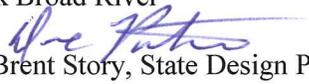


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I.# 0007158 **OFFICE** Design Policy & Support
CSBRG-0007-00(158)
Banks County
GDOT District 1 - Gainesville **DATE** 3/20/2015
SR 63 Bridge Replacement @ Middle
Fork Broad River
FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

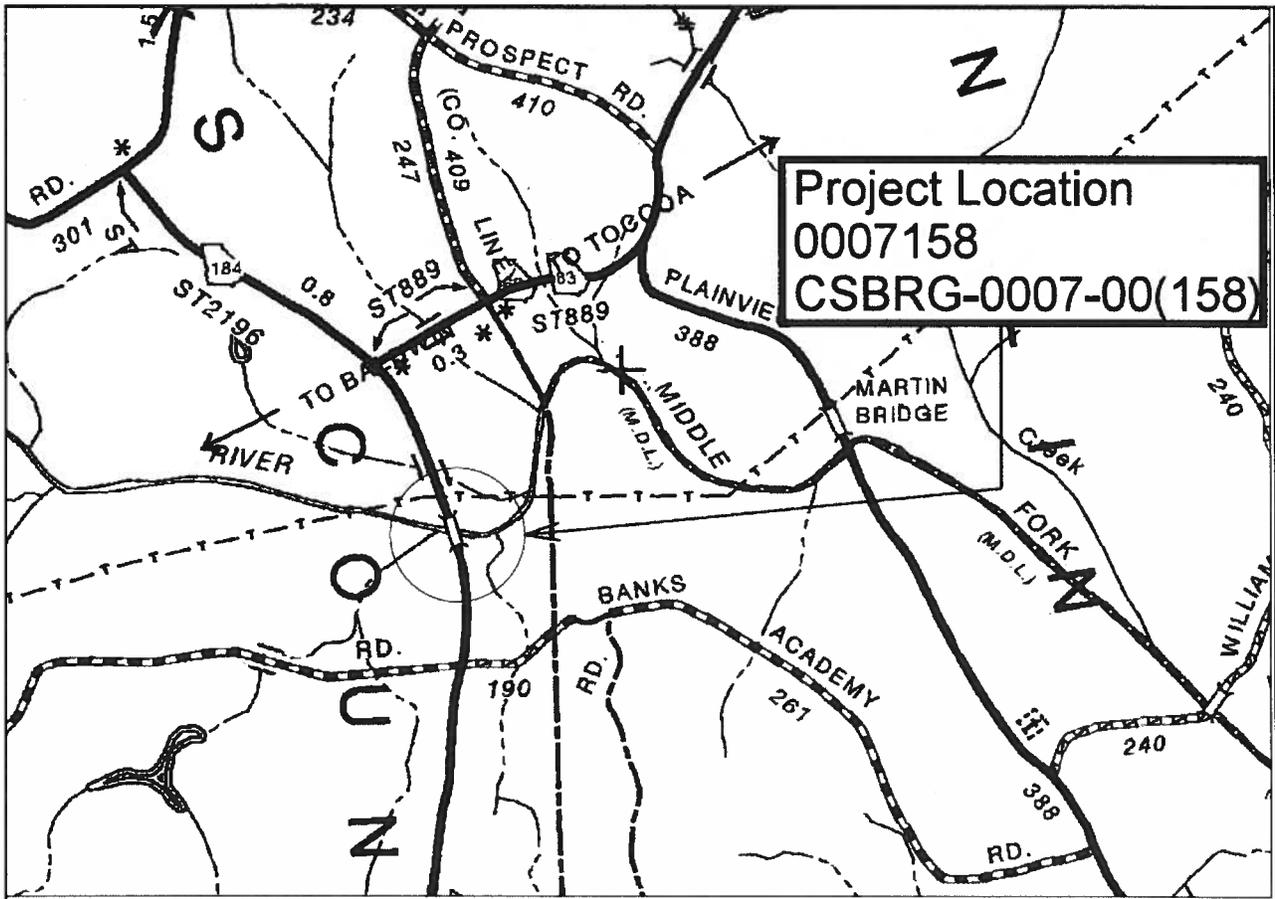
Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Joshua Taylor, Design Group Manager
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Tony Voyles, Area Engineer - D1, A3
Davida White, Project Manager
BOARD MEMBER - 9th Congressional District

PROJECT LOCATION



DETAILED COST ESTIMATE



Job: 0007158

JOB NUMBER 0007158

FED/STATE PROJECT NUMBER CSBRG-0007-00(158)

SPEC YEAR: 01

DESCRIPTION: SR63 @ MIDDLE FORK BROAD RIVER

ITEMS FOR JOB 0007158

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$100,000.00000	TRAFFIC CONTROL - TRAFFIC CONTROL	\$100,000.00
0054	153-1300	1.000	EA	\$72,798.64308	FIELD ENGINEERS OFFICE TP 3	\$72,798.64
0327	210-0100	1.000	LS	\$350,000.00000	GRADING COMPLETE - 1	\$350,000.00
0069	310-1101	2386.000	TN	\$21.82235	GR AGGR BASE CRS, INCL MATL	\$52,068.13
0009	402-3102	327.000	TN	\$85.65253	REC AC 9.5 MM SP,TPII, BL 1 INCL BM & HL	\$28,008.38
0008	402-3121	1633.000	TN	\$72.20003	RECYL AC 25MM SP,GP1/2,BM&HL	\$117,902.65
0019	402-3190	467.000	TN	\$91.84229	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$42,890.35
0024	413-1000	2507.000	GL	\$3.01760	BITUM TACK COAT	\$7,565.12
0272	432-0205	642.000	SY	\$3.53000	MILL ASPH CONC PVMT/ 1.25" DEP	\$2,266.26
0004	433-1000	96.000	SY	\$148.04774	REINF CONC APPROACH SLAB	\$14,212.58
0092	436-1000	1983.000	LF	\$8.27179	ASPH CONC CURB - 6 IN	\$16,402.96
0044	641-1100	80.000	LF	\$60.80273	GUARDRAIL, TP T	\$4,864.22
0049	641-1200	2387.000	LF	\$16.77810	GUARDRAIL, TP W	\$40,049.32
0034	641-5001	3.000	EA	\$774.49790	GUARDRAIL ANCHORAGE, TP 1	\$2,323.49
0039	641-5012	4.000	EA	\$1,939.67390	GUARDRAIL ANCHORAGE, TP 12	\$7,758.70
0287	643-8200	200.000	LF	\$1.56584	BARRIER FENCE (ORANGE), 4 FT	\$313.17
SUBTOTAL FOR ROADWAY:						\$859,423.97

0030 - EROSION CONTROL - TEMPORARY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0212	163-0232	4.000	AC	\$498.65902	TEMPORARY GRASSING	\$1,994.64
0217	163-0240	200.000	TN	\$162.48290	MULCH	\$32,496.58
0332	163-0300	2.000	EA	\$1,366.00627	CONSTRUCTION EXIT	\$2,732.01
0277	163-0529	104.000	LF	\$3.79871	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$395.07
0079	165-0030	5722.000	LF	\$0.64000	MAINT OF TEMP SILT FENCE, TP C	\$3,662.08
0282	165-0071	52.000	LF	\$1.61677	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$84.07
0337	165-0101	1.000	EA	\$537.07712	MAINT OF CONST EXIT	\$537.08
0074	171-0030	11443.000	LF	\$2.94000	TEMPORARY SILT FENCE, TYPE C	\$33,642.42
0342	643-8200	700.000	LF	\$1.40368	BARRIER FENCE (ORANGE), 4 FT	\$982.58
0059	716-1000	237.000	SY	\$1.82000	EROSION CONTROL MATS,WATERWAYS	\$431.34
0064	716-2000	15430.000	SY	\$1.09000	EROSION CONTROL MATS, SLOPES	\$16,818.70
SUBTOTAL FOR EROSION CONTROL - TEMPORARY:						\$93,776.57

DETAILED COST ESTIMATE



Job: 0007158

0040 - EROSION CONTROL - PERMANENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0207	700-6910	6.000	AC	\$1,215.44019	PERMANENT GRASSING	\$7,292.64
0242	700-7000	20.000	TN	\$77.61425	AGRICULTURAL LIME	\$1,552.29
0252	700-8000	6.000	TN	\$567.56296	FERTILIZER MIXED GRADE	\$3,405.38
0247	700-8100	305.000	LB	\$2.57916	FERTILIZER NITROGEN CONTENT	\$786.64
SUBTOTAL FOR EROSION CONTROL - PERMANENT:						\$13,036.95

0050 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0307	167-1000	1.000	EA	\$253.73755	WATER QUALITY MONITORING AND SAMPLING	\$253.74
0312	167-1500	18.000	MO	\$575.55069	WATER QUALITY INSPECTIONS	\$10,359.91
0082	441-0303	15.000	EA	\$1,622.21921	CONC SPILLWAY, TP 3	\$24,333.29
0292	500-3200	89.000	CY	\$359.18162	CL B CONC	\$31,967.16
0317	550-1180	82.000	LF	\$47.55058	STM DR PIPE 18",H 1-10	\$3,899.15
0322	550-4118	1.000	EA	\$357.66577	FLARED END SECT 18 IN, SIDE DR	\$357.67
0257	603-2182	368.000	SY	\$39.70706	STN DUMPED RIP RAP, TP 3, 24"	\$14,612.20
0297	603-7000	368.000	SY	\$3.22543	PLASTIC FILTER FABRIC	\$1,186.96
SUBTOTAL FOR DRAINAGE:						\$86,970.08

0060 - CULVERT #1-EXTENTION

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0097	500-3101	115.000	CY	\$704.50294	CLASS A CONCRETE	\$81,017.84
0102	511-1000	12743.000	LB	\$0.71549	BAR REINF STEEL	\$9,117.49
0197	610-9008	1.000	LS	\$30,000.00000	REM PR EX CLVT INC WWL/PPT STA 103+05.05	\$30,000.00
SUBTOTAL FOR CULVERT #1-EXTENTION:						\$120,135.33

0080 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0347	207-0203	48.000	CY	\$49.61733	FOUND BK FILL MATL, TP II	\$2,381.63
0352	211-0300	321.000	CY	\$29.17659	BR EXCAV, STREAM CROSSING	\$9,365.69
0357	500-0100	1056.000	SY	\$5.23482	GROOVED CONCRETE	\$5,527.97
0362	500-1011	1.000	LS	\$284,700.00000	SUPERSTR CONCRETE, CL D, BR NO - 365	\$284,700.00
0367	500-2100	487.000	LF	\$34.35235	CONCRETE BARRIER	\$16,729.59
0372	500-3002	302.000	CY	\$665.12710	CL AA CONCRETE	\$200,868.38
0377	507-9003	821.000	LF	\$130.73439	PSC BEAMS,AASHTO TP III,BR NO- 1	\$107,332.93
0382	507-9030	654.000	LF	\$145.95496	PSC BEAMS,AASHTO,BULB TEE, 54"	\$95,454.54
0387	511-1000	46313.000	LB	\$0.62403	BAR REINF STEEL	\$28,900.70
0392	511-3000	1.000	LS	\$64,415.00000	SUPERSTR REINF STEEL, BR NO - 80518	\$64,415.00
0397	520-0573	36.000	EA	\$159.57126	H-PILE POINTS, HP 14 X 73	\$5,744.57
0402	520-1147	1660.000	LF	\$52.40617	PIL-IN-PL,STEEL H,HP 14 X 73	\$86,994.24
0407	520-5000	648.000	LF	\$142.09672	PILOT HOLES	\$92,078.67
0417	522-1000	1.000	LS	\$50,000.00000	SHORING	\$50,000.00
0412	523-1100	2.000	EA	\$5,000.00000	DYNAMIC PILE TEST	\$10,000.00
0422	525-1000	4.000	EA	\$20,267.89802	COFFERDAM	\$81,071.59
0427	540-1101	1.000	LS	\$196,950.00000	REM OF EX BR, STA NO - STA NO. - 106+75	\$196,950.00
0432	603-2024	2250.000	SY	\$37.60825	STN DUMPED RIP RAP, TP 1, 24"	\$84,618.56
0437	603-7000	2250.000	SY	\$2.99882	PLASTIC FILTER FABRIC	\$6,747.35
SUBTOTAL FOR BRIDGE:						\$1,429,881.41

DETAILED COST ESTIMATE



Job: 0007158

0090 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0187	610-6515	8.000	EA	\$119.87284	REM HIGHWAY SIGN, STD	\$958.98
0192	636-1014	124.000	SF	\$135.67000	HWY SGN,TP1MAT,REFL SH TP 1	\$16,823.08
0202	636-2070	85.000	LF	\$7.14605	GALV STEEL POSTS, TP 7	\$607.41
0177	653-1501	3485.000	LF	\$0.61763	THERMO SOLID TRAF ST 5 IN, WHI	\$2,152.44
0182	653-1502	6970.000	LF	\$0.51267	THERMO SOLID TRAF ST, 5 IN YEL DOUBLE	\$3,573.31
SUBTOTAL FOR SIGNING AND MARKING:						\$24,116.22

TOTALS FOR JOB 0007158

ITEMS COST:	\$2,627,339.53
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,627,339.53
CONTINGENCY PERCENT:	0.05
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,890,073.48

PROJ. NO.
P.I. NO.
DATE

CSBRG-0007-00(158)
0007158
10/10/2015

CALL NO.

INDEX (TYPE)
REG. UNLEADED
DIESEL
LIQUID AC

DATE	INDEX
May-14	\$ 1.998
	\$ 2.777
	\$ 534.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

$PA = \left(\frac{APM - APL}{APL} \right) \times TMT \times APL$

Asphalt

Price Adjustment (PA)				38880.54	\$	38,880.54
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	854.40		
Monthly Asphalt Cement Price month project let (APL)			\$	534.00		
Total Monthly Tonnage of asphalt cement (TMT)				121.35		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	327	5.0%	16.35
25 mm SP	1633	5.0%	81.65
19 mm SP	467	5.0%	23.35
	2427		121.35

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	3,450.01	\$	3,450.01
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	854.40			
Monthly Asphalt Cement Price month project let (APL)			\$	534.00			
Total Monthly Tonnage of asphalt cement (TMT)				10.76781801			

Bitum Tack

Gals	gals/ton	tons
2507	232.8234	10.767818

PROJ. NO.

CSBRG-0007-00(158)

CALL NO.

P.I. NO.

0007158

DATE

10/10/2015

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	-
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	854.40		
Monthly Asphalt Cement Price month project let (APL)				\$	534.00		
Total Monthly Tonnage of asphalt cement (TMT)					0		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT **\$ 42,330.55**

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT CSBRG-0007-00(158), Banks County P.I. No. 0007158

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: March 20, 2015

The project consists of the replacement of the bridge on State Route (SR) 63 at the Middle Fork Broad River. The bridge deck needs to be elevated about five feet to help maintain the bridge deck above the water of potential floods. Adjustment of vertical curves along the bridge approaches will be needed to match the roadway to the raised bridge deck. As such, construction will extend the project limits from the bridge in both directions. The approach work limits begin 458 feet south of the existing bridge and 1,152 feet north of the existing bridge. The total approach work length is 1,914 feet. The proposed improvements include two 12-foot wide lanes (one lane in each direction) with 8-foot wide rural shoulders (2-foot paved).

This project is located within Banks County, Georgia Militia Districts 284 and 371.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Tony Voyles
GDOT District 1, Area 3 Engineer
tvoyles@dot.ga.gov
301 Conger Road
Carnesville, GA 30521
(706) 384-7269

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby III
GDOT Office of Program Delivery
Attn: *David White*
dwhite@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor Cubicle 2529
Atlanta, GA 30308
(404) 631-1717

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.