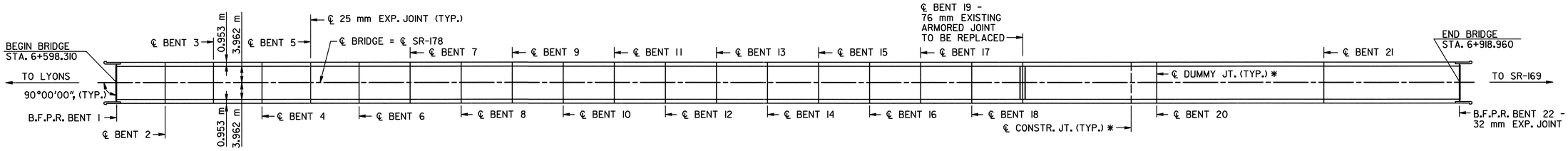
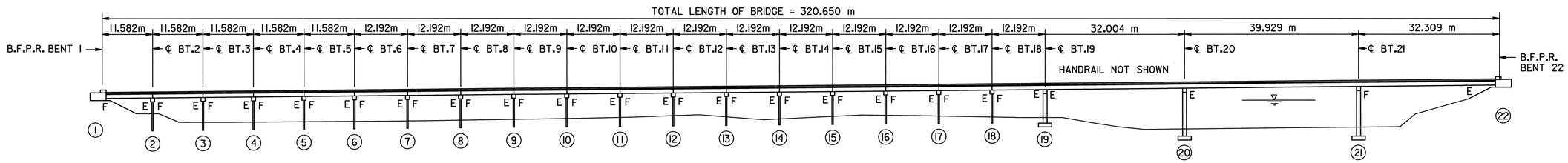
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-M000-00 (334)	24	33



* CLEAN AND RESEAL. NOTE: ALL CONSTRUCTION JOINTS NOT SHOWN.

PLAN



ELEVATION

NOTE :
LC, CC, X-L, EVA, PG, N-B SEAL =
LOW-DENSITY, CLOSED CELL,
X-LINKED, ETHYLENE VINYL ACETATE,
POLYETHYLENE COPOLYMER,
NITROGEN-BLOWN SEAL

GENERAL NOTES

METRIC PLANS - THESE PLANS ARE DETAILED USING THE METRIC (SI) SYSTEM OF UNITS. DIMENSIONS SHOWN IN THE PLANS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED. ELEVATIONS ARE IN METERS. REINFORCING BARS IN METRIC SIZE DESIGNATIONS SHOWN SHALL BE PROVIDED AS PER ASTM A 615M. IN THE BAR MARK, THE FIRST TWO DIGITS ARE THE METRIC SIZE (I.E., BAR #1314 IS A NO. #13 METRIC SIZE BAR).

SPECIFICATIONS- GEORGIA STANDARD SPECIFICATIONS, 1995 METRIC EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA STANDARD SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

TRAFFIC CONTROLS - SEE SPECIAL PROVISIONS AND MAINTAINANCE OF TRAFFIC PLANS FOR REQUIRED TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - PLANS FOR THE EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE EXISTING BRIDGE WAS BUILT UNDER G.D.O.T. PROJECT NUMBER RAB(4)SP1815(1) TATTNALL CO.

EXISTING ARMORED JOINTS - EXISTING ARMORED JOINTS SHALL BE REMOVED AND REPLACED WITH ELASTOMERIC PROFILE BRIDGE JOINT SEALS, SEE SPECIAL PROVISION 443.

EXISTING BRIDGE JOINTS - EXISTING BRIDGE TRANSVERSE CONSTRUCTION AND 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 461.03 OF THE GEORGIA STANDARD SPECIFICATIONS. COST OF MATERIALS AND INSTALLATION SHALL BE INCLUDED IN THE OVERAL BID SUBMITTED.

EXISTING BRIDGE JOINTS - EXISTING 25 mm AND 32 mm BRIDGE JOINTS SHALL BE CLEANED OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND REPLACED AS PER SPECIAL PROVISION 449.

WELDING CERTIFICATION - ALL WELDING ON GEORGIA D.O.T. PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE GEORGIA D.O.T. 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 STRUCTURES 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 EXISTING REINFORCEMENT, EPOXY RESIN ADHESIVE, DRILLING HOLES IN EXISTING BEAMS, AND OTHER ITEMS NECESSARY TO COMPLETE THE WORK.

REMOVAL OF EXISTING BRIDGE - COST OF REMOVAL, RECONSTRUCTION, AND MODIFICATION OF THE EDGE BEAMS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 540 REMOVAL OF PARTS OF EXISTING BRIDGE.

SHOP DRAWINGS - ALL SHOP DRAWINGS FOR THIS BRIDGE SHALL BE DETAILED IN THE METRIC (SI) SYSTEM OF UNITS.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
443-1000	1	EA	ELASTOMERIC PROFILE BRIDGE JOINT SEALS, BR NO - 5, BENT NO - 19
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 1
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 2
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 3
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 4
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 5
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 6
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 7
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 8
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 9
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 10
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 11
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 12
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 13
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 14
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 15
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 16
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 17
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 18
449-1620	10	m	LD, CC, X-L, EVA, PC, N-B SEAL, BR NO - 5, BENT NO - 22
461-2000	118	m	RESEALING BRIDGE JOINTS, TYPE D
504-0600	5	m^3	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONCRETE, BR NO - 5
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 5 (800)
540-1202	LUMP	LS	REMOVAL OF PARTS OF EXISTING BR, BR NO - 5

WORK CONSISTS OF

REMOVAL OF EXISTING ARMORED JOINTS AND EDGE BEAMS AND REPLACEMENT WITH NEW CONCRETE EDGE BEAMS AND DECK JOINTS. CLEAN AND RESEAL OTHER DECK JOINTS.

DESIGN DATA FOR EDGE BEAMS

SPECIFICATIONS ..... AASHTO 1996
TYPICAL MS-18 AND/OR MILITARY LOADING ..... IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ..... 1.44 kN/m^2
24 HOUR ACCELERATED CONCRETE ..... f'c = 25 MPa
REINFORCEMENT STEEL ..... GRADE 420, fy = 420 MPa

P.V.I. STA. 6+553.200
EL. 22.783
+0.9375%

GRADE DATA
(FROM EXISTING BRIDGE PLANS)

EXISTING BRIDGE SERIAL NO.	267-0026-0
EXISTING BRIDGE ID NO.	267-00178D-009.76E
PROJECT PI NO.	511370

BRIDGE NO. 5

J.B. TRIMBLE, INC.
5075 Roswell Rd.
Atlanta GA 30342
(404) 843-8171

GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT 5 BRIDGE REPAIRS
(JOINT REPLACEMENT)
SR-178 OVER OHOOPEE RIVER

TATTNALL CO. STP-M000-00 (334)

GEORGIA REGISTERED No. 16685 PROFESSIONAL ENGINEER SAMUEL L. POWELL
2-18-00

BY	REVISIONS	DATE

SCALE: NONE FEBRUARY 2000

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

BRIDGE SHEET 1 OF 4

C:\DGN\8923\7\34\GDM72 5PE.DGN 2-18-00 ITD