STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BR000-0005-00(571)	45	146

BRIDGE CONSISTS OF

1 - 45'-0" TYPE I MOD PSC BEAM SPAN ---------- SPECIAL DESIGN

3 - 85'-0" TYPE III PSC BEAM SPANS ---------- SPECIAL DESIGN

2 - STEEL H PILE END BENTS ---------- SPECIAL DESIGN

3 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 2'-8")

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

DRAINAGE DATA

DRAINAGE AREA ---------- 73.3 SQ MILES

FLOOD FREQUENCY	DISCHARGE	AREA OF OPENING UNDER FLOODSTAGE	MEAN VELOCITY	BACKWATER
50 YEAR	12,700 CFS	3,136 SQ FT	4.05 FPS	0.10 FT
100 YEAR	14,900 CFS	3,449 SQ FT	4.32 FPS	0.11 FT
500 YEAR	21,100 CFS	3,989 SQ FT	5.29 FPS	0.33 FT

TRAFFIC DATA

TRAFFIC ---------- ADT = 3,050 (2013)
ADT = 4,050 (2033)

DESIGN SPEED ---------- 55 MPH

TRUCKS ---------- 4 %

24 HR TRUCKS ---------- 5.5 %

DIRECTIONAL ---------- 60 %

UTILITIES

NONE

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

TYPICAL HS20-44 AND/OR MILITARY LOADING ---------- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ---------- SEE BEAM SHEETS
SUBSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

PRETENSIONING STRANDS: ---------- f'_s = 270,000 PSI

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS ARE NOT AVAILABLE.

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PILE POINTS - REINFORCE ALL PILE TIPS AT BENT 5 IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATIONS.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENT 1.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

STANDARD PLAN MODIFICATION - MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST AT BENTS 1 AND 5 TO 1 1/4 ". SEE ROADWAY PLANS APPROACH SLAB PAYMENT.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

PSC BEAMS - PRESTRESSED CONCRETE AASHTO TYPE I MODIFIED BEAMS SHALL BE PAID FOR AS "LF PSC BEAMS, AASHTO TYPE I".

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	1267	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (374)
500-2110	588	LF	CONCRETE PARAPET, SPCL DESIGN
500-3002	131	CY	CLASS AA CONCRETE
507-9001	263	LF	PSC BEAMS, AASHTO TYPE I, BR NO - 1
507-9003	1515	LF	PSC BEAMS, AASHTO TYPE III, BR NO - 1
511-1000	25288	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (82116)
520-0242	6	EA	H-PILE POINTS, HP 10 X 42
520-1104	130	LF	PILING IN PLACE, STEEL H, HP 10 X 42
520-1147	160	LF	PILING IN PLACE, STEEL H, HP 14 X 73
520-4104	1	EA	LOAD TEST, STEEL H, HP 10 X 42 (IF REQD)
520-4147	1	EA	LOAD TEST, STEEL H, HP 14 X 73 (IF REQD)
524-0010	97	LF	DRILLED CAISSON - 48 IN
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 25+27
603-2024	1546	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1546	SY	PLASTIC FILTER FABRIC

BRIDGE NO. 1

35.02

BY	REVISIONS	DATE

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES

SR 136 OVER WEST CHICKAMAUGA CREEK

WALKER COUNTY BR000-0005-00(571)

NO SCALE OCTOBER 2010

JOB NO.	BRIDGE SHEET
7174-015	2 OF 17

DESIGNED JLA CHECKED LSW REVIEWED WMD/WEI
DRAWN RAR DESIGN GROUP APPROVED PVL

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