

**GENERAL NOTES**

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 1993 EDITION, AND 1997 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

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

PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE. SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 16'-6" ABOVE I-85.

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

TEMPORARY BARRIERS - TEMPORARY BARRIERS SHALL BE PLACED AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO'S. 4960 AND 4961 TO PROVIDE FOR TWO 12'-0" TRAFFIC LANES. FOR PAYMENT, SEE ROADWAY PLANS.

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

EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE EXISTING BRIDGE WAS BUILT UNDER PROJECT NUMBER IN. 403-212)CT.2.

EPOXY RESIN ADHESIVE - EPOXY RESIN ADHESIVE TYPE II SHALL BE APPLIED 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. COST OF EPOXY ADHESIVE AND ITS APPLICATION SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

SMOOTH DOWEL BARS - SMOOTH DOWEL BARS SHALL BE PLACED IN A FORMED 3" DIAMETER X 12" DEEP HOLE AND GROUTED IN PLACE SIMILAR TO ANCHOR BOLTS. SEE SUB SECTION 501.06.F.3. OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

ABUTMENT MESH INSERTS - COST OF FURNISHING AND INSTALLING INSERTS FOR MESH AT ABUTMENT SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED. MESH AND BACKFILL QUANTITIES ARE INCLUDED IN WALL QUANTITIES.

STANDARD PLAN MODIFICATION - THE APPROACH SLAB STANDARD SHALL BE MODIFIED TO INCREASE THE 3/4" INCH EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST TO 1/4" INCHES. SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.

PROTECTIVE SURFACE TREATMENT - PROTECTIVE SURFACE TREATMENT WILL BE REQUIRED AT THIS SITE AS PER SUB-SECTION 500.13.C OF THE GEORGIA DOT SPECIFICATIONS.

GROOVED CONCRETE - THE ENTIRE LENGTH AND WIDTH OF THE BRIDGE SHALL BE GROOVED TRANSVERSELY AS PER SUB-SECTION 500.11.C.6.C.(2) OF THE GEORGIA DOT SPECIFICATIONS.

CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS 'LF CH LK FENCE, ZC COAT, 6 FT. 9 GA'.

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

FILL SETTLEMENT - PILES DRIVEN AT BENTS 1 AND 5 SHALL BE PROTECTED FROM NEGATIVE SKIN FRICTION WHEN USED IN CONJUNCTION WITH MECHANICALLY STABILIZED EARTH WALLS. SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS. PILES AT END BENTS SHALL BE DRIVEN BEFORE WALL LEVELING PADS ARE CONSTRUCTED.

WAITING PERIOD - NONE REQUIRED.

WELDING - ALL WELDING ON GEORGIA D.O.T. PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE GEORGIA D.O.T. OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.

PIN CONNECTIONS FOR TEMPORARY BARRIER - ALL SEGMENTS OF THE TEMPORARY BARRIER SHALL BE PINNED TOGETHER WITH HOOKED REINFORCING BARS AND/OR CONNECTOR PIN ASSEMBLIES AS PER GEORGIA STANDARD 4961. IN ADDITION, TEMPORARY BARRIER PLACED BETWEEN STA. 46+70 AND STA. 51+36 SHALL BE SECURED WITH COTTER PINS AND WASHERS OR BOTTOM NUTS AND WASHERS AS DETAILED ON GEORGIA STANDARD 4961.

RIDING QUALITY - THE FINISHED BRIDGE DECK AND APPROACH SLABS SHALL MEET THE RIDING QUALITY REQUIREMENTS AS SPECIFIED IN SUB-SECTION 500.11.C.6.E OF THE GEORGIA STANDARD SPECIFICATIONS FOR STATE ROUTES WITH FOUR OR MORE LANES.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENTS 1 AND 5.

PSC DECK PANELS - PSC DECK PANELS WILL NOT BE ALLOWED ON THIS BRIDGE.

INCIDENTAL ITEMS - COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED. INCLUDES WATERPROOFING, JOINT FILLERS, SLOPE PAVING, AND OTHER INCIDENTAL THIS ITEMS NECESSARY TO COMPLETE THE WORK.

PILE POINTS - REINFORCE ALL PILE TIPS WITH PRUYN POINT NO. 75750 OR AN APPROVED EQUAL POINT AT BENTS 1 AND 5.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH GEORGIA D.O.T. SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

POUR STRIP: CONCRETE FOR THE POUR STRIP SHALL BE CLASS AA-1 CONCRETE AND SHALL BE PAID FOR IN 'LUMP m<sup>3</sup> SUPERSTR CONCRETE, CL AA'.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CM-85-2(176)	71	108

USE ON CONSTRUCTION - 9/21/01

**BRIDGE REPLACEMENT CONSISTS OF**

- 1- 88'-9" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN (W/BULB TEE, 63 IN, FACIA BEAM)
- 1- 109'-3" BULB TEE, 63 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1- 108'-8" BULB TEE, 63 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 1- 99'-6" BULB TEE, 63 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
- 2 - STEEL H PILE END BENTS (W/MSE TYPE ABUTMENTS) ----- SPECIAL DESIGN
- 3 - CONCRETE INTERMEDIATE BENTS ----- SPECIAL DESIGN
- 4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (5-89) (L = 4'-0"; W = 1'-1"; H = 2'-10")
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- CONCRETE BARRIERS TEMPORARY ----- GA. STD. 4960 (5-99)
- DETAILS OF PRECAST TEMPORARY BARRIERS ----- GA. STD. 4961 (5-10-96)
- CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)
- TYPICAL FILL DETAIL AT END OF BRIDGE GA STD 9037 (10-20-97)

**DESIGN DATA**

SPECIFICATIONS ----- AASHTO 1996 EDITION (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 = 6500 PSI

SUBSTRUCTURE ----- CLASS A, F'C = 3,000 PSI

REINFORCEMENT STEEL ----- ASTM A-615 GRADE 60, F<sub>y</sub> = 60,000 PSI

PRETENSIONING STRANDS ----- F'S = 270,000 PSI

**TRAFFIC DATA OLD PEACHTREE ROAD**

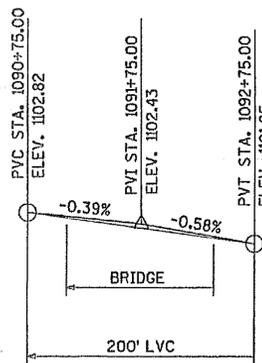
<b>WB</b>	TRAFFIC A.D.T.:	10,100 (1995)
	TRAFFIC A.D.T.:	22,900 (2015)
<b>EB</b>	TRAFFIC A.D.T.:	7900 (1995)
	TRAFFIC A.D.T.:	17,100 (2015)
DESIGN SPEED -----		45 MPH
24 HR TRUCKS -----		7%

**UTILITIES**

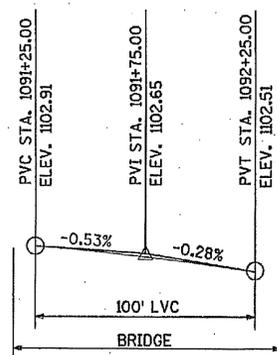
2 - 4" 4-WAY MULTI-CELL FIBERGLASS CONDUIT SYSTEMS ----- GWINNETT COUNTY

**SUMMARY OF QUANTITIES**

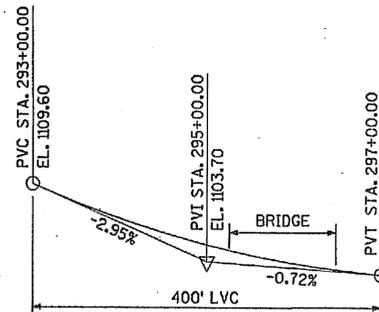
PAY ITEM NUMBER	QTY.	UNIT	PAY ITEM
Δ 211-0200	504	CY	BRIDGE EXCAVATION, GRADE SEPERATION
500-0100	5957	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO-3 (2040)
500-3101	Δ 888	CY	CLASS A CONCRETE
507-9030	1309	LF	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO-3
507-9031	5502	LF	PSC BEAMS, AASHTO, BULB TEE, 63 IN, BR NO-3
511-1000	Δ 142626	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-3 (197087)
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO-3 (181459)
520-0573	171	EA	H-PILE POINTS, HP 14x73
Δ 520-1147	5604	LF	PILING IN PLACE, STEEL H, HP 14x73
520-4147	1	EA	LOAD TEST, STEEL H, HP 14x73 (IF REQ'D)
540-1101	LUMP		REMOVAL OF EXISTING BR, STA NO 49+00
643-1152	796	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA



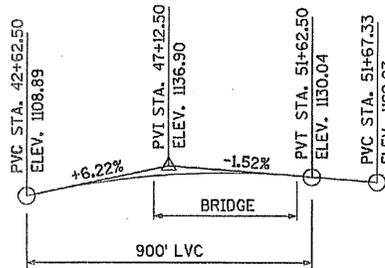
**VERTICAL CURVE DATA**  
I-85 S.B.



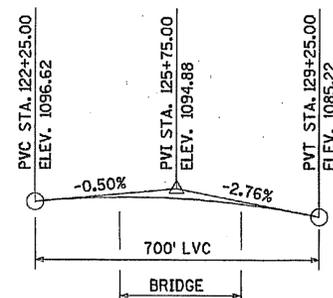
**VERTICAL CURVE DATA**  
I-85 N.B.



**VERTICAL CURVE DATA**  
N.B. C/D



**VERTICAL CURVE DATA**  
OLD PEACHTREE RD.



**VERTICAL CURVE DATA**  
S.B. C/D

**HORIZ. CURVE NO. 120**  
NBCD

PI STA. = 295+99.69  
 Δ = 08°12'45" LT  
 D = 00°57'35"  
 T = 428.55'  
 L = 855.64'  
 R = 5969.42'

**HORIZ. CURVE NO. 207**  
SBCD

PI STA. = 123+66.57  
 Δ = 13°39'29" RT  
 D = 01°30'00.0"  
 T = 457.43'  
 L = 910.53'  
 R = 3819.72'

**HORIZ. CURVE NO. 551**  
I-85

PI = 1091+97.04  
 Δ = 08°12'45" LT.  
 D = 00°59'00"  
 T = 418.30'  
 L = 835.17'  
 R = 5826.67'