FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	NH-0008-03(051)	1

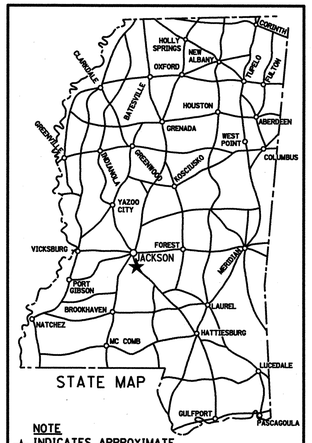
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. NH-0008-03(051)

US HWY. 49 FROM SIMPSON COUNTYLINE TO FLORENCE RANKIN COUNTY

FMS 105800 /301000 CONST



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

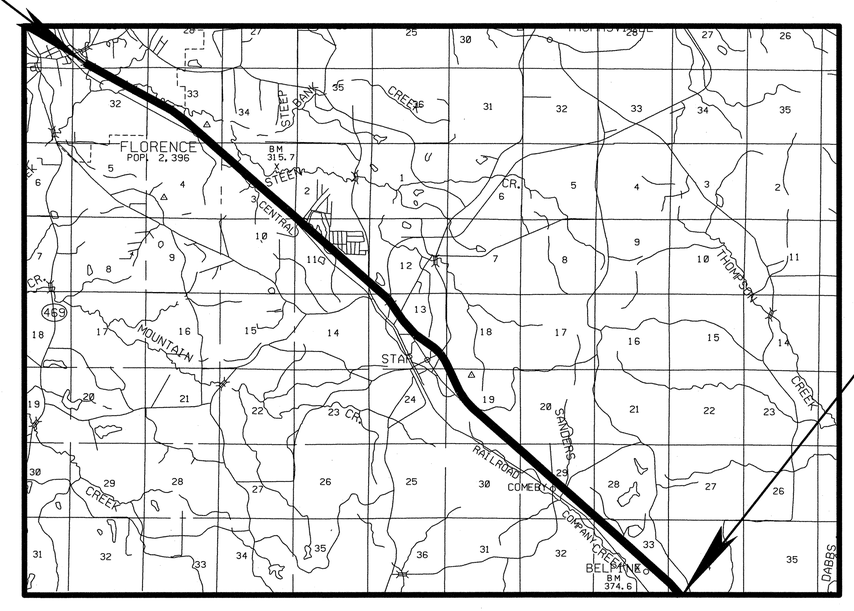
LAT. 32°5'46.5 LONG. 90°2'24.22
(APPROX. MIDDLE OF PROJECT)

E.O.P. STA. 545+00.000

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

CADD



B.O.P. STA. 1433+63.74 BK = STA. 9+07.63 AH.

DESIGN CONTROL

60 MPH = V (SPEED DESIGN)

ADT (2010) = 27000: ADT (2030) = 45000

DHV = 4500 : D = 60 % T= 18 %

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 Y

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA=5 ACRES+)(NTB 586)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 14)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: [signature] DATE: 2/16/10

CONVENTIONAL SYMBOLS

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

EQUATIONS

STA. 83+97.25 BK = STA. 84+00.00 AH (-2.75')
STA. 160+91.15 BK = STA. 160+91.90 AH (-0.75')
STA. 264+37.54 BK = STA. 264+06.32 AH (+31.22')
STA. 310+94.42 BK = STA. 311+18.74 AH (-24.32')
STA. 474+77.34 BK = STA. 474+82.80 AH (-5.46')

LENGTH DATA

LENGTH OF ROADWAY	53590.39 FT.	10.15 MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	53590.39	10.15 MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	53590.39	10.15 MI.

EXCEPTIONS

APPROVED: [signature] 2/16/10
CHIEF ENGINEER DATE

[signature] 2/16/10
EXECUTIVE DIRECTOR DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

DEPARTMENT OF TRANSPORTATION MISSISSIPPI

REVISIONS BY DATE

TITLE ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/31/2010 09:15:19 TITLE.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	NH-0008-03(051)

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DISTRICT 5

PS & E PLANS-DATE 02/16/2010

FMS CON. #105800/301000

REVISIONS

DATE	SHEET NO.	BY
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3/15/10	14	GM
3/25/10	4,11,12,14,15,16,17,37,99.15	GM

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL INDEX

PROJECT NO. NH-0008-03(051)

COUNTY : RANKIN

FILENAME: DI.DGN

DESIGN TEAM MANGUM CHECKED _____ DATE _____

WORKING NUMBER DI-1

SHEET NUMBER 2

PLAN MISSISSIPPI PAVEMENT DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MKODYY 08.00.00AM.DGNFILENAME

STATE	PROJECT NO.
MISS.	NH-0008-03(051)

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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/11/2010 07:20:58 DI.DGN

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL INDEX

PROJECT NO. NH-0008-03(051)
COUNTY : RANKIN

WORKING NUMBER DI-2

FILENAME: DI.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER 3

1 st O. REV.

GENERAL NOTES

STATE	PROJECT NO.
MISS.	

1. 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 SHOULD 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.

2. WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE (NOT A SEPARATE PAY ITEM).

3. TRAFFIC WILL NOT BE ALLOWED ON MILLED SURFACE AT ANYTIME

4. MILLING OPERATIONS SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

5. ASPHALT IS TO BE EXTENDED UNDER THE GUARDRAIL AND TWO (2) FEET BEHIND THE FACE OF THE GUARDRAIL WHICH IS PLACED AT BRIDGE ENDS OR AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. PRIOR TO PLACEMENT OF ASPHALT REMOVAL OF THE EXISTING SHOULDER MATERIAL SHALL BE PERFORMED AND COST ASSOCIATED WITH THIS REMOVAL SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS BID.

6. 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.

7. ALL TEMPORARY TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).

8. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM), EXCEPT WHERE SHOWN ON THE TRAFFIC CONTROL PLANS.

9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE 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.

10. WIRE BACKING WILL BE REQUIRED ON ALL SILT FENCES

11. REMOVAL OF RAISED PAVEMENT MARKERS & FLEXIBLE DELINEATOR POST IS NOT CONSIDERED A SEPARATE PAY ITEM.

12. THE CONTRACTOR SHALL ERECT AND MAINTAIN CONSTRUCTION SIGNING AND PROVIDE ALL SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY TO SAFELY MAINTAIN TRAFFIC AROUND AND THROUGH THE WORK AREAS IN ACCORDANCES WITH TRAFFIC CONTROL PLAN AND THE MUTCD. THE COST IS TO BE INCLUDED IN THE PRICE BID FOR PAY ITEM NO. 618-A, MAINTENANCE OF TRAFFIC

13. GUARD RAIL TO BE REMOVED SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER FOR PICKUP BY STATE FORCES.

14. THE SHOULDER LOCATION AT EACH SITE SHALL BE BLADED TO PROVIDE THE APPROPRIATE SLOPE BENEATH THE RAIL. THIS WORK IS INDEPENDENT OF THE AMOUNT OF WORK DONE AT THE SITE. THE COST OF BLADING WILL BE AN ABSORBED ITEM AND SHOULD BE INCLUDED IN THE PRICE FOR OTHER ITEMS BID.

15. ALL GUARD RAIL REMOVED SHALL BE REPLACED ON THE SAME DAY AND PRIOR TO THE REOPENING OF THE LANE TO TRAFFIC.

16. LANE CLOSURES SHALL CONFORM AS DEFINED IN THE APPLICABLE NOTICE TO BIDDERS.

17. LOW SHOULDERS WILL BE BROUGHTTO GRADE WITH CLASS 5, GROUP C GRANULAR MATERIAL AS DIRECTED. EXISTING LOW SHOULDERS WILL BE BROUGHT TO GRADE AS NECESSARY TO MAINTAIN A MAXIMUM PAVEMENT TO SHOULDER DIFERENTIAL OF TWO (2) INCHES. THE MATERIAL SHALL BE BLADED,ROLLED AND COMPACTED TO A FINISHED SLOPE MEETING THE REQUIREMENTS OF THE DRAWINGS IN PLANS. SHOULDERS WITH ADEQUATE SHOULDER MATERIAL IN PLACE SHALL BE BLADED TO A SLOPE MEETING THE REQUIREMENTS OF THE DRAWINGS IN PLANS.THE BLADED MATERIAL SHALL BE NEATLY BLENDED WITH THE EXISTING SLOPE OR REMOVED. NO SEPARATE MEASUREMENT FOR BLADING OR REMOVING THE SHOULDER MATERIAL WILL BE MADE,THE COST IS TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS WORK.

18. THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS. ALL FRONTAGE ROADS, LOCAL ROADS, RAMPS AND LOOPS ETC WILL BE PAVED TO THE END OF STATE MAINTENANCE OR AS DIRECTED.

19. EXISTING OR TEMPORARY PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE PLUGGED ON EACH END WITH CONCRETE.(ABSORBED ITEM)

20. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TRIES OR OTHER SUITABLE MATERIAL.

21. 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.

22. GRASSING WILL BE REQUIRED AT ALL DISTRUBED AREAS AS DIRECTED AND SHALL COMMENCED PRIOR TO CLEARING IN OTHER LOCATIONS

23. NO BURNING WILL BE ALLOWED WITHIN THE R.O.W.

24. ANY MATERIAL EXCAVATED FROM THE EXISTING SHOULDER SHALL BE USED TO RAISE THE EXISTING SHOULDER TO MATCH THE NEW PAVEMENT ELEVATION AND ANY SURPLUS MATERIAL SHALL BE SPREAD ALONG THE EDGE OF THE SHOULDERS FORESLOPES OR OTHER ADJACENT AREAS AS DIRECTED BY THE ENGINEER AND WILL BE AN ABSORBED ITEM.

25. EXISTING INLETS AND BOX CULVERT, PAVED DITCHES PAVED FLUMES CURB CUT DRAINAGE DITCHES SHALL BE CLEANED OF DEBRIS PRIOR TO THE PAVING OPERATION TO ALLOW ADEQUATE DRAINAGE. NO SEPARATE PAYMENT WILL BE MADE FOR CLEANING OR DISPOSAL OF THE EXCAVATED MATERIAL.

26. POTHOLES THAT MAY EXIST OR OCCUR IN THE EXISTING PAVEMENT ARE TO BE PATCHED IN A TIMELY MANNER AND PRIOR TO THE BEGINNING THE ASPHALT OVERLAY. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS BIDS.

27. ON ALL OVERLAY CONSTRUCTION PROJECTS THE SPEED LIMIT SIGNS SHALL BE 10 MPH LESS THAN THE ORIGINAL POSTED SPEED LIMITS (SEE WORKING NUMBER SDTCP-3 AND 4 FOR DETAILS)

28. ALL DITCH PLUGS AND AUTHORIZED CROSSOVERS WILL BE BROUGHT TO CURRENT SAFETY STANDARDS. THE SLOPE WILL BE FLATTENED TO A 10:1 SLOPE WHICH MAY REQUIRE EXTENDING SOME MEDIAN PIPES AND REMOVAL AND PLACEMENT OF SOME PAVED DITCH, APRONS AND INLETS. PAVEMENT WILL BE MADE USING THE APPROPRIATE PAY ITEMS.

△1 29. HALF OF THIS QUANTITY UP TO 10000 TONS MAXIMUM TO REMAIN PROPERTY OF THE STATE (TO BE DELIVERED AT WHITFIELD MAINTENANCE OFFICE)

△1

DATE	REVISION	BY
3/25/10	ADD NOTE	GM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO: NH-0008-03(051)
COUNTY: RANKIN

WORKING NUMBER GN-1

SHEET NUMBER 4

FILENAME: GN.DGN
DESIGN TEAM_____ CHECKED_____ DATE_____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/25/2010 12:43:48 GN.DGN