS	9 OF 28	474
INT. BENTS NO. 2 DETAILS (PHASE I)	10 OF 28	475
INT. BENTS NO. 2 DETAILS (PHASE II)	11 OF 28	476
INT. BENTS NO. 3 & 4 DETAILS (PHASE I)	12 OF 28	477
INT. BENTS NO. 3 & 4 DETAILS (PHASE II)	13 OF 28	478
40 FT. SPANS NO. 1 & 2 DETAILS	14 OF 28	479
40 FT. SPANS NO. 1 & 2 DETAILS (TYP. SEC. PHASE I)	15 OF 28	480
40 FT. SPANS NO. 1 & 2 DETAILS (TYP. SEC. PHASE II)	16 OF 28	481
40 FT. SPANS NO. 1 & 2 DETAILS	17 OF 28	482
60 FT. SPAN NO. 3 DETAILS	18 OF 28	483
60 FT. SPAN NO. 3 DETAILS (TYP. SEC. PHASE I)	19 OF 28	484
60 FT. SPAN NO. 3 DETAILS (TYP. SEC. PHASE II)	20 OF 28	485
40 FT. SPAN NO. 4 DETAILS	21 OF 28	486
40 FT. SPAN NO. 4 DETAILS (TYP. SEC. PHASE I)	22 OF 28	487
40 FT. SPAN NO. 4 DETAILS (TYP. SEC. PHASE II)	23 OF 28	488
MISCELLANEOUS SPAN DETAILS	24 OF 28	489
RAILING DETAILS	25 OF 28	490
40 FT. END & INT. BEAM DETAILS (TYPE I+2)	26 OF 28	491
60 FT. INT. BEAM DETAILS (TYPE II+2)	27 OF 28	492
40 FT. END BEAM DETAILS (TYPE I+2)	28 OF 28	493
INFORMATION PLANS (4 SHEETS)		494 THRU 497

BRIDGE DIVISION REVISIONS		
DATE	SHEET NO.	BY

REVISIONS	MISSISSIPPI DEPARTMENT OF TRANSPORTATION BRIDGE AT STA. 657+71.21		
	DETAILED INDEX (BRIDGE)		
	PROJECT	101427/302000 STP-0031-02(004)	
	DESOTO COUNTY	WORKING NUMBER DI-3	SHEET NUMBER 4
DATE	DESIGNED <u>KLC</u>	DETAILED <u>KLC</u>	TRACED <u>CADD</u>
	CHECKED <u>PKB</u>	ISSUED <u>MKC</u>	DATE <u>8/19/05</u>