

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-165-1(71)	52	131

GENERAL NOTES

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

WORKING DRAWINGS - WHEN SUBMITTING SHOP DRAWINGS FOR THIS PROJECT TO THE D.O.T. GENERAL OFFICE FOR REVIEW, THEY SHALL BE SENT TO THE OFFICE OF CONSULTANT DESIGN.

REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

CHAMFER - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCH UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER S-0866(1).

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

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

SMOOTH DOWEL BARS - SMOOTH DOWEL BARS SHALL BE PLACED IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUTED 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.

PROTECTIVE SURFACE TREATMENT - PROTECTIVE SURFACE TREATMENT WILL BE REQUIRED AT THIS SITE AS PER SUB-SECTION 500.3.05.AD OF THE GEORGIA DOT SPECIFICATIONS.

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

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 GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.

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

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

BRIDGE CONSISTS OF

- 1 - 115'-0" BULB TEE, 72 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - 50'-0" TYPE II PSC BEAM SPAN ----- SPECIAL DESIGN
- 2 - STEEL H PILE END BENTS ----- SPECIAL DESIGN
- 1 - CONCRETE INTERMEDIATE BENT ----- SPECIAL DESIGN
- 4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 2'-8")
(L = 5'-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 (10-20-97)

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	770	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (282)
500-2100	318	LF	CONCRETE BARRIER
500-3101	91	CY	CLASS A CONCRETE
507-9002	292	LF	PSC BEAMS, AASHTO TYPE II, BR NO - 1
507-9032	681	LF	PSC BEAMS, AASHTO BULB TEE, 72 IN, BR NO - 1
511-1000	15049	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (57371)
520-1125	410	LF	PILING IN PLACE, STEEL H, HP 12 X 53
520-1151	530	LF	PILING IN PLACE, STEEL H, HP 14 X 89
520-4125	1	EA	LOAD TEST, STEEL H, HP 12 X 53 (IF REQD)
520-4151	1	EA	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)
524-0010	64	LF	DRILLED CAISSON - 42 IN
540-1101	LUMP		REMOVAL OF EXISTING BR, STA NO - 22+50
603-2024	1070	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1070	SY	PLASTIC FILTER FABRIC

DESIGN DATA

SPECIFICATIONS ----- AASHTO 1996 AND 1997, 1998 AND 1999 INTERIMS (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, SEE BEAM SHEETS

PSC BEAM ALLOWABLE TENSION ----- SEE BEAM SHEETS

SUBSTRUCTURE ----- CLASS A, $f'_c = 3,000$ PSI

CAISSONS ----- CLASS AA, $f'_c = 3,500$ PSI

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

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

DRAINAGE DATA

DRAINAGE AREA ----- 31.4 SQ MILES

FLOOD FREQUENCY	DISCHARGE	VELOCITY	AREA OF OPENING UNDER HIGHWATER
50 YEAR	5420 CFS	6.58 FPS	823 SQ FT
100 YEAR	6390 CFS	6.86 FPS	931 SQ FT
500 YEAR	8970 CFS	7.57 FPS	1185 SQ FT

TRAFFIC DATA

TRAFFIC ----- ADT = 10100 (2006)
----- ADT = 18200 (2026)
----- DHV 1820

DESIGN SPEED ----- 45 MPH

TRUCKS ----- 8 %

24 HR TRUCKS ----- 10 %

DIRECTIONAL ----- 60 %

UTILITIES

NONE

BRIDGE NO. 1



3340 PEACHTREE ROAD, NE
SUITE 2400, TOWER PLACE 100
ATLANTA, GA 30326-1001

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES
SR 155 OVER WALNUT CREEK

HENRY COUNTY BRST-165-1(71)

NO SCALE SEPTEMBER 2004

BRIDGE SHEET 2 OF 14	DESIGNED PAA DRAWN PAA	CHECKED DWH DESIGN GROUP EJC	REVIEWED JJD APPROVED PVL
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