| FED. ROAD REG. NO. | STATE | PROJECT NO. | SHEET NO. |
|---|---|---|---|
| 4 | MISS. | BR-0031-01(016) | 1 |

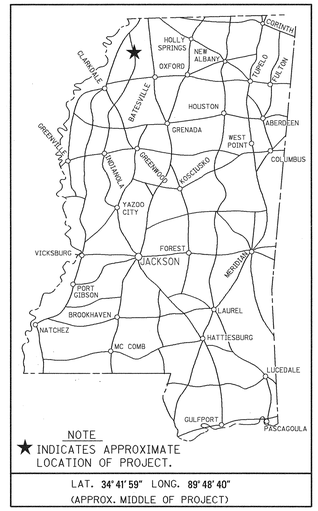
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0031-01(016)

MISS HWY NO 305 FROM MISS HWY NO 4
TO THE DESOTO COUNTY LINE
TATE COUNTY

**FMS CONST. # 103318/301000**



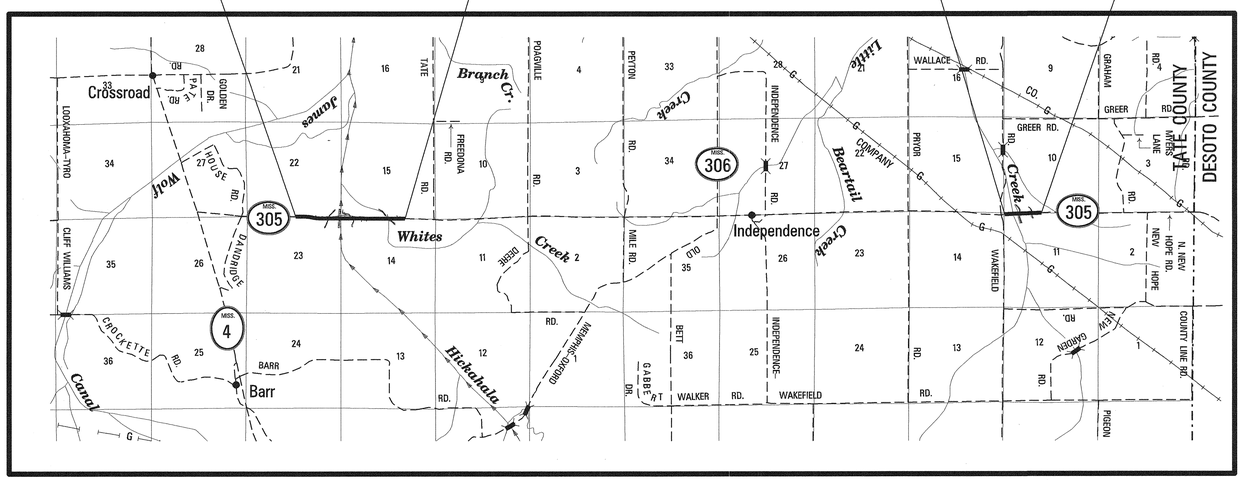

NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 34° 41' 59" LONG. 89° 48' 40"
(APPROX. MIDDLE OF PROJECT)

**SCALES**

| | | |
|---|---|---|
| PLAN | | 1 IN. = 100 FT. |
| PROFILE | HOR. | 1 IN. = 100 FT. |
| | VERT. | 1 IN. = 10 FT. |
| LAYOUT | | 1 IN. = 4000 FT. |

**STA. 63 + 00** **STA. 126 + 00** **STA. 859 + 80.675** **STA. 839 + 30.66**




BRIDGE STRUCTURES REQ'D.

BR. # 1.4
STA. 79 + 44.16 TO STA. 81 + 45.84
200 FT. (5@40' SPANS)
SKEWED 20° LEFT FORWARD

BR. # 1.5
STA. 85 + 26.88 TO STA. 87 + 49.13
220 FT. (1@60', 1@100', 1@60' SPANS)

BR. # 1.6
STA. 92 + 09.09 TO STA. 94 + 50.91
240 FT. (6@40' SPANS)
SKEWED 30° RIGHT FORWARD

BR. # 2.0
STA. 112 + 40.03 TO STA. 114 + 36.97
195 FT. (1@40', 1@75', 2@40' SPANS)
SKEWED 35° RIGHT FORWARD

BR. # 8.5
STA. 849 + 46.87 TO STA. 851 + 68.45
220 FT. (1@40', 1@100', 2@40' SPANS)

## CONVENTIONAL SYMBOLS

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

## EQUATIONS

## EXCEPTIONS

## LENGTH DATA

| | SITE 1 BR. # 1.4, 1.5, 1.6 & 2.0 | | SITE 2 BR. # 8.5 | | TOTAL LENGTH | |
|---|---|---|---|---|---|---|
| LENGTH OF ROADWAY | 5437.31 FT. | 1.030 MI. | 1828.435 FT. | 0.346 MI. | 7265.745 FT. | 1.376 MI. |
| LENGTH OF BRIDGES | 862.59 FT. | 0.163 MI. | 221.58 FT. | 0.042 MI. | 1084.17 FT. | 0.205 MI. |
| LENGTH OF PROJECT (NET) | | 1.193 MI. | | 0.388 MI. | | 1.581 MI. |
| LENGTH OF EXCEPTIONS | FT. | 0.000 MI. | FT. | 0.000 MI. | FT. | 0.000 MI. |
| LENGTH OF PROJECT (GROSS) | | 1.193 MI. | | 0.388 MI. | | 1.581 MI. |

SITE 1
DESIGN CONTROL
65 MPH = V (SPEED DESIGN)
ADT (2012) = 3100 : ADT (2032) = 5100
DHV = 510 : D = 50 % T = 11 %

SITE 2
DESIGN CONTROL
65 MPH = V (SPEED DESIGN)
ADT (2012) = 3100 : ADT (2032) = 5100
DHV = 510 : D = 50 % T = 11 %

| PERMITS ACQUIRED BY MDOT | | |
|---|---|---|
| WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY): | WATERS | WETLANDS |
| NATIONWIDE #14 | N | N |
| NATIONWIDE (OTHER)* | Y | Y |
| 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 +)(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: JOK DATE: 2/14/12

78

APPROVED:
CHIEF ENGINEER — DATE 2/14/12
EXECUTIVE DIRECTOR — DATE 2/14/12
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

REVISIONS | BY | DATE

| STATE | PROJECT NO. |
|---|---|
| MISS. | BR-0031-01(016) |


| DESCRIPTION OF SHEET | WKG. NO. | SH. NO. |
|---|---|---|
| TITLE SHEET (1) | | 1 |
| DETAILED INDEX & GENERAL NOTES (6) | | |
| DETAILED INDEX | DI-1 | 2 |
| DETAILED INDEX | DI-2 | 3 |
| DETAILED INDEX - BRIDGE | DI-BR1 | 4 |
| DETAILED INDEX - BRIDGE | DI-BR2 | 4.1 |
| GENERAL NOTES | GN-1 | 5 |
| GENERAL NOTES | GN-2 | 6 |
| TYPICAL SECTION SHEETS (5) | | |
| TYPICAL SECTION - NEW CONSTRUCTION SITE 1 | TS-1 | 7 |
| TYPICAL SECTION - NEW CONSTRUCTION SITE 2 | TS-2 | 8 |
| TYPICAL SECTION - WIDENING & OVERLAY SITE 1 | TS-3 | 9 |
| TYPICAL SECTION - WIDENING & OVERLAY SITE 2 | TS-4 | 10 |
| TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROAD SITES 1 & 2 | TS-5 | 11 |
| QUANTITY SHEETS (15) | | |
| SUMMARY OF QUANTITIES | SQ-1 | 12 |
| SUMMARY OF QUANTITIES | SQ-2 | 13 |
| SUMMARY OF QUANTITIES | SQ-3 | 14 |
| SUMMARY OF QUANTITIES | SQ-4 | 15 |
| SUMMARY OF QUANTITIES - BRIDGE | SQ-BR | 16 |
| ESTIMATED QUANTITIES FOR EARTHWORK SITE 1 | EQ-1 | 17 |
| ESTIMATED QUANTITIES FOR EARTHWORK SITE 2 | EQ-2 | 18 |
| ESTIMATED QUANTITIES FOR REMOVAL ITEMS | EQ-3 | 19 |
| ESTIMATED QUANTITIES FOR EROSION CONTROL ITEMS | EQ-4 | 20 |
| ESTIMATED QUANTITIES FOR DRIVES AND SIDE DRAINS | EQ-5 | 21 |
| ESTIMATED QUANTITIES FOR GUARDRAIL & BRIDGE END PAVEMENT | EQ-6 | 22 |
| ESTIMATED QUANTITIES FOR TRAFFIC CONTROL ITEMS AND PAVEMENT MARKINGS | EQ-7 | 23 |
| ESTIMATED QUANTITIES FOR BOX CULVERTS AND DRAINAGE STRUCTURES | EQ-8 | 24 |
| ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS | EQ-9 | 25 |
| ESTIMATED QUANTITIES - BRIDGE | EQ-BR | 26 |
| PLAN & PROFILE SHEETS (6) | | |
| MAINLINE STA. 63+00 TO STA. 92+38 | 3 | 27 |
| MAINLINE STA. 92+38 TO STA. 122+00 | 4 | 28 |
| DETOUR ROAD STA. 6+00 TO STA. 36+25.14 | 4A | 29 |
| MAINLINE STA. 122+00 TO STA. 126+00 | 5 | 30 |
| MAINLINE STA. 839+00.00 TO STA. 859+50 | 6 | 31 |
| DETOUR ROAD STA 40+00 TO STA.58+37.13 | 6A | 32 |
| SPECIAL DESIGN SHEETS (67) | | |
| CONSTRUCTION SIGNING SITE 1 | CS1 | 33 |
| CONSTRUCTION SIGNING SITE 2 | CS2 | 34 |
| TRAFFIC CONTROL PLAN PHASE ONE SITE 1 | TCP-1 | 35 |
| TRAFFIC CONTROL PLAN PHASE ONE SITE 1 | TCP-2 | 36 |
| TRAFFIC CONTROL PLAN PHASE TWO SITE 1 | TCP-3 | 37 |
| TRAFFIC CONTROL PLAN PHASE TWO SITE 1 | TCP-4 | 38 |
| TRAFFIC CONTROL PLAN PHASE THREE SITE 1 | TCP-5 | 39 |
| TRAFFIC CONTROL PLAN PHASE THREE SITE 1 | TCP-6 | 40 |
| TRAFFIC CONTROL PLAN PHASE ONE SITE 2 | TCP-7 | 41 |
| TRAFFIC CONTROL PLAN PHASE TWO SITE 2 | TCP-8 | 42 |
| TRAFFIC CONTROL PLAN PHASE THREE SITE 2 | TCP-9 | 43 |
| TYPICAL TEMPORARY EROSION SEDIMENT CONTROL APPLICATIONS | ECD-1 | 44 |
| DETAILS OF SEDIMENT BARRIER APPLICATIONS | ECD-2 | 45 |
| DETAILS OF SILT FENCE INSTALLATION | ECD-3 | 46 |
| DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS | ECD-4 | 47 |

| DESCRIPTION OF SHEET | REVISION DATE | WKG. NO. | SH. NO. |
|---|---|---|---|
| SPECIAL DESIGN SHEETS (CONTINUED) | | | |
| TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS | | ECD-5 | 48 |
| DETAILS OF EROSION CONTROL WATTLE DITCH CHECK | | ECD-6 | 49 |
| DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK | | ECD-7 | 50 |
| ROCK DITCH CHECK | | ECD-8 | 51 |
| ROCK DITCH CHECK WITH SUMP EXCAVATION | | ECD-9 | 52 |
| INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS | | ECD-10 | 53 |
| INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS | | ECD-11 | 54 |
| INLET PROTECTION DETAILS OF WATTLES | | ECD-12 | 55 |
| INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE | | ECD-13 | 56 |
| INLET PROTECTION DETAILS OF SAND BAG | | ECD-14 | 57 |
| STABILIZED CONSTRUCTION ENTRANCE | | ECD-15 | 58 |
| TEMPORARY CULVERT STREAM CROSSING | | ECD-16 | 59 |
| TEMPORARY STREAM DIVERSION | | ECD-17 | 60 |
| TEMPORARY STREAM DIVERSION (BOX EXTENSIONS) | | ECD-18 | 61 |
| FLOATING TURBIDITY CURTAIN | | ECD-19 | 62 |
| DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK | | ECD-20 | 63 |
| PRELIMINARY EROSION CONTROL PLANS - STA. 64+00 TO STA. 91+00 | | ECP3 | 64 |
| PRELIMINARY EROSION CONTROL PLANS - STA. 95+00 TO STA. 122+00 | | ECP4 | 65 |
| PRELIMINARY EROSION CONTROL PLANS - STA. 122+00 TO STA. 125+00 | | ECP5 | 66 |
| PRELIMINARY EROSION CONTROL PLANS - STA. 840+00 TO STA. 857+00 | | ECP6 | 67 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 79+44.16 SR 305 ACROSS HICKAHALA TRIB 1 | | ECP-BR1 | 68 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 79+44.16 SR 305 ACROSS HICKAHALA TRIB 1 | | ECP-BR2 | 68.1 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 85+26.88 SR 305 ACROSS HICKAHALA CANAL | | ECP-BR3 | 69 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 85+26.88 SR 305 ACROSS HICKAHALA CANAL | | ECP-BR4 | 69.1 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 92+09.09 SR 305 ACROSS HICKAHALA TRIB 2 | | ECP-BR5 | 70 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 92+09.09 SR 305 ACROSS HICKAHALA TRIB 2 | | ECP-BR6 | 70.1 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 112+40.03 SR 305 ACROSS WHITE'S CREEK | | ECP-BR7 | 71 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 112+40.03 SR 305 ACROSS WHITE'S CREEK | | ECP-BR8 | 71.1 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 849+46.87 SR 305 ACROSS BEARTAIL CREEK | | ECP-BR9 | 72 |
| EROSION CONTROL PLAN: BRIDGE AT STA. 849+46.87 SR 305 ACROSS BEARTAIL CREEK | | ECP-BR10 | 72.1 |
| MISCELLANEOUS TYPICAL SECTION DETAILS | | MTSD | 73 |
| DETAILS OF TYPICAL DITCH TREATMENT | | DT-1 | 74 |
| SUPER SILT FENCE | | SSF-1 | 75 |
| TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN) | | TEC-2 | 76 |
| TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "D" SILT BASIN) | | TEC-D | 77 |
| R16-3 LOCATION SHEET | | R16-3 | 78 |
| DRUM PLACEMENT AND SHOULDER CLOSURE | | TCP-SC | 79 |
| VEGETATION SCHEDULE | | VS-1 | 80 |
| GUARD RAIL : BRIDGE END SECTION - TYPE "I" (WOOD POST) | | GR-2F | 81 |
| GUARD RAIL : BRIDGE END SECTION - TYPE "I" (STEEL POST) | | GR-2G | 82 |
| GUARD RAIL : RUB RAIL HARDWARE SHEET | | GR-RR | 83 |
| GUARDRAIL (TEMPORARY) : TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS | | TGR-1 | 84 |
| RIGHT-OF-WAY MARKER | | RW-1 | 85 |
| RIGHT-OF-WAY MARKERS | | RW-2 | 86 |
| RIGHT-OF-WAY MARKERS | | RW-3 | 87 |
| BRIDGE END PAVEMENT WITH RAIL AND OVERLAY | | BE-1C | 88 |
| 33.5" BRIDGE END PAVEMENT RAIL | | BE-PR-1B | 89 |
| FLEXIBLE PIPE STANDARD | | HDPE-1 | 90 |
| SPECIAL DESIGN: RUBBLE STRIPES (GROUND-IN) 2 LANE | | RS-2L | 91 |


78

C C LEWIS

| PS & E PLANS-DATE 2-14-12 | | |
|---|---|---|
| FMS CON. # 103361/301000 | | |
| REVISIONS | | |
| DATE | SHEET NO. | BY |
| | | |
| | | |
| | | |
| | | |
| | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# DETAILED INDEX

**PROJECT NO. BR-0031-01(016)**
**COUNTY : TATE**

WORKING NUMBER: DI-1
SHEET NUMBER: 2

FILENAME: di-1.dgn
DESIGN TEAM C.C. LEWIS CHECKED DATE

REVISION BY DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/14/2012 10:22 AM DI-DGN

| STATE | PROJECT NO. |
|---|---|
| MISS. | BR-0031-01(016) |

| DESCRIPTION OF SHEET | REVISION DATE | WKG. NO. | SH. NO. |
|---|---|---|---|
| **SPECIAL DESIGN SHEETS (CONTINUED)** | | | |
| SINGLE CELL - HEIGHT: 5 FT: - SPANS 5-12 FT. - BRIDGE | | SD-IBS-5-2W | 92 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING = SINGLE CELL - HEIGHTS: 4-12 FT. - TOTAL SPANS: 4-24 FT. - BRIDGE | | SD-IWS-3 | 93 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING = SINGLE CELL - HEIGHTS: 4-12 FT. - TOTAL SPANS: 4-24 FT. - BRIDGE | | SD-IWS-3A | 94 |
| **STANDARD DRAWINGS - ROADWAY SHEETS (26)** | | | |
| PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS | 12-01-99 | PM-1 | 120 |
| EROSION CONTROL | | EC-1 | 140 |
| TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN) | | TEC-3 | 144 |
| GUARD RAIL : "W" BEAM (WOOD POSTS) | 3-01-02 | GR-1 | 180 |
| GUARD RAIL : THRIE BEAM (WOOD POSTS) | 3-01-02 | GR-1A | 181 |
| GUARD RAIL : "W" BEAM (STEEL POSTS) | 3-01-02 | GR-1B | 182 |
| GUARD RAIL : MODIFIED THRIE BEAM (STEEL POSTS) | 3-01-02 | GR-1C | 183 |
| GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY | 12-01-99 | GR-4A | 195 |
| GUARD RAIL : MISCELLANEOUS HARDWARE | 3-01-02 | GR-HW | 202 |
| TYPICAL GUARD RAIL DELINEATION | 3-01-02 | SN-8C | 236 |
| TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC) | | TCP-1 | 250 |
| SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS | | TCP-8 | 257 |
| HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS | | TCP-10 | 259 |
| TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS | 12-01-99 | TCP-11 | 260 |
| TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS | | TCP-14 | 263 |
| TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS | 12-01-99 | TCP-15 | 264 |
| RURAL DRIVEWAYS | | RD-1 | 271 |
| TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS | | GT-1 | 272 |
| SUPERELEVATION TRANSITION - CASE I (2.0% NORMAL SUBGRADE) | 3-01-02 | SE-2A | 276 |
| MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINT | | | |
| 2. EXCAVATION AT GRADE POINTS | | MDS-1 | 290 |
| DETAILS OF PAVED FLUMES | | PF-1 | 291 |
| PIPE CULVERT INSTALLATION | | PI-1 | 300 |
| SMALL ANIMAL GUARD AND UNDERDRAIN MARKER | 3-01-02 | SAG-1 | 327 |
| FLARED END SECTION FOR CONCRETE PIPE | | FE-1 | 328 |
| DETAILS OF NORMAL UNDERDRAIN AND STORM DRAIN USED AS UNDERDRAIN | | UD-1 | 331 |
| PRECAST CONCRETE BOX CULVERT | | PBC-1 | 353 |

| DESCRIPTION OF SHEET | WKG. NO. | SH. NO. |
|---|---|---|
| **STANDARD DRAWINGS - BRIDGE SHEETS (7)** | | |
| BASIC CULVERT DRAWINGS - BARREL JOINT LOCATIONS- NORMAL AND SKEWED CULVERTS GROUP I DIAGRAMS | IBJL-1 | 366.1 |
| COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE) | ICJ-1 | 367 |
| BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 10 FT. - SPANS 10 - 22 FT. | IBS-10-2W | 372.1 |
| BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 10 FT. - SPANS 10 - 22 FT. | IBS-10-2W | 372.2 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT. | IWS-3 | 374 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT. | IWS-3 | 375.1 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT. | IWS-3 | 375.2 |
| **BRIDGE DETAIL SHEETS (108)** | | 466-573 |
| **CROSS SECTION SHEETS (28)** | | |
| MAINLINE & DETOUR ROAD SITE 1 | | 901-923 |
| MAINLINE & DETOUR ROAD SITE 2 | | 924-928 |
| TOTAL SHEETS | | 269 |



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# DETAILED INDEX

**PROJECT NO. BR-0031-01(016)**
**COUNTY : TATE**

WORKING NUMBER DI-2

FILENAME: di-1.dgn
DESIGN TEAM C.C. LEWIS CHECKED DATE

SHEET NUMBER 3

REVISION BY DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/15/2012 8:34 AM DI.DGN

| STATE | PROJECT NO. |
|---|---|
| MISS. | BR-0031-01(016) |

| DESCRIPTION OF SHEETS<br>SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS | WORKING NUMBER | SHEET NUMBER |
|---|---|---|
| **BRIDGE AT STA. 849+46.87** | | |
| SR 305 ACROSS BEARTAIL CREEK (LAYOUT) | E1 OF 22 | 540 |
| SR 305 ACROSS BEARTAIL CREEK (FOUNDATION) | E2 OF 22 | 541 |
| GENERALIZED SOIL PROFILE | E3 OF 22 | 542 |
| END BENT NO. 1 DETAILS | E4 OF 22 | 543 |
| END BENT NO. 5 DETAILS | E5 OF 22 | 544 |
| END BENT DETAILS | E6 OF 22 | 545 |
| INT. BENTS NO. 2 DETAILS | E7 OF 22 | 546 |
| INT. BENTS NO. 3 DETAILS | E8 OF 22 | 547 |
| SHEAR KEY DETAILS | E9 OF 22 | 548 |
| INT. BENTS NO. 4 DETAILS | E10 OF 22 | 549 |
| 40 FT. SPAN NO. 1 DETAILS | E11 OF 22 | 550 |
| 40 FT. SPAN NO. 3 & 4 DETAILS | E12 OF 22 | 551 |
| 40 FT. SPAN DETAILS | E13 OF 22 | 552 |
| 40 FT. SPAN DETAILS | E14 OF 22 | 553 |
| 100 FT. SPAN NO. 2 DETAILS | E15 OF 22 | 554 |
| 100 FT. SPAN DETAILS | E16 OF 22 | 555 |
| 100 FT. SPAN DETAILS | E17 OF 22 | 556 |
| MISCELLANEOUS SPAN DETAILS | E18 OF 22 | 557 |
| RAILING DETAILS | E19 OF 22 | 558 |
| 40 FT. BEAM DETAILS (END SPAN) - TYPE 1+2 | E20 OF 22 | 559 |
| 100 FT. BEAM DETAILS (INT. SPAN) - TYPE IV | E21 OF 22 | 560 |
| 40 FT. BEAM DETAILS (END AND INT. SPANS) - TYPE 1+2 | E22 OF 22 | 561 |

| SPECIAL DESIGN SHEETS<br>DETOUR BRIDGE DRAWINGS | WORKING NUMBER | SHEET NUMBER |
|---|---|---|
| DETOUR AT STA. 22+48.00 SR 305<br>ACROSS WHITES'S CREEK | DBD1 OF 1 | 562 |
| DETOUR AT STA. 50+23.67 SR 305<br>ACROSS BEARTAIL CREEK | DBE1 OF 1 | 563 |

| SUPPLEMENTAL ORIGINAL PLANS<br>FOR INFORMATION ONLY | SHEET NUMBER |
|---|---|
| BRIDGE "F" LAYOUT OVER BEAR TAIL CANAL | 564 |
| EXTENSIONS TO EXISTING BRIDGE OVER BEARTAIL CREEK | 565 |
| EXTENSIONS TO EXISTING BRIDGE OVER BEARTAIL CREEK | 566 |
| 19 FT. PRECAST CONCRETE SPAN | 567 |
| PRECAST CONCRETE CAPS FOR USE WITH 19 FT. PRECAST CONCRETE SPAN | 568 |
| PRECAST ABUTMENT WINGS FOR 19 & 31 FT. PRECAST CONCRETE SPANS | 569 |
| 31 FT. PRESTRESSED CONCRETE SPAN | 570 |
| 31 FT. PRESTRESSED CONCRETE SPAN | 571 |
| 31 FT. PRESTRESSED CONCRETE SPAN | 572 |
| PRECAST CONCRETE CAPS FOR USE WITH 31 FT. PRECAST PRESTRESSED CONCRETE SPAN | 573 |

| BRIDGE DIVISION | | |
|---|---|---|
| REVISIONS | | |
| DATE | SHEET NO. | BY |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DEPARTMENT OF TRANSPORTATION MDOT MISSISSIPPI

REVISIONS | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX
(BRIDGE)

PROJECT 103318/301000
BR-0031-01(016)

TATE COUNTY

WORKING NUMBER DI-BR2

DESIGNED MRD DETAILED MRD TRACED CADD

CHECKED JTB ISSUED NJA DATE 2/10/2012

SHEET NUMBER 4.1

| STATE | PROJECT NO. |
|---|---|
| MISS. | BR-0031-01(016) |

| DESCRIPTION OF SHEETS<br>SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS | WORKING NUMBER | SHEET NUMBER |
|---|---|---|
| **BRIDGE AT STA. 79+44.16** | | |
| SR 305 ACROSS HICKAHALA TRIB. 1 (LAYOUT) | A1 OF 16 | 466 |
| SR 305 ACROSS HICKAHALA TRIB. 1 (FOUNDATION) | A2 OF 16 | 467 |
| GENERALIZED SOIL PROFILE | A3 OF 16 | 468 |
| END BENT NO. 1 DETAILS | A4 OF 16 | 469 |
| END BENT NO. 6 DETAILS | A5 OF 16 | 470 |
| END BENT DETAILS | A6 OF 16 | 471 |
| INT. BENTS NO. 2-4 DETAILS | A7 OF 16 | 472 |
| INT. BENT NO. 5 DETAILS | A8 OF 16 | 473 |
| 40 FT. SPAN DETAILS | A9 OF 16 | 474 |
| 40 FT. SPAN DETAILS | A10 OF 16 | 475 |
| MISCELLANEOUS SPAN DETAILS | A11 OF 16 | 476 |
| RAILING DETAILS | A12 OF 16 | 477 |
| 40 FT. BEAM DETAILS (END SPANS) - TYPE 1+2 | A13 OF 16 | 478 |
| 40 FT. BEAM DETAILS (INT. SPANS) - TYPE 1+2 | A14 OF 16 | 479 |
| PAD PLACEMENT DETAILS | A15 OF 16 | 480 |
| PRESTRESSED CONCRETE PILE DETAILS | A15 OF 16 | 481 |
| **BRIDGE AT STA. 85+26.88** | | |
| SR 305 ACROSS HICKAHALA CREEK (LAYOUT) | B1 OF 19 | 482 |
| SR 305 ACROSS HICKAHALA CREEK (FOUNDATION) | B2 OF 19 | 483 |
| GENERALIZED SOIL PROFILE | B3 OF 19 | 484 |
| END BENT NO. 1 DETAILS | B4 OF 19 | 485 |
| END BENT NO. 4 DETAILS | B5 OF 19 | 486 |
| END BENT DETAILS | B6 OF 19 | 487 |
| INT. BENT NO. 2 DETAILS | B7 OF 19 | 488 |
| INT. BENT NO. 3 DETAILS | B8 OF 19 | 489 |
| SHEAR KEY DETAILS | B9 OF 19 | 490 |
| 60 FT. SPAN NO. 1 & 3 DETAILS | B10 OF 19 | 491 |
| 60 FT. SPAN DETAILS | B11 OF 19 | 492 |
| 60 FT. SPAN DETAILS | B12 OF 19 | 493 |
| 100 FT. SPAN NO. 2 DETAILS | B13 OF 19 | 494 |
| 100 FT. SPAN DETAILS | B14 OF 19 | 495 |
| 100 FT. SPAN DETAILS | B15 OF 19 | 496 |
| MISCELLANEOUS SPAN DETAILS | B16 OF 19 | 497 |
| RAILING DETAILS | B17 OF 19 | 498 |
| 60 FT. BEAM DETAILS (END SPANS) - TYPE II+2 | B18 OF 19 | 499 |
| 100 FT. BEAM DETAILS (INT. SPAN) - TYPE IV | B19 OF 19 | 500 |

| DESCRIPTION OF SHEETS<br>SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS | WORKING NUMBER | SHEET NUMBER |
|---|---|---|
| **BRIDGE AT STA. 92+09.09** | | |
| SR 305 ACROSS HICKAHALA TRIB. 2 (LAYOUT) | C1 OF 16 | 501 |
| SR 305 ACROSS HICKAHALA TRIB. 2 (FOUNDATION) | C2 OF 16 | 502 |
| GENERALIZED SOIL PROFILE | C3 OF 16 | 503 |
| END BENT NO. 1 DETAILS | C4 OF 16 | 504 |
| END BENT NO. 7 DETAILS | C5 OF 16 | 505 |
| END BENT DETAILS | C6 OF 16 | 506 |
| INT. BENT NO. 2, 3, 5 & 6 DETAILS | C7 OF 16 | 507 |
| INT. BENTS NO. 4 DETAILS | C8 OF 16 | 508 |
| 40 FT. SPAN NO. 1-3 DETAILS | C9 OF 16 | 509 |
| 40 FT. SPAN NO. 4-6 DETAILS | C10 OF 16 | 510 |
| 40 FT. SPAN DETAILS | C11 OF 16 | 511 |
| MISCELLANEOUS SPAN DETAILS | C12 OF 16 | 512 |
| RAILING DETAILS | C13 OF 16 | 513 |
| 40 FT. BEAM DETAILS (END SPANS) - TYPE 1+2 | C14 OF 16 | 514 |
| 40 FT. BEAM DETAILS (INT. SPANS) - TYPE 1+2 | C15 OF 16 | 515 |
| PAD PLACEMENT DETAILS | C16 OF 16 | 516 |
| **BRIDGE AT STA. 112+40.03** | | |
| SR 305 ACROSS WHITE'S CREEK (LAYOUT) | D1 OF 23 | 517 |
| SR 305 ACROSS WHITE'S CREEK (FOUNDATION) | D2 OF 23 | 518 |
| GENERALIZED SOIL PROFILE | D3 OF 23 | 519 |
| END BENT NO. 1 DETAILS | D4 OF 23 | 520 |
| END BENT NO. 5 DETAILS | D5 OF 23 | 521 |
| END BENT DETAILS | D6 OF 23 | 522 |
| INT. BENT NO. 2 DETAILS | D7 OF 23 | 523 |
| INT. BENT NO. 3 DETAILS | D8 OF 23 | 524 |
| SHEAR KEY DETAILS | D9 OF 23 | 525 |
| INT. BENT NO. 4 DETAILS | D10 OF 23 | 526 |
| 40 FT. SPAN NO. 1 DETAILS | D11 OF 23 | 527 |
| 40 FT. SPANS NO. 3 & 4 DETAILS | D12 OF 23 | 528 |
| 40 FT. SPAN DETAILS | D13 OF 23 | 529 |
| 40 FT. SPAN DETAILS | D14 OF 23 | 530 |
| 75 FT. SPAN NO. 2 DETAILS | D15 OF 23 | 531 |
| 75 FT. SPAN DETAILS | D16 OF 23 | 532 |
| 75 FT. SPAN DETAILS | D17 OF 23 | 533 |
| MISCELLANEOUS SPAN DETAILS | D18 OF 23 | 534 |
| RAILING DETAILS | D19 OF 23 | 535 |
| 40 FT. BEAM DETAILS (END SPAN) - TYPE 1+2 | D20 OF 23 | 536 |
| 75 FT. BEAM DETAILS (INT. SPAN) - TYPE III | D21 OF 23 | 537 |
| 40 FT. BEAM DETAILS (END AND INT. SPANS) - TYPE 1+2 | D22 OF 23 | 538 |
| PAD PLACEMENT DETAILS | D23 OF 23 | 539 |

| BRIDGE DIVISION | | |
|---|---|---|
| REVISIONS | | |
| DATE | SHEET NO. | BY |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DEPARTMENT OF TRANSPORTATION MDOT MISSISSIPPI

REVISIONS | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX
(BRIDGE)

PROJECT 103318/301000
BR-0031-01(016)

TATE COUNTY

WORKING NUMBER
DI-BR1

DESIGNED MRD DETAILED MRD TRACED CADD
CHECKED JTB ISSUED NJA DATE 2/10/2012

SHEET NUMBER
4

| STATE | PROJECT NO. |
|---|---|
| MISS. | BR-0031-01(016) |

# GENERAL NOTES

## UTILITY CONTACTS

① UTILITY CONTACTS

AT&T
662-236-1322

ENTERGY
662-280-6972

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 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

④ IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. 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.

⑤ VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE BACKFILL MATERIAL IS NOT A SEPARATE PAY ITEM.

⑥ UTILITIES ON THE DRAWINGS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. UTILITIES THAT WERE FOUND TO BE IN CONFLICT WITH CONSTRUCTION HAVE BEEN RELOCATED. PERMITS ARE ON FILE WITH THE DEPARTMENT SHOWING THE APPROXIMATE LOCATION OF UTILITIES RELOCATED WITHIN THE RIGHT-OF-WAY. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD-LOCATED IN ADVANCE OF CONSTRUCTION.

GENERAL NOTES

⑦ WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY, SHALL BE ABSORBED IN OTHER ITEMS BID. THE DESIGN SHALL BE PROVIDED BY A LICENSED P.E. AND SUBMITTED TO MDOT FOR APPROVAL.

⑧ FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

⑨ ALL PAVEMENT MARKING SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.

⑩ VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.

⑪ ALL REINFORCED CONCRETE NON-STACK PIPE JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC, 24" IN WIDTH (NOT A SEPARATE PAY ITEM). ALL PICKUP HOLES ARE TO BE PLUGGED WITH PLASTIC INSERTS AND BITUMINOUS SEALER TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).

⑫ ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND SALVAGED FOR MDOT MAINTENANCE BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.

⑬ THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN AND UPDATE THE PLAN DURING CONSTRUCTION.

⑭ SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.

| REVISION | BY | DATE |
|---|---|---|
| | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJ. NO. BR-0031-01(016)
COUNTY: TATE
FILENAME: GN-1.DGN
DESIGN TEAM C.C. LEWIS CHECKED DATE

WORKING NUMBER GN-1
SHEET NUMBER 5

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/14/2012 11:12AM GN-1.DGN