

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-M002-00 (113)	39	80

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	1260	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO-2 (462)
501-3000	LUMP	LS	STR STEEL, BR NO-2 (13300)
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-2 (107020)
516-1100	531	LF	ALUM HANDRAIL, STD 3626
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BR, BR NO-2

DESIGN DATA

SPECIFICATIONS ----- AASHTO 1996 INCLUDING 1997 THROUGH 2002 INTERIMS (DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

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

- 6 - SPANS - REINF. CONC. DECK REPLACEMENT ----- SPECIAL DESIGN
- 4 - END POST AND GUARD RAIL ATTACHMENT DETAIL GA. STD. 3054 (9-30-02) (L = 4'-0"; W = 1'-1"; H = 3'-6")
- TWO PIPE ALUMINUM HANDRAILING ----- GA. STD. 3632 (7-68)
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (10-20-97)

ADDITIONAL ROADWAY STANDARDS

REINF. CONC. APPROACH SLAB - 30 FT. ----- GA. STD. 9017-K (6-85)

EXISTING UTILITIES

- 4" GAS MAIN ----- ATLANTA GAS LIGHT COMPANY
- 4" TELEPHONE CONDUIT ----- ALTELL
- 2 - 8" WATER MAIN ----- CITY OF CLARKESVILLE
- 4" EXIST. SEWER MAIN ----- CITY OF CLARKESVILLE

EXISTING BRIDGE SERIAL NO. 137-0019-0
 EXISTING BRIDGE ID NO. 137-00197D-004.84N
 PROJECT PI NO. M002113

BRIDGE NO. 2

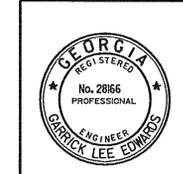
JBT J.B. TRIMBLE, INC.
 6445 Powers Ferry Rd.
 Atlanta GA 30339
 (770) 952-1022

GEORGIA
DEPARTMENT OF TRANSPORTATION
 OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT 1 BRIDGE REPAIR
 S.R. 197 OVER SOQUE RIVER
 PLAN AND ELEVATION

HABERSHAM COUNTY STP-M002-00 (113)

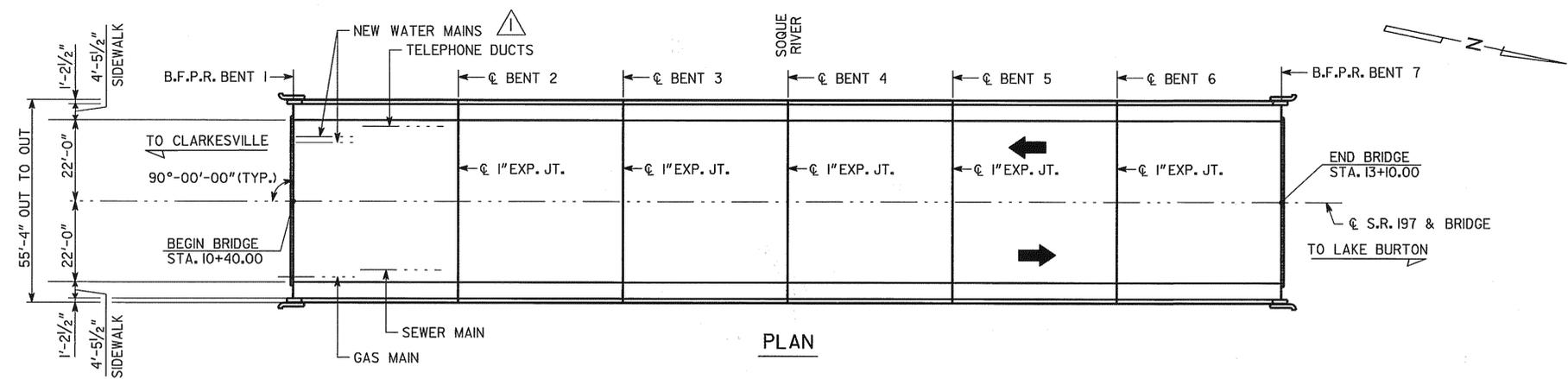
SCALE: AS SHOWN OCTOBER 2003



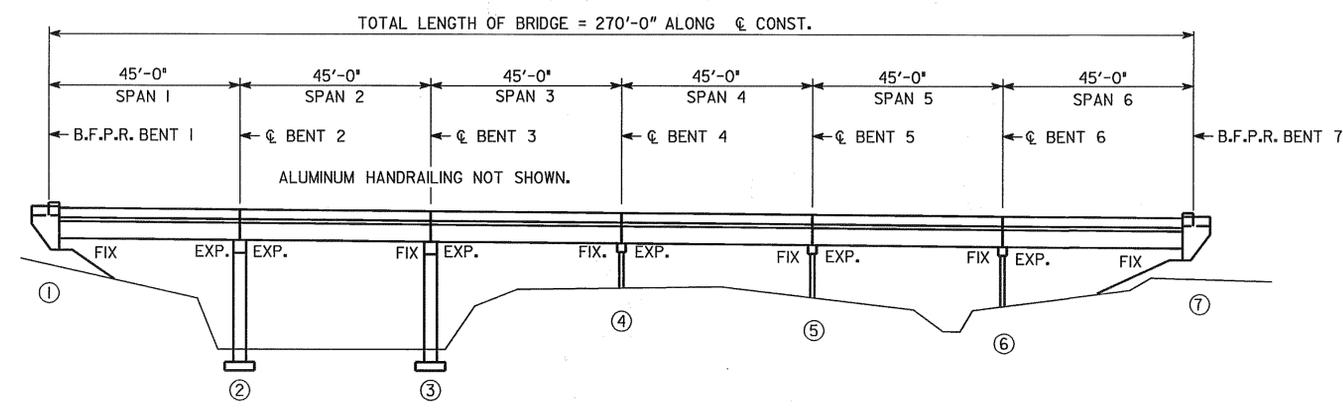
BRIDGE SHEET
1 OF 4

DATE	1-21-04
REVISIONS	
UTILITIES / BARS	
BY	GLE

DESIGNED PJC	CHECKED GLE	REVIEWED EHG
DRAWN ITD	DESIGN GROUP MAINTENANCE	APPROVED STH



PLAN



ELEVATION

GRADE DATA
 (FROM EXISTING BRIDGE PLANS)

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 3/4 INCH UNLESS OTHERWISE NOTED.
- TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, 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 S.0880(1).
- 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.
- UTILITY HANGERS - INSERTS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. INSERTS SHALL BE GRINNELL FIGURE 282 OR APPROVED EQUAL. COST OF FURNISHING AND INSTALLING INSERTS SHALL BE INCLUDED IN OVERALL BID SUBMITTED. ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER.
- WATER MAIN ATTACHMENT - WATER MAIN PIPE, ROLLERS, KEEPER PLATES AND SECURITY ROD SHALL BE FURNISHED AND INSTALLED BY THE UTILITY OWNER. ALL OTHER COMPONENTS NECESSARY FOR THE ATTACHMENT, INCLUDING THE DOUBLE CHANNEL SUPPORTS, FILL PLATES, GUSSET PLATES, AND THE STEEL CASING THAT IS REQUIRED AT THE BRIDGE ENDS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND THE COST SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.
- EXISTING SEWER MAIN - EXISTING SEWER MAIN SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT AT ENDWALLS TO BE REMOVED AND INSTALL NEW CONNECTIONS TO THE NEW ENDWALLS. ALL COMPONENTS NECESSARY FOR TEMPORARY SUPPORT AND REATTACHMENT OF THE MAIN TO THE NEW ENDWALLS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE COST FOR THIS WORK 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.
- EXISTING SHEAR CONNECTORS - EXISTING SHEAR CONNECTORS SHALL BE REMOVED AND REPLACED AS SHOWN. COST FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR STRUCTURAL STEEL.
- 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 CLEANING AND BENDING OF EXISTING REINFORCEMENT, 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.
- 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.
- 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.