

BRIDGE CONSISTS OF

- 2 - 112'-0" BULB TEE, 65 IN, PSC BEAM SPANS ----- SPECIAL DESIGN
- 2 - STEEL H PILE END BENTS ----- SPECIAL DESIGN
- 1 - CONCRETE INTERMEDIATE BENT ----- SPECIAL DESIGN
- 4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
 - 2 - (L = 4'-0"; W = 1'-1"; H = 2'-10")
 - 2 - (L = 5'-0"; W = 1'-1"; H = 2'-10")
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- CONCRETE BARRIERS - TEMPORARY ----- GA. STD. 4960 (5-10-07)
- DETAILS OF PRECAST TEMPORARY BARRIERS ----- GA. STD. 4961 (9-8-06)
- CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (9-99)

DESIGN DATA

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

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, $f_y = 60,000$ PSI

PRETENSIONING STRANDS: ----- $f'_s = 270,000$ PSI

TRAFFIC DATA (RIDGEWALK PARKWAY)

TRAFFIC ----- ADT = 8,320 (2012)
 ADT = 15,950 (2032)

DESIGN SPEED ----- 45 MPH

TRUCKS ----- 3 %

24 HR TRUCKS ----- 5 %

DIRECTIONAL ----- 53 %

TRAFFIC DATA (I-575))

TRAFFIC ----- ADT = 88,120 (2012)
 ADT = 160,500 (2032)

DESIGN SPEED ----- 75 MPH

TRUCKS ----- 6 %

24 HR TRUCKS ----- 7 %

DIRECTIONAL ----- 51 %

EXISTING UTILITIES

- 1 - 4" GAS MAIN ----- ATLANTA GAS LIGHT COMPANY
- 1 - 12" WATER MAIN ----- CITY OF WOODSTOCK

PROPOSED UTILITIES

- 1 - 4" GAS MAIN ----- ATLANTA GAS LIGHT COMPANY
- 1 - 12" WATER MAIN ----- CITY OF WOODSTOCK
- 4 - 4" CONDUIT ----- AT&T
- 4 - 2" CONDUIT ----- GDOT ATMS

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

SHOP DRAWINGS - SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD (EOR) FOR INITIAL REVIEW AND APPROVAL. ONCE APPROVED AND STAMPED BY EOR, EOR SHALL SUBMIT 6 STAMPED SETS TO THE GEORGIA DOT OFFICE OF BRIDGES AND STRUCTURES FOR REVIEW AND APPROVAL.

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 16'-6" ABOVE I-575.

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 2 - 11'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SECTION 620 OF THE GEORGIA DOT SPECIFICATIONS.

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 I-575-1(6)07.

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.

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PDA TESTING - PILE DATA ANALYZER WILL BE UTILIZED BY THE GEORGIA DOT DURING THE PILE DRIVING OPERATION. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH AT 404-363-7546 TWO WEEKS PRIOR TO DRIVING PILES.

PILE POINTS - REINFORCE ALL PILE TIPS AT BENT 1-RT AND BENT 3-RT IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATION.

DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENT 1

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.

ABUTMENT SOIL REINFORCING DEVICE INSERTS - INCLUDE THE COST OF FURNISHING AND INSTALLING INSERTS FOR SOIL REINFORCEMENT DEVICES AT ABUTMENT IN THE OVERALL BID SUBMITTED.

FILL SETTLEMENT - PROTECT PILES DRIVEN AT BENTS 1 AND 3 FROM NEGATIVE SKIN FRICTION WHEN USED IN CONJUNCTION WITH MECHANICALLY STABILIZED EARTH WALLS, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS. DRIVE PILES AT END BENTS BEFORE WALL LEVELING PADS ARE CONSTRUCTED.

UTILITY CASING - ENCASE EACH UTILITY WITHIN THE LIMITS OF THE WALL BACKFILL IN A CONCRETE PIPE EXTENDING FROM THE BACK FACE OF THE BRIDGE END WALL TO 2'-0" BEYOND THE LIMIT OF THE MSE WALL BACKFILL MATERIAL. THE PIPE SHALL BE SUPPLIED AND PLACED BY THE UTILITY OWNER DURING CONSTRUCTION OF THE WALL; TAKE CARE NOT TO DAMAGE WALL MESH OR STRAPS.

UTILITY HANGERS - FURNISH AND INSTALL CONCRETE INSERTS. USE ANVIL FIGURE 282, AAA TECHNOLOGY FIGURE 912 OR APPROVED EQUAL CONCRETE INSERTS. INCLUDE THE COST OF FURNISHING AND INSTALLING CONCRETE INSERTS IN THE OVERALL BID SUBMITTED. ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER.

WATER/SEWER MAIN HANGERS - PIPE ROLL SUPPORT ASSEMBLIES AND KEEPER STRAPS SHALL BE FURNISHED AND INSTALLED BY THE UTILITY OWNER. FURNISH AND INSTALL ALL OTHER COMPONENTS OF HANGER ASSEMBLIES AND INCLUDE THE COST IN THE OVERALL BID SUBMITTED.

GENERAL NOTES (CONTINUED)

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS

RIDING QUALITY - THE FINISHED BRIDGE DECK AND APPROACH SLABS SHALL MEET THE RIDE QUALITY REQUIREMENTS AS SPECIFIED IN SUB-SECTION 500.3.06.E OF THE GEORGIA DOT SPECIFICATIONS FOR STATE ROUTES WITH FOUR LANES OR MORE.

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

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.

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 WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

DESIGN BUILD PROJECT - THIS IS A DESIGN BUILD PROJECT AND QUANTITIES ARE PROVIDED FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
211-0200	65	CY	BRIDGE EXCAVATION, GRADE SEPARATION
500-0100	1444	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (682)
500-3002	156	CY	CLASS AA CONCRETE
507-9034	1991	LF	PSC BEAMS, AASHTO, BULB TEE, 65 IN, BR NO - 1
511-1000	35201	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (69901)
514-1000	LUMP	LS	EPOXY COATED SUPERSTR REINF STEEL, BR NO - 1 (50188)
520-0573	12	EA	H-PILE POINTS, HP 14 X 73
520-1147	1,925	LF	PILING IN PLACE, STEEL H, HP 14 X 73
540-1102	LUMP	LS	REMOVAL OF EXISTING BR, BR NO - 1
620-0100	485	LF	TEMPORARY BARRIER, METHOD NO. 1
643-1152	431	LF	CH LK FENCE, ZC COAT, 6 FT, 9 GA

BRIDGE NO. 1

THE LPA GROUP
 THE LPA GROUP INCORPORATED
 TRANSPORTATION CONSULTANTS
 3535 ENGINEERING DRIVE
 NORCROSS, GEORGIA 30092
 (770) 283-9118

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

GENERAL NOTES
 RIDGEWALK PARKWAY OVER I-575
 CHEROKEE COUNTY CSNHS-0006-00(043)

SCALE: NONE DECEMBER 2010

DRAWING NO. 35-02	DESIGNED BSB	CHECKED ANZ	REVIEWED WEI/WMD
BRIDGE SHEET 2 OF 14	DRAWN CJH	DESIGN GROUP AWB	APPROVED PVL

AS-BUILT PLANS 12-12-2012