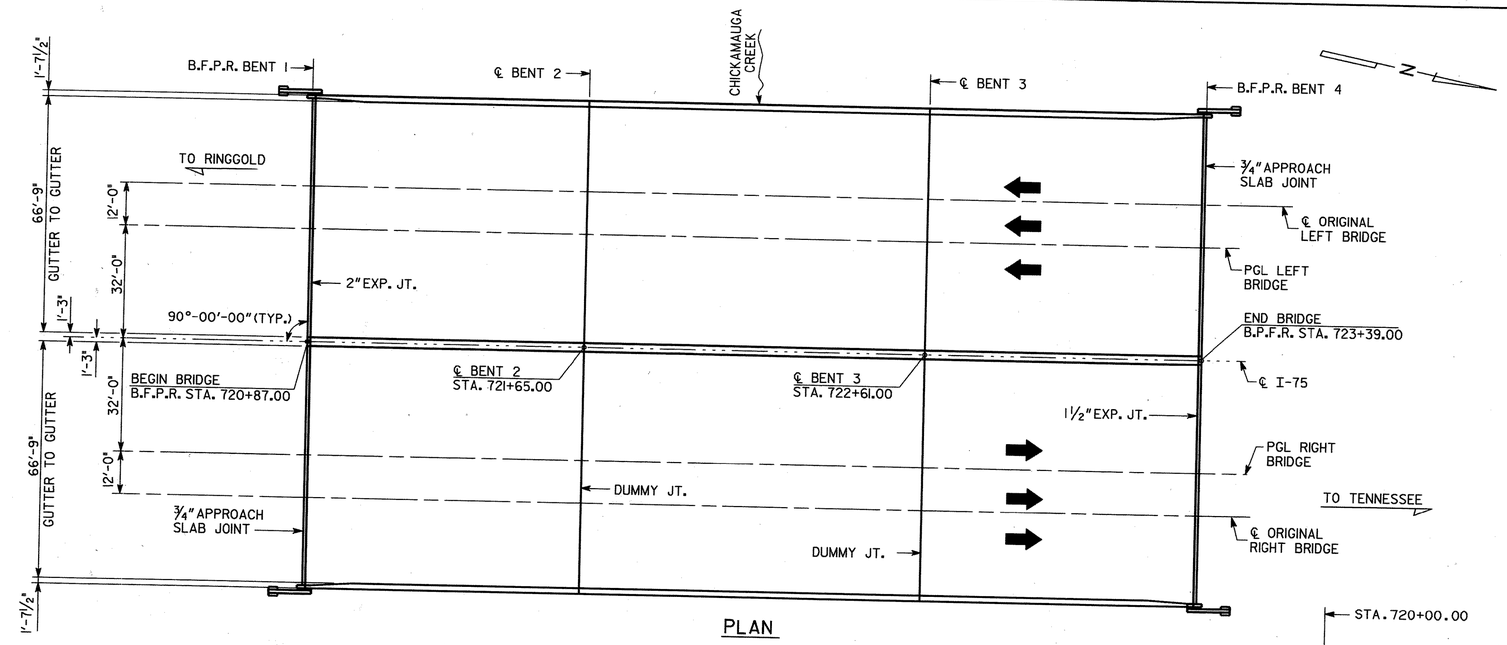
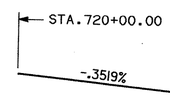
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00 (992)	27	28

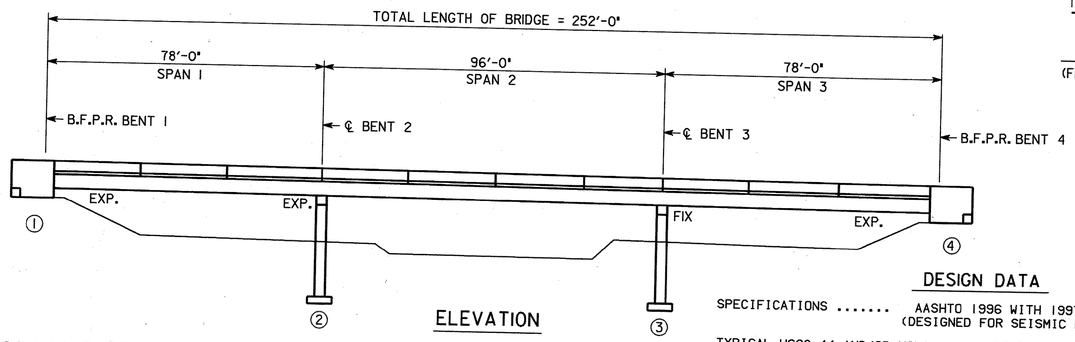


PLAN



GRADE DATA

(FROM EXISTING BRIDGE PLANS)



ELEVATION

WORK CONSISTS OF

1. REMOVAL OF THE EXISTING CONCRETE DECK TO ½" BELOW THE BOTTOM OF THE TOP MAT OF REINFORCING STEEL AND REPLACEMENT WITH A NEW CONCRETE OVERLAY. ALL EXISTING REINFORCING STEEL EXPOSED DURING DECK REMOVAL SHALL REMAIN IN PLACE.
2. MODIFICATION OF EXISTING BACKWALL HEADERS AT BENTS 1 & 4.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1620	275	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT NO-1
449-1620	275	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT NO-4
△1 500-0100	3646	SY	GROOVED CONCRETE
504-0600	9	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC, BR NO-2
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-2 (500)
△2△1 519-0400	3646	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
△1 521-1000	500	SF	PATCHING CONCRETE BRIDGE DECK
△1 528-0750	4180	LF	EPOXY SEALING OF CONCRETE CRACKS
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BR, BR NO - 2

DESIGN DATA

SPECIFICATIONS ..... AASHTO 1996 WITH 1997 THROUGH 2002 INTERIMS (DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

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

24 HOUR ACCELERATED STRENGTH CONCRETE..... f'c = 3,500 PSI

REINFORCEMENT STEEL ..... GRADE 60, FY = 60,000 PSI

GENERAL NOTES (CON'T)

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.

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 OVER-ALL BID SUBMITTED.

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

BACKWALL HEADERS - EXISTING BACKWALL HEADERS AT BENTS 1 AND 4 SHALL BE REPLACED. CONCRETE FOR THIS WORK SHALL BE 24 HOUR ACCELERATED STRENGTH.

EXISTING BRIDGE JOINTS - EXISTING BRIDGE TRANSVERSE DUMMY JOINTS SHALL BE CLEANED OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEALED USING BOND BREAKER AND SILICONE SEALANT (TYPE D) AS PER SUB-SECTION 461.3.05 OF THE GEORGIA DOT SPECIFICATIONS. COST OF MATERIAL AND INSTALLATION SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

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 ¾ INCH UNLESS OTHERWISE NOTED.

CONCRETE REMOVAL - SEE SPECIAL PROVISIONS.

CONCRETE OVERLAY - SEE SPECIAL PROVISION - SECTION 519 -"FAST TRACK BRIDGE DECK CONVENTIONAL CONCRETE OVERLAY".

PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE, TO PREVENT DEBRIS AND MATERIALS FROM ENTERING THE WATERWAY. SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS.

TRAFFIC CONTROLS - SEE ROADWAY PLANS AND 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 ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER I-75-3(6)361 AND WAS WIDENED UNDER PROJECT NUMBERS ID-75-3(103) & IR-75-3(153).

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.

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. CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING SUB-CONTRACTOR, APRROVED BY THE GEORGIA DOT, TO PERFORM THE RIDING QUALITY TESTING.

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

△1 APPROACH SLABS - ALL SPALLS IN THE APPROACH SLABS SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO PLACING ASPHALT OVERLAY. COST SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEM 521- PATCHING CONCRETE BRIDGE DECK.

△1 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.

EXISTING BRIDGE SERIAL NO.	047-0045-0
EXISTING BRIDGE ID NO.	047-0040ID-354.64N
PROJECT PI NO.	M001992

BRIDGE NO. 2

REVISIONS	BY	DATE
△2 PAY ITEM/ QUAN./ NOTES	GLE	9-30-03
△1 PAY ITEM	GLE	10-07-03

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 (DECK OVERLAY)

I-75 OVER CHICKAMAUGA CREEK

CATOOSA COUNTY NHS-M001-00 (992)

SCALE: AS SHOWN AUGUST 2003

BRIDGE SHEET 1 OF 2

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

C:\DGN\313029\175KKC\75CCPE.DGN 6-19-03 ITD

2/20/2008 9:33:45 AM \\GDOT-DSN1\GOPLOT\QCF\Road Design Tiff-18x12 to Tiff-36x24.qcf wguyen C:\Documents and Settings\wguyen\Desktop\M001992\Construction\Revision\Revision\M001992_0027.TIF GO-RD-Plans-Review