STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	NH–0010–01(136)	1

GENERAL INDEX

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☒	PERMANENT SIGNS	1001
☐	TRAFFIC SIGNALS	2001
☐	ITS COMPONENTS	3001
☐	LIGHTING	4001
☐	(RESERVED)	5001
☒	ROADWAY STANDARD DWGS	6001
☐	BRIDGE STANDARD DWGS	7001
☒	BRIDGE	8001
☒	CROSS SECTIONS	9001

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

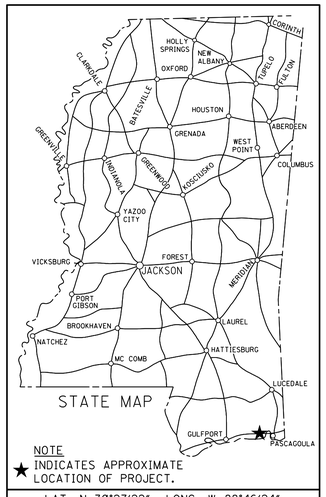
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. NH–0010–01(136)

I–10
FROM SR 609 TO SR 57
WIDEN 4 LANE TO 6 LANE
JACKSON COUNTY

FMS CONST. 101204 303000

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2640 FT.



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. N 30°27'22" LONG. W 88°46'24"
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL

70 MPH = V (SPEED DESIGN)

ADT (2015) = 57000: ADT (2035) = 85000
DHV = 8500 : D = 60 % T = 23 %

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 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:_____ DATE: _____

BRIDGE STRUCTURES REQ'D.

LT. LANE – STA. 384 + 88.33 TO STA. 387 + 47.99
RT. LANE – STA. 382 + 68.95 TO STA. 385 + 27.79

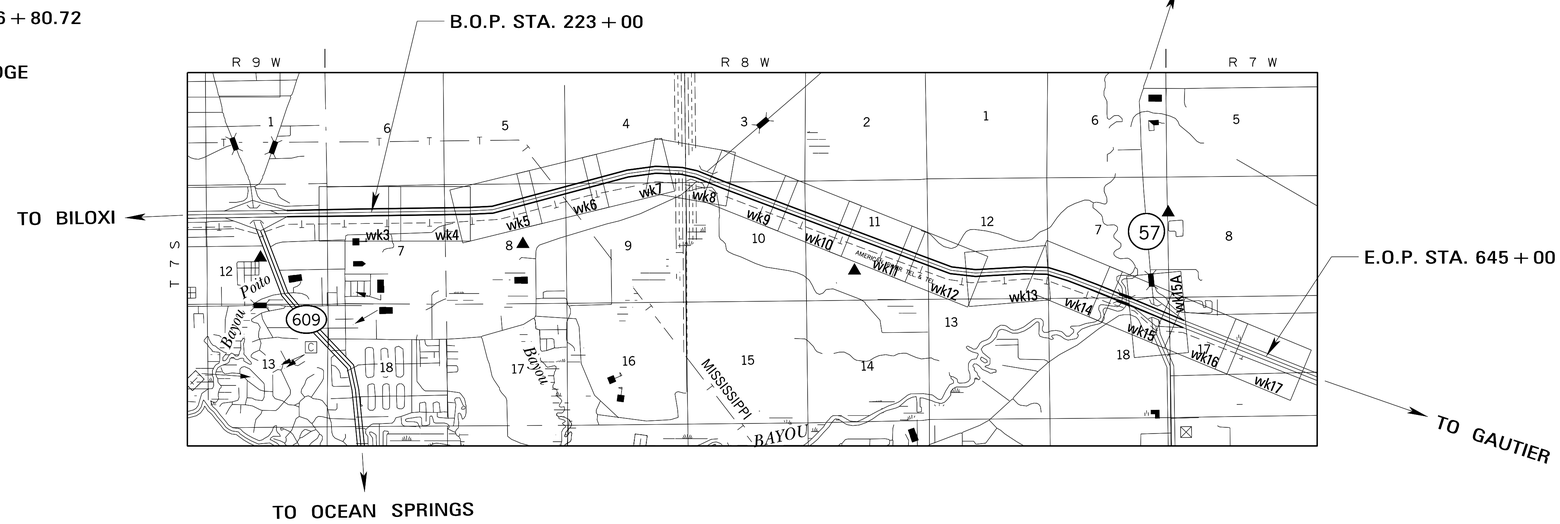
LT. LANE – STA. 578 + 28.55 TO STA. 581 + 47.97
RT. LANE – STA. 578 + 86.30 TO STA. 582 + 05.65

LT. LANE – STA. 592 + 73.30 TO STA. 596 + 00.90
RT. LANE – STA. 593 + 53.05 TO STA. 596 + 80.72

ADDITIONAL INSIDE LANE ON EACH BRIDGE

BOX BRIDGES REQ'D.

NONE



GPS CONTROL NOTES

HORIZONTAL DATUM: NAD 83/2007 MS EAST ZONE (US SURVEY FEET)

HORIZONTAL MONUMENT	NORTH	EAST
15 V 15	405,605.85	956,241.52
VAN RM 1	396,263.06	1,019,372.58
K 364	328,374.03	1,020,427.78

VERTICAL DATUM: NAVD 88 (US SURVEY FEET)

VERTICAL MONUMENT	ELEVATION
15 V 15	69.01

GPS DERIVED

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	0.999950335
GRID TO GEODETIC AZIMUTH	+00° 01'39"

EQUATIONS

LT. LANE	– STA. 353 + 49.766	BK. =	STA. 353 + 47.903	AH. =	+1.863
RT. LANE	– STA. 354 + 41.361	BK. =	STA. 354 + 38.000	AH. =	+3.361
LT. LANE	– STA. 389 + 00.746	BK. =	STA. 388 + 38.887	AH. =	+61.866
RT. LANE	– STA. 389 + 91.616	BK. =	STA. 390 + 59.043	AH. =	–67.427
CENTERLINE	– STA. 557 + 43.658	BK. =	STA. 557 + 45.147	AH. =	–1.489
LT. LANE	– STA. 590 + 88.640	BK. =	STA. 590 + 81.348	AH. =	+7.292
RT. LANE	– STA. 590 + 88.980	BK. =	STA. 590 + 81.534	AH. =	+7.446
					+12.912

LENGTH DATA

(CALCULATED FROM RIGHT LANE)

LENGTH OF ROADWAY	41307.05	FT.	7.8233	MI.
LENGTH OF BRIDGES	905.86	FT.	0.1716	MI.
LENGTH OF PROJECT (NET)			7.9949	MI.
LENGTH OF EXCEPTIONS	∅	FT.	∅	MI.
LENGTH OF PROJECT (GROSS)			7.9949	MI.

EXCEPTIONS

NONE

P S & E DATE: 09–14–2015

APPROVED:

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR

REVISIONS | DATE | BY

MDOT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TITLE: ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/14/2015 16:07:57 TITLE.DGN

FMS CON:101204/303000

STATE	PROJECT NO.
MISS.	NH-0010-01(136)

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MAIN FACILITY - STA. 540+00 TO STA. 570+00	WK14LT	48
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A. GARNER RUSSELL & ASSOCIATES

PS & E PLANS-DATE 9-14-15		
FMS CON. # 101204 303000		
REVISIONS		
DATE	SHEET NO.	BY

REVISION BY DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT: NH-0010-01(136)

COUNTY: JACKSON

FILENAME: DINDEX.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER DI-1

SHEET NUMBER 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/11/2015 13:26:15 DINDEX.DGN

STATE	PROJECT NO.
MISS.	NH-0010-01(136)

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TOTAL SHEETS (253)

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/14/2015 10:22:47 DINDEX.DGN

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT: NH-0010-01(136)
COUNTY: JACKSON

WORKING NUMBER DI-2

FILENAME: DINDEX.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

SHEET NUMBER 3

STATE	PROJECT NO.
MISS.	NH-0010-01(136)

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 SIZES OF FLARED END SECTION MAY BE FURNISED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE JOINTS.

3. 50% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.

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

5. 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 THE UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.

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

7. 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.

8. EXISTING UNDERGROUND UTILITY LINES 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.

9. FOR LIST OF PUBLIC UTILITIES, SEE WORKING NO. 3LT.

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. 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.

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

13. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. 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 PRECONSTRUCTION OR CONFERENCE PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.

14. WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)

15. A TYPE "A" MEDIAN SILT BASIN WILL BE REQUIRED UPSTREAM OF EACH MEDIAN INLET (SEE WK. NO. TEC-2 FOR DETAILS)

16. ALL EXISTING SIGNS WHICH MAY CONFLICT WITH REQUIRED SIGNING FOR CLOSED AND/OR RELOCATED RAMPS DURING CONSTRUCTION PHASES SHALL BE COVERED.

17. FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINT. (SEE ICJ-1 FOR DETAILS)

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

19. 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).

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

21. ALL BOX CULVERT JOINTS ARE TO BE WRAPPED IN TYPE V GEOTEXTILE FABRIC 6' WIDTH. (NOT A SEPARATE PAY ITEM).

22. REMOVAL OF EXISTING DELINEATORS WILL NOT BE MEASURED FOR SEPARATE PAYMENT.

23. REMOVAL OF MILE MARKERS OR OBJECT MARKERS WILL NOT BE MEASURED FOR SEPARATE PAYMENT.

24. 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.

25. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH THE MUTCD (LATEST EDITION).

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

27. A SOIL PROFILE HAS BEEN PREPARED FOR THIS PROJECT USING SAMPLES TAKEN FROM HOLES AT THE LOCATIONS INDICATED IN THE TEST REPORTS. THIS SOIL PROFILE IS ON FILE IN THE DISTRICT AND 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.

28. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE FROM OCCURING AND TO PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, AND PUBLIC THAT MAY BE ABOVE THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIAL AND LABOR, FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

29. CLEARING IN WETLANDS AREA UNDERNEATH BRIDGES IS PROHIBITED, EXCEPT WHERE NECESSARY FOR BRIDGE CONSTRUCTION. THIS CLEARING MUST BE DONE WITH SAWS. DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB NATURAL GROUND SURFACE ARE NOT ALLOWED.

30. CLEARING IN WETLANDS IS LIMITED TO TEN (10) FEET BEYOND CONSTRUCTION LIMITS EXCEPT UNDER BRIDGES AND IN SIGHT FLARES. CLEARING UNDER BRIDGES (IN WETLANDS) IS LIMITED TO WITHIN TWENTY-FIVE (25) FEET ON ONE SIDE OF THE CENTERLINE AND FIFTY (50) FEET ON THE OTHER SIDE OF THE CENTERLINE. WITHIN THIS SEVENTY-FIVE (75) FOOT WIDE AREA, THE CONTRACTOR SHALL BE PERMITTED TO CONSTRUCT A TEMPORARY HAUL ROAD. UPON COMPLETION OF THE BRIDGE, THIS ROAD SHALL BE REMOVED BY THE CONTRACTOR TO NATURAL GROUND ELEVATION. ALL COSTS ASSOCIATED WITH THE HAUL ROAD ARE TO BE INCLUDED IN OTHER BID ITEMS. ADDITIONAL CLEARING IN THE VICINITY OF THE BRIDGE, OUTSIDE THE SEVENTY-FIVE (75) FOOT WIDE AREA, IS TO BE DONE WITH SAWS ONLY (NO DOZERS OR OTHER MECHANIZED CLEARING WHICH WILL DISTURB THE NATURAL GROUND SURFACE).

31. SMALL AMOUNTS OF EXCAVATION MAY BE NECESSARY AT SOME OF THE SITES. THIS MATERIAL MAY BE USED AS E.S.F.E. MATERIAL AND WILL BE PAID FOR BORROW. NO E.S.F.E. MATERIAL SHALL BE REMOVED FROM THE PROJECT WITHOUT THE APPROVAL OF THE ENGINEER.

32. VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.

33. ALL ADDENDA TO THESE PLANS WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.

34. 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 USER'S RESPONSIBILITY TO ENSURE ALL ELEMENTS ARE INTERPRETED CORRECTLY REGARDLESS OF COLOR.

35. 10:1 LONGITUDINAL SLOPES ARE REQUIRED AT ANY INLETS AND DITCH PLUGS.

36. THE CLEARING OF EXISTING TREES MAY BE REQUIRED TO ALLOW FOR THE PROPER SIGHT DISTANCE NEEDED FOR THE NEW PERMANENT SIGNING.

37. ANY I-10 EMERGENCY CROSSOVER LAYOUTS, SLOPES, PAVEMENT, ETC. WILL MEET THE CURRENT MDOT STANDARDS.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT: NH-0010-01(136)
COUNTY: JACKSON

FILENAME: gn.dgn
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER GN-1

SHEET NUMBER 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/14/2015 09:18:35 GN.DGN