

REHABILITATED BRIDGE CONSISTS OF

DECK REMOVAL AND OVERLAY ----- SPECIAL DESIGN

WORK CONSISTS OF

1. REMOVAL OF EXISTING CONCRETE DECK TO 1/2" BELOW THE BOTTOM OF REINFORCING STEEL. REPLACE WITH CONCRETE OVERLAY. EXISTING DECK REINFORCEMENT TO REMAIN. ANY REINFORCING STEEL DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. CLEANING AND RESEALING EXPANSION JOINTS AT BENTS 1-4.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITIES		PAY ITEM
	LEFT BRIDGE	UNIT	
449-1620	99	LF	LOW-DENSITY, CLOSED-CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT 1
449-1620	95	LF	LOW-DENSITY, CLOSED-CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT 2
449-1620	97	LF	LOW-DENSITY, CLOSED-CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT 3
449-1620	104	LF	LOW-DENSITY, CLOSED-CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BENT 4
500-0100	1492	SY	GROOVED CONCRETE
519-0400	1492	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
528-0750	650	LF	EPOXY SEALING OF CONCRETE CRACKS

DESIGN DATA

SPECIFICATIONS ----- AASHTO 2002
 (DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
 TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED
 CONCRETE: CONCRETE OVERLAY ----- 24 HOUR ACCELERATED STRENGTH $f_c = 3,500$ PSI
 REINFORCEMENT STEEL: ----- GRADE 60, $f_y = 60,000$ PSI

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 3/4 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 21'-8" ABOVE CSX TRANSPORTATION, INC..

TRAFFIC CONTROLS - TRAFFIC LANES SHALL BE AS SHOWN ON THE CONSTRUCTION SEQUENCE.

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 NO. 1-75-1(22)118 AND WAS WIDENED UNDER PROJECT NUMBER 1R-75-1(155)CT.2.

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 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 SHIELD METAL ARC WELDING.

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 TO BE INCLUDED WITH INCIDENTAL ITEMS.

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 PLANS TO THE ENGINEER FOR APPROVAL, PRIOR TO BEGINNING CONSTRUCTION.

PAINT - ANY DAMAGE TO THE PAINT ON 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 SPECIFICATION. THE COST OF PAINTING SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

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

THE CONTRACTOR SHALL FURNISH POLICE OFFICERS AND APPROPRIATE VEHICLES TO ASSIST DURING NIGHTTIME OPERATIONS. COST SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL - WORKZONE LAW ENFORCEMENT (CONTRACTOR BIDS).

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.

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

CONCRETE REMOVAL - SEE SPECIAL PROVISIONS.

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

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

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

TRAFFIC DATA - LEFT BRIDGE

TRAFFIC ----- ADT = 20,300 (2002)
 ----- ADT = 30,450 (2022)
 ----- DHV = 3,045 (2022)
 ----- 70 MPH
 DESIGN SPEED -----
 TRUCKS ----- 35 %
 DIRECTIONAL ----- 100 %

UTILITIES

NONE

BRIDGE NO. 2 LT

 Heath & Lineback Engineers INCORPORATED 12 POWDER SPRINGS STREET, SUITE 240 MARIETTA, GEORGIA 30064		GEORGIA DEPARTMENT OF TRANSPORTATION OPERATIONS DIVISION-OFFICE OF MAINTENANCE	
		GENERAL NOTES DISTRICT 3 BRIDGE DECK REHABILITATION I-75 OVER NORFOLK SOUTHERN CORPORATION DOOLY COUNTY CSNHS-M002-00(783)	
SCALE: NO SCALE		AUGUST 2005	
DESIGNED LAV DRAWN LAV	CHECKED FRB DESIGN GROUP	REVIEWED GBL APPROVED	BRIDGE SHEET 2 OF 5

DATE	07-23-06
REVISIONS	
BY	FRB
GENERAL REVISIONS	