

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

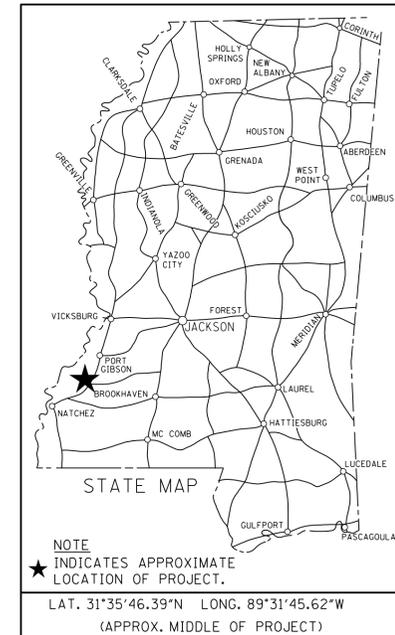
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY STATE PROJECT NO. SP-0303-00(012)

STATE HIGHWAY 552 1.40 MILES SOUTH OF STATE HIGHWAY 552 AND RUSSUM WESTSIDE ROAD CLAIBORNE COUNTY

GENERAL INDEX

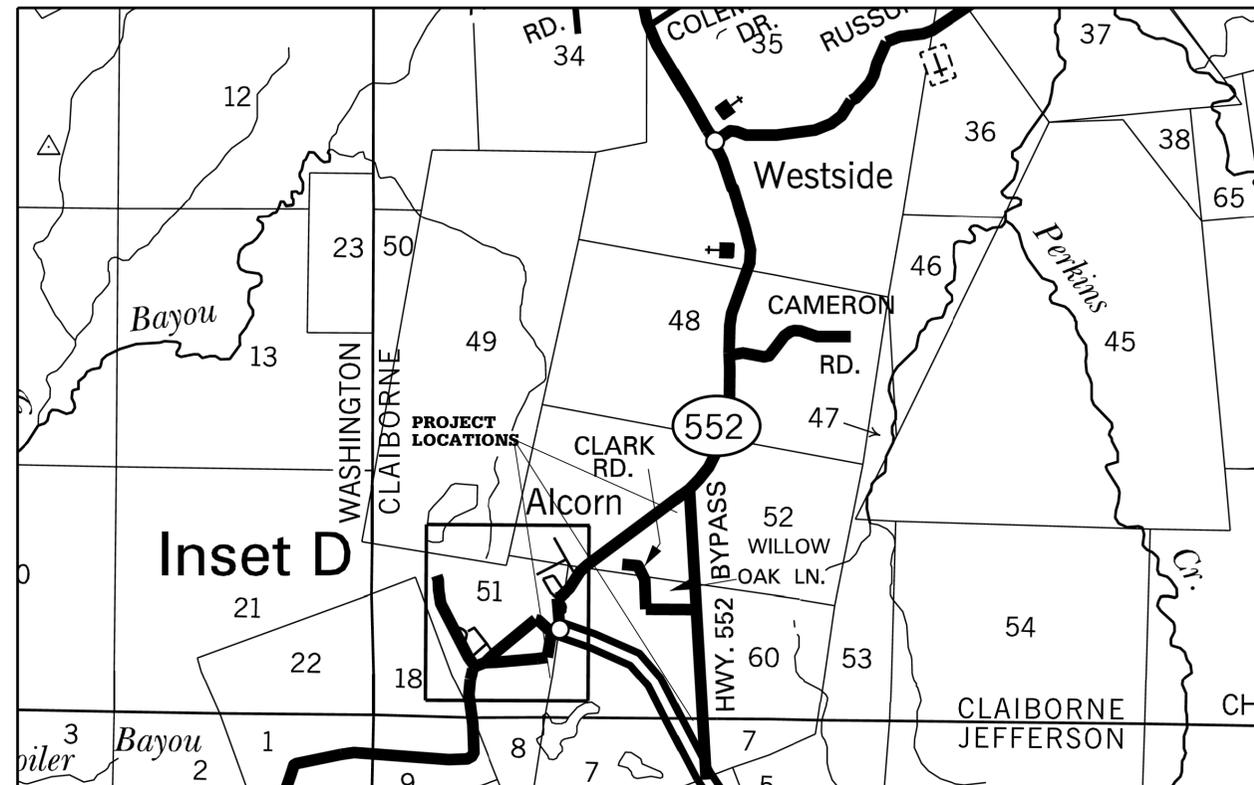
INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY	1
<input checked="" type="checkbox"/> PERMANENT SIGNS	1001
<input type="checkbox"/> TRAFFIC SIGNALS	2001
<input type="checkbox"/> ITS COMPONENTS	3001
<input checked="" type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input type="checkbox"/> BRIDGE STANDARD DWGS	7001
<input type="checkbox"/> BRIDGE	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	SP-0303-00(012)	1



SCALES

PLAN {	INTERSECTION	1 IN. = 20 FT.	PROFILE {	HOR.	1 IN. = 20 FT.	FMS CONST. 107179 /301000
	GEOMETRIC	1 IN. = 30 FT.		VERT.	1 IN. = 5 FT.	
	GRADING	1 IN. = 30 FT.				
	OTHERS	1 IN. = 40 FT.				



CONTROL STATEMENT

THE COORDINATE VALUES FOR THE PROJECT CONTROL WERE ESTABLISHED FROM UTILIZING STATIC GPS DATA, DOWNLOADED FROM THE "TALLULAH CORS ARP" STATION. STATIC GPS OBSERVATIONS AT CONTROL POINTS 1 THROUGH 4 EXCEEDED TWO HOURS. THESE DATA SETS WERE POST-PROCESSED UTILIZING TRIMBLE BUSINESS CENTER SOFTWARE, AS WELL AS, EACH DATA SET WAS SUBMITTED TO OPUS FOR COMPARISON. THE VALUES OF EACH WERE COMPARED AND DETERMINED SATISFACTORY. THE FINAL VALUES WERE BASED ON "TALLULAH CORS ARP" POST-PROCESSED RESULTS. CONVENTIONAL LEVELING WAS PERFORMED BETWEEN EACH CONTROL POINT AS A SECONDARY CHECK ON THE ELEVATIONS. FINALLY, CONVENTIONAL HORIZONTAL MEASUREMENTS WERE MADE BETWEEN EACH CONTROL POINT AS A SECONDARY CHECK ON THE HORIZONTAL POSITIONS.

GPS CONTROL NOTES

HORIZONTAL DATUM: NAD 83 (2011) MS WEST ZONE (US SURVEY FEET)
(EPOCH 2010.00)
HORIZONTAL MONUMENT NORTH EAST
TALLULAH CORS ARP LA NORTH 693,748.88 3,687,309.48
LAT:32°24'01.19646"(N) LONG:091°10'58.81156"(W)

VERTICAL DATUM: NAVD 88 (GEIOD 12B) (US SURVEY FEET)
VERTICAL MONUMENT ELEVATION
TALLULAH CORS ARP GEIOD HEIGHT=86.8601
ELLIP HEIGHT=24.311

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES @ CONTROL POINT 2	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	1.000012233
GRID TO GEODETIC AZIMUTH	-0°25'17.58225"

EQUATIONS		NONE	
LENGTH DATA			
LENGTH OF ROADWAY	6,074 FT.	1.150 MI.	
LENGTH OF BRIDGES	FT.	MI.	
LENGTH OF PROJECT (NET)	FT.	MI.	
LENGTH OF EXCEPTIONS	FT.	MI.	
LENGTH OF PROJECT (GROSS)		1.150 MI.	

EXCEPTIONS NONE

DESIGN CONTROL

55 MPH = V (SPEED DESIGN)

ADT (2016) = 800 ; ADT (2036) = 1200
DHV = 140 ; D = 60 % T = 10 %

PERMITS ACQUIRED BY MDOT

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

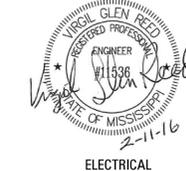
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)
S REQUIRED, CNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____



P S & E DATE: 2-11-16

REVISIONS	DATE	BY	APPROVED:
			DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER
			EXECUTIVE DIRECTOR



5/11/2016 1:34:40 PM E:\DGN

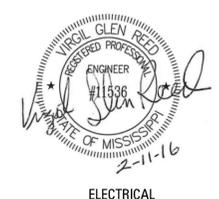
STATE	PROJECT NO.
MISS.	SP-0303-00(012)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>TITLE SHEET (1)</u>		1	<u>INTERSECTION DETAIL SHEETS (2)</u>		
<u>DETAILED INDEX & GENERAL NOTE (3)</u>			CAR PARKING LOT ACCESS ROAD AT HIGHWAY 552	ID-1	38
DETAILED INDEX	DI-1	2	CAR PARKING LOT ACCESS ROAD AT CAMPUS ROAD	ID-2	39
DETAILED INDEX	DI-2	3	<u>SPECIAL DESIGN SHEETS (52)</u>		
GENERAL NOTES	GN-1	4	RV PARKING LOT DETAILS - TYPICAL RV PAD LAYOUT	SDS-1	40
<u>TYPICAL SECTION SHEETS (5)</u>			RV PARKING LOT DETAILS - TYPICAL RV PAD GRADING	SDS-2	41
TYPICAL SECTIONS - STATE HIGHWAY 552 STA. 124+00 TO STA. 137+50	TS-1	5	CAR PARKING LOT DETAILS - ACCESS ROAD GATE GENERAL NOTES	SDS-3	42
TYPICAL SECTIONS - RV PARKING LOT LOOP ROAD - STA. 0+00 TO STA. 13+98 & ACCESS ROAD - STA. 2+30 TO STA. 9+70	TS-2	6	CAR PARKING LOT DETAILS - ACCESS ROAD GATE DETAIL (TYPE 1)	SDS-4	43
TYPICAL SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 10+15 TO STA. 11+80 & STA. 11+80 TO STA. 14+25	TS-3	7	CAR PARKING LOT DETAILS - ACCESS ROAD GATE DETAIL (TYPE 2)	SDS-5	44
TYPICAL SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 14+25 TO STA. 18+25 & STA. 18+25 TO STA. 22+65	TS-4	8	MISCELLANEOUS DETAILS - PARKING LOT STRIPING, PAVEMENT, SIDEWALK, RAMP, & CURB DETAILS	SDS-6	45
TYPICAL SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 22+65 TO STA. 25+00 & CAR PARKING LOT	TS-5	9	DRAINAGE DETAILS - CURB INLET	SDS-7	46
<u>QUANTITY SHEET (7)</u>			DRAINAGE DETAILS - DROP INLET	SDS-8	47
SUMMARY OF QUANTITIES	SQ-1	10	DRAINAGE DETAILS - CURB CUT W/ PAVED FLUME DETAIL	SDS-9	48
SUMMARY OF QUANTITIES	SQ-2	11	SEWER DETAILS - SEWER DUMPING STATION DETAIL	SDS-10	49
SUMMARY OF QUANTITIES	SQ-3	12	RV PARKING LOT DETAILS - RV PAD JOINT LAYOUT & FOUNDATION DETAILS	SDS-11	50
STRIPING & EROSION CONTROL QUANTITIES	EQ-1	13	CURB RAMPS - RAMP DESIGN ELEMENTS	SDCCR-1	51
CURB & GUTTER AND REMOVAL QUANTITIES	EQ-2	14	CURB RAMPS - PLACEMENT DETAILS	SDCCR-2	52
DRAINAGE QUANTITIES	EQ-3	15	CURB RAMPS - PLACEMENT DETAILS	SDCCR-3	53
SIGN QUANTITIES	EQ-4	16	CURB RAMPS - DETECTABLE WARNING DETAILS	SDCCR-4	54
<u>PROJECT LIMITS (2)</u>			CONSTRUCTION SIGN PLAN	CS-1	55
PROJECT LIMITS	PL-1	17	TRAFFIC CONTROL - STATE HIGHWAY 552 - STA. 68+75 TO STA. 92+61	TC-1	56
SURVEY CONTROL PLAN	PL-2	18	TRAFFIC CONTROL - STATE HIGHWAY 552 - STA. 119+50 TO STA. 141+56.66	TC-2	57
<u>PLAN & PROFILE SHEETS (12)</u>			TRAFFIC CONTROL - CAR PARKING LOT ACCESS ROAD & CAR PARKING LOT	TC-3	58
STATE HIGHWAY 552 - STA. 122+00 TO STA. 128+00	WK-3	19	TRAFFIC CONTROL - RV PARKING LOT ACCESS ROAD	TC-4	59
STATE HIGHWAY 552 - STA. 128+00 TO STA. 134+00	WK-4	20	TRAFFIC CONTROL DETAILS - DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	60
STATE HIGHWAY 552 - STA. 134+00 TO STA. 140+00	WK-5	21	PAVEMENT MARKINGS - STATE HIGHWAY 552 - STA. 119+50 TO STA. 141+56.66 & CAR PARKING LOT ACCESS ROAD - STA. 23+75 TO STA. 23+50	PMD-1	61
CAR PARKING ACCESS ROAD - STA. 10+00 TO STA. 14+00	WK-6	22	PAVEMENT MARKINGS - CAR PARKING LOT ACCESS ROAD - STA. 10+00 TO STA. 23+50 & CAR PARKING LOT	PMD-2	62
CAR PARKING ACCESS ROAD - STA. 14+00 TO STA. 19+00	WK-7	23	PAVEMENT MARKINGS - CAR PARKING LOT ISLANDS	PMD-3	63
CAR PARKING ACCESS ROAD - STA. 19+00 TO STA. 25+00	WK-8	24	PAVEMENT MARKINGS - RV PARKING LOT ACCESS ROAD, ALCORN CIRCLE & ALCORN LANE	PMD-4	64
CAR PARKING ACCESS ROAD - STA. 0+00 TO STA. 4+00	WK-9	25	2-LANE, 2-WAY - 2-WAY CLEAR RAISED PAVEMENT MARKERS PLACED ON SIDE ROADS	CRPMSR-2	65
RV PARKING ACCESS ROAD - STA. 02+34.50 TO STA. 6+00	WK-10	26	LANDSCAPING PLAN - CAR PARKING LOT ACCESS ROAD - STA. 10+00 TO STA. 25+25 & CAR PARKING LOT	LS-1	66
RV PARKING ACCESS ROAD - STA. 6+00 TO STA. 9+70	WK-11	27	LANDSCAPING PLAN - RV PARKING LOT	LS-2	67
RV PARKING LOOP ROAD - STA. 0+00 TO STA. 6+00	WK-12	28	LANDSCAPING PLAN - LANDSCAPING DETAILS, QUANTITIES, & VEGETATION SCHEDULE	LS-3	68
RV PARKING LOOP ROAD - STA. 6+00 TO STA. 10+20	WK-13	29	VEGETATION SCHEDULE (SOLID SODDING)	VS-1	69
RV PARKING LOOP ROAD - STA. 10+20 TO STA. 14+40	WK-14	30	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SCTCP-10	70
<u>PARKING LOT LAYOUT PLANS (7)</u>			EROSION CONTROL PLAN - STATE HIGHWAY 552 - STA. 123+00 TO STA. 141+40 & CAR PARKING LOT ACCESS ROAD - STA. 21+00 TO STA. 25+47	ECP-1	71
GEOMETRIC PLAN - CAR PARKING LOT & CAR PARKING LOT ACCESS ROAD - STA. 0+00 TO STA. 21+00	WK-15	31	EROSION CONTROL PLAN - CAR PARKING LOT ACCESS ROAD STA. 10+00 TO STA. 21+00 & CAR PARKING LOT	ECP-2	72
GEOMETRIC PLAN - RV PARKING LOT	WK-16	32	EROSION CONTROL PLAN - RV PARKING LOT	ECP-3	73
GRADING PLAN - CAR PARKING LOT	GR-1	33			
GRADING PLAN - RV PARKING LOT	GR-2	34			
GRADING PLAN - CAR PARKING LOT DETENTION POND (WEST)	GR-3	35			
GRADING PLAN - CAR PARKING LOT DETENTION POND (EAST)	GR-4	36			
GRADING PLAN - RV PARKING DETENTION POND	GR-5	37			



PS & E PLANS-DATE: 02/11/16		
FMS CON. # 107179/301000		
REVISIONS		
DATE	SHEET NO.	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. SP-0303-00(012)	WORKING NUMBER
COUNTY: CLAIBORNE	DI-1
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM: NEEL-SCHAFFER	2
CHECKED: CC	DATE: 02/11/16



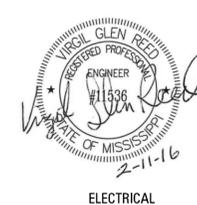
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STATE	PROJECT NO.
MISS.	SP-0303-00(012)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>SPECIAL DESIGN SHEETS (CONTINUED)</u>		
EROSION CONTROL	EC-1	74
TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS	ECD-1	75
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	76
DETAILS OF SILT FENCE INSTALLATION	ECD-3	77
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	78
TEMPORARY EROSION, SEDIMENT & WATER POLLUTION CONTROL MEASURES, SILT FENCE & HAY BALE DITCH CHECKS	ECD-5	79
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	80
ROCK DITCH CHECK	ECD-8	81
ROCK DITCH CHECK WITH SUMP EXCAVATION	ECD-9	82
INLET PROTECTION TYPICAL APPLICATION AND DETAILS	ECD-10	83
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS	ECD-11	84
INLET PROTECTION DETAILS FOR WATTLES	ECD-12	85
STABILIZED CONSTRUCTION ENTRANCE	ECD-16	86
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)	TEC-3	87
UTILITY PLAN - RV PARKING LOT	UP-1	88
UTILITY PLAN - RV PARKING LOT	UP-2	89
UTILITY DETAILS	UD-1	90
UTILITY DETAILS	UD-2	91
<u>PERMANENT SIGNING PLAN SHEETS (2)</u>		
PERMANENT SIGN PLAN	PSP-1	1001
PERMANENT SIGN PLAN - DIRECTIONAL SIGNING DETAILS	PSP-2	1002
<u>LIGHTING & ELECTRICAL PLAN SHEETS (15)</u>		
NOTES, ABBREVIATIONS, & LEGENDS - LIGHTING GENERAL NOTES, ABBREVIATIONS, & LEGENDS	LN-1	4001
ESTIMATED QUANTITIES - LIGHTING, RV PARK, COMMUNICATIONS, AND PRIMARY POWER	LQ-1	4002
LIGHTING PLAN - HIGHWAY 552 - STA. 75+26.36 (EXT. -94.00) TO STA. 87+25	LP-1	4003
LIGHTING PLAN - HIGHWAY 552 - STA. 121+00 TO STA. 141+50 & CAR PARKING LOT ACCESS ROAD - STA. 23+50 TO STA. 25+25	LP-2	4004
LIGHTING PLAN - CAR PARKING LOT ACCESS ROAD - STA. 10+00 TO STA. 23+50 & CAR PARKING LOT	LP-3	4005
LIGHTING & ELECTRICAL PLAN - RV PARKING LOT	LP-4	4006
ELECTRICAL PANEL SCHEDULES - RV PARKING LOT SPC-PP A - E SCHEDULES	E-1	4007
ELECTRICAL PANEL SCHEDULES - RV PARKING LOT SPC-PP F - J SCHEDULES	E-2	4008
LIGHTING DETAILS - TYPE "A" & "C" FIXTURES	LD-1	4009
LIGHTING DETAILS - TYPE "B" FIXTURE & BREAKAWAY BASE	LD-2	4010
LIGHTING DETAILS - SCHEMATIC OF LIGHTING CONTROLLER, SECONDARY POWER CONTROLLER, CABLE TRENCHING, & UNDERGROUND PULL BOX	LD-3	4011
LIGHTING DETAILS - FOUNDATION DETAILS	LD-4	4012
ELECTRICAL DETAILS - RV PARKING LOT - POWER PEDESTAL & POWER PANEL	ED-1	4013
ELECTRICAL DETAILS - LIGHTING SPC-PP SCHEMATICS	ED-2	4014
FIBER OPTIC DETAILS - PULLBOX AND CONDUIT TRENCHING DETAILS	FO-1	4015

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<u>STANDARD DRAWINGS (12)</u>		
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED HIGHWAYS	PM-1	6120
PAVEMENT MARKING LEGEND DETAILS	PM-6	6125
FENCE: CHAINLINK FENCE CLASS I	CL-1	6162
STANDARD ROADSIDE SIGNS	SN-3A	6223
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION	SN-4	6225
BREAKAWAY SIGN SUPPORTS	SN-6	6229
BREAKAWAY SIGN SUPPORTS	SN-6A	6230
SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	SN-7	6232
DETAILS OF PAVED FLUMES	PF-1	6291
PIPE CULVERT INSTALLATION	PI-1	6300
JUNCTION BOX FOR PIPE CULVERTS	JB-1	6302
FLARED END SECTION FOR CONCRETE PIPE	FE-1	6328
<u>CROSS SECTIONS (10)</u>		
CROSS SECTIONS - HIGHWAY 552 - STA. 123+98.00 TO STA. 126+00.00	XS-1	9001
CROSS SECTIONS - HIGHWAY 552 - STA. 126+50.00 TO STA. 129+50.00	XS-2	9002
CROSS SECTIONS - HIGHWAY 552 - STA. 130+00.00 TO STA. 133+50.00	XS-3	9003
CROSS SECTIONS - HIGHWAY 552 - STA. 134+00.00 TO STA. 136+50.00	XS-4	9004
CROSS SECTIONS - HIGHWAY 552 - STA. 137+00.00 TO STA. 138+61.00	XS-5	9005
CROSS SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 10+50.00 TO STA. 13+00.00	XS-6	9006
CROSS SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 13+50.00 TO STA. 16+00.00	XS-7	9007
CROSS SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 16+50.00 TO STA. 19+00.00	XS-8	9008
CROSS SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 19+50.00 TO STA. 22+00.00	XS-9	9009
CROSS SECTIONS - CAR PARKING LOT ACCESS ROAD - STA. 22+50.00 TO STA. 25+93.992	XS-10	9010
<u>TOTAL SHEETS (128)</u>		

5/11/2016 1:31:44:10 DI.DGN



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
PROJECT NO. SP-0303-00(012)	WORKING NUMBER
COUNTY: CLAIBORNE	DI-2
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM NSI	3
CHECKED CC	
DATE 02/11/16	

