

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-M002-00 (113)	31	80

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 BRIDGE MAINTENANCE.

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 3/8 INCH UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 23'-0" ABOVE THE RAILROADS.

TRAFFIC CONTROLS - SEE SPECIAL PROVISIONS 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 EXISTING BRIDGE WAS BUILT UNDER PROJECT NUMBER U-013-1 (22) LOOP.

DIMENSIONS AND ELEVATIONS - ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

EPOXY RESIN ADHESIVE - EPOXY RESIN ADHESIVE TYPE II SHALL BE APPLIED 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. COST OF EPOXY ADHESIVE AND ITS APPLICATION SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

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 FOR STATE ROUTES WITH FOUR OR MORE LANES.

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 OF EXISTING BRIDGE MATERIALS - EXISTING HANDRAIL SHALL BE SALVAGED, DISASSEMBLED, AND TRANSPORTED BY THE CONTRACTOR TO THE JACKSON COUNTY MAINTENANCE HEADQUARTERS. UNLOADING OF THE SALVAGED COMPONENTS WILL BE PERFORMED BY GEORGIA DEPARTMENT OF TRANSPORTATION PERSONNEL. THE DISTRICT MAINTENANCE ENGINEER SHALL BE GIVEN ONE WEEK NOTICE PRIOR TO DELIVERY.

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.

REMOVAL OF PARTS OF EXISTING BRIDGE - COST FOR REMOVAL OF PARTS OF EXISTING DECK SLAB, EDGE BEAMS, ENDWALLS, APPROACH SLABS AND BARRIER SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 540 REMOVAL OF PARTS OF EXISTING BRIDGE.

ENDWALL RECONSTRUCTION - TEMPORARY SHORING AND EXCAVATION NECESSARY FOR REMOVAL AND RECONSTRUCTION OF ENDWALLS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

GUARDRAIL - ALL GUARDRAIL INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH GEORGIA DOT STANDARDS. STANDARD BRIDGE GUARDRAIL CONNECTIONS SHALL BE PROVIDED AT ALL ENDPOSTS.

EXISTING SHEAR CONNECTORS - EXISTING SHEAR CONNECTORS DAMAGED DURING REMOVAL OF THE EXISTING DECK SHALL BE REPLACED. REPLACEMENT CONNECTORS SHALL BE EQUAL SIZE, MATERIAL STRENGTH, AND SPACING OF EXISTING CONNECTORS. THIS WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BRIDGE JOINTS - ALL BRIDGE JOINTS SHALL BE SEALED IN ACCORDANCE WITH SECTION 449 OF THE GEORGIA DOT SPECIFICATIONS. COST FOR BRIDGE JOINTS SHALL BE INCLUDED IN THE PRICE BID FOR SUPERSTR CONCRETE.

ELECTRICAL CONDUIT - THE EXISTING ELECTRICAL CONDUIT SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION.

PAINTING - ANY DAMAGE TO THE PAINT OF THE EXISTING STRUCTURAL STEEL SHALL BE REPAIRED USING SYSTEM VI PAINT SYSTEM. ALL PAINTING SHALL BE IN ACCORDANCE WITH SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. THE COST OF PAINTING SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

BACKFILL OF APPROACH SLAB - THE CONTRACTOR SHALL BACKFILL ANY VOIDS UNDER THE APPROACH SLABS IN ORDER TO MEET SUBGRADE REQUIREMENTS AND ELEVATIONS PRIOR TO PLACING THE APPROACH SLAB SUBBASE. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	3991	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO-1 (1888)
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-1 (432980)
516-1100	1366	LF	ALUM HANDRAIL, STD 3626
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BR, BR NO-1

CONSTRUCTION SEQUENCE

1. PLACE TEMPORARY TRAFFIC CONTROL MEASURES. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING BRIDGE.
2. REMOVE PORTIONS OF EXISTING DECK AND APPROACH SLABS AS NECESSARY FOR PHASE I CONSTRUCTION.
3. COMPLETE PHASE I DECK, SIDEWALKS, BARRIER, AND APPROACH SLABS.
4. MOVE TEMPORARY TRAFFIC CONTROL MEASURES. SHIFT AND MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON PHASE I SECTION.
5. REMOVE PORTIONS OF EXISTING DECK AND APPROACH SLABS AS NECESSARY FOR PHASE II CONSTRUCTION.
6. COMPLETE PHASE II DECK, SIDEWALKS, BARRIER, AND APPROACH SLABS.
7. CONSTRUCT PHASE III MEDIAN.
8. REMOVE TEMPORARY TRAFFIC CONTROL MEASURES.

NOTE: THE ABOVE SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS. ***SEE ROADWAY PLANS*** IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT, FOR APPROVAL BY THE ENGINEER, HIS OWN CONSTRUCTION SEQUENCE.

DESIGN DATA

SPECIFICATIONS ----- AASHTO 1996 INCLUDING 1997 THROUGH 2002 INTERIMS
 TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT INCLUDED
 FUTURE PAVING ALLOWANCE ----- NONE
 CONCRETE: SUPERSTRUCTURE ----- CLASS AA, f_c = 3,500 PSI
 REINFORCEMENT STEEL ----- GRADE 60, f_y = 60,000 PSI

BRIDGE CONSISTS OF

- 10 - SPANS - REINF. CONC. DECK REPLACEMENT ----- SPECIAL DESIGN
- 4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
 (L = 4'-0"; W = 1'-1"; H = 3'-6")
 (L = 4'-6"; W = 1'-1"; H = 3'-6")
- ONE PIPE ALUMINUM HANDRAILING ----- GA. STD. 3626 (10-22-85)
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (10-20-97)

EXISTING UTILITIES

ELECTRICAL CONDUIT ----- UNDERSIDE BRIDGE LIGHTING

BRIDGE NO. 1

JBT J.B. TRIMBLE, INC.
 6445 Powers Ferry Rd.
 Atlanta GA 30339
 (770) 952-1022

GEORGIA
DEPARTMENT OF TRANSPORTATION
 OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT I BRIDGE REPAIR
 S.R. 53 CONNECTOR OVER NORFOLK SOUTHERN
 RAILWAY AND CSX TRANSPORTATION
 GENERAL NOTES

HALL COUNTY STP-M002-00 (113)

SCALE: AS SHOWN OCTOBER 2003

BRIDGE SHEET 2 OF 9	BY	DATE	DESIGNED ARK	CHECKED GLE	REVIEWED EHG
			DRAWN ITD	DESIGN GROUP MAINTENANCE	APPROVED STH