FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0349-00(026)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

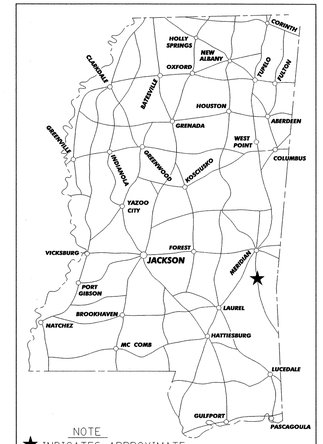
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0349-00(026)

S.R. 512 AT
CHICKASAWHAY RIVER
CLARKE COUNTY

FMS CONSTR. 100778 /301000

SCALES

PLAN		1 IN. =	100 FT.
PROFILE	HOR.	1 IN. =	100 FT.
	VERT.	1 IN. =	10 FT.
LAYOUT		1 IN. =	1,000 FT.



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

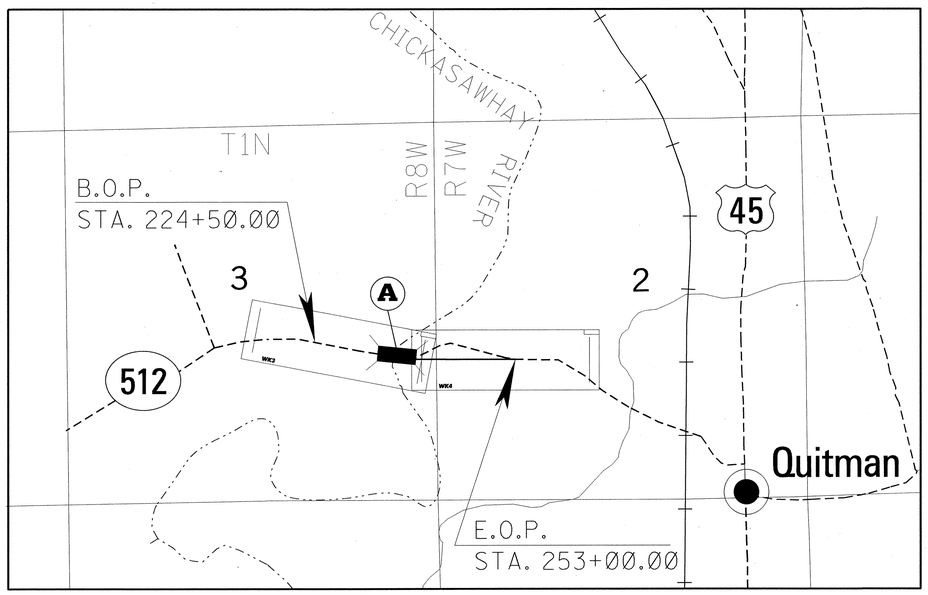
LAT. 32°02'31.81 N LONG. 88°44'39.49 W
(APPROX. MIDDLE OF PROJECT)

BRIDGE STRUCTURES REQ'D.

(A) STA. 229+58.875
BRIDGE #17.6 (CHICKASAWHAY RIVER)
3@80', 1@80', 1@100', 1@80', 3@80'
LENGTH ALONG C.L. = 742.25 FT.

BOX BRIDGE'S REQ'D.

NONE



DESIGN CONTROL
60 MPH = V (SPEED DESIGN)
ADT (2011) = 3,600 : ADT (2,031) = 4,400
DHV = 480 : D = 50 % T= 7 %

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: JCT	DATE: 8/02/11	

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	2107.75	FT.	0.400	MI.
LENGTH OF BRIDGES	742.25	FT.	.140	MI.
LENGTH OF PROJECT (NET)			0.540	MI.
LENGTH OF EXCEPTIONS	0	FT.	0	MI.
LENGTH OF PROJECT (GROSS)	2850.00	FT.	0.540	MI.

96

APPROVED:
CHIEF ENGINEER DATE 10/14/11
EXECUTIVE DIRECTOR DATE 10/14/11
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

REVISIONS BY DATE

STATE	PROJECT NO.
MISS.	BR-0349-00(026)

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DETAILED INDEX - ROADWAY	DI-2	3
DETAILED INDEX - BRIDGE	DI-3	4
GENERAL NOTES	GN-1	5
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TYPICAL SECTION - BOAT RAMP ROAD & WESTWOOD AVE.	TS-2	7
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ESTIMATED QUANTITIES - PAVEMENT MARKING DETAILS, GUARDRAIL & BRIDGE END PAVEMENT AND REMOVAL ITEMS	EQ-2	12
ESTIMATED QUANTITIES - CONSTRUCTION SIGNING	EQ-3	13
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS REQUIRED	SRS-1	14
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS REQUIRED	SRS-2	15
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SR 512 MAINLINE - STA. 239+00 TO E.O.P.	WK-4	21
WESTWOOD AVENUE	WK-4A	22
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PS & E PLANS-DATE: 9/27/2011		
FMS CON.: 100778 / 301000		
REVISIONS		
DATE	SHEET NO.	BY
11/17/11	2, 3, 8, 64, 65, 66,	KJC
	67, 68, 69, 70, 71, 72	
12/12/11	10, 17	KJC

1 KJC BY
REVISED NUMBER OF SHEETS REVISION
11-17-11 DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL INDEX

SR 512 AT CHICKASAWHAY RIVER

PROJ NO: BR-0349-00(026)
COUNTY: CLARKE
FILENAME: DI-1.dgn
DESIGN TEAM BAKER CHECKED KJC DATE 2011

WORKING NUMBER DI-1
SHEET NUMBER 2

96

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

12/14/2011 2:28 PM 002 - DETAILED INDEX1.DGN

STATE	PROJECT NO.
MISS.	BR-0349-00(026)

1 st O. REV. DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
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1 SR 512 ACROSS CHICKASAWHAY RIVER - BRIDGE FOUNDATION PLAN SHEET 1	ECP-A5	71	
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GUARDRAIL: "W" BEAM (STEEL POSTS)	03-01-02	GR-1B	182
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TOTAL SHEETS - SR 512 BRIDGE REPLACEMENT =			127 1

DATE	REVISION	BY
11/7/11	ADDED EROSION CONTROL SHEETS & REVISED NUMBER OF SHEETS	KJC 1

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL INDEX

SR 512 AT

CHICKASAWHAY RIVER

PROJ NO: BR-0349-00(026)

COUNTY: CLARKE

FILENAME: DI-1.dgn

DESIGN TEAM BAKER CHECKED KJC DATE 2011

WORKING NUMBER DI-2

SHEET NUMBER 3

PLAN
ROADWAY PLANS DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

11/10/2011 9:12 AM 003 - DETAILED INDEX2.DGN

STATE	PROJECT NO.
MISS.	BR-0349-00(026)

1 st O. REV. DESCRIPTION OF SHEET (BRIDGE DRAWINGS)	WKG. NO.	SH. NO.
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BRIDGE DIVISION		
DATE	SHEET NO.	BY
12/12/11	467, 468, 501	MFC

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL INDEX

SR 512 AT

CHICKASAWHAY RIVER

(BRIDGE)

PROJ NO: BR-0349-00(026)

COUNTY: CLARKE

WORKING NUMBER DI-3

SHEET NUMBER 4

DATE

FILENAME: BR-DI.dgn

DESIGN TEAM BAKER CHECKED KJC DATE 2011

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

12/14/2011 2:50 PM 004 - BR INDEX.DGN

STATE	PROJECT NO.
MISS.	BR-0349-00(026)

GENERAL NOTES

1. FOR LIST OF PUBLIC UTILITIES, SEE WORKING SHEET 3 (WK-3).

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. A SOIL PROFILE PREPARED FOR THIS PROJECT ON SAMPLES TAKEN FROM HOLES AT LOCATIONS INDICATED IN THE TEST REPORTS IS ON FILE IN THE DISTRICT & CENTRAL CONSTRUCTION OFFICES AND IS AVAILABLE FOR EXAMINATION. THE DEPARTMENT DOES NOT GUARANTEE THAT THE MATERIALS AS SHOWN IN THE REPORTS ARE NECESSARILY TO BE FOUND OUTSIDE THE TEST HOLES.

4. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN PURPOSES ONLY.

5. EXISTING UNDERGROUND UTILITIES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. 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.

6. 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 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 INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

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

8. VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

9. THE CONTRACTOR IS RESPONSIBLE FOR THE FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.

10. 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 (IF ANY) AND 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 STRUCTURES.

11. SOME WORK MAY BE 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.

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

13. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.

14. TEMPORARY PAVEMENT MARKINGS SHALL CONFORM TO FINISHED PAVEMENT MARKING SPECIFICATIONS FOR ALIGNMENT AND STRAIGHTNESS.

15. REMOVAL OF RAISED PAVEMENT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.

16. PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY AND VERTICALLY PLATED WITH THE STOCKPILED TOPSOIL. THE COST OF STOCKPILING, PLATING AND SPREADING OF TOPSOIL SHALL BE INCLUDED IN 211-A001 TOPSOIL FOR SLOPE TREATMENT FROM R.O.W.

17. ALL PIPE JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC (24" WIDTH). ALL PICKUP HOLES ARE TO BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC TO THE SATISFACTION OF THE ENGINEER (NOT A SEPARATE PAY ITEM).

18. TOE WALLS ARE REQUIRED AT ALL UPSTREAM AND DOWNSTREAM FLARED END SECTIONS.

19. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHOULD COMPLY WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

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

21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT THE PRE-CONSTRUCTION CONFERENCE OR PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THIS PLAN DURING CONSTRUCTION.

22. WIRE BACKING WILL BE REQUIRED ON ALL SILT FENCES.

23. THE CLEARING LIMITS ADJACENT TO THE STREAM AT STATION 233+00 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.

24. 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.(ABSORBED ITEM)

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

26. THE FOLLOWING ITEMS ARE REQUIRED AT THE STREAM AT STATION 233+00 TO LESSON THE HIGHWAY CONSTRUCTION IMPACTS TO THE STREAM. THE CONTRACTOR SHALL USE ALL PRACTICAL STANDARD PROCEDURES AND MEASURES, INCLUDING BEST MANAGEMENT PRACTICES, TO AVOID OR MINIMIZE IMPACTS.
    (A) SILT BASIN TYPE "D"
    (B) BRUSH BARRIER AND TEMPORARY SILT FENCE

27. REMOVAL OF OBJECT MARKERS IS NOT A SEPARATE PAY ITEM.

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SR 512 AT

CHICKASAWHAY RIVER

BRIDGE REPLACEMENT

PROJ NO: BR-0349-00(026)

COUNTY: CLARKE

FILENAME: GeneralNotes.DGN

DESIGN TEAM BAKER CHECKED KJC DATE 2011

WORKING NUMBER GN-1

SHEET NUMBER 5

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2-27-2011 7:05 AM 005 - GENERAL NOTES.DGN