

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSSFT-0008-00(940)	72	114

WORK CONSISTS OF

CONCRETE MEDIAN BARRIER, BR. NO. 1 - BACK RIVER ..... SPECIAL DESIGN  
 CONCRETE MEDIAN BARRIER, BR. NO. 2 - LITTLE RIVER..... SPECIAL DESIGN  
 CONCRETE MEDIAN BARRIER, BR. NO. 3 - MACKAY RIVER..... SPECIAL DESIGN  
 CONCRETE MEDIAN BARRIER, BR. NO. 4 - FREDERICA RIVER..... SPECIAL DESIGN  
 BAR BENDING DETAILS ..... GA. STD. 3901(8-69)  
 CONCRETE BARRIERS-TEMPORARY ..... GA. STD. 4960 (5-10-07)  
 DETAILS OF PRECAST TEMPORARY BARRIERS..... GA. STD. 4961(9-8-06)

DESIGN DATA

CONCRETE: SUPERSTRUCTURE..... CLASS AA,  $f'_c = 3,500$  PSI  
 REINFORCEMENT STEEL: ..... GRADE 60,  $f_y = 60,000$  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  $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.  
 PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, IN ACCORDANCE WITH SECTIONS 510 AND 519 OF THE GEORGIA DOT SPECIFICATIONS.  
 TEMPORARY BARRIERS, METHOD 1 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NOS. 4960 AND 4961 TO PROVIDE FOR 2 - 12'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SECTION 620 OF THE GEORGIA DOT SPECIFICATIONS.  
 TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.  
 EXISTING BRIDGE PLANS - PLANS UNDER WHICH ORIGINAL BRIDGES WERE WIDENED OR REPLACED MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGES WERE WIDENED OR REPLACED UNDER PROJECT NUMBER BRFD-F-142-1(I) CT.II  
 DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.  
 EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.  
 EXISTING REINFORCEMENT - BEND EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. THOROUGHLY CLEAN EXISTING REINFORCEMENT OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.  
 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.  
 EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.  
 EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.  
 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 CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

PARTIAL DECK REMOVAL

PARTIAL DECK REMOVAL SHALL BE ACCOMPLISHED BY EITHER (A) HYDRODEMOLITION, OR (B) CONVENTIONAL METHODS.

(A) HYDRODEMOLITION: REQUIREMENTS FOR HYDRODEMOLITION ARE SET FORTH IN SPECIAL PROVISION 519 OF THE GEORGIA D.O.T. SPECIFICATIONS.

(B) CONVENTIONAL METHODS: CONTRACTOR MAY ELECT TO USE PNEUMATIC HAMMERS AND HAND TOOLS FOR PARTIAL DECK REMOVAL AND FOR AREAS OF THE DECK NOT ACCESSIBLE OR OTHERWISE CONVENIENT TO HYDRODEMOLITION EQUIPMENT. REMOVAL SHALL BE PERFORMED BY POWER CHIPPING OR HAND TOOLS. PNEUMATIC HAMMERS HEAVIER THAN 15 LBS CLASS (NOMINAL) (30 LBS MAXIMUM) ARE NOT PERMITTED. DO NOT OPERATE PNEUMATIC HAMMERS AND CHIPPING TOOLS AT ANGLE EXCEEDING 60 DEGREES RELATIVE TO THE SURFACE OF THE DECK SLAB.

GIVE EXISTING PORTION OF DECK TO BE REMOVED A MACHINE PREPARATION CONSISTING OF THE REMOVAL OF THE CONCRETE TO  $\frac{1}{2}$ " BELOW TOP MAT OF REINFORCING STEEL UNLESS OTHERWISE SHOWN IN THE PLANS

MEASUREMENT AND PAYMENT FOR THE PARTIAL DECK REMOVAL INCLUDING ALL MATERIALS AND LABOR TO REMOVE EXISTING PORTIONS OF DECK BY EITHER HYDRODEMOLITION OR CONVENTIONAL METHODS AS SPECIFIED ABOVE AND TO CLEAN AND PREPARE THE DECK SURFACE SHALL BE INCLUDED IN THE COSTS FOR PAY ITEM 500-2100, CONCRETE BARRIER, LINEAR FEET (LF).

MACKAY RIVER: PLACE NEW METHOD 1 TEMPORARY MEDIAN BARRIER IN ACCORDANCE WITH SECTION 620-TEMPORARY BARRIER OF THE GEORGIA DOT SPECIFICATIONS. NEW TEMPORARY MEDIAN BARRIER SHALL BECOME PROPERTY OF THE GEORGIA DOT AND SHALL REMAIN IN PLACE UPON PROJECT COMPLETION.

SUMMARY OF QUANTITIES

BRIDGE NO. 1 - BACK RIVER

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-2100	1645	LF	CONCRETE BARRIER
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR. NO. 1 (71,845)

BRIDGE NO. 2 - LITTLE RIVER

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-2100	566	LF	CONCRETE BARRIER
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR. NO. 2 (25,172)

BRIDGE NO. 3 - MACKAY RIVER

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
620-0100	2660	LF	TEMPORARY BARRIER, METHOD NO. 1

BRIDGE NO. 4 - FREDERICA RIVER

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-2100	1348	LF	CONCRETE BARRIER
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR. NO. 4 (63,236)

BRIDGE NO. 1, 2, 3 & 4



GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES  
 SR-25 SPUR EAST / TORRAS CAUSEWAY  
 GLYNN COUNTY CSSFT-0008-00(940)

SCALE: NO SCALE FEB. 2010

DESIGNED J.A.P. CHECKED R.D.B. REVIEWED W.M.D.  
 DRAWN G.D.Y. DESIGN GROUP APPROVED P.V.L.

DATE 5/9/10	REVISIONS
	REV. P. NO. / DATE
BY GSP	35- 01

