

BRIDGE CONSISTS OF

- 1 - 121'-3 1/8 " BULB TEE, 63 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - 118'-9 15/16 " BULB TEE, 63 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 4 - STEEL H PILE END BENTS ----- SPECIAL DESIGN
- 8 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
 - 2 - (L = 5'-6"; W = 1'-1"; H = 2'-8")
 - 2 - (L = 8'-6"; W = 1'-1"; H = 2'-8")
 - 1 - (L = 8'-0"; W = 1'-1"; H = 2'-8")
 - 1 - (L = 6'-6"; W = 1'-1"; H = 2'-8")
 - 2 - (L = 5'-0"; W = 1'-1"; H = 2'-8")
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- CHAIN LINK WIRE FENCE ----- GA. STD. 903IN (8-13-85)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (9-99)

TRAFFIC DATA

TRAFFIC ----- ADT = 4,547 (2015)
 ADT = 32,968 (2035)

DESIGN SPEED ----- 45 MPH

TRUCKS ----- 13 %

24 HR TRUCKS ----- 13 %

DIRECTIONAL ----- 52 %

UTILITIES

NO UTILITIES ON BRIDGE

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
 BARRIER ----- 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 A, $f'_c = 3,000$ PSI

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

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

STEEL H-PILES: ----- $f_y = 50,000$ PSI

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.
- RAILROAD SIDE DITCHES - PRIOR TO THE BEGINNING OF CONSTRUCTION, CLEAN THE RAILROAD SIDE DITCHES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE. MAINTAIN THE RAILROAD SIDE DITCHES FREE OF SILT AND DEBRIS UNTIL FINAL ACCEPTANCE. SEE ROADWAY PLANS FOR EROSION CONTROL AND PAYMENT.
- PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 22'-0" ABOVE HIGH RAIL OF RAILROAD TRACKS.
- TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.
- WAITING PERIOD - NONE REQUIRED.
- PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.
- STEEL H-PILES - USE STEEL FOR H-PILES THAT MEETS THE REQUIREMENTS OF ASTM A 709 GR 50.
- PILE POINTS - REINFORCE ALL PILE TIPS AT BENTS 1 RT AND 2 LT IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATION.
- DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT EACH OF BENTS 1 LEFT AND 2 RIGHT.
- 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.
- ABUTMENT SOIL REINFORCING DEVICE INSERTS - INCLUDE THE COST OF FURNISHING AND INSTALLING INSERTS FOR SOIL REINFORCING DEVICES AT ABUTMENT IN THE OVERALL BID SUBMITTED.
- FILL SETTLEMENT - PROTECT PILES DRIVEN AT BENTS 1 AND 2 FROM NEGATIVE SKIN FRICTION WHEN USED IN CONJUNCTION WITH MECHANICALLY STABILIZED EARTH WALLS, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS. DRIVE PILES AT END BENTS BEFORE WALL LEVELING PADS ARE CONSTRUCTED
- STANDARD PLAN MODIFICATION - MODIFY THE ENDPST STANDARD TO INCREASE THE NUMBER OF P401 AND P701 BARS TO PROVIDE 9 OF EACH BAR IN THE 8'-0" ENDPST AND 9 OF EACH BAR IN THE 8'-6" ENDPST.
- 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.
- RIDING QUALITY - THE FINISHED BRIDGE DECK AND APPROACH SLABS SHALL MEET THE RIDE QUALITY REQUIREMENTS AS SPECIFIED IN SUB-SECTION 500.3.06.E OF THE GEORGIA DOT SPECIFICATIONS.
- CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS "LF CH LK FENCE, ZC COAT, 6 FT, 9 GA".
- 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 TESTING. 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, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITIES		UNIT	PAY ITEM
	LEFT BRIDGE	RIGHT BRIDGE		
500-0100	459	581	SY	GROOVED CONCRETE
500-1006	LUMP	----	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 LT (196)
500-1006	----	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 RT (240)
500-2100	221	221	LF	CONCRETE BARRIER
500-3101	74	75	CY	CLASS A CONCRETE
507-9031	694	----	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 1 LT
507-9031	----	803	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO - 1 RT
511-1000	10084	10515	LB	BAR REINF STEEL
511-3000	LUMP	----	LS	SUPERSTR REINF STEEL, BR NO - 1 LT (38191)
511-3000	----	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 RT (46887)
520-0573	10	11	EA	H-PILE POINTS, HP 14 X 73
520-1147	1505	1467	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)
643-1152	217	216	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA

BRIDGE NO. 1 LT AND RT



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GEORGIA
DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES
 SE NEWNAN BYPASS OVER CENTRAL
 OF GEORGIA RAILROAD COMPANY
 COWETA COUNTY CSSTP-0007-00(694)

SCALE: NONE JANUARY 2014

DRAWING NO. 35-002	DESIGNED SAW	CHECKED KJK	REVIEWED DLC/WMD
BRIDGE SHEET 2 OF 16	DRAWN SAW	DESIGN GROUP EJC	APPROVED BFR

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