

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION, 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 3/8" UNLESS OTHERWISE NOTED.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE OBTAINED ON THE GEORGIA DOT WEBSITE AT:
[HTTP://WWW.DOT.GA.GOV/BS/PROJECTS/PROJECTSEARCH](http://www.dot.ga.gov/bs/projects/projectsearch)

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

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.

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

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 OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX "EXCLUDING E7014 AND E7024" LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - ND MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

SEQUENCE OF OPERATION - STAGE CONSTRUCTION WILL BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. SEE "SPECIAL PROVISION SECTION 150 - TRAFFIC CONTROL".

SPALL REPAIRS - REPAIR SPALLS IN ACCORDANCE WITH SECTION 521 OF THE SPECIAL PROVISIONS. SPALL REPAIR SHALL BE DIRECTED BY THE ENGINEER.

POLYMER OVERLAY - THE ENTIRE SURFACE AREA OF THE BRIDGE DECK SHALL BE OVERLAYED WITH A TWO-PART POLYMER BRIDGE DECK OVERLAY. THE SURFACE PREPARATION AND OVERLAY SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SECTION 519 OF THE SPECIAL PROVISIONS.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING PREFORMED SILICONE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

CONSTRUCTION SEQUENCE

△ ALL SUPERSTRUCTURE REPAIR WORK TO BE COMPLETED UNDER THE THREE 56-HOUR BRIDGE CLOSURES. CONSTRUCTION SEQUENCE SHALL INCLUDE, AT MINIMUM, THE FOLLOWING:

- 1- SEAL THE DECK USING A TWO-POLYMER OVERLAY SYSTEM, ACCORDING TO GDOT SPECIAL PROVISIONS SECTION-519 "TWO -PART POLYMER BRIDGE DECK OVERLAY"
- 2- INSTALL PREFORMED SILICONE JOINTS ACCORDING TO GDOT SPECIAL PROVISIONS - SECTION-449 "BRIDGE DECK JOINT SEALS"
 - SAW-CUT THE CONCRETE DECK, IF NECESSARY, TO PROVIDE ACCEPTABLE ATTACHMENT SURFACE FOR THE JOINT SEAL
 - LIGHTLY SANDBLAST THE JOINT TO REMOVE ALL RESIDUE. PRIOR TO INSTALLATION ENSURE SURFACES ARE COMPLETELY DRY AND RECOMMENDATIONS OF THE MANUFACTURER HAVE BEEN COMPLETED
 - CLEAN THE SEAL PRIOR TO INSTALLATION BY WIPING IT DOWN WITH A CLOTH SATURATED WITH DE-NATURAL ALCOHOL
 - APPLY A 3/8" THICK BEAD OF ADHESIVE ALONG BOTH SIDES OF THE JOINT AT THE DEPTH RECOMMENDED BY THE MANUFACTURER
 - POSITION THE JOINT TO THE PROPER DEPTH AS RECOMMENDED BY THE MANUFACTURER
 - APPLY A BEAD OF ADHESIVE ALONG THE TOP SIDE OF THE JOINT ON EACH SIDE AS RECOMMENDED BY THE MANUFACTURER
 - TOOL THE ADHESIVE TWICE TO INSURE COMPLETE CONTACT WITH THE VERTICAL EDGE

WORK CONSISTS OF

1. REPLACE THE JOINTS AT BENT 2, ABUTMENT 1 AND 5. SEAL THE JOINTS AT BENT 2 AND ABUTMENT 5 WITH PREFORMED SILICONE JOINT SEAL.
2. RESEAL ALL CONSTRUCTION JOINTS.
3. SEAL DECK BY USING A TWO-PART POLYMER OVERLAY SYSTEM.
4. REPAIR CONCRETE SPALLS AT THE FOLLOWING LOCATIONS:
 - A. BENT 3, FORWARD FACE CAP: APPROXIMATELY 2 SQUARE FEET.
 - B. BENT 4, BOTTOM OF CAP: APPROXIMATELY 6 SQUARE FEET.
 - C. ABUTMENT 5: APPROXIMATELY 8 SQUARE FEET.
- △ 5. REPAIR DAMAGED LEFT CONCRETE RAIL, POSTS, AND OVERHANG AT STA. 109+10±.

TRAFFIC DATA

TRAFFIC----- ADT = 19,350 (2015)
 TRAFFIC----- ADT = 21,580 (2035)
 TRAFFIC----- DHV = 1745 (2035)
 DIRECTIONAL DIST----- 0.50/0.5 (N.B./S.B.)
 % TRUCKS----- 8.5%
 DESIGN SPEED----- 35 MPH

EXISTING UTILITIES

- 8" DIP WATER MAIN
- 4" PLASTIC GAS MAIN
- 3 FOC (GDOT ATMS)
- 9" X 3.5" S.T.D. ABANDONED DUCT

△ CONSTRUCTION SEQUENCE (CONT.)

- △ 3. REPAIR DAMAGED CONCRETE RAIL AND OVERHANG.
 - DEFINE AND MARK THE LIMITS OF RAIL AND OVERHANG TO BE REPAIRED. SAW CUT LIMITS OF CONCRETE TO BE REPAIRED.
 - REMOVE RAIL AND OVERHANG CONCRETE TO SOUND CONCRETE USING HAND TOOLS AND CHIPPING HAMMER TAKING CARE NOT TO DAMAGE EXISTING REINFORCING STEEL.
 - PLACE PROPOSED REINFORCING BARS AND LAP WITH EXISTING REINFORCING AS NECESSARY. SANDBLAST AND USE COMPRESSED AIR TO CLEAN THE CONCRETE SURFACES AND REINFORCING STEEL. PLACE FORMWORK.
 - APPLY EPOXY RESIN ADHESIVE TO THE EXPOSED CONCRETE SURFACES. POUR CONCRETE WHILE EPOXY RESIN ADHESIVE IS STILL TACKY. FINISH FLUSH TO EXISTING RAIL, OVERHANG, AND SIDEWALK.
 - ALLOW TO CURE 24 HOURS MINIMUM AND REMOVE FORMWORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM	NOTES
449-1350	80.5	LF	PREFORMED SILICONE JOINT SEAL	BENTS 2 AND 5
461-2000	120.8	LF	RESEALING BRIDGE JOINTS	BENTS 1, 3 AND 4
461-2000	161.0	LF	RESEALING CONSTRUCTION JOINTS	
△ 504-0600	1.0	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC	RAIL
△ 511-1000	53.0	LB	BAR REINF STEEL	RAIL
519-0515	794.9	SY	SURFACE PREPARATION	DECK
519-0530	794.9	SY	POLYMER OVERLAY	DECK
521-3000	16.0	SF	PATCHING CONCRETE BRIDGE	BENTS 3, 4 AND 5

PI NO. 0010925
 EXISTING BRIDGE SERIAL NO. I21-0452-0
 EXISTING BRIDGE ID NO. I21-09248M-000.60N



GEORGIA
DEPARTMENT OF TRANSPORTATION
 OFFICE OF INNOVATIVE DELIVERY

GENERAL NOTES
 CR209 (RIVERSIDE DR.) OVER I-285
 FULTON COUNTY 0010925

SCALE: NO SCALE SEPTEMBER 2015

DRAWING NO.
35-002
BRIDGE SHEET
2 OF 4

REVISIONS
 DATE
 07-13-16
 USE ON CONSTRUCTION

DESIGNED SNA	CHECKED PWG	REVIEWED
DRAWN SNA	LIAISON	APPROVED