

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NH000-0085-02(153)	300	623

VOID

DESIGN DATA

BRIDGE CONSISTS OF

- 1 - 53'-6 1/4" DECK WIDENING PARTIAL SPAN ----- SPECIAL DESIGN
- 1 - 69'-5 7/8" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - 70'-3 5/8" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - 70'-0 1/4" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - 70'-3 3/8" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1 - STEEL H PILE END BENT ----- SPECIAL DESIGN
- 4 - CONCRETE INTERMEDIATE BENTS ----- SPECIAL DESIGN
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- CONCRETE BARRIERS - TEMPORARY ----- GA. STD. 4960 (5-07)
- DETAILS OF PRECAST TEMPORARY BARRIERS ----- GA. STD. 4961 (9-06)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (9-99)

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.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TEMPORARY BARRIERS, METHOD 1 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NOS. 4960 AND 4961 TO PROVIDE FOR 12'-0" TRAFFIC LANE. 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 CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER PE1-85-2(27).

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.

EXISTING RIP RAP - INCLUDE THE COST OF REMOVING, RELAYING, AND/OR REPLACING RIP RAP IN THE OVERALL BID SUBMITTED.

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PILOT HOLES - DRILL A 24" DIAMETER PILOT HOLE TO A MINIMUM ELEVATION OF 785.00 AT BENT 3N FOR EACH PILE. BACKFILL HOLE WITH CLASS A CONCRETE IN ACCORDANCE WITH SPECIAL PROVISION 520.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENTS 4N & 6N.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE WIDENED PORTION OF THE BRIDGE 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 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 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 OVERALL BID SUBMITTED.

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.

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

TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED

FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ----- CLASS AA, f'c = 3,500 PSI
PSC BEAMS ----- CLASS AAA, f'c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ----- SEE BEAM SHEETS
SUBSTRUCTURE ----- CLASS AA, f'c = 3,500 PSI

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

PRETENSIONING STRANDS: ----- fs = 270,000 PSI

STEEL PILES: ----- fs = 50,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
211-0300	39	CY	BRIDGE EXCAVATION, STREAM CROSSING
449-1350	208	LF	PREFORMED SILICONE JOINT SEAL, BR NO. - 1
500-0100	153	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (62)
500-2100	333	LF	CONCRETE BARRIER
500-3002	63	CY	CLASS AA CONCRETE
507-9030	279	LF	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO - 1
511-1000	12819	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (8668)
514-0500	63	LB	EPOXY COATED BAR REINFORCEMENT STEEL
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 (12063)
520-1104	320	LF	PILING IN PLACE, STEEL H, HP 10 X 42
520-1125	160	LF	PILING IN PLACE, STEEL H, HP 12 X 53
520-4104	1	EA	LOAD TEST, STEEL H, HP 10 X 42 (1F REQD)
520-4125	1	EA	LOAD TEST, STEEL H, HP 12 X 53 (1F REQD)
520-5000	126	LF	PILOT HOLES
540-1201	LUMP	LS	REMOVAL OF PARTS OF EXIST. BR. , STA 206+78.74
620-0100	320	LF	TEMPORARY BARRIER, METHOD NO. 1

TRAFFIC DATA

TRAFFIC ----- ADT = 16,100 (2015)
----- ADT = 19,700 (2035)

DESIGN SPEED ----- 45 MPH

TRUCKS ----- 5.5 %

24 HR TRUCKS ----- 6.3 %

DIRECTIONAL ----- 100 %

UTILITIES

NONE

RELEASED FOR CONSTRUCTION
MARCH 15, 2012

BRIDGE NO. 1

			
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
GENERAL NOTES I-85 SOUTHBOUND TO SR 400 NORTHBOUND SR 400/I-85 CONNECTOR RAMPS OVER LENOX ROAD AND NORTH FORK PEACHTREE CREEK FULTON COUNTY NH000-0085-02(153)			
SCALE: NO SCALE		FEBRUARY 2012	
DESIGNED: BKA	CHECKED: GBL	REVIEWED:	APPROVED:
DRAWN: BRW	DESIGN GROUP:		

DRAWING NO. 35.1 - 2	DATE
BRIDGE SHEET 2 OF 20	REVISIONS
BY	