

**H. HYDRAULICS:**

1. DRAINAGE AREA ----- 5310 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING BELOW FLOODSTAGE	BACKWATER
50 YEAR	86,700 CFS	4.77 FPS	18,178 SQ FT	0.03 FT
100 YEAR	99,100 CFS	5.15 FPS	19,227 SQ FT	0.03 FT
500 YEAR	131,000 CFS	6.06 FPS	21,616 SQ FT	0.16 FT

**I. TRAFFIC DATA:**

TRAFFIC ----- ADT = 11,970 (2013)  
----- ADT = 15,610 (2033)

DESIGN SPEED ----- 35 MPH

TRUCKS ----- 3.5%

24 HR TRUCKS ----- 5.0%

DIRECTIONAL ----- 60%

**J. UTILITIES:**

1. EXISTING:

WATER ----- ALBANY WATER, GAS & LIGHT COMMISSION

GAS ----- ALBANY WATER, GAS & LIGHT COMMISSION

ELECTRIC ----- ALBANY WATER, GAS & LIGHT COMMISSION

TELECOMMUNICATIONS ----- WINDSTREAM COMMUNICATIONS

TELECOMMUNICATIONS ----- AT&T

CABLE TELEVISION ----- MEDIACOM, LLC.

TRAFFIC CONTROL ----- CITY OF ALBANY

2. PROPOSED:

TRAFFIC CONTROL ----- CITY OF ALBANY

**K. GENERAL NOTES:**

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  $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.

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

TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, 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 FAP 81.

WAITING PERIOD - NONE REQUIRED.

COFFERDAMS - PROVIDE COFFERDAMS AT PIERS 2 AND 3.

SEAL CONCRETE - PROVIDE SEAL CONCRETE AT PIERS 2 AND 3. CONCRETE, REINFORCING STEEL (NUMBER OF HORIZONTAL BARS AND LENGTH OF VERTICAL BARS), AND SEAL CONCRETE QUANTITIES ARE BASED ON AN ASSUMED WATER SURFACE ELEVATION OF 150.00 AND SHALL BE ADJUSTED BY THE ENGINEER IF NECESSARY AT TIME OF CONSTRUCTION. KEY SEALS 1'-0" MINIMUM INTO ROCK.

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.

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 BRONZE PLAQUES- CAREFULLY REMOVE ONE EXISTING BRONZE PLAQUE AND ONE EXISTING BRONZE MEMORIAL PLAQUE FROM THE EXISTING BRIDGE. CLEAN AND INSTALL THE PLAQUES ON THE END POSTS AS DIRECTED BY THE ENGINEER. INCLUDE THE COST OF REMOVING, CLEANING, AND INSTALLING BRONZE PLAQUES IN THE OVERALL BID SUBMITTED. SEE SPECIAL PROVISIONS "SECTION 105 - CONTROL OF WORK" AND "SECTION 107 - LEGAL REGULATIONS AND RESPONSIBILITIES TO THE PUBLIC" FOR ADDITIONAL DETAILS.

**K. GENERAL NOTES (CONT.):**

SALVAGE OF EXISTING BRIDGE MATERIALS - TEN- 11' SECTIONS OF EXISTING BALUSTRADE, FOUR BENCHES AND TWO PEDESTALS (WITH PLAQUES INTACT) ARE TO BE SALVAGED AND TRANSPORTED TO THE THRONATEESKA HERITAGE CENTER, ADMINISTRATION-FRYER-MERIT HOUSE, 100 W. ROOSEVELT AVENUE, ALBANY. UNLOAD THE MATERIAL AS DIRECTED BY THE THRONATEESKA HERITAGE CENTER PERSONEL. NOTIFY TOMMY GREGORS, THE THRONATEESKA HERITAGE CENTER EXECUTIVE DIRECTOR, AT 229-435-1572 TWO WEEKS PRIOR TO DELIVERY. SEE SPECIAL PROVISION "SECTION 105-CONTROL OF WORK" FOR ADDITIONAL DETAILS.

DISC BEARINGS - DISC BEARINGS ARE TO BE PAID FOR AS POT BEARINGS.

MASS CONCRETE - THE FOOTINGS AND PIER STEMS OF PIERS 3, 3 AND 4 ARE CONSIDERED MASS CONCRETE. THE CONTRACTOR SHALL COMPLETE WORK IN ACCORDANCE WITH THE MASS CONCRETE SPECIFICATIONS SECTION 500.3.005 AM.

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.

**L. MISCELLANEOUS:**

1. PROVISIONS HAVE BEEN MADE FOR JACKING OF THE SUPERSTRUCTURE FOR REPLACEMENT OF THE BEARINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
3. PERMANENT STEEL DECK FORMS ARE NOT ALLOWED.
4. PERMANENT CONCRETE DECK FORMS ARE NOT ALLOWED.
5. DIMENSIONS SHOWN ARE GLOBAL HORIZONTAL AND VERTICAL PLANES.

**M. SUMMARY OF QUANTITIES**

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
211-0300	1307	CY	BRIDGE EXCAVATION, STREAM CROSSING
449-1800	2	EA	ELASTOMERIC PROFILE BRIDGE JOINT SEALS, BR NO - 1
500-0100	2700	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 1 (269)
500-1009	LUMP	LS	SUPERSTR CONCRETE, CL AAA, BR NO - 1 (3836)
500-2110	1590	LF	CONCRETE PARAPET, SPCL DESIGN
500-3002	1413	CY	CLASS AA CONCRETE
500-3700	129	CY	SEAL CONC
509-0005	LUMP	LS	PRESTRESSING CAST-IN-PLACE CONC, BR NO - 1 (228645)
511-1000	112514	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (671392)
524-0010	286	LF	DRILLED CAISSON - 66 IN
524-0010	348	LF	DRILLED CAISSON - 78 IN
524-0300	1	EA	LOAD TEST, CAISSON - 78 IN
524-0350	180	LF	TEST CORING
524-0500	1	EA	DEMONSTRATION TEST, CAISSON - 78 IN
525-1000	2	EA	COFFERDAM
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 14+55
581-1000	LUMP	LS	POT BEARING, BR NO - 1 (4)
603-2024	579	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	579	SY	PLASTIC FILTER FABRIC
607-3000	2712	SF	STONE FACING
627-1180	1294	CY	ADDITIONAL MSE BACKFILL

BRIDGE NO. 1



STATE OF GEORGIA  
**DEPARTMENT OF TRANSPORTATION**  
ENGINEERING DIVISION - OFFICE OF BRIDGE AND STRUCTURES

GENERAL NOTES (2 OF 2)

CR 1297 (BROAD AVE.) OVER FLINT RIVER  
DOUGHERTY COUNTY  
CSHPP-0007-00(550)  
CSSTP-M002-00(960)

NO SCALE  
NOVEMBER 2011

DRAWING NO. 35 - 003	DESIGNED JMO/JAH	CHECKED GBL	REVIEWED WEI/WMD
BRIDGE SHEET 3 OF 53	DRAWN JRL	DESIGN GROUP	APPROVED BFR