

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	M004206	17	28

WORK CONSISTS OF

1. REMOVE ASPHALT OVERLAY ON BRIDGE.
2. CONCRETE DECK OVERLAY USING HYDRO-DEMOLITION.
3. REPLACEMENT OF EXPANSION JOINTS WITH EVAZOTE SEAL AT BENTS 2, 3 AND 4.
4. REPAIR CONCRETE CRACKS BY EPOXY PRESSURE INJECTION ON SUBSTRUCTURE AND SUPERSTRUCTURE.
5. REPAIR OF CONCRETE SPALLS ON SUBSTRUCTURE AND SUPERSTRUCTURE.
6. REPLACE EXISTING APPROACH SLAB.

DESIGN DATA

SPECIFICATIONS ----- AASHTO 17TH EDITION, 2002
 TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED
 FUTURE PAVING ALLOWANCE ----- 0 LBS PER SQ FT
 CONCRETE: DECK OVERLAY ----- CLASS AA, $f_c = 4,000$ PSI
 REINFORCEMENT STEEL: ----- GRADE 60, $f_y = 60,000$ PSI

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - GA. STD. 9102 SHALL BE USED TO DIVERT TRAFFIC ON BRIDGE.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER G-2-62 AND WAS WIDENED UNDER PROJECT NUMBER ACF-065-3(20).

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II 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. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

EXISTING REINFORCEMENT - EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION SHALL BE THOROUGHLY CLEANED OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION 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 DOT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS 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.

WORKING DRAWINGS - SUBMIT SHOP DRAWINGS FOR REVIEW TO THE BRIDGE MAINTENANCE UNIT.

SPALL REPAIRS - REPAIR ALL SPALLS IN THE CAP AND COLUMNS IN ACCORDANCE WITH SECTION 521 OF THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER. INCLUDE THE COST IN THE PRICE BID FOR PAY ITEM 521 - PATCHING CONCRETE BRIDGE.

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.

EXISTING GUARDRAIL - PART OF THE EXISTING GUARDRAIL EACH SIDE OF THE ROAD AT BOTH APPROACHES SHALL BE REMOVED AND REPLACED AND DISPOSED OF BY THE CONTRACTOR. CONTRACTOR TO INSTALL THE "T" AND "W" BEAM GUARDRAIL IN ACCORDANCE WITH GA. STD. 4012C. TIE PROPOSED GUARDRAIL TO EXISTING AS SHOWN ON PLANS.

REMOVAL OF EXISTING PAVEMENT - INCLUDE THE COST FOR REMOVAL OF EXISTING PAVEMENT AS NECESSARY TO CONSTRUCT NEW APPROACH SLABS IN THE PRICE BID FOR ITEM 610-2705, REMOVAL OF CONCRETE APPROACH SLAB.

ROADWAY QUANTITIES - FOR SUMMARY OF ROADWAY QUANTITIES, SEE DRAWING NO. 9-01.

THE ASPHALT MILLINGS - THE CONTRACTOR SHALL DELIVER AND UNLOAD THE ASPHALT MILLINGS TO GDOT - DAWSON COUNTY MAINTENANCE BARN, LOCATED AT 1604 HWY. 53 EAST, DAWSONVILLE, GEORGIA 30534. CONTACT RANDALL CARLAN, ASSISTANT AREA ENGINEER - MAINTENANCE AT (770) 535-5759 A MINIMUM OF 48 HOURS PRIOR TO DELIVERY. THE COSTS OF THE STORAGE, DELIVERY, AND UNLOADING SHALL BE INCLUDED IN PROJECT OVERALL BID PRICE.

SUMMARY OF BRIDGE QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
△ 449-1620	44	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BT NO - 2
△ 449-1620	44	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BT NO - 3
△ 449-1620	44	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-2, BT NO - 4
500-0100	1204	SY	GROOVED CONCRETE
△ 519-0400	1262	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
521-3000	8	SF	PATCHING CONCRETE BRIDGE
△ 528-0500	LUMP	LS	EPOXY PRESSURE INJECTION OF CONCRETE CRACKS, BR NO - 2
603-2012	400	SY	STN DUMPED RIP RAP, TP 1, 12 IN.
603-7000	400	SY	PLASTIC FILTER FABRIC

BRIDGE NO. 2



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GEORGIA
 DEPARTMENT OF TRANSPORTATION
 ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES
 BRIDGE REHAB ON SR 53
 OVER AMICALOLA CREEK
 DAWSON COUNTY M004206

SCALE: MARCH 2011

DRAWING NO. 35 - 10	BY AS	DATE 04-05-11	DESIGNED DVW	CHECKED AS	REVIEWED CBB
BRIDGE SHEET 2 OF 6	AS		DRAWN RTJ	DESIGN GROUP BMU	APPROVED MLC

1 INCH WHEN PRINTED FULL SIZE