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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	0010194	316	622

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION, 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.

WAITING PERIOD - DO NOT BEGIN WORK AT BENTS 1 AND 4 UNTIL THE COMPLETED END FILLS HAVE BEEN IN PLACE FOR AN ESTIMATED PERIOD OF 60 DAYS.

FOOTING ELEVATIONS - DO NOT LOWER SPREAD FOOTING ELEVATIONS, AS SHOWN ON THE PLANS, MORE THAN 3'-0" WITHOUT THE APPROVAL OF THE STATE BRIDGE ENGINEER.

FOUNDATION BACKFILL MATERIAL - PLACE 1'-0" OF TYPE II FOUNDATION BACKFILL MATERIAL UNDER EACH FOOTING AT BENT 2 OF THE LEFT AND RIGHT BRIDGES AND BENT 3 OF THE RIGHT BRIDGE. THE QUANTITY IS BASED ON THE PLAN FOOTING DIMENSIONS PLUS 2'-0".

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PILE POINTS - REINFORCE ALL PILE TIPS AT BENT 2, BENT 3 OF THE RIGHT BRIDGE AND BENT 4 IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATIONS.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT EACH OF BENT 1 OF THE LEFT BRIDGE AND BENT 3 OF THE RIGHT BRIDGE.

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 TO 1 1/2" AT BENT 1. SEE ROADWAY PLANS FOR 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.

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. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

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, TEMPORARY SHORING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

DESIGN DATA

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

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

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

CONCRETE: BARRIER ----- CLASS AA, f_c = 3,500 PSI
SUPERSTRUCTURE ----- CLASS AA, f_c = 3,500 PSI
PSC BEAMS ----- CLASS AAA, f_c = 8,000 PSI
PSC BEAM ALLOWABLE TENSION ----- 537 PSI
SUBSTRUCTURE ----- CLASS AA, f_c = 3,500 PSI

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

PRETENSIONING STRANDS: ----- f_p = 270,000 PSI

STEEL H-PILES: ----- f_y = 36,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITIES		UNIT	PAY ITEM
	LEFT BRIDGE	RIGHT BRIDGE		
207-0203	14	27	CY	FOUND BKFILL MATL, TP II
211-0300	283	185	CY	BRIDGE EXCAVATION, STREAM CROSSING
500-0100	1431	1450	SY	GROOVED CONCRETE
500-1006	LUMP	----	LS	SUPERSTR CONCRETE, CL AA, BR NO - 2 LT (522)
500-1006	----	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 2 RT (529)
500-2100	702	711	LF	CONCRETE BARRIER
500-3002	294	282	CY	CLASS AA CONCRETE
507-9031	2116	----	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 2 LT
507-9031	----	2144	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 2 RT
511-1000	55584	53232	LB	BAR REINF STEEL
511-3000	LUMP	----	LS	SUPERSTR REINF STEEL, BR NO - 2 LT (111969)
511-3000	----	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 2 RT (112126)
520-0573	29	45	EA	H-PILE POINTS, HP 14 X 73
520-1147	2260	2050	LF	PILING IN PLACE, STEEL H, HP 14 X 73
520-4147	1	1	EA	LOAD TEST, STEEL H, HP 14 X 73 (IF REQD)
603-2024	862	862	SY	STN DUMPED RIP RAP, TP I, 24 IN
603-7000	862	862	SY	PLASTIC FILTER FABRIC

EACH BRIDGE CONSISTS OF

- 3 - 120'-0" BULB TEE, 63 IN, PSC BEAM SPANS ----- SPECIAL DESIGN
- 2 - STEEL H PILE END BENTS ----- SPECIAL DESIGN
- 2 - 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")
(L = 4'-6"; W = 1'-1"; H = 2'-8")
(L = 5'-6"; 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)

TRAFFIC DATA

TRAFFIC ----- ADT = 10,200 (2017)
ADT = 15,700 (2037)

DIRECTIONAL ----- 50 %

DESIGN SPEED ----- 55 MPH

TRUCKS ----- 5 %

24 HR TRUCKS ----- 6.25 %

UTILITIES

NO UTILITIES ON BRIDGE

DRAINAGE DATA

DRAINAGE AREA ----- 12.06 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING BELOW FLOODSTAGE	BACKWATER
50 YEAR	3638 CFS	3.52 FPS	1033 SQ FT	0.46 FT
100 YEAR	4323 CFS	3.73 FPS	1160 SQ FT	0.54 FT
500 YEAR	6216 CFS	4.24 FPS	1466 SQ FT	0.73 FT

BRIDGE NO. 2 LEFT AND RIGHT

DATE		REVISIONS		BY		GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES	
						GENERAL NOTES SR 962 (US 129, CLEVELAND WEST BYPASS) OVER TESNATEE RIVER WHITE COUNTY 0010194	
						NO SCALE JULY 2013	
DRAWING NO. 35-033		DESIGNED: KMS		CHECKED: DDF		REVIEWED: DLC/WMD	
BRIDGE SHEET 2 OF 27		DRAWN: WMC		DESIGN GROUP: DDF		APPROVED: BFR	

1 INCH WHEN PRINTED FULL SIZE

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