1 st O. REV.

P.E. IM–0020–01(153) 102291 / 1000

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	NH–0020–01(153)	1

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. NH–0020–01(153)

I–20 RECONSTRUCTION FROM
BIG BLACK RIVER EASTWARD 6.3 MILES
HINDS COUNTY

FMS NO.: 102291 / 301000 CONSTR.

SCALES

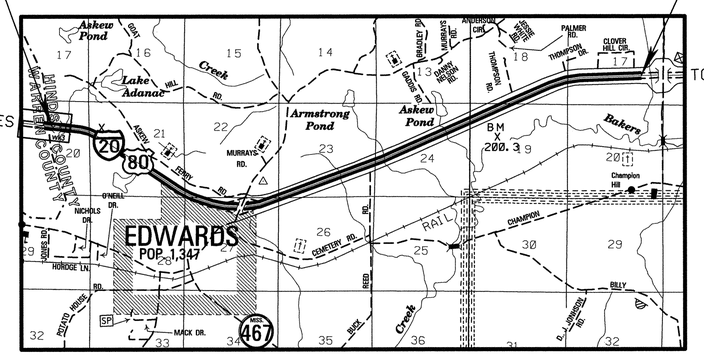
PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 4000 FT.

STA. 717+16.000 B. O. P.

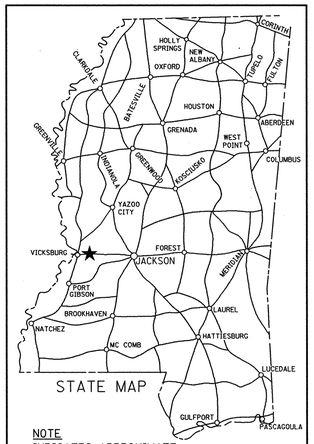
STA. 601+73 E. O. P.

BRIDGE STRUCTURES REQ'D.
NONE

BOX BRIDGES REQ'D.
NONE



SCALE IN KILOMETERS
2 1 0 1 2 3 4 5
1 0 1 2 3
SCALE IN MILES



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 32° 20′ 46″ N LONG. 90° 34′ 32″ W
(APPROX. MIDDLE OF PROJECT)

DESIGN CONTROL

70 MPH = V (SPEED DESIGN)

ADT (2010) = 39,000 ADT (2030) = 63,000

DHV = 6,300 : D = 60 % T = 34 %

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 (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: DBS DATE: 4/08/10

CONVENTIONAL SYMBOLS

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

EQUATIONS (EAST BOUND LANE)

STA. 846+34.340 BK. = STA. 845+91.190 AH. (+43.150 FT.)
STA. 884+30.250 BK. = STA. 874+64.770 AH. (+965.480 FT.)
STA. 898+26.220 BK. = STA. 898+41.570 AH. (–15.350 FT.)
STA. 989+95.520 BK. = STA. 990+00.000 AH. (–4.480 FT.)
STA. 1025+10.950 BK. = STA. 595+13.210 AH. (+42997.740 FT.)
+43986.540 FT.

(WEST BOUND LANE)

STA. 757+06.180 BK. = STA. 749+89.140 AH. (+717.040 FT.)
STA. 787+07.325 BK. = STA. 787+11.870 AH. (–4.545 FT.)
+712.495 FT.

EXCEPTIONS

BRIDGE @ STA. 721+50

LENGTH DATA

LENGTH OF ROADWAY	32,936.035 FT.	6.238MI.
LENGTH OF BRIDGES	0.000 FT.	0.000MI.
LENGTH OF PROJECT (NET)		6.238MI.
LENGTH OF EXCEPTIONS	220.000 FT.	0.042MI.
LENGTH OF PROJECT (GROSS)	33,156.035	6.280MI.

DATE	REVISIONS	BY
04/06/10	REMOVED NTB 596 & NTB 14 REFERENCES & CHANGED PROJECT NUMBERS	R.S.

APPROVED:
CHIEF ENGINEER — DATE 4/6/10
EXECUTIVE DIRECTOR — DATE 4/6/10
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MAJOR ARTERIAL

4/5/2010 2:26 PM TITLE.DGN

1 st O. REV.

STATE	PROJECT NO.
MISS.	NH-0020-01(153) △1

DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
TITLE SHEET (1)			1
DETAILED INDEX & GENERAL NOTES (3)			
DETAILED INDEX		DI-1	2
DETAILED INDEX		DI-2	3
GENERAL NOTES		GN-1	4
TYPICAL SECTION SHEETS (10)			
TYPICAL SECTION - I-20 EXISTING PAVEMENT		TS-1	5
TYPICAL SECTION - I-20 MAINLINE: 717+60 (B.O.P.) - 799+42		TS-2	6
TYPICAL SECTION - I-20 MAINLINE: 799+42 - 805+18		TS-3	7
TYPICAL SECTION - I-20 MAINLINE: 805+18 - 824+00 & 826+20 - 839+82		TS-4	8
TYPICAL SECTION - I-20 MAINLINE: 824+00 - 826+20		TS-5	9
TYPICAL SECTION - I-20 MAINLINE: 839+82 - 849+47		TS-6	10
TYPICAL SECTION - I-20 MAINLINE: 849+47 - 601+73 (E.O.P.)		TS-7	11
TYPICAL SECTION - I-20 MAINLINE: ACCEL. / DECEL. LANES		TS-8	12
TYPICAL SECTION - TEMPORARY CONNECTIONS		TS-9	13
TYPICAL SECTION - SHOULDER WIDENING & LOCAL ROAD OVERLAY		TS-10	14
QUANTITY SHEETS (18)			
SUMMARY OF QUANTITIES		SQ-1	15
SUMMARY OF QUANTITIES		SQ-2	16
SUMMARY OF QUANTITIES		SQ-3	17
SUMMARY OF QUANTITIES		SQ-4	18
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES		EQ-1	19
ESTIMATED QUANTITIES - CONCRETE PAVEMENT REPAIRS		EQ-2	20
ESTIMATED QUANTITIES - REMOVAL OF PAVEMENT		EQ-3	21
ESTIMATED QUANTITIES - REMOVAL OF GUARD RAIL, MEDIAN BARRIER, & F.E.S.		EQ-4	22
ESTIMATED QUANTITIES - REMOVAL OF STRIPE, FENCE, & COLD MILLING		EQ-5	23
ESTIMATED QUANTITIES - GUARD RAIL, TEMP. GUARD RAIL, & GUARD POSTS		EQ-6	24
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS		EQ-7	25
ESTIMATED QUANTITIES - ATTENUATORS, PORT. MEDIAN BARRIER, & UNDERDRAINS		EQ-8	26
ESTIMATED QUANTITIES - EROSION CONTROL ITEMS		EQ-9	27
ESTIMATED QUANTITIES - EARTHWORK		EQ-10	28
ESTIMATED QUANTITIES - FENCE ITEMS & MEDIAN BARRIER		EQ-11	29
ESTIMATED QUANTITIES - PAVEMENT MARKINGS		EQ-12	30
ESTIMATED QUANTITIES - PAVEMENT MARKINGS		EQ-13	31
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS		TCPQ-1	32
PLAN & PROFILE SHEETS (36)			
MAIN FACILITY - STA. 717+60.00 (B.O.P.) TO STA. 723+00		3-LT	33
MAIN FACILITY - STA. 717+60.00 (B.O.P.) TO STA. 723+00		3-RT	34
TEMPORARY CONNECTION #1 (@ B.O.P.)		3-A	35
MAIN FACILITY - STA. 723+00 TO STA. 755+00		4-LT	36
MAIN FACILITY - STA. 723+00 TO STA. 755+00		4-RT	37
MAIN FACILITY - STA. 755+00 TO STA. 779+00		5-LT	38
MAIN FACILITY - STA. 755+00 TO STA. 779+00		5-RT	39
MAIN FACILITY - STA. 779+00 TO STA. 811+00		6-LT	40
MAIN FACILITY - STA. 779+00 TO STA. 811+00		6-RT	41
TEMPORARY CONNECTION #2 (@ STA. 788+50)		6-A	42
MAIN FACILITY - STA. 811+00 TO STA. 843+00		7-LT	43
MAIN FACILITY - STA. 811+00 TO STA. 843+00		7-RT	44
STATE ROUTE 22 N.W. RAMP		7-A	45
STATE ROUTE 22 S.W. RAMP		7-B	46
STATE ROUTE 22 N.E. RAMP		7-C	47
STATE ROUTE 22 S.E. RAMP		7-D	48
TEMPORARY RAMP CONNECTION #1 (@ STA. 810+91.148)		7-E	49
TEMPORARY RAMP CONNECTION #2 (@ STA. 842+33.017)		7-F	50
TEMPORARY RAMP CONNECTION #3 (@ STA. 810+47.857)		7-G	51
TEMPORARY RAMP CONNECTION #4 (@ STA. 839+49.919)		7-H	52
MAIN FACILITY - STA. 843+00 TO STA. 874+00		8-LT	53
MAIN FACILITY - STA. 843+00 TO STA. 874+00		8-RT	54
TEMPORARY CONNECTION #3 (@ STA. 849+00)		8-A	55
MAIN FACILITY - STA. 874+00 TO STA. 896+00		9-LT	56
MAIN FACILITY - STA. 874+00 TO STA. 896+00		9-RT	57
MAIN FACILITY - STA. 896+00 TO STA. 928+00		10-LT	58
MAIN FACILITY - STA. 896+00 TO STA. 928+00		10-RT	59

DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
PLAN & PROFILE SHEETS (CONT.)			
MAIN FACILITY - STA. 928+00 TO STA. 959+00		11-LT	60
MAIN FACILITY - STA. 928+00 TO STA. 959+00		11-RT	61
MAIN FACILITY - STA. 959+00 TO STA. 990+00		12-LT	62
MAIN FACILITY - STA. 959+00 TO STA. 990+00		12-RT	63
MAIN FACILITY - STA. 990+00 TO STA. 1021+00		13-LT	64
MAIN FACILITY - STA. 990+00 TO STA. 1021+00		13-RT	65
MAIN FACILITY - STA. 1021+00 TO STA. 601+73.00 (E.O.P.)		14-LT	66
MAIN FACILITY - STA. 1021+00 TO STA. 601+73.00 (E.O.P.)		14-RT	67
TEMPORARY CONNECTION #4 (@ E.O.P.)		14-A	68
SPECIAL DESIGN SHEETS (108) △1△2			
DETAIL OF CONSTRUCTION SIGNING		DCS-1	69
DETAIL OF CONSTRUCTION SIGNING		DCS-2	70
DETAIL OF CONSTRUCTION SIGNING		DCS-3	71
LANE CLOSURE DETAILS FOR FULL DEPTH CONCRETE PAVEMENT REPAIRS		LCD-1	72
POSITIVE BARRIER DETAILS HEAD TO HEAD TRAFFIC		LCD-2	73
TRAFFIC CONTROL PLAN - PHASE I OVERVIEW		TC-1	74
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY CONNECTION #1		TC-2	75
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY CONNECTION #2		TC-3	76
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY RAMP CONNECTIONS #1 & #3		TC-4	77
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY RAMP CONNECTIONS #2 & #4		TC-5	78
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY CONNECTION #3		TC-6	79
TRAFFIC CONTROL PLAN - PHASE I TEMPORARY CONNECTION #4		TC-7	80
TRAFFIC CONTROL PLAN - PHASE II OVERVIEW		TC-8	81
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY CONNECTION #1		TC-9	82
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY CONNECTION #2		TC-10	83
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY RAMP CONNECTION #1		TC-11	84
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY RAMP CONNECTION #2		TC-12	85
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY CONNECTION #3		TC-13	86
TRAFFIC CONTROL PLAN - PHASE II TEMPORARY CONNECTION #4		TC-14	87
TRAFFIC CONTROL PLAN - PHASE II A TEMPORARY RAMP CONNECTION #1		TC-15	88
TRAFFIC CONTROL PLAN - PHASE II A TEMPORARY RAMP CONNECTION #2		TC-16	89
TRAFFIC CONTROL PLAN - PHASE III OVERVIEW		TC-17	90
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY CONNECTION #1		TC-18	91
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY CONNECTION #2		TC-19	92
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY RAMP CONNECTION #3		TC-20	93
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY RAMP CONNECTION #4		TC-21	94
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY CONNECTION #3		TC-22	95
TRAFFIC CONTROL PLAN - PHASE III TEMPORARY CONNECTION #4		TC-23	96
TRAFFIC CONTROL PLAN - PHASE III A TEMPORARY RAMP CONNECTION #3		TC-24	97
TRAFFIC CONTROL PLAN - PHASE III A TEMPORARY RAMP CONNECTION #4		TC-25	98
TRAFFIC CONTROL PLAN - DRUM PLACEMENT AND SHOULDER CLOSURE		TC-26	99
TEMPORARY PAVEMENT MARKING DETAIL - PHASE I TEMPORARY CONNECTIONS		TPMD-1	100
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II TEMPORARY CONNECTION #1		TPMD-2	100.1
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II TEMPORARY RAMP CONNECTION #1		TPMD-3	100.2
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II TEMPORARY RAMP CONNECTION #2		TPMD-4	100.3
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II TEMPORARY CONNECTION #3		TPMD-5	100.4
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II A TEMPORARY RAMP CONNECTION #1		TPMD-6	100.5
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II A TEMPORARY RAMP CONNECTION #2		TPMD-7	100.6
TEMPORARY PAVEMENT MARKING DETAIL - PHASE III TEMPORARY CONNECTION #2		TPMD-8	100.7
TEMPORARY PAVEMENT MARKING DETAIL - PHASE III TEMPORARY RAMP CONNECTION #3		TPMD-9	100.8
TEMPORARY PAVEMENT MARKING DETAIL - PHASE III TEMPORARY RAMP CONNECTION #4		TPMD-10	100.9
TEMPORARY PAVEMENT MARKING DETAIL - PHASE III TEMPORARY CONNECTION #4		TPMD-11	100.10
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II A TEMPORARY RAMP CONNECTION #3		TPMD-12	100.11
TEMPORARY PAVEMENT MARKING DETAIL - PHASE II A TEMPORARY RAMP CONNECTION #4		TPMD-13	100.12

106

FMS CONSTR. NO.: 102291 / 301000

PS & E PLANS-DATE 08-20-09		
REVISIONS		
DATE	SHEET NO.	BY
04-06-10	1-4,6-18,20,27,30,33-55, 58-68,100.39-100.77	R.S.
05-14-10	2-3,15-16,100.75-100.77	R.S.

R. SUTTERFIELD

DATE	REVISION	BY
05/14/10	RE-TOTALED SHEETS	R.S.
04/6/10	CHANGED PROJECT NUMBERS	R.S.
	RE-TOTALED SHEETS	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

I-20

COUNTY: HINDS

PROJ. NO.: NH-0020-01(153) △1

WORKING NUMBER: DI-1

SHEET NUMBER: 2

FILENAME: DI.DGN

DESIGN TEAM SUTTERFIELD CHECKED _____ DATE _____

1 st O. REV.

STATE	PROJECT NO.
MISS.	NH-0020-01(153) △1

DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
SPECIAL DESIGN SHEETS (CONT.)			
PAVEMENT MARKING DETAIL (STA. 699+50 TO STA. 712+00)		PMD-1	100.13
PAVEMENT MARKING DETAIL (STA. 716+50 TO STA. 729+00)		PMD-2	100.14
PAVEMENT MARKING DETAIL (STA. 765+00 TO STA. 777+00)		PMD-3	100.15
PAVEMENT MARKING DETAIL (STA. 798+00 TO STA. 810+00)		PMD-4	100.16
PAVEMENT MARKING DETAIL (STA. 810+00 TO STA. 822+00)		PMD-5	100.17
PAVEMENT MARKING DETAIL (STA. 822+00 TO STA. 833+00)		PMD-6	100.18
PAVEMENT MARKING DETAIL (STA. 833+00 TO STA. 848+00)		PMD-7	100.19
PAVEMENT MARKING DETAIL (STA. 913+00 TO STA. 925+00)		PMD-8	100.20
PAVEMENT MARKING DETAIL (STA. 1025+00 TO STA. 607+00)		PMD-9	100.21
INTERSECTION DETAIL - NW ENTRANCE RAMP & SW EXIT RAMP		ID-1	100.22
INTERSECTION DETAIL - SE ENTRANCE RAMP & NE EXIT RAMP		ID-2	100.23
MISCELLANEOUS DETAIL SHEET		MD-1	100.24
VEGETATION SCHEDULE		VS-1	100.25
DETAILS OF RUMBLE STRIPS (GROUND IN)		RS-1	100.26
SPEED SIGN DETAIL		R16-3	100.27
SUPERELEVATION CASE I ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)		SDSE-2A	100.28
SUPERELEVATION CASE II ROTATION ABOUT EDGE OF TRAVELED WAY (2% NORMAL SUBGRADE)		SDSE-2C	100.29
SUPERELEVATION RUNOFF CASE I ROTATION ABOUT CENTERLINE		SDRO-1	100.30
SUPERELEVATION RUNOFF CASE II ROTATION ABOUT EDGE OF TRAVELED WAY		SDRO-2	100.31
GUARDRAIL: BRIDGE END SECTION TYPE "I" (WOOD POSTS)		GR-2F	100.32
GUARDRAIL: BRIDGE END SECTION, TYPE "I" (STEEL POSTS)		GR-2G	100.33
GUARDRAIL: RUB RAIL HARDWARE SHEET		GR-RR	100.34
FENCE: BARBED WIRE OR WOVEN WIRE ON TEE POSTS		BB-1	100.35
DITCH PLUG MODIFICATIONS		DP-1	100.36
GUARD POST DETAILS		GP-1	100.37
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)		SDTCP-4	100.38
PRELIMINARY EROSION CONTROL PLANS - STA. 717+60.00 (B.O.P.) TO STA. 723+00		ECP3	100.39 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 723+00 TO STA. 755+00		ECP4	100.40 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 755+00 TO STA. 779+00		ECP5	100.41 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 779+00 TO STA. 811+00		ECP6	100.42 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 811+00 TO STA. 843+00		ECP7	100.43 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 843+00 TO STA. 874+00		ECP8	100.44 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 874+00 TO STA. 896+00		ECP9	100.45 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 896+00 TO STA. 928+00		ECP10	100.46 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 928+00 TO STA. 959+00		ECP11	100.47 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 959+00 TO STA. 990+00		ECP12	100.48 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 990+00 TO STA. 1021+00		ECP13	100.49 △1
PRELIMINARY EROSION CONTROL PLANS - STA. 1021+00 TO STA. 601+73.00 (E.O.P.)		ECP14	100.50 △1
TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS		ECD1	100.51 △1
DETAILS OF SEDIMENT BARRIER APPLICATIONS		ECD2	100.52 △1
DETAILS OF SILT FENCE INSTALLATION		ECD3	100.53 △1
DITCH CHECK STRUCTURES, TYPICAL APPLICATION AND DETAILS		ECD4	100.54 △1
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS		ECD5	100.55 △1
DETAILS OF EROSION CONTROL - WATTLE DITCH CHECK		ECD6	100.56 △1
DETAILS OF EROSION CONTROL - SILT DIKE DITCH CHECK		ECD7	100.57 △1
ROCK DITCH CHECK		ECD8	100.58 △1
ROCK DITCH CHECK WITH SUMP EXCAVATION		ECD9	100.59 △1
INLET PROTECTION - TYPICAL APPLICATIONS AND DETAILS		ECD10	100.60 △1
INLET PROTECTION - DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS		ECD11	100.61 △1
INLET PROTECTION - DETAILS OF WATTLES		ECD12	100.62 △1
INLET PROTECTION - DETAILS OF MANUFACTURED INLET PROTECTION DEVICE		ECD13	100.63 △1
INLET PROTECTION - DETAILS OF SAND BAG		ECD14	100.64 △1
STABLIZIED CONSTRUCTION ENTRANCE		ECD15	100.65 △1
TEMPORARY CULVERT STREAM CROSSING		ECD16	100.66 △1
TEMPORARY STREAM DIVERSION		ECD17	100.67 △1
TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)		ECD18	100.68 △1
FLOATING TURBIDITY CURTAIN		ECD19	100.69 △1
DETAILS OF EROSION CONTROL - SANDBAG DITCH CHECK		ECD20	100.70 △1
EROSION CONTROL		EC-1	100.71 △1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN & TYPE A SILT BASIN)		TEC-2	100.72 △1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)		TEC-3	100.73 △1
DETAILS OF TYPICAL DITCH TREATMENTS		DT-1	100.74 △1 △2
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASIN)		TEC-D	100.75 △1 △2
TYPICAL JPCP REPAIR		TJR-1	100.76 △1 △2

DESCRIPTION OF SHEET	REV. DATE	WKG. NO.	SH. NO.
STANDARD DRAWINGS (43)			
CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 24'-0" WIDE		CRP-1	101
CONCRETE PAVEMENT JOINTS		PJ-1	104 △1
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	PM-1	120
PAVEMENT MARKING DETAILS FOR INTERCHANGE ENTRANCE RAMPS (PARALLEL AND TAPER)	12-01-99	PM-3	122
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMPS (PARALLEL AND TAPER)	12-01-99	PM-4	123
EROSION CONTROL		EC-1	140 △1
TYPICAL TEMPORARY EROSION CONTROL MEASURES		TEC-3	144 △1 △1
FENCE: WOVEN WIRE TIMBER POSTS		WW-1	160
GUARD RAIL: "W" BEAM (WOOD POSTS)	03-01-02	GR-1	180
GUARD RAIL: THRIE BEAM (WOOD POSTS)	03-01-02	GR-1A	181
GUARD RAIL: "W" BEAM (STEEL POSTS)	03-01-02	GR-1B	182
GUARD RAIL: MODIFIED THRIE BEAM (STEEL POSTS)	03-01-02	GR-1C	183
GUARD RAIL: BRIDGE END SECTIONS TYPE "A" & "C"		GR-2	184
GUARD RAIL: TYPE 1 CABLE ANCHORAGE (FOUNDATION TUBE)	03-01-02	GR-3	192
GUARD RAIL: TYPE 1 CABLE ANCHORAGE (CONCRETE FOOTING)	03-01-02	GR-3A	193
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR DIVIDED HIGHWAYS	12-01-99	GR-4	194
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY		GR-4A	195
GUARD RAIL: TYPICAL INSTALLATION FOR ROADSIDE HAZARDS ON DIVIDED HIGHWAYS	03-01-02	GR-4C	197
GUARD RAIL (TEMPORARY): TYPICAL INSTALLATION AT BRIDGE END DURING CONSTRUCTION PHASES		TGR-2	200
GUARD RAIL: MISCELLANEOUS HARDWARE	03-01-02	GR-HW	202
INNOVATIVE MEDIAN BARRIER: CONCRETE (CAST IN PLACE) TYPE 1 (42" HEIGHT)		MB-3	206
TYPICAL INSTALL. & DETAILS OF DELINEATORS & DISTANCE REFERENCE SIGNS		SN-8	233
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DATE	REVISION	BY
05/14/14	DELETED OR REVISED SHEET. △2	R.S.
	RE-TOTALED/NUMBERED SHEETS	
04/6/10	ADDED OR REMOVED SHEETS. △1	R.S.
	CHANGED PROJECT NUMBERS	
	RE-TOTALED SHEETS	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

I-20

COUNTY: HINDS
PROJ. NO.: NH-0020-01(153) △1

WORKING NUMBER: DI-2

FILENAME: DI.DGN

DESIGN TEAM SUTTERFIELD CHECKED _____ DATE _____

SHEET NUMBER: 3

1 st O. REV.

STATE	PROJECT NO.
MISS.	△NH-0020-01(153)

GENERAL NOTES

1. ALL PERMANENT STRIPING ON BRIDGES AND BRIDGE APPROACH SLABS WILL BE COLD PLASTIC (CENTER AND BOTH EDGES). PERMANENT STRIPING ON OTHER CONCRETE SURFACES WILL BE HIGH PERFORMANCE COLD PLASTIC (CENTER) AND PERMANENT PAINT (EDGES). ALL REMAINING PERMANENT STRIPE WILL BE THERMOPLASTIC. REMOVAL OF EXISTING STRIPE WILL BE REQUIRED PRIOR TO PLACEMENT, PAYMENT FOR WHICH WILL BE COVERED UNDER THE APPROPRIATE PAY ITEM. RAISED PAVEMENT MARKERS SHALL BE INSTALLED AS PER STANDARDS.
2. TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT AND STRAIGHTNESS.
3. REMOVAL OF RAISED PAVEMENT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.
4. TEMPORARY TRAFFIC STRIPE WILL BE REQUIRED IMMEDIATELY AFTER MILLING AND/OR OVERLAY OPERATIONS AND PRIOR TO OPENING THE AREA TO TRAFFIC. TEMPORARY STRIPE ON THE FINAL RIDING SURFACE SHALL BE PLACED IN THE SAME LOCATION AND LAYOUT AS THE PERMANENT STRIPE. TEMPORARY PAVEMENT MARKERS WILL BE REQUIRED DURING CONSTRUCTION AND SHALL BE REMOVED PRIOR TO PLACEMENT OF PERMANENT MARKERS.
5. 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 ACCORDANCE WITH THE STANDARD DRAWINGS AND THE MUTCD. THE COST OF TRAFFIC CONTROL DEVICES IS TO BE INCLUDED IN THE PRICE BID FOR PAY ITEM 618-A, MAINTENANCE OF TRAFFIC. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND. TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE KEPT CLEAN AND IN SATISFACTORY CONDITION THROUGHOUT THE LIFE OF THE PROJECT.
6. △ GRASSING WILL BE REQUIRED AT ALL DISTURBED AREAS AS DIRECTED AND SHALL BE PERFORMED AT THE EARLIEST TIME TO MINIMIZE THE POTENTIAL FOR EROSION.
7. 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.
8. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM).
9. THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
10. 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.
11. INCIDENTAL WORK SUCH AS REMOVING VEGETATION, SHAPING AND COMPACTING SHOULDERS, REMOVING AND RESETTING SIGNS, REMOVING EXCESS ASPHALT MATERIAL, PROJECT CLEAN UP, AND OTHER ITEMS NECESSARY TO COMPLETE THE PROJECT WILL NOT BE MEASURED FOR SEPARATE PAYMENT AND WILL BE CONSIDERED INCLUDED IN THE PRICES OF OTHER ITEMS BID.
12. POTHOLES WHICH EXIST OR WHICH MAY OCCUR IN THE EXISTING PAVEMENT STRUCTURE ARE TO BE PATCHED IN A TIMELY MANNER AND PRIOR TO PAVING OPERATIONS.
13. ALL EXISTING GUARDRAIL AND TERMINAL END SECTIONS SHALL BE REPLACED THROUGHOUT THE PROJECT.
14. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
15. 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).
16. WIRE BACKING IS REQUIRED ON ALL SILT FENCE.
17. THE INCLUDED PLAN/PROFILE SHEETS ARE ATTACHED FOR INFORMATION ONLY UNLESS WORK REQUIRED IS SHOWN IN THE PLAN AND PROFILE VIEWS.
18. ASPHALT IS TO BE EXTENDED UNDER THE GUARDRAIL AND TWO 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, NECESSARY REMOVAL OF THE EXISTING SHOULDER MATERIAL SHALL BE PERFORMED, AND COSTS ASSOCIATED WITH THIS REMOVAL SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS BID.
19. ALL DITCH PLUGS AND AUTHORIZED CROSSOVERS WILL BE BROUGHT TO CURRENT SAFETY STANDARDS. THE SLOPES WILL BE FLATTENED TO A 10:1 SLOPE WHICH MAY REQUIRE EXTENDING SOME MEDIAN PIPES, AND REMOVAL AND REPLACEMENT OF SOME PAVED DITCH, APRONS AND INLETS. PAYMENT WILL BE MADE USING THE APPROPRIATE PAY ITEMS.
20. REMOVAL OF OBJECT MARKERS IS NOT CONSIDERED A SEPARATE PAY ITEM.
21. 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.
22. ALL EXISTING CULVERT PIPES OR OTHER OBSTRUCTIONS WHICH 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).
23. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
24. ANY EXISTING 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.
25. 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN PURPOSES ONLY.
26. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIALS.
27. △ NOTE DELETED.
28. △ THE CLEARING LIMITS WEST OF EDWARDS WILL BE 50'. THIS WILL BE RANDOM CLEARING.
29. △ ANYWHERE IN THESE PLANS REFERENCE IS MADE TO PROJECT NUMBER NH-0020-01(502), IT IS UNDERSTOOD THAT PROJECT NO. NH-0020-01(153) IS THE CORRECT PROJECT NUMBER.

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

DATE	REVISION NOTES, & CHANGED PROJ. NOS.	BY
04/6/18	ADDED, MODIFIED OR DELETED	R.S. △

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

I-20

COUNTY: HINDS
PROJ. NO.: NH-0020-01(153)△

WORKING NUMBER GN-1

FILENAME: GN.DGN
DESIGN TEAM SUTTERFIELD CHECKED _____ DATE _____

SHEET NUMBER 4