

1st O.REV.

**GENERAL INDEX**

| INCLUDED THIS PROJECT  | BEGIN WITH SHEET |
|--|------------------|
| <input checked="" type="checkbox"/> ROADWAY .....            | 1                |
| <input checked="" type="checkbox"/> PERMANENT SIGNS .....    | 1001             |
| <input checked="" 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 checked="" type="checkbox"/> BRIDGE .....             | 8001             |
| <input checked="" type="checkbox"/> CROSS SECTIONS .....     | 9001             |

**BRIDGE STRUCTURES REQ'D.**

- Ⓐ FRONTAGE RD. STA. 404+45.19  
SPANS REQ'D. 1 @ 60', 1 @ 200' (110'-90'), 1 @ 120' (40'-40'-40'), 1 @ 120' (40'-40'-40')  
45°00'00" LT. FORWARD SKEW  
502.71' ALONG CL.
- Ⓑ STA. 1403+18.41  
SPANS REQ'D. 1 @ 60', 1 @ 110', 1 @ 60'  
45°00'00" LT. FORWARD SKEW  
233.18' ALONG CL.

**BOX BRIDGES REQ'D.**

NONE

**GPS CONTROL NOTES**

HORIZONTAL DATUM: NAD 83 (2011) MS EAST ZONE (US SURVEY FEET)

| HORIZONTAL MONUMENT | NORTH       | EAST       |
|---------------------|-------------|------------|
| 102                 | 1769289.892 | 781243.175 |
| 104                 | 1766636.841 | 780493.931 |
| 106                 | 1760914.246 | 777829.213 |

VERTICAL DATUM: NAVD 88 (US SURVEY FEET)

| VERTICAL MONUMENT | ELEVATION    |
|-------------------|--------------|
| 102               | 458.047      |
| 104               | 435.843      |
| 106               | NO ELEVATION |

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

| CONVERSION VALUES                | PROJECT AVERAGE |
|----------------------------------|-----------------|
| GROUND TO GRID (COMBINED) FACTOR | 0.999984425     |
| GRID TO GEODETIC AZIMUTH         | (-00°23'01.243" |

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE OF PROPOSED STATE HIGHWAY**  
**FEDERAL AID PROJECT NO. SP-0019-02(054)**  
**SR 7 FNC FRONTAGE ROAD MDA-0019-02(053)**  
**LAFAYETTE COUNTY**

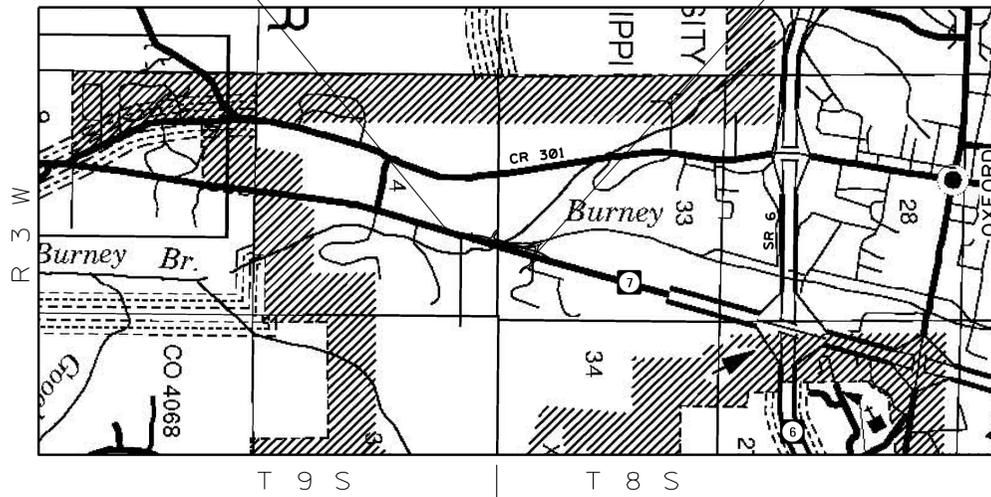
102168/302000  
102168/303000

**SCALES**

|         |                      |
|---------|----------------------|
| PLAN    | 1 IN. = 100 FT.      |
| PROFILE | HOR. 1 IN. = 100 FT. |
|         | VERT. 1 IN. = 10 FT. |
| LAYOUT  | 1 IN. = 2000 FT.     |



BEGIN PROJECT STA. 1394+24.20      END PROJECT STA. 1420+48.00



**EQUATIONS**

NONE

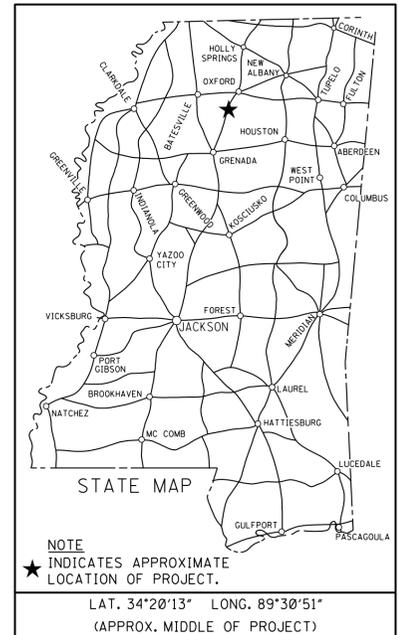
**EXCEPTIONS**

NONE

**LENGTH DATA**

|                           |             |          |
|---------------------------|-------------|----------|
| LENGTH OF ROADWAY         | 2390.62 FT. | 0.45 MI. |
| LENGTH OF BRIDGES         | 233.18 FT.  | 0.05 MI. |
| LENGTH OF PROJECT (NET)   | 2623.80 FT. | 0.50 MI. |
| LENGTH OF EXCEPTIONS      | FT.         | MI.      |
| LENGTH OF PROJECT (GROSS) | 2623.80 FT. | 0.50 MI. |

| STATE | PROJECT NO.                         | SHEET NO. |
|-------|-------------------------------------|-----------|
| MISS. | SP-0019-02(054)<br>MDA-0019-02(053) | 1         |



**DESIGN CONTROL**

65 MPH = V (SPEED DESIGN)

ADT (2010) = 18,140 ; ADT (2037) = 35,210

DHV = 3,570 ; D = 60 % T = 4.1 %

**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, SCNOI SUBMITTED BY MDOT (DISTURBED AREA=5 ACRES)

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

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: *[Signature]* DATE: 5/8/14

**ACCESS CONTROL**

NOTES:

- Access to and exit from this highway will be permitted only through interchange or such other points as may be established by public authority and as shown on the plans.
- This note applies to locations as shown in plans. This project is declared by the Transportation Commission to be Type 2A Controlled Access Facility, as defined in and subject to all restrictions shown by order of said Commission dated 8th day of April, 2014 in minute book 18, pages 1037-1038 and authorized under section 65-1-101(MCA) (1972, as amended).



|               |  |
|---------------|--|
| TWB BY        | APPROVED: <i>[Signature]</i> 5/8/14<br>CHIEF ENGINEER DATE   |
| PROJECT SPLIT | APPROVED: <i>[Signature]</i> 5/9/14<br>EXECUTIVE DIRECTOR DATE   |
| REVISIONS     | MISSISSIPPI DEPARTMENT OF TRANSPORTATION   |
| DATE          | APPROVED: _____ DATE _____<br>DIVISION ADMINISTRATOR<br>FEDERAL HIGHWAY ADMINISTRATION<br>DEPARTMENT OF TRANSPORTATION |

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

DESCRIPTION OF SHEET

STATE PROJECT NO. MISS. SP-0019-02(054) MDA-0019-02(053)

WKG. NO. SH. NO.

ROADWAY (104) TITLE SHEET (1)

DETAILED INDEX (3)

DETAILED INDEX DI-1 DI-2 GN-1

TYPICAL SECTIONS (5)

TYPICAL SECTIONS-SR7 TS-1 TS-2 TS-3 TS-4 TS-5

QUANTITY SHEETS (13)

SUMMARY OF QUANTITIES EQ-1 EQ-2 EQ-3 EQ-4 EQ-5 EQ-6 SRS-1 SRS-2

PLAN AND PROFILE SHEETS (7)

SR 7 3A 3B 3C 3D 3E 3F

SPECIAL DESIGN SHEETS (75)

RIGHT OF WAY COORDINATE SHEET INTERSECTION DETAIL- FRONTAGE ROAD AT OFFICE PARK & FRONTAGE ROAD AT LYLES DRIVE

SPECIAL DESIGN SHEETS (CONT.)

EROSION CONTROL DETAIL-DETAILS OF SILT FENCE INSTALLATION EROSION CONTROL DETAIL-DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS

PERMANENT SIGNS (1)

TRAFFIC SIGNALS (6)

TRAFFIC SIGNAL INSTALLATION - SR 7 AT LYLES DR. DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES

Table with columns: DATE, SHEET NO., BY. Includes revision history for PS & E PLANS.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAILED INDEX PROJ. NO.: SP-0019-02(054) MDA-0019-02(053) COUNTY : LAFAYETTE

ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION 12/14/2015 14:13:29 DI\_SH.DGN

1st O.REV.

DESCRIPTION OF SHEET

|       |                                     |
|-------|-------------------------------------|
| STATE | PROJECT NO.                         |
| MISS. | SP-0019-02(054)<br>MDA-0019-02(053) |

ROADWAY STANDARD DRAWINGS (32)

|  | WKG. NO. | SH. NO.     |
|--|----------|-------------|
| PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS                      | 12-01-99 | PM-1 6120   |
| PAVEMENT MARKING LEGEND DETAILS  |          | PM-6 6125   |
| EROSION CONTROL  |          | EC-1 6140   |
| GUARDRAIL: "W" BEAM (WOOD POSTS)   | 03-01-02 | GR-1 6180   |
| GUARDRAIL: THRIE BEAM (WOOD POSTS)   | 03-01-02 | GR-1A 6181  |
| GUARDRAIL: "W" BEAM (STEEL POSTS)  | 03-01-02 | GR-1B 6182  |
| GUARDRAIL: MODIFIED THRIE BEAM (STEEL POSTS)   | 03-01-02 | GR-1C 6183  |
| GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS            | 12-01-99 | GR-4 6194   |
| GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY       | 12-01-99 | GR-4A 6195  |
| GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT BRIDGE END DURING CONSTRUCTION PHASES | 03-01-02 | TGR-2 6200  |
| GUARDRAIL: MISCELLANEOUS HARDWARE  | 03-01-02 | GR-HW 6202  |
| STANDARD ROADSIDE SIGNS  |          | SN-3A 6223  |
| STANDARD ROADSIDE SIGNS  | 03-01-02 | SN-3B 6224  |
| STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION                                     |          | SN-4 6225   |
| STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION                                     |          | SN-4A 6226  |
| STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION                                     |          | SN-4B 6227  |
| BREAKAWAY SIGN SUPPORTS  |          | SN-6A 6230  |
| TYPICAL GUARDRAIL DELINEATION  | 03-01-02 | SN-8C 6236  |
| TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)              |          | TCP-1 6250  |
| TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS            |          | TCP-15 6264 |
| PIPE CULVERT INSTALLATION  |          | PI-1 6300   |
| JUNCTION BOX FOR PIPE CULVERTS   |          | JB-1 6302   |
| JUNCTION BOX TYPE 2 FOR TRAFFIC LOAD   |          | JB-2 6304   |
| TYPE II MEDIAN INLET (51" PIPE AND UNDER)  |          | MI-2 6309   |
| DETAILS OF GRATES FOR MEDIAN INLETS  |          | IG-1 6314   |
| DETAILS OF GRATES FOR GUTTER INLETS  |          | IG-2 6315   |
| GUTTER INLET FOR TYPE 2 CURB (OUTLET 90° TO ROADWAY)                                 |          | GI-1 6316   |
| GUTTER INLET FOR TYPE 2 CURB STORM SEWER ALONG ROADWAY                               |          | GI-1A 6317  |
| STORM SEWER STRUCTURE TYPE SS-2  |          | SS-2 6322   |
| DROP INLET AND GRATE DETAILS FOR PIPE AND BOX CULVERTS                               |          | B-9 6325    |
| FLARED END SECTION FOR CONCRETE PIPE   |          | FE-1 6328   |
| DETAILS OF NORMAL UNDERDRAIN AND STORM DRAIN USED AS UNDERDRAIN                      |          | UD-1 6331   |

CROSS SECTIONS (65)

|                   |           |
|-------------------|-----------|
| SR 7              | 9001-9020 |
| FRONTAGE ROAD     | 9021-9037 |
| OFFICE PARK DRIVE | 9038-9040 |
| LYLES DRIVE       | 9041-9047 |
| BARRON STREET     | 9048-9049 |
| DETOUR            | 9050-9064 |
| LYLES EXTENSION   | 9065      |

TOTAL SHEETS (208)

10/21/2015 11:46:04 DI\_SH.DGN

| MISSISSIPPI DEPARTMENT OF TRANSPORTATION |          |    |   |
|--|----------|----|---|
| DETAILED INDEX                           |          |    |   |
| EROSION CONTROL SHEET CHANGES            | TWB      | BY | PROJ. NO.: SP-0019-02(054)<br>MDA-0019-02(053)<br>COUNTY : LAFAYETTE<br>FILENAME: DI_SH.DGN<br>DESIGN TEAM GARVER CHECKED TWB DATE OCT 2015 |
| RENUMBERED XS SHEETS                     | TWB      |    |   |
| PROJECT SPLIT                            | TWB      |    |   |
| REVISION                                 | TWB      |    |   |
| DATE                                     | 07/22/14 |    | WORKING NUMBER  |
|  |          |    | DI-2  |
|  |          |    | SHEET NUMBER  |
|  |          |    | 3   |

GENERAL NOTES

1. THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
2. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
3. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
4. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
5. ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES ARE TO BE PLUGGED WITH PLASTIC INSERTS AND BITUMINOUS SEALER TO THE SATISFACTION OF THE ENGINEER. (NOT A SEPARATE PAY ITEM)
6. VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. 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 CAN NOT 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.
8. FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3.
9. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
10. 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.
11. ALL DIMENSIONS AND SPACINGS FOR BRIDGE RAIL CONNECTORS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.
12. ROADWAY SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
13. REMOVAL OF RAISED PAVEMENT MARKERS THAT ARE IN CONFLICT WITH REQUIRED CONSTRUCTION IS NOT CONSIDERED A SEPARATE PAY ITEM. COST TO BE ABSORBED IN OTHER ITEMS BID.
14. REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM, AND SHALL BE ABSORBED IN OTHER ITEMS BID.
15. 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 PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. ANY ADDITIONAL SILT BASINS NOT SHOWN IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL PLAN PRIOR TO SUBMITTING FOR APPROVAL.
16. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.
17. ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
18. ERECTION DATES ARE TO BE LEGIBLY WRITTEN ON THE BACK OF ALL SIGNS WITH A SANFORD MEANSTREAK WATERPROOF FORMULA PERMANENT MARKING STICK.
19. IF COLORS ARE USED ON PLAN/PROFILE SHEETS, THEY ARE INTENDED TO VISUALLY EASE THE LOCATION OF ELEMENTS FOR USERS OF THESE DRAWINGS. ALTHOUGH THE INTENT IS TO CATEGORIZE EVERYTHING AS EITHER EXISTING OR PROPOSED, IT IS THE END USERS RESPONSIBILITY TO ENSURE ALL ELEMENTS ARE INTERPRETED CORRECTLY REGARDLESS OF COLOR.
20. SEE BRIDGE PLANS FOR DETAILED INDEX SHEET(S), ESTIMATED AND SUMMARY OF QUANTITY SHEETS, AND EROSION CONTROL SHEETS.
21. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NO LONGER BE MAILED. ALL ADDENDA FOR THIS PROJECT WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT. PLEASE CONTACT CONTRACT ADMINISTRATION DIVISION AT 601-359-7700 FOR ANY QUESTIONS REGARDING ELECTRONIC ADDENDA.
22. THE CLEARING LIMITS ADJACENT TO THE STREAM(S) AT BURNEY AND BAILEY BRANCH CREEKS WILL BE LIMITED TO NO FURTHER THAN TEN (10) FEET OUTSIDE THE CONSTRUCTION LIMITS WHEN ANY CLOSER TO THE STREAM THAN FIFTY (50) FEET FROM THE TOP OF THE BANKS.
23. 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 EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING 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 STRUCTURES ADJACENT TO THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
24. BRIDGE DECKS SHALL BE GROOVED AND BRIDGE JOINTS TO BE SEALED BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
25. ANY REFERENCE TO PROJECT NUMBER STP-0019-02(049) IS TO BE UNDERSTOOD THAT SP-0019-02(054) AND MDA-0019-02(053) ARE THE CORRECT PROJECT NUMBERS.

7/22/2014 09:06:56 DI\_SH.DGN

|  |  |  |
|--|--|--|
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION<br><b>GENERAL NOTES</b>   |  | <br>WORKING NUMBER<br><b>GN-1</b><br>SHEET NUMBER<br><b>4</b> |
| PROJ. NO.: SP-0019-02(054) <br>MDA-0019-02(053) <br>COUNTY : LAFAYETTE |  |  |
| TWB BY<br>PROJECT SPLIT<br>REVISION<br>DATE  | FILENAME: DI_SH.DGN<br>DESIGN TEAM GARVER CHECKED TWB DATE 07/14 |  |