STATE	P.I. NUMBER	SHEET NO.	TOTAL SHEETS
GA.	M004161	8	18

BRIDGE REPAIR CONSISTS OF

BACKWALL RECONSTRUCTION ---------- SPECIAL DESIGN

EXPANSION JOINT REPLACEMENT ---------- SPECIAL DESIGN

CHEEKWALL REPAIR ---------- SPECIAL DESIGN

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

REINFORCED CONCRETE APPROACH SLAB
30 FT. LENGTH ---------- GA. STD. 9017P (7-96)

TRAFFIC CONTROL-
GENERAL NOTES, STANDARD LEGEND & MISC. DETAILS ------ GA. STD. 9100 (3-06)

TRAFFIC CONTROL DETAIL FOR LANE
CLOSURE ON MULTILANE DIVIDED HIGHWAY ---------- GA. STD. 9106 (9-07)

TRAFFIC DATA

TRAFFIC ---------- ADT = 7,480 (2010)
ADT = 10,880 (2030)

DESIGN SPEED ---------- 30 MPH

TRUCKS ---------- 0 %

DIRECTIONAL ---------- 100 %

CONSTRUCTION SEQUENCE

1. STAGE TRAFFIC ACCORDING TO CONSTRUCTION STAGING SHEET & GEORGIA STANDARD TRAFFIC CONTROL DETAILS FOR STAGE 1 CONSTRUCTION.
2. REMOVE PORTION OF APPROACH SLABS INCLUDING CONCRETE "V" GUTTER AT BENT 4.
3. REMOVE PORTIONS OF EXISTING DECK & BACKWALL AND COMPONENTS OF ARMORED JOINTS AS SHOWN.
4. CLEAN EXISTING REINFORCEMENT.
5. PLACE NEW REINFORCEMENT AND INSTALL THREADED COUPLERS (AS DETAILED) IN DECK AND BACKWALL.
6. FORM AND PLACE NEW CONCRETE FOR DECK AND BACKWALL.
7. PLACE NEW REINFORCEMENT IN APPROACH SLABS.
8. FORM AND PLACE NEW CONCRETE FOR APPROACH SLABS.
9. REPLACE CONCRETE "V" GUTTER AT BENT 4.
10. REPLACE EXPANSION JOINTS (AS DETAILED) INCLUDING AT B.F.P.R. AT BENTS 1 & 4.
11. STAGE TRAFFIC ACCORDING TO CONSTRUCTION STAGING SHEET & GEORGIA STANDARD TRAFFIC CONTROL DETAILS FOR STAGE 2 CONSTRUCTION.
12. REPEAT STEPS 2 THROUGH 6 FOR STAGE 2 CONSTRUCTION.
13. REPAIR PORTION OF LEFT CHEEKWALL AT BENT 1.
14. REPAIR EXISTING BRIDGE DRAINAGE SYSTEM IN LEFT CELL OF SPAN 1.
15. EPOXY PRESSURE INJECT CRACKS (AS DETAILED).
16. REMOVE TRAFFIC CONTROL MEASURES AND OPEN BRIDGE TO TRAFFIC.
17. REPLACE STRIPING ON APPROACH SLABS AND RAISED PAVEMENT MARKERS.

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. ALL REINFORCEMENT SHALL BE EPOXY COATED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES ¾" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH GEORGIA DOT STANDARD 9106. SEE ROADWAY PLANS FOR TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347 - 0530. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER ACIB-I-IR-75-2(137)CT.4

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. REPAIR ALL DAMAGES TO EXISTING REINFORCEMENT PROTECTIVE COATING.

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 RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION JOINT AT END BENTS 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 D) AS PER SUBSECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS.

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

CONCRETE - ALL SUPERSTRUCTURE AND SUBSTRUCTURE CONCRETE SHALL BE 24 HOUR ACCELERATED STRENGTH AND SHALL BE IN ACCORDANCE WITH SECTION 504 OF THE GEORGIA STANDARD SPECIFICATIONS.

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, CLEARING BOX GIRDER DRAINAGE WEEP HOLES, CLEARING DECK DRAIN INLETS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

REPAIR EXISTING BRIDGE DRAINAGE SYSTEM - CLEAN AND REPLACE END SECTION OF 8" PVC DRAIN PIPE IN SPAN 1. COST SHALL BE INCLUDED WITH THE OVERALL BID SUBMITTED.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1620	67	LF	LOW-DENSITY, CLOSED CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO - 1, BENT 1
449-1620	105	LF	LOW-DENSITY, CLOSED CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO - 1, BENT 4
461-2000	171	LF	RESEALING BRIDGE JOINTS, TP-D
504-0600	108	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 (4640)
528-0501	121	LF	EPOXY PRESSURE INJECTION OF CONCRETE CRACKS
540-1202	LUMP	LS	REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO - 1

EXISTING UTILITIES

NONE

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)

CONCRETE: SUPERSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI
SUBSTRUCTURE---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y= 60,000 PSI

EXISTING BRIDGE SERIAL NO. 121-0719-0
EXISTING BRIDGE I.D. NO. 121-00010R-000.03E
PROJECT P.I. NO. M004161
BRIDGE NO. 1

NOTE: INFORMATION TAKEN FROM ORIGINAL PLANS.

DRAWING NO. 35 - 02

BRIDGE SHEET 2 OF 6

REVISIONS | DATE | BY

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION - OFFICE OF BRIDGE DESIGN

GENERAL NOTES
FREEDOM PARKWAY
OVER I-75 / I-85

FULTON COUNTY P.I. NO. M004161

NO SCALE JUNE 2010

DESIGNED	TBS	CHECKED	FRB/KAK	BMJ REVIEWED	CBB
DRAWN	TBS	REVIEWED	MS	APPROVED	MLC/PVL

J:\ 2007006.7 \ BRIDGE \ 121-0719-0 \ 121-0719-0_GEN.DGN