

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GEORGIA	CSNHS-M002-00 (373)	7	26

GENERAL NOTES

EXISTING BRIDGE PLANS- PLANS FOR THE EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE EXISTING BRIDGE WAS BUILT UNDER PROJECT NUMBER BRFO09-2 (61).

DIMENSIONS AND ELEVATIONS- DIMENSIONS, STATIONS, AND ELEVATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE TAKEN FROM ORIGINAL DESIGN DRAWINGS SUPPLEMENTED BY LIMITED FIELD MEASUREMENTS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING DETAILS NECESSARY FOR THE COMPLETION OF ALL WORK, BY FIELD MEASUREMENTS AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF AND SHALL NOT COMMENCE ANY FABRICATION UNTIL HE HAS MADE THE MEASUREMENTS ON THE ACTUAL STRUCTURE AND THE SUBMITTED SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER. THE SHOP DRAWINGS SHALL STATE "DIMENSIONS HAVE BEEN FIELD VERIFIED BY THE CONTRACTOR". SHOP DRAWINGS SUBMITTED WITHOUT THIS STATEMENT WILL NOT BE REVIEWED OR APPROVED. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS. ALL DIMENSIONS ARE MEASURED HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED. SCALES NOTED ON THE PLANS ARE NOT APPLICABLE TO REDUCED SIZE PRINTS. IN ORDER TO ENSURE PROPER FIT OF THE VARIOUS COMPONENTS, THE CONTRACTOR IS REQUIRED TO TAKE EXTENSIVE AND ACCURATE FIELD MEASUREMENTS. THESE FIELD MEASUREMENTS SHALL BE TAKEN WHEN THERE IS NEGLIGIBLE CABLE VIBRATION AS DETERMINED BY THE ENGINEER. SOME OF THESE MEASUREMENTS WILL REQUIRE REMOVAL OF THE EXISTING PROTECTIVE BOOTS, WHICH SHALL BE IMMEDIATELY REINSTALLED AFTER TAKING THE MEASUREMENTS.

EXISTING CONDITIONS - ALL DIRT, RUST, SLAG, PAINT AND OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE EXISTING STRUCTURE IN THE VICINITY OF ANY REPAIR WORK. ANY CLEANING OR MINOR MODIFICATIONS TO COMPONENTS OF THE EXISTING STRUCTURE SUCH AS GRINDING OR DRILLING HOLES WHICH ARE REQUIRED TO ACCOMMODATE THE INSTALLATION OF NEW ELEMENTS AS DETAILED AND FABRICATED, SHALL BE CONSIDERED INCIDENTAL TO THOSE ELEMENTS AND NO ADDITIONAL ALLOWANCE WILL BE MADE FOR SUCH WORK. ALL PROPOSED MODIFICATIONS TO EXISTING COMPONENTS WHICH ARE TO REMAIN AS PART OF THE FINISHED STRUCTURE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING THE WORK.

THE CONTRACTOR SHALL MAKE EVERY EFFORT NOT TO DAMAGE ANY OF THE EXISTING STRUCTURE ESPECIALLY ANY COMPONENTS OF THE CABLE STAY. IF THE CONTRACTOR'S OPERATIONS DAMAGE ANY OF THE MATERIALS TO REMAIN, THEN THE CONTRACTOR SHALL MAKE REPAIRS TO THE DAMAGED STRUCTURE WITHOUT ADDITIONAL PAYMENT. IF THE ENGINEER DETERMINES THAT THE DAMAGE WILL REQUIRE MAJOR REPAIRS, THEN THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TESTING AND ENGINEERING DESIGN OF THOSE REPAIRS WITHOUT ADDITIONAL COMPENSATION.

UTILITIES - EXISTING UTILITIES ARE NOT SHOWN IN THESE PLANS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES AFFECTED BY THE WORK UNDER THIS CONTRACT PRIOR TO PROCEEDING WITH THE WORK IN THE VICINITY OF SUCH UTILITIES. ATTENTION IS CALLED TO GEORGIA STANDARD SPECIFICATION SUB-SECTION 105.06, "COOPERATION WITH UTILITIES". THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION AND SHALL RELOCATE OR PROVIDE TEMPORARY SUPPORTS WHERE REQUIRED BY HIS OPERATIONS. THE PROTECTION, RELOCATION OR SUPPORT OF THE UTILITIES SHALL BE CONSIDERED INCIDENTAL TO THE REPAIR WORK, AND SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.

SHOP DRAWINGS - UPON AWARD OF THE CONTRACT, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL NECESSARY FIELD MEASUREMENTS AND SUBMIT SHOP DRAWINGS FOR APPROVAL. UPON APPROVAL OF THE SHOP DRAWINGS, THE CONTRACTOR SHALL ORDER ALL MATERIALS IN A MANNER AND SEQUENCE SO AS TO AVOID DELAYS IN THE WORK. IN ADDITION TO SHOP DRAWINGS FOR STRUCTURAL STEEL, SHOP DRAWINGS, WORKING DRAWINGS AND ANY SUPPORTING CALCULATIONS SHALL BE SUBMITTED FOR THE FOLLOWING:

- STEEL KEEPER RINGS
- WASHERS
- PROTECTIVE BOOTS
- STEEL ANCHOR PIPE CRACK REPAIR
- STAINLESS STEEL BAND CLAMPS
- HEAT STRAIGHTENING
- TIE-DOWN BOOT REPAIR
- ELECTRICAL REPAIRS
- CONCRETE REPAIRS

STEEL - ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270 GRADE 36 (ASTM A709) UNLESS OTHERWISE NOTED.

WASHERS- ALL WASHERS SHALL BE URETHANE AND CONFORM TO REQUIREMENTS GIVEN IN THE SPECIAL PROVISIONS.

PROTECTIVE BOOTS - SHALL BE NEOPRENE, 60 DUROMETER HARDNESS.

STEEL KEEPER RINGS - SHALL CONFORM TO AASHTO M270 GRADE 36 (ASTM A709) STEEL AND BE MECHANICALLY GALVANIZED ACCORDING TO M298 (ASTM B695).

HIGH STRENGTH BOLTS - ALL BOLTS SHALL BE HIGH STRENGTH BOLTS MEETING THE REQUIREMENTS OF AASHTO M164 (ASTM 325, TYPE I). BOLTS SHALL BE 7/8" DIAMETER IN 15/16" DIAMETER HOLES UNLESS OTHERWISE NOTED. HIGH STRENGTH BOLTS SHALL HAVE A HARDENED WASHER UNDER THE NUT AND THE TURNED ELEMENT.

ANCHOR BOLTS - SHALL CONFORM TO ASTM A449 HIGH STRENGTH STEEL AND BE MECHANICALLY GALVANIZED ACCORDING TO M298 (ASTM B695).

COUNTERSUNK BOLTS - SHALL CONFORM TO ASTM A449 HIGH STRENGTH STEEL AND BE MECHANICALLY GALVANIZED ACCORDING TO M298 (ASTM B695).

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 GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH. ALL WELDING SHALL CONFORM TO THE BRIDGE WELDING CODE ANSI/AASHTO/AWS D1.5-2002 AND BE PERFORMED BY AWS CERTIFIED WELDERS. NO WELDING SHALL BE PERMITTED TO EXISTING METAL UNLESS SPECIFIED ON DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.

NAVIGATIONAL CLEARANCE - USE OF FALSEWORK, FORMWORK, AS WELL AS OTHER CONSTRUCTION METHODS AND PROCEDURES SHALL BE SCHEDULED AND PERFORMED IN SUCH A WAY THAT IT SHALL NOT INTERFERE WITH OR CAUSE UNAUTHORIZED INTERRUPTIONS TO NAVIGATION. THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION ACTIVITIES IN SUCH A MANNER THAT BOAT TRAFFIC HAS FREE PASSAGE UNDER THE BRIDGE AT ALL TIMES. THE EXTENT AND LIMITS OF ENCROACHMENT, IF ANY, ON THE NAVIGATIONAL CLEARANCE SHALL BE SUBMITTED TO THE COAST GUARD FOR APPROVAL. NO ENCROACHMENT SHALL BE CAUSED UNTIL RECEIPT OF WRITTEN AUTHORIZATION FROM THE COAST GUARD IS SUBMITTED. THE CONTRACTOR SHALL COMPLY WITH THE REGULATIONS SET FORTH BY THE FEDERAL AVIATION ADMINISTRATION IN CONNECTION WITH AIR NAVIGATION AND AERIAL OBSTRUCTION MARKINGS AND LIGHTING.

DEWATERING THE STEEL ANCHOR PIPES - THE CONTRACTOR SHALL DEWATER ALL DECK LEVEL STEEL ANCHOR PIPES. AFTER DEWATERING, THE CONTRACTOR SHALL KEEP THE ANNULAR SPACE BETWEEN THE PE PIPE AND THE STEEL ANCHOR PIPE DRY AND WATERPROOF DURING THE WHOLE COURSE OF THE PROJECT. IN ADDITION, IMMEDIATELY PRIOR TO THE INSTALLATION OF NEW WASHERS, THE CONTRACTOR SHALL AGAIN DEWATER THE STEEL ANCHOR PIPES AT DECK LEVEL TO ENSURE THAT THE STEEL ANCHOR PIPES WERE KEPT DRY AND WATERPROOF DURING THE CONSTRUCTION.

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

INCIDENTAL ITEMS - COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND/OR THE SPECIAL PROVISIONS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

NOI - NOTICE OF INTENT IS NOT REQUIRED ON THIS PROJECT.

REPAIR LEGEND	
REPAIR	DESCRIPTION
①	STEEL ANCHOR PIPE CRACK REPAIR
②	HEAT STRAIGHTENING OF STEEL ANCHOR PIPE
③	REMOVAL OF EXISTING PROTECTIVE BOOTS, STEEL KEEPER RINGS AND WASHERS
④	INSTALLATION OF NEW WASHERS AND STEEL KEEPER RINGS
⑤	PROTECTIVE BOOT RETROFIT
⑥	MISCELLANEOUS CONCRETE REPAIRS
⑦	TIE-DOWN BOOT REPAIR
⑧	MISCELLANEOUS ELECTRICAL REPAIRS
⑨	CABLE STAY PROTECTIVE TAPE REPAIR

BRIDGE SHEET
7 OF 26

DATE					
REVISIONS					
BY					



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GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

GENERAL NOTES SHEET
TALMADGE MEMORIAL BRIDGE RETROFIT
CHATHAM COUNTY CSNHS-M002-00 (373)

NO SCALE MARCH 2006

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