GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	3
GENERAL NOTES	1
TYPICAL SECTION3	3
QUANTITIES	15
PLAN AND PROFILES	4
SPECIAL DESIGN – ROADWAY ITEMS	43
BRIDGE DRAWINGS	12
SPECIAL DESIGN – BRIDGES	13
CROSS-SECTIONS	16
TOTAL SHEETS	111

STATE OF MISSISSIPPI

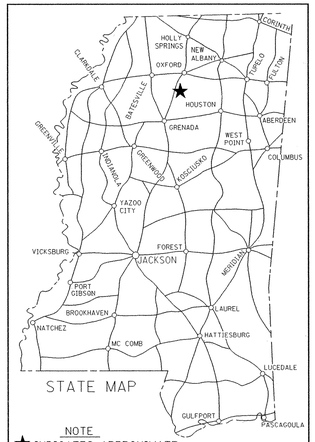
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0034-01(007)

SR 315 – SR 7 TO THE CALHOUN CO. LINE
BR. #'s 67.9, 69.3 & 70.4
YALOBUSHA COUNTY

FMS CONST. 103323 /301000

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.	BR-0034-01(007)	1



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

LAT. 34° 08' 51" LONG. 89° 34' 38"
(APPROX. MIDDLE OF PROJECT)

BOX BRIDGE REQ'D.
SITE 1 BR. # 67.9
STA. 90+00
144' – DBL. 12' X 8' BOX CULVERT REQ'D.
LENGTH ALONG C.L. = 26.38 FT.

BRIDGE STRUCTURE REQ'D.
SITE 2 BR. # 69.3
STA. 164+78.875 TO STA. 166+31.125
SPANS: 3 @ 50'
LENGTH = 152.25 FT.

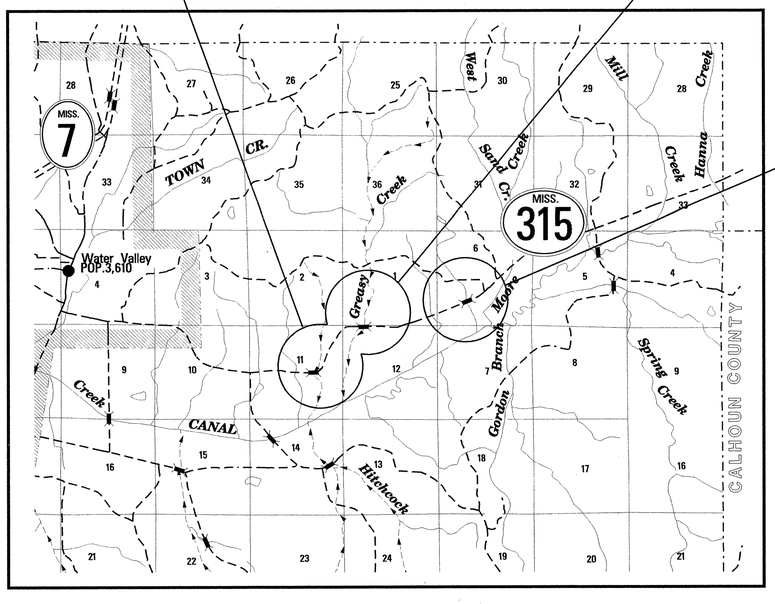
SCALES

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

BRIDGE #67.9
SITE 1

BRIDGE #69.3
SITE 2

BRIDGE #70.4
SITE 3



DESIGN CONTROL

65 MPH = V (SPEED DESIGN)

ADT (2006) = 1000 : ADT (2026) = 1300

DHV = 140 : D = 60 % T= 9 %

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 [S]

Y	REQUIRED, CNDI SUBMITTED BY MDOT (DISTRIBUTED AREA = 5 ACRES +)(NTB 586)
S	REQUIRED, SCNDI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 14)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: CRP DATE: 5-17-07

CONVENTIONAL SYMBOLS

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

EQUATIONS

EQUATION STA. 156+84.636 BK. =
STA. 157+00.130 AH. (SITE 2)

EXCEPTIONS

NONE

LENGTH DATA

	SITE 1 BR. #67.9		SITE 2 BR. #69.3		SITE 3 BR. #70.4		TOTAL LENGTH	
LENGTH OF ROADWAY	673.43 FT.	0.128 MI.	1732.26 FT.	0.328 MI.	755.00 FT.	0.143 MI.	3160.69 FT.	0.599 MI.
LENGTH OF BRIDGES	26.38 FT.	0.005 MI.	152.25 FT.	0.029 MI.	13.42 FT.	0.000 MI.	178.63 FT.	0.034 MI.
LENGTH OF PROJECT (NET)		0.133 MI.		0.357 MI.		0.143 MI.		0.633 MI.
LENGTH OF EXCEPTIONS	FT.	0.000 MI.	FT.	0.000 MI.	FT.	0.000 MI.	FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)		0.133 MI.		0.356 MI.		0.143 MI.		0.633 MI.

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APPROVED:
CHIEF ENGINEER 5-18-07 DATE

EXECUTIVE DIRECTOR 5-18-07 DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

BY | REVISIONS | DATE

1 st O. REV.

STATE	PROJECT NO.
MISS.	BR-0034-01(007)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
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DETAILED INDEX	DI-2	3
GENERAL NOTES	GN-1	4
DETAILED INDEX - BRIDGE	DI-BR-1	5
TYPICAL SECTION SHEETS (3)		
TYPICAL SECTION - NEW CONSTRUCTION HWY 315	TS-1	6
TYPICAL SECTION - WIDENING & OVERLAY HWY 315	TS-2	7
TYPICAL SECTION - CONSTRUCTION AND REMOVAL OF DETOUR ROAD	TS-3	8
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SUMMARY OF QUANTITIES	SQ-2	10
SUMMARY OF QUANTITIES	SQ-3	11
SUMMARY OF QUANTITIES	SQ-4	12
SUMMARY OF QUANTITIES - BRIDGE	SQ-BR-5	13
ESTIMATED QUANTITIES	EQ-1	14
ESTIMATED QUANTITIES	EQ-2	15
ESTIMATED QUANTITIES	EQ-3	16
ESTIMATED QUANTITIES	EQ-4	17
ESTIMATED QUANTITIES	EQ-5	18
ESTIMATED QUANTITIES	EQ-6	19
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS	EQ-7	20
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HWY. 315 - SITE 2 STA. 154+72.93 TO STA. 173+50	4	23
HWY. 315 - SITE 2 DETOUR ROAD STA 54+72.93 TO STA.73+03.20	4A	24
HWY. 315 - SITE 3 STA. 221+00 TO STA. 228+55	5	25
SPECIAL DESIGN SHEETS (15)		
CONSTRUCTION SIGNING	CS-1	26
CONSTRUCTION SIGNING	CS-2	27
CONSTRUCTION SIGNING	CS-3	28
TRAFFIC CONTROL PLAN	TC-1	29
TRAFFIC CONTROL PLAN	TC-2	30
TRAFFIC CONTROL PLAN	TC-3	31
MISCELLANEOUS TYPICAL SECTION DETAILS	MTSD	32
R16-3 LOCATION SHEET	R16-3	33
DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	34
VEGETATION SCHEDULE	VS-1	35
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (WOOD POST)	GR-2G	36
GUARD RAIL : BRIDGE END SECTION - TYPE "I" (STEEL POST)	GR-2F	37
GUARD RAIL : RUB RAIL HARDWARE SHEET	GR-RR	38
GUARDRAIL (TEMPORARY): TYPICAL INSTALLATION AT DETOUR BRIDGE ENDS	TGR-1	39
RIGHT OF WAY MARKERS	RW-1	40

DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
STANDARD DRAWINGS - ROADWAY SHEETS (28)			
BRIDGE END PAVEMENT		BE-1	107
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12-01-99	PM-1	120
EROSION CONTROL		EC-1	140
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, HAY BALES, & BRUSH BARRIER)		TEC-1	142
DETAILS OF TYPICAL DITCH TREATMENT		DT-1	145
GUARD RAIL : "W" BEAM (WOOD POSTS)	3-01-02	GR-1	180
GUARD RAIL : THRIE BEAM (WOOD POSTS)	3-01-02	GR-1A	181
GUARD RAIL : "W" BEAM (STEEL POSTS)	3-01-02	GR-1B	182
GUARD RAIL : MODIFIED THRIE BEAM (STEEL POSTS)	3-01-02	GR-1C	183
GUARD RAIL : TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	195
GUARD RAIL : MISCELLANEOUS HARDWARE	3-01-02	GR-HW	202
TYPICAL GUARD RAIL DELINEATION	3-01-02	SN-8C	236
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)		TCP-1	250
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS		TCP-8	257
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS		TCP-10	259
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	12-01-99	TCP-11	260
TRAFFIC CONTROL PLAN : UNEVEN PAVEMENT DETAILS		TCP-14	263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	TCP-15	264
RURAL DRIVEWAYS		RD-1	271
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS		GT-1	272
SUPERELEVATION TRANSITION - CASE I (2.0% NORMAL SUBGRADE)	3-01-02	SE-2A	276
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINT 2. EXCAVATION AT GRADE POINTS		MDS-1	290
DETAILS OF PAVED FLUMES		PF-1	291
PIPE CULVERT INSTALLATION		PI-1	300
CONCRETE PIPE COLLAR		PC-1	301
BRANCH CONNECTIONS		BC-1	305
FLARED END SECTION FOR CONCRETE PIPE		FE-1	328

C C LEWIS

PS & E PLANS-DATE 07-12-07		
FMS CON. # 103323/301000		
REVISIONS		
DATE	SHEET NO.	BY
08-29-07	9,10, 11, 12, 16, 17, 19,	
	22, 23, 24, 25, 30,31	CCL

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. BR-0034-01(007)
COUNTY : YALOBUSHA

WORKING NUMBER: DI-1

FILENAME: di-1.dgn
DESIGN TEAM C.C. LEWIS CHECKED DATE

SHEET NUMBER: 2

REVISION BY DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

8/29/2007 1:18 PM DI-1.DGN

STATE	PROJECT NO.
MISS.	BR-0034-01(007)

DESCRIPTION OF SHEET

	WKG. NO.	SH. NO.
STANDARD DRAWINGS - BRIDGE SHEETS (14)		
BASIC CULVERT DRAWINGS - BARREL JOINT LOCATIONS- NORMAL AND SKEWED CULVERTS GROUP I DIAGRAMS	IBJL-1	366.1
COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE)	ICJ-1	367
BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 6 FT. - SPANS 6 - 20 FT.	IBS-6-2W	370.1
BASIC CULVERT DRAWING - SINGLE CELL - HEIGHT 6 FT. - SPANS 6 - 20 FT.	IBS-6-2W	370.2
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT.	IWS-3	374
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT.	IWS-3	375.1
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - SINGLE CELL - HEIGHTS 6 - 12 FT. -SPANS 6- 24 FT.	IWS-3	375.2
BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHT 8 FT. - SPANS 16 - 32 FT.	IBD-8-2W	384.1
BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHT 8 FT. - SPANS 16 - 32 FT.	IBD-8-2W	384.2
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHTS 6 - 12 FT. -SPANS 12- 40 FT.	IWD-3	387
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHTS 6 - 12 FT. -SPANS 12- 40 FT.	IWD-3	388.1
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING - DOUBLE CELL - HEIGHTS 6 - 12 FT. -SPANS 12- 40 FT.	IWD-3	388.2
BOX CULVERT DRAWING - IBD CULVERTS MODIFIED - FOR HIGH COVER WINGS WITH 3:1 SLOPE	IBDM-3W	393
BOX CULVERT DRAWING - IBD CULVERTS MODIFIED - FOR HIGH COVER WINGS WITH 3:1 SLOPE	IBDM-3W	394

CROSS SECTION SHEETS (16)

MAINLINE	(SITE 1)	901-905
MAINLINE & DETOUR ROAD	(SITE 2)	906-912
MAINLINE	(SITE 3)	913-916

TOTAL SHEETS 98

BY | REVISION | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. BR-0034-01(007)
COUNTY : YALOBUSHA

WORKING NUMBER DI-2

FILENAME: di-1.dgn
DESIGN TEAM C.C. LEWIS CHECKED DATE

SHEET NUMBER 3

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7/12/2007 11:33 AM DI-1.dgn

STATE	PROJECT NO.
MISS.	BR-0034-01(007)

GENERAL NOTES

PUBLIC UTILITIES:

① BELLSOUTH TELEPHONE
TALLAHATCHIE VALLEY POWER ASSOCIATION
OTOUCALOFA WATER ASSOCIATION, JOHN R. INGRAM, PRESIDENT
VISTA–3 MEDIA

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 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.

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

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 UNDERCUT AREAS AND THE 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 ITEMS.

⑥ 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.

⑦ 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.

⑧ ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).

GENERAL NOTES

⑨ 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.

⑩ FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

⑪ THE LOCATION OF THE DETOUR BRIDGE IS APPROXIMATE AND MAY BE ADJUSTED BY THE PROJECT ENGINEER TO FIT FIELD CONDITIONS.

⑫ VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.

⑬ 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.

⑭ 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 PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.

⑮ SOME WORK IS REQUIRED OUTSIDE THE PROJECT LIMITS BEYOUND 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.

⑯ FULL COLLARS ARE TO BE USED AT ALL BOX CULVERT EXTENSIONS AND AT ALL BOX CULVERT CONSTRUCTION JOINTS. (SEE ICJ–1 FOR DETAILS)

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PROJ. NO. BR-0034-01(007)
YALOBUSHA COUNTY

FILENAME: gn-1.dgn
DESIGN TEAM C.C. LEWIS CHECKED _____ DATE _____

WORKING NUMBER GN-1
SHEET NUMBER 4

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7/12/2007 11:32AM GN-1.DGN

STATE	PROJECT NO.
MISS.	BR-0034-01(007)

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 164+78.875		
SR 315 ACROSS GREASY CREEK (GENERAL NOTES & LAYOUT)	1 OF 13	466
SR 315 ACROSS GREASY CREEK (FOUNDATION PLAN)	2 OF 13	467
GENERALIZED SOIL PROFILE	3 OF 13	468
END BENTS NO. 1 & 4 DETAILS	4 OF 13	469
END BENT DETAILS	5 OF 13	470
INT. BENTS NO. 2 & 3 DETAILS	6 OF 13	471
50 FT. SPAN DETAILS	7 OF 13	472
50 FT SPAN DETAILS	8 OF 13	473
MISCELLANEOUS SPAN DETAILS	9 OF 13	474
RAILING DETAILS	10 OF 13	475
50 FT. BEAM DETAILS (END SPAN)	11 OF 13	476
50 FT. BEAM DETAILS (INT. SPAN)	12 OF 13	477
PRESTRESSED CONCRETE PILES	13 OF 13	478

SPECIAL DESIGN SHEETS DETOUR BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
DETOUR AT STA. 65+00.00 SR 315 ACROSS GREASY CREEK	DB1 OF 1	479

DATE	REVISIONS	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX
(BRIDGE)

PROJECT 103323/301000
BR-0034-01(007)

YALOBUSHA COUNTY

WORKING NUMBER DI-BR-1

DESIGNED RWC DETAILED RWC TRACED CADD
CHECKED BJJ ISSUED MKC DATE 4/17/07

SHEET NUMBER 5