

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M002-00(789)	77	116

**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. 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 16'-9" ABOVE S.R. 225.

CONCRETE REMOVAL - SEE SPECIAL PROVISIONS

CONCRETE OVERLAY - SEE SPECIAL PROVISION - SECTION 519 - FAST TRACK PORTLAND CEMENT CONCRETE OVERLAYS WITH HYDRODEMOLITION.

TRAFFIC CONTROLS - SEE ROADWAY PLANS 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 ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER 1-75-3 (17) 325 AND WAS WIDENED UNDER PROJECT NUMBER ID-75-3 (101) AND IR-75-3 (154) CT.2.

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.

EXISTING REINFORCEMENT - EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION SHALL BE BENT IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. EXISTING REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.

GROOVED CONCRETE - THE ENTIRE LENGTH OF THE BRIDGE AND CONCRETE OVERLAY ON THE APPROACH SLABS 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.

EXISTING BRIDGE JOINTS - EXISTING BRIDGE JOINTS SHALL BE CLEANED OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEALED USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449 OF THE GEORGIA DOT SPECIFICATIONS. COST OF MATERIALS AND INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEM 449.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

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

CONCRETE CRACKS - CRACKS IN THE CONCRETE OVERLAY SURFACE SHALL BE SEALED IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO GROOVING. COST SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEM 528 - EPOXY SEALING OF CONCRETE CRACKS.

EROSION CONTROL - EROSION CONTROL ITEMS REQUIRED BY THE ENGINEER TO FILTER RUN-OFF FROM HYDRO-DEMOLITION OPERATIONS SHALL BE FURNISHED, INSTALLED, MAINTAINED AND REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR APPROVAL, PRIOR TO BEGINNING CONSTRUCTION. COST SHALL BE INCLUDED IN THE PRICE BID FOR CONCRETE OVERLAY.

APPROACH SLABS - ALL SPALLS IN THE APPROACH SLABS SHALL BE REPAIRED IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO PLACING ASPHALT OVERLAY AS SHOWN IN THE ROADWAY PLANS. COST SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEM 521 - PATCHING CONCRETE BRIDGE DECK.

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

**DESIGN DATA**

SPECIFICATIONS ..... AASHTO 1996 WITH 1997 THROUGH 2002 INTERIMS

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

CONCRETE: DECK SLAB..... 24 HOUR ACCELERATED STRENGTH  $f_c = 3,500$  PSI  
 EDGE BEAMS..... 24 HOUR ACCELERATED STRENGTH  $f_c = 3,500$  PSI  
 DECK OVERLAY... 24 HOUR ACCELERATED STRENGTH  $f_c = 3,500$  PSI

REINFORCEMENT STEEL ..... GRADE 60,  $f_y = 60,000$  PSI

STRUCTURAL STEEL ..... ASTM A709, GRADE 36

**SUMMARY OF QUANTITIES**

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1620	184	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-3, BENT NO-1
449-1620	183	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-3, BENT NO-2
449-1620	179	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-3, BENT NO-3
449-1620	180	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-3, BENT NO-4
500-0100	2365	SY	GROOVED CONCRETE
501-3000	LUMP	LS	STR. STEEL, BR NO-3 (10600)
504-0600	228	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-3 (50960)
519-0400	1410	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
521-1000	415	SF	PATCHING CONCRETE BRIDGE DECK
528-0750	1650	LF	EPOXY SEALING OF CONCRETE CRACKS
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BR, BR NO-3

BRIDGE NO. 3 LT. & RT.

**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 6 BRIDGE REPAIR  
 I-75 OVER SR 225  
 GENERAL NOTES

GORDON COUNTY NHS-M002-00(789)

SCALE: NO SCALE U.O.N. APRIL 2005

BRIDGE SHEET  
 2 OF 7

REVISIONS	DATE
BY GLE	08-10-05
PAINTING REMOVED	

DESIGNED PJC	CHECKED GLE	REVIEWED WMD
DRAWN ITD	DESIGN GROUP MAINTENANCE	APPROVED BKS