

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0007168
CSBRG-0007-00(168)
GDOT District 2 - Tennille
Columbia County
Bridge Replacement - SR 47 &
Greenbrier Creek

OFFICE Design Policy & Support

DATE July 10, 2013

FROM  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

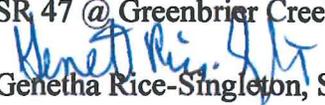
DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
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Ben Rabun, State Bridge Engineer
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Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Todd Price
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Jimmy Smith, District Engineer
Neal O'Brien, District Preconstruction Engineer
Vonda Everett, District Planning & Programming Engineer
Rodney Way, Area Engineer - D2, A4
George Brewer, Project Manager
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0007-00(168), Columbia County **OFFICE** Program Delivery
P.I. No. 0007168
SR 47 @ Greenbrier Creek **DATE** June 24, 2013

FROM 
Genetha Rice-Singleton, State Program Delivery Engineer

TO Brent Story, P.E., State Design Policy Engineer
Attention: Dave Peters

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The proposed project will replace the existing 129 ft. x 34 ft. bridge on SR 47 over Greenbrier Creek, located 2.5 miles northeast of the City of Appling in Columbia County. The proposed bridge will be 180 ft. x 36 ft. The length of the proposed project is approximately 0.18 miles, beginning at ML 9.95 and extending to ML 10.13. The proposed typical section will consist of two 12 ft. lanes and 2 ft. paved/4 ft. grassed shoulders. State Route 47 will be closed during construction and traffic will be detoured using CR 986/Ray Owens Road and SR 150.

Concept Approval Date: The original concept was approved on November 8, 2007. A revision to the approved concept was approved on August 16, 2012.

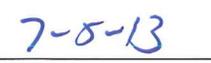
Environmental Document Type, Approval Date, & any Reevaluations A Categorical Exclusion was approved June 21, 2013.

Public Involvement: A Detour Open House was held January 24, 2012 with a total of 17 people in attendance. A total of 5 comments were received with 2 comments being in support of the detour and 3 uncommitted.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: This Office recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR:  _____  _____
Director of Engineering Date

APPROVE:  _____  _____
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL:

JULY 10, 2013

(To be entered by the State Conceptual Design
Group Manager)

Attachments:

- Sketch Map
- Notice of Location and Design Approval
- Cost Estimate

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. CSBRG-0007-00(168), Columbia County P. I. No. 0007168

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 approval is July 10, 2013.

The proposed project will replace the existing 129 ft. x 34 ft. bridge on SR 47 over Greenbrier Creek, located 2.5 miles northeast of the City of Appling in Columbia County, and in the 129th and 131st Georgia Militia Districts. The proposed bridge will be 180 ft. x 36 ft. The length of the proposed project is approximately 0.18 miles, beginning at ML 9.95 and extending to ML 10.13. The proposed typical section will consist of two 12 ft. lanes and 2 ft. paved/4 ft. grassed shoulders. State Route 47 will be closed during construction and traffic will be detoured using CR 986/Ray Owens Road and SR 150.

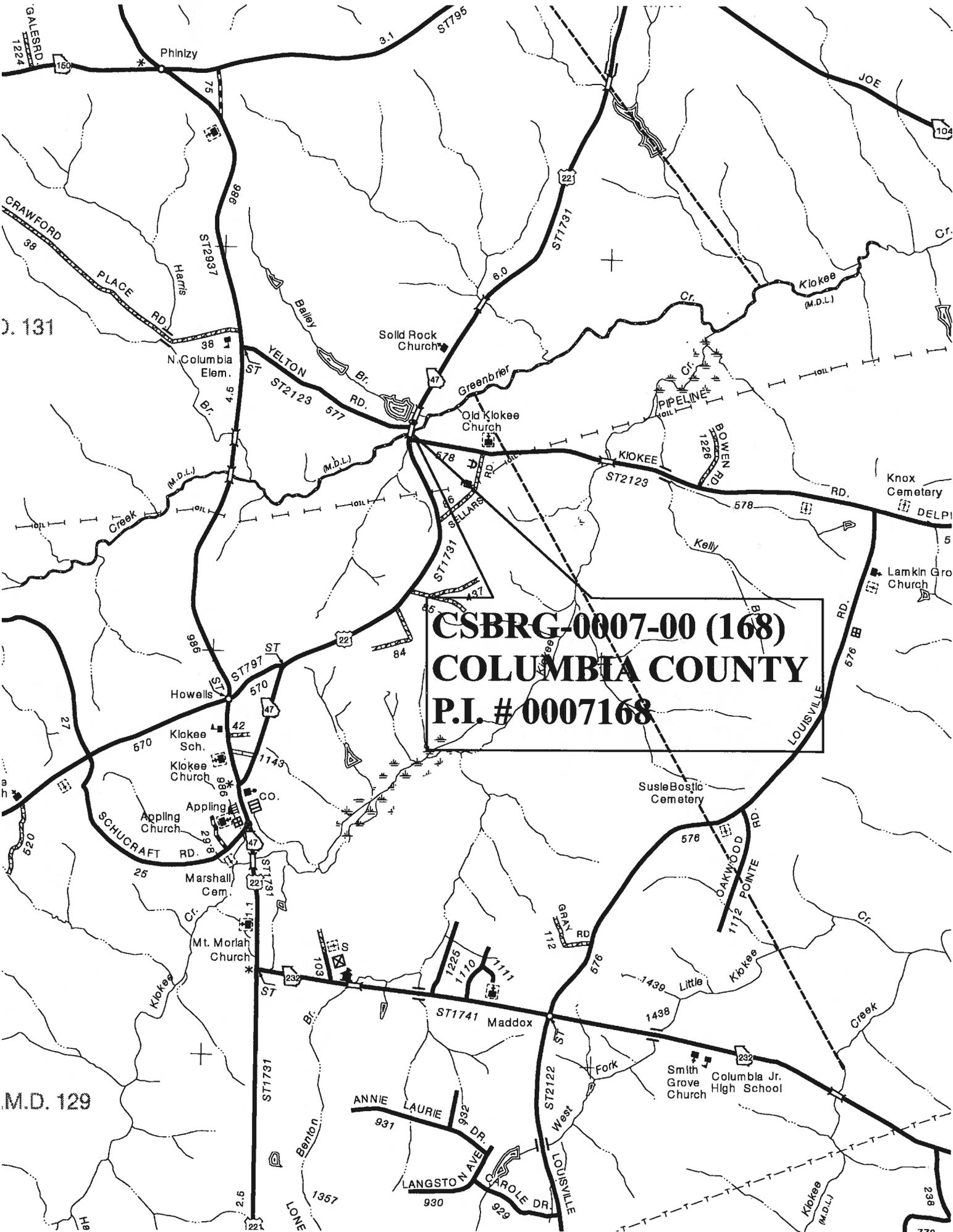
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Rodney Way
Georgia Department of Transportation
Area 4 Office, District 2
4260 Frontage Rd
Augusta, Georgia 30909
rway@dot.ga.gov
(706) 855-3466

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:

Genetha Rice-Singleton
Georgia Department of Transportation
Office of Program Delivery
600 West Peachtree Street, N.W., 25th Floor
Atlanta, Georgia 30308
grice-singleton@dot.ga.gov
(404) 631-1522

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.



CSBRG-0007-00 (168)
COLUMBIA COUNTY
P.I. # 0007168

D. 131

M.D. 129

238

779

DETAILED COST ESTIMATE



Job: 0007168_MS

JOB NUMBER 0007168_MS

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: BRIDGE REPLACEMENT ON SR 47/US221 OVER GREENBRIER CREEK
2.5 MILES NE OF APPLING

ITEMS FOR JOB 0007168_MS

10 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$36,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(168)	\$36,000.00
0025	207-0203	55.000	CY	\$38.00000	FOUND BK FILL MATL, TP II	\$2,090.00
0029	210-0100	1.000	LS	\$282,000.00000	GRADING COMPLETE - CSBRG-0007-00(168)	\$282,000.00
0030	310-1101	4443.000	TN	\$17.00000	GR AGGR BASE CRS, INCL MATL	\$75,531.00
0035	318-3000	200.000	TN	\$20.00000	AGGR SURF CRS	\$4,000.00
0040	402-1812	200.000	TN	\$75.00000	RECYL AC LEVELING, INC BM&HL	\$15,000.00
0045	402-3101	775.000	TN	\$83.00000	REC AC 9.5 MM SP, TPI, BL 1 INCL BM & HL	\$64,325.00
0050	402-3121	1002.000	TN	\$61.00000	RECYL AC 25MM SP, GP1/2, BM&HL	\$61,122.00
0055	402-3190	1125.000	TN	\$66.00000	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$74,250.00
0060	413-1000	730.000	GL	\$3.00000	BITUM TACK COAT	\$2,190.00
0063	433-1000	257.000	SY	\$150.00000	REINF CONC APPROACH SLAB	\$38,550.00
0068	436-1000	155.000	LF	\$8.00000	ASPH CONC CURB - 6 IN	\$1,240.00
0074	441-0303	1.000	EA	\$1,750.00000	CONC SPILLWAY, TP 3	\$1,750.00
0079	446-1100	1800.000	LF	\$3.00000	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$5,400.00
0089	500-3800	10.000	CY	\$905.00000	CL A CONC, INCL REINF STEEL	\$9,050.00
0099	540-1102	1.000	LS	\$153,510.00000	REM OF EX BR, BR NO - (129' X 34' X \$35)	\$153,510.00
0104	543-9000	1.000	LS	\$486,000.00000	CONSTR OF BRIDGE COMPLETE - (180' X 36' X \$75)	\$486,000.00
0114	550-1480	76.000	LF	\$96.00000	STM DR PIPE 48", H 1-10	\$7,296.00
0119	550-2240	75.000	LF	\$33.00000	SIDE DR PIPE 24", H 1-10	\$2,475.00
0124	550-3624	4.000	EA	\$710.00000	SAFETY END SECTION 24", SD, 6:1	\$2,840.00
0134	603-2024	770.000	SY	\$40.00000	STN DUMPED RIP RAP, TP 1, 24"	\$30,800.00
0143	603-7000	770.000	SY	\$3.00000	PLASTIC FILTER FABRIC	\$2,310.00
0144	634-1200	6.000	EA	\$115.00000	RIGHT OF WAY MARKERS	\$690.00
0149	641-1100	84.000	LF	\$48.00000	GUARDRAIL, TP T	\$4,032.00
0154	641-1200	1764.000	LF	\$16.00000	GUARDRAIL, TP W	\$28,224.00
0159	641-5001	4.000	EA	\$730.00000	GUARDRAIL ANCHORAGE, TP 1	\$2,920.00
0164	641-5012	4.000	EA	\$1,968.00000	GUARDRAIL ANCHORAGE, TP 12	\$7,872.00
SUBTOTAL FOR ROADWAY:						\$1,401,467.00

DETAILED COST ESTIMATE



Job: 0007168_MS

20 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0184	163-0232	5.000	AC	\$600.00000	TEMPORARY GRASSING	\$3,000.00
0189	163-0240	125.000	TN	\$250.00000	MULCH	\$31,250.00
0194	163-0300	4.000	EA	\$1,200.00000	CONSTRUCTION EXIT	\$4,800.00
0199	163-0520	400.000	LF	\$15.00000	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$6,000.00
0204	163-0527	35.000	EA	\$221.00000	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$7,735.00
0209	163-0528	1704.000	LF	\$3.00000	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$5,112.00
0214	165-0030	2400.000	LF	\$1.00000	MAINT OF TEMP SILT FENCE, TP C	\$2,400.00
0219	165-0041	1202.000	LF	\$2.50000	MAINT OF CHECK DAMS - ALL TYPES	\$3,005.00
0224	165-0101	4.000	EA	\$700.00000	MAINT OF CONST EXIT	\$2,800.00
0229	167-1000	2.000	EA	\$500.00000	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0234	167-1500	12.000	MO	\$500.00000	WATER QUALITY INSPECTIONS	\$6,000.00
0239	171-0030	4800.000	LF	\$3.00000	TEMPORARY SILT FENCE, TYPE C	\$14,400.00
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$87,502.00

30 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0243	573-2004	500.000	LF	\$15.00000	UNDDR PIPE INCL DRAIN AGGR 4"	\$7,500.00
0244	603-2181	2181.000	SY	\$62.00000	STN DUMPED RIP RAP, TP 3, 18"	\$135,222.00
0254	603-7000	235.000	SY	\$3.00000	PLASTIC FILTER FABRIC	\$705.00
0259	643-8200	325.000	LF	\$1.50000	BARRIER FENCE (ORANGE), 4 FT	\$487.50
0264	700-6910	9.000	AC	\$1,000.00000	PERMANENT GRASSING	\$9,000.00
0269	700-7000	26.000	TN	\$65.00000	AGRICULTURAL LIME	\$1,690.00
0274	700-8000	7.000	TN	\$450.00000	FERTILIZER MIXED GRADE	\$3,150.00
0279	700-8100	430.000	LB	\$2.30000	FERTILIZER NITROGEN CONTENT	\$989.00
0284	710-9000	90.000	SY	\$3.00000	PERM SOIL REINFORCING MAT	\$270.00
0289	716-2000	5400.000	SY	\$1.24000	EROSION CONTROL MATS, SLOPES	\$6,696.00
SUBTOTAL FOR EROSION CONTROL:						\$165,709.50

40 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0294	636-1020	28.000	SF	\$17.00000	HWY SGN,TP1MAT,REFL SH TP3	\$476.00
0299	636-1033	79.000	SF	\$22.00000	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,738.00
0304	636-2070	248.000	LF	\$8.00000	GALV STEEL POSTS, TP 7	\$1,984.00
0309	653-1501	5212.000	LF	\$0.50000	THERMO SOLID TRAF ST 5 IN, WHI	\$2,606.00
0314	653-1502	5131.000	LF	\$0.55000	THERMO SOLID TRAF ST, 5 IN YEL	\$2,822.05
0319	653-1704	83.000	LF	\$5.00000	THERM SOLID TRAF STRIPE,24",WH	\$415.00
0324	653-3502	710.000	GLF	\$0.40000	THERMO SKIP TRAF ST, 5 IN, YEL	\$284.00
0329	654-1001	65.000	EA	\$3.00000	RAISED PVMT MARKERS TP 1	\$195.00
0334	654-1002	9.000	EA	\$3.00000	RAISED PVMT MARKERS TP 2	\$27.00
0339	657-1085	360.000	LF	\$6.00000	PRF PL SD PVT MKG,8",B/W,TP PB	\$2,160.00
0344	657-6085	360.000	LF	\$6.00000	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$2,160.00
SUBTOTAL FOR SIGNING AND MARKING:						\$14,867.05

TOTALS FOR JOB 0007168_MS

DETAILED COST ESTIMATE



Job: 0007168_MS

ITEMS COST:	\$1,669,545.55
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,669,545.55
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,669,545.55