GENERAL INDEX

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

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	HSIP-0428-00(025)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. HSIP-0428-00(025)

SR 43 FM CROSSROADS TO
I-20 (REALIGN - 3R)
RANKIN COUNTY

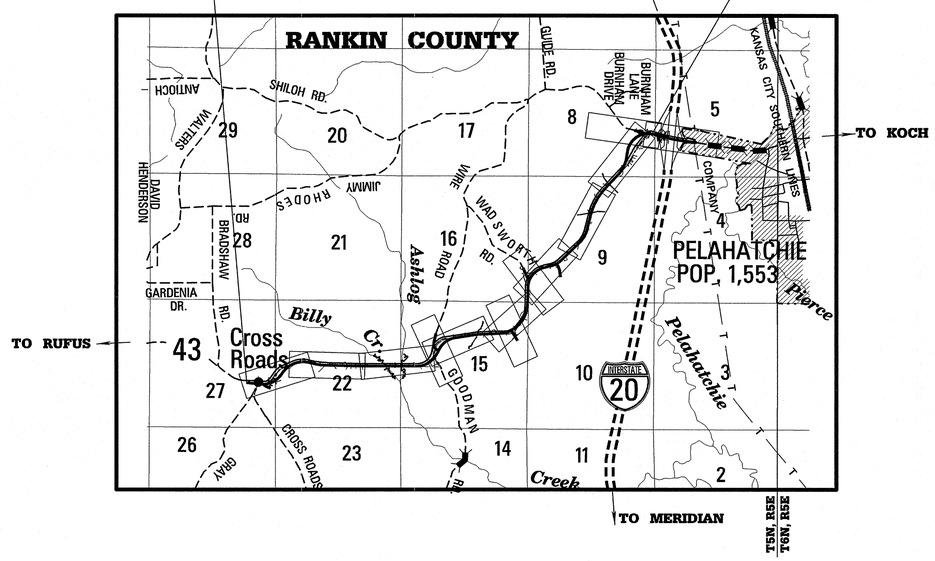
100588/301000

SCALES

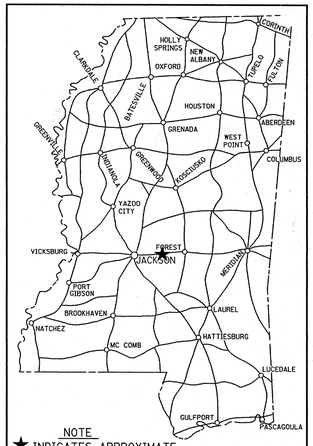
PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 3000 FT.

B.O.P. STA. 111 + 00.00

E.O.P. STA. 343 + 50.00



FMS CONST# 100588 /301000



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT.32 DEG. 15 MIN. N., LONG. 89 DEG. 46 MIN. W.
(APPROX. MIDDLE OF PROJECT)

CADD

DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2008) = 2800 : ADT (2028) = 4000

DHV = 440 : D = 60 % T = 13 %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS
(NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	Y	N
NATIONWIDE (OTHER)*	N	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 +)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: JOK DATE: 6/15/12

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. 167+26.528 BK = STA. 167+73.834 AH (-47.306)
STA. 211+31.475 BK = STA. 212+00.001 AH (-68.526)
STA. 246+16.299 BK = STA. 246+75.624 AH (-59.325)
STA. 270+77.610 BK = STA. 271+36.959 AH (-59.349)
STA. 341+65.195 BK = STA. 339+54.675 AH (+210.520)

EXCEPTIONS

NONE

LENGTH DATA

LENGTH OF ROADWAY	23,226.014	FT.	4.399	MI.
LENGTH OF BRIDGES	0.0	FT.	0.0	MI.
LENGTH OF PROJECT (NET)	23,226.014	FT.	4.399	MI.
LENGTH OF EXCEPTIONS	0.0	FT.	0.0	MI.
LENGTH OF PROJECT (GROSS)	23,226.014	FT.	4.399	MI.

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE 6/15/12
EXECUTIVE DIRECTOR — DATE 6/18/12
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

TITLE
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM

STATE	PROJECT NO.
MISS.	HSIP-0428-00(025)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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DETAILED INDEX	DI-2	3
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TYPICAL SECTION S.R. 43 NEW CONSTRUCTION	TS-2	6
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TYPICAL SECTION HIGH VOLUME CHANGE SOILS OLD WIRE RD.	TS-4	8
TYPICAL SECTION OVERLAY AND WIDENING (WIRE/GOODMAN RD., OLD WIRE RD., WADSWORTH RD., SHILOH RD., & DETOUR RD.)	TS-5	9
TYPICAL SECTION NEW CONSTRUCTION (WIRE/GOODMAN RD.,OLD WIRE RD.,WADSWORTH RD., & SHILOH RD.	TS-6	10
TYPICAL SECTION REMOVAL OF EXISTING ROADS	TS-7	11
TYPICAL SECTION REMOVAL OF DETOUR ROADS	TS-8	12
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TYPICAL DETAILS FOR DRAINAGE STATION	TS-11	15
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SUMMARY OF QUANTITIES (ROADWAY)	SQ-2	17
SUMMARY OF QUANTITIES (ROADWAY)	SQ-3	18
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SUMMARY OF REMOVAL ITEMS	SRI-1	20
SUMMARY OF REMOVAL ITEMS	SRI-2	21
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STA. 1+00 TO STA. 30+00 (DETOUR 6)	4	33
STA. 30+00 TO STA. 46+25.62 (DETOUR 6)	4A	34
STA. 130+00 TO STA. 160+00	4B	35
STA. 160+00 TO STA. 191+00	5	36
STA. 0+00 TO STA. 17+00 (DETOUR 1)	5A	37
STA. 191+00 TO STA. 222+00	6	38
LOCAL ROAD @ 198+44.46 STA. 29+53.59 TO STA. 53+72.05	6A	39
STA. 0+00.00 TO STA. 2+65.53 (DETOUR 5)	6B	40
STA. 222+00 TO STA, 252+00	7	41
LOCAL ROAD @ 231+67.79 STA. 50+00 TO STA. 55+11.86	7A	42
STA. 252+00 TO STA. 280+00	8	43
LOCAL ROAD @ 256+35.53 STA. 59+40.77 TO STA. 69+93.73	8A	44
STA. 280+00 TO STA. 310+00	9	45
STA. 0+00 TO STA. 17+00 (DETOUR 2)	9A	46
STA. 2+500 TO STA. 3+300	10	47
LOCAL ROAD @ 332+79.80 STA. 80+00.00 TO STA. 93+70.00	10A	48
STA. 340+00 TO STA. 342+00	11	49
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INTERSECTION DETAIL @ STA. 198+44.46	ID-1	50
INTERSECTION DETAIL @ STA. 231+67.79	ID-2	51
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MDOT'S PRELIMINARY EROSION CONTROL PLANS	ECP9	80
MDOT'S PRELIMINARY EROSION CONTROL PLANS	ECP9A	81
MDOT'S PRELIMINARY EROSION CONTROL PLANS	ECP10	82
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VOLKERT

PS & E PLANS-DATE: 06-18-12		
FMS CON. # 100588/301000		
REVISIONS		
DATE	SHEET NO.	BY
9-10-12	2,3,5,10,13,16,18,27	
	,105 & 152	DS
1-08-13	16	DS
1-22-13	17	DS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. HSIP-0428-00(025)

COUNTY: RANKIN

WORKING NUMBER DI-1

SHEET NUMBER 2

FILENAME: detail-new.dgn

DESIGN TEAM VOLKERT CHECKED DATE

REVISION | BY | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/22/2013

1st O.REV.

STATE	PROJECT NO.
MISS.	HSIP-0428-00(025)

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PERMANENT PAVEMENT MARKING PLANS	PMP-9	120
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TRAFFIC CONTROL (PHASE 1)	TCPH1-8	135
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PERMANENT SIGNING PLANS	PSP-3	1003
PERMANENT SIGNING PLANS	PSP-4	1004
PERMANENT SIGNING PLANS	PSP-5	1005
PERMANENT SIGNING PLANS	PSP-6	1006
PERMANENT SIGNING PLANS	PSP-7	1007
PERMANENT SIGNING PLANS	PSP-8	1008
PERMANENT SIGNING PLANS	PSP-9	1009
PERMANENT SIGNING PLANS	PSP-10	1010
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TOTAL SHEETS 268 1

DATE	REVISION	BY
9-10-12	ADDED SHEET 152	DS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. HSIP-0428-00(025)

COUNTY: RANKIN

FILENAME: detail-new.dgn

DESIGN TEAM VOLKERT CHECKED DATE

WORKING NUMBER DI-2

SHEET NUMBER 3

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

9/10/2012

STATE	PROJECT NO.
MISS.	HSIP-0428-00(025)

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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED IN UNDERCUT AREAS 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 OF REPAIR OF DAMAGED STRUCTURES.

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 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.

4. 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 GET UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.

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

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

7. FOR A LIST OF PUBLIC UTILITIES, SEE WORK SHEET 3.

8. 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.

9. ANY HVC (HIGH VOLUME CHANGE) SOILS (VC > 60%) ENCOUNTERED IN THE DESIGN SOIL PRISM (TOP 3' BELOW SUBGRADE ELEVATION) OF CUT SECTIONS SHALL BE REMOVED AS EXCESS EXCAVATION AND REPLACED WITH CLASS B-15 BORROW EXCAVATION. BORROW EXCAVATION REQUIRED FOR EMBANKMENT CONSTRUCTION SHALL ALSO BE CLASS B-15 BORROW EXCAVATION. A FINAL SOIL PROFILE SHALL BE PERFORMED BY THE DISTRICT MATERIALS LAB UPON COMPLETION TO SUBGRADE ELEVATION. ANY HVC SOILS PRESENT IN THE DESIGN SOIL PRISM SHALL BE REMOVED AS EXCESS EXCAVATION AND REPLACED WITH CLASS B-15 BORROW EXCAVATION.

10. ALL EXISTING PIPES LESS THAN 8 INCHES THAT CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE AS AN ABSORBED ITEM. EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE SHALL BE PLUGGED ON EACH END WITH CONCRETE. (ABSORBED ITEM)

11. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECTS IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

12. ALL ITEMS THAT CONFLICT WITH THE REQUIRED CONSTRUCTION, FOR WHICH NO PAY ITEM IS SHOWN, SHALL BE REMOVED AS CLEARING AND GRUBBING (ABSORBED ITEM).

13. THE REMOVAL OF HEADWALLS AND FLARED END SECTIONS SHALL BE ABSORBED IN THE PAY ITEM FOR REMOVAL OF PIPES (ALL SIZES).

14. ALL SIDE ROADS SHALL BE CLEARED AND GRUBBED AND GRASSED. PAYMENT WILL BE MADE UNDER THE APPROPRIATE PAY ITEMS.

15. 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 INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

16. 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.

17. ALL REMOVAL AND RESETTING OF SIGNS, MAILBOXES, & BARRICADES SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.

18. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO FABRICATION.

19. BLOTTER MATERIAL WILL BE REQUIRED ON CHEMICAL TREATED SUBGRADE & BASE WHERE EXPOSED TO TRAFFIC AS DIRECTED BY THE ENGINEER. (ABSORBED ITEM)

20. WIRE FENCE WILL BE REQUIRED FOR ALL SILT FENCE.

21. PRIOR TO POURING PAVED ISLANDS, THE TRAFFIC ENGINEERING DIVISION SHALL BE NOTIFIED SO THAT SIGNS REQUIRED IN ISLANDS CAN BE LOCATED.

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

23. 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).

24. THE COST OF ANY COLLARS REQUIRED TO CONNECT CONCRETE FLARED END SECTIONS TO NON- CONCRETE PIPE SECTIONS SHALL BE ABSORBED IN THE COST FOR NON-CONCRETE PIPE.

25. 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.

26. 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.

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

28. WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OF STANDING WATER ON THE MILLED SURFACE. (ABSORBED ITEM)

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJECT NO. HSIP-0428-00(025)
COUNTY: RANKIN

FILENAME: GN.DGN
DESIGN TEAM VOLKERT CHECKED DATE

WORKING NUMBER
GN-1

SHEET NUMBER
4