

GENERAL NOTES

BRIDGE REPAIR CONSISTS OF

REINFORCED CONCRETE EDGE BEAM REPLACEMENT----- SPECIAL DESIGN
 EXPANSION JOINT REPLACEMENT ----- SPECIAL DESIGN
 BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
 CONCRETE BARRIERS - TEMPORARY ----- GA. STD 4960 (5-10-07)

TRAFFIC DATA

TRAFFIC ----- ADT = 136,850 (2012)
 DESIGN SPEED ----- 55 MPH

DESIGN DATA

SPECIFICATIONS ----- AASHTO 17TH EDITION, 2002
 TYPICAL HS20 AND/OR MILITARY LOADING ----- IMPACT ALLOWED
 FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT
 CONCRETE: ----- 24 HOUR ACCELERATED STRENGTH, $f'_c = 3,500$ PSI
 REINFORCEMENT STEEL: ----- GRADE 60, $f_y = 60,000$ PSI

EXISTING UTILITIES
(TO REMAIN)

4- 4 IN. Ø CONDUIT ----- GADOT

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 3/4" UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 24'-7" ABOVE CSX RR AND 15'-3" ABOVE MARTA.

TEMPORARY BARRIERS, METHOD 2 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR 2 - 10'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SPECIAL PROVISION SECTION 620.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY SUBMITTING A REQUEST ON THE GEORGIA DOT WEBSITE AT:

[HTTP://WWW.DOT.GA.GOV/DOINGBUSINESS/RESEARCH/PAGES/ROADDESIGNSEARCH.ASPX](http://www.dot.ga.gov/doingbusiness/research/pages/roaddesignsearch.aspx)

THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER I.20- 1 (7) 51 AND WAS WIDENED UNDER PROJECT NUMBER I-ID-ACI-20-1 (45).

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.

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 - 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.

PAINT - ANY DAMAGE TO THE PAINT OF THE EXISTING STRUCTURAL STEEL SHALL BE CLEANED AND REPAINTED AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATION AT NO ADDITIONAL COST TO THE DEPARTMENT.

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, TEMPORARY SUPPORTS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

REINFORCEMENT STEEL COUPLERS - COST OF REINFORCEMENT STEEL COUPLERS SHALL BE INCLUDED IN THE PRICE BID FOR "SUPERSTR REINF STEEL".

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1350	195	LF	PREFORMED SILICON JOINT SEAL, BR NO - 2, BENT NO - 1
449-1350	197	LF	PREFORMED SILICON JOINT SEAL, BR NO - 2, BENT NO - 2
449-1350	200	LF	PREFORMED SILICON JOINT SEAL, BR NO - 2, BENT NO - 3
449-1350	223	LF	PREFORMED SILICON JOINT SEAL, BR NO - 2, BENT NO - 4
504-0600	189	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 2 (37310)
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 2 (16837)
540-1202	LUMP	LS	REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 2
620-0200	607	LF	TEMPORARY BARRIER, METHOD NO. 2

CONSTRUCTION SEQUENCE

STAGE I

1. PLACE TEMPORARY BARRIERS AT LOCATION 1, MAINTAINING 2 - 10'-0" TRAFFIC LANES.
2. RECONSTRUCT STAGE I EDGE BEAM AND PORTIONS OF APPROACH SLAB ACCORDING TO PLANS AND SPECIAL PROVISIONS.

STAGE II

1. RELOCATE TEMPORARY BARRIERS TO LOCATION 2, MAINTAINING 2 - 10'-0" TRAFFIC LANES.
2. RECONSTRUCT STAGE II EDGE BEAM AND PORTIONS OF APPROACH SLAB ACCORDING TO PLANS AND SPECIAL PROVISIONS.
3. REMOVE TEMPORARY BARRIER.

COMBINED STAGES

1. UTILIZE LANE CLOSURES IN ACCORDANCE WITH THE SPECIAL PROVISIONS AS NECESSARY.
2. SEAL JOINTS.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS. IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR APPROVAL.

BRIDGE NO. 2



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

GENERAL NOTES
 SR 402 (I-20) OVER
 CSX RR AND MARTA
 FULTON COUNTY P.I. NO. M003054

SCALE: NO SCALE FEBRUARY 2014

DRAWING NO.
35-016
 BRIDGE SHEET
2 OF 11

REVISIONS	DATE
BY	DATE
DRB	03-06-14
DRB	TEMPORARY BARRIER

DESIGNED	FAQ	CHECKED	DRB	REVIEWED	CBB
DRAWN	CAB	DESIGN GROUP	BMU	APPROVED	JAD

3/6/2014 I:\S00031347 (gdot) I-20 widening\m003054 deck rehabbs\21-011-0\gn.dgn