

GENERAL NOTES

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CSSTP-M003-00(736)	21	23

STEEL BEAM REPAIR CONSISTS OF

HEAT STRAIGHTENING AND REPAIR TO STRUCTURAL MEMBERS ----- SPECIAL DESIGN
 TRAFFIC CONTROL DETAIL ----- GA. STD. 9106 (7-99)

EXISTING UTILITIES

4" Ø GAS MAIN..... ATLANTA GAS LIGHT COMPANY
 8" Ø WATER MAIN..... CITY OF GRIFFIN LIGHT, WATER & SEWAGE DEPT.

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

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

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 F-001-4(9).

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

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 CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

TRAFFIC CONTROL - GA. STD. 9106 SHALL BE USED TO DIVERT TRAFFIC UNDER THE BRIDGE.

RESTRICTED TRAFFIC - THE OFFICE OF PERMITS AND ENFORCEMENT (404-651-9146) SHALL BE CONTACTED 14 DAYS PRIOR TO LANE CLOSURE SO THAT MOBILE HOMES OR OTHER LARGE LOADS MAY BE REDIRECTED.

PRICE BID FOR TRAFFIC CONTROL - LUMP SUMP SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, PRECAST CONCRETE MEDIAN BARRIERS, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION AND/OR AS DIRECTED BY THE DESIGNER.

SEQUENCE OF OPERATION - STAGE CONSTRUCTION WILL BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. SEE "SPECIAL PROVISION SECTION 150 - TRAFFIC CONTROL".

UTILITIES - ANY DAMAGE THAT OCCURS TO EXISTING UTILITIES AS A RESULT OF BEAM REPAIR SHALL BE REPAIRED AT NO EXPENSE TO THE STATE. SEE GEORGIA SPECIFICATION SUB-SECTION 107.21.

PAINTING - ALL STRUCTURAL MEMBERS REQUIRING STRAIGHTENING AND/OR REPAIRS SHALL BE PAINTED USING SYSTEM VI PAINT SYSTEM, ALL PAINTING WILL BE IN ACCORDANCE WITH SECTION 535 OF THE SUPPLEMENTAL SPECIFICATIONS. THE COST OF PAINTING SHALL BE INCLUDED IN THE OVER ALL BID.

CONCRETE DIAPHRAGM - REPAIR OF DIAPHRAGMS SHALL INCLUDE REMOVAL OF BETWEEN 18 TO 36 INCHES OF THE DIAPHRAGM ADJACENT TO THE DAMAGED BEAM. THE CONTRACTOR SHALL REMOVE SUFFICIENT AMOUNT OF CONCRETE TO ALLOW EITHER RECONNECTION OF THE EXISTING LONGITUDINAL REINFORCING STEEL TO THE WEB OF THE DAMAGED BEAM OR TO ATTACH NEW LONGITUDINAL REINFORCING STEEL TO THE WEB OF THE DAMAGED BEAM. ATTACHEMENT OF THE REINFORCING STEEL TO THE BEAM SHALL BE IN ACCORDANCE WITH THE ORIGINAL BRIDGE CONSTRUCTION PLANS AS APPROVED BY THE ENGINEER.

SUMMARY OF QUANTITIES

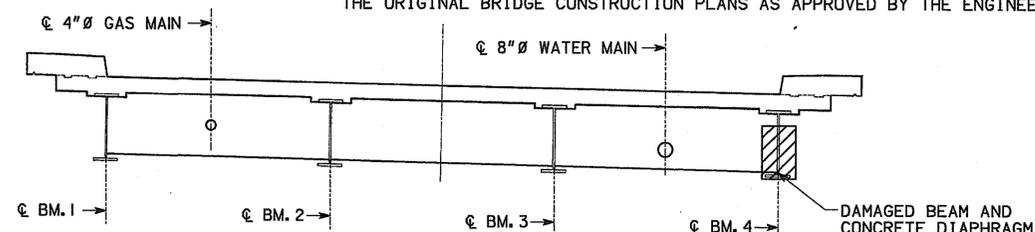
PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
999-0030	LUMP	LS	HEAT STRAIGHTENING AND REPAIR OF STRUCTURAL MEMBERS BM NO - 4 , SPAN NO - 2 , BR NO 6

DAMAGE DESCRIPTION (FROM COLLISION REPORT)

1. BM. 4 - BEAM HAS MODERATE DAMAGE WITH 5" (+) SWEEP AND 3 SMALL CRACKS IN THE WEB AT THE CONNECTIONS TO THE CONCRETE DIAPHRAGM.



- INDICATING DAMAGED BEAM AND CONCRETE DIAPHRAGM REQUIRING REPAIR



DECK SECTION
 LOOKING AHEAD
 NOT TO SCALE

NOTES:

1. TYPICAL SECTION SHOWN IS FROM EXISTING DRAWING.
2. HANDRAILING NOT SHOWN.
3. BID ITEM 999-0030 INCLUDES HEAT STRAIGHTENING AND REPAIR OF DAMAGED BEAMS AND AFFECTED CONCRETE DIAPHRAGMS, CROSS FRAMES, CONNECTION PLATES, ETC.

BRIDGE NO. 6



2835 BRANDYWINE ROAD
 SUITE 400
 ATLANTA, GEORGIA 30341
 (770) 936-8650

GEORGIA
DEPARTMENT OF TRANSPORTATION
 OPERATIONS DIVISION-OFFICE OF MAINTENANCE

GENERAL NOTES
 STEEL BEAM REPAIR ON
 CR 36 (ELLIS ROAD) OVER SR 3 (US-19)
 SPALDING COUNTY CSSTP-M003-00(736)

SCALE: NO SCALE DECEMBER 2008

DRAWING NO. 2 OF 2	DESIGNED AS	CHECKED TQT	REVIEWED CBB
	DRAWN AS	DESIGN GROUP MAINTENANCE	APPROVED MLC

DATE	
REVISIONS	
BY	