

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0007159 **OFFICE** Design Policy & Support  
CSBRG-0007-00(159)  
GDOT District 1 - Gainesville  
Barrow County **DATE** January 28, 2014  
SR 211 Bridge Replacement @ Beech Creek

**FROM** *for [Signature]* 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  
Genetha Rice-Singleton, State Program Delivery Engineer  
Glenn Bowman, State Environmental Administrator  
Ben Rabun, State Bridge Engineer  
Kathy Zahul, State Traffic Engineer  
Phil Copeland, State Right-of-Way Administrator  
Lisa Myers, State Project Review Engineer  
Andy Casey, State Roadway Design Engineer  
Attn: Justin Lott  
Cindy VanDyke, State Transportation Planning Administrator  
Jeff Fletcher, Location Bureau Chief  
Angela Robinson, Financial Management Administrator  
Bayne Smith, District Engineer  
Brent Cook, District Preconstruction Engineer  
Kim Coley, District Planning & Programming Engineer  
Dana Garrison, Area Engineer - D1, A2  
Davida White, Project Manager  
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

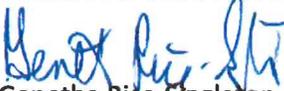
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**INTEROFFICE CORRESPONDENCE  
LOCATION AND DESIGN REPORT**

**FILE** P.I. 0007159  
CSBRG-0007-00(159)  
Barrow County  
SR 211 over Beech Creek

**OFFICE** Program Delivery

**DATE** November 25, 2013

**FROM**   
Genetha Rice-Singleton, State Program Delivery Engineer

**TO** Brent Story, P.E., State Design Policy Engineer  
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

**SUBJECT** Request for Location and Design Approval

**Description and Project Proposal:** Project CSBRG-0007-00(159), P.I. No. 0007159 will consist of the removal of the existing bridge structure and replacement on existing alignment. The proposed project length is 0.21 miles with the bridge being approximately 140 feet long. The reconstructed road and bridge will have two 12 foot travel lanes with 8 foot shoulders on each side. The project is located in Barrow County in Georgia Militia District 246 approximately 6.8 miles east of Winder.

**Concept Approval Date:** February 6, 2012

**Concept Update:** No Changes

**Environmental Document:**

Document Type: Categorical Exclusion

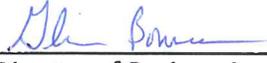
Approval Date: *January 16, 2014* <sup>EHP</sup>

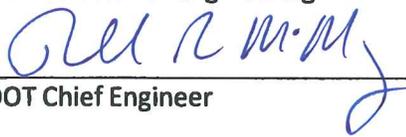
**Temporary State Route Needed:**       No       Yes       Undetermined

**Public Involvement:** A Detour Public Meeting was held on May 31, 2012 at the Barrow County Administrative Annex in Winder, GA. There were three people who attended the Detour Public Meeting and no comments were received. There were no public officials in attendance and no changes were made since no comments were received.

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

**Recommendations:** Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR:   
GDOT Director of Engineering

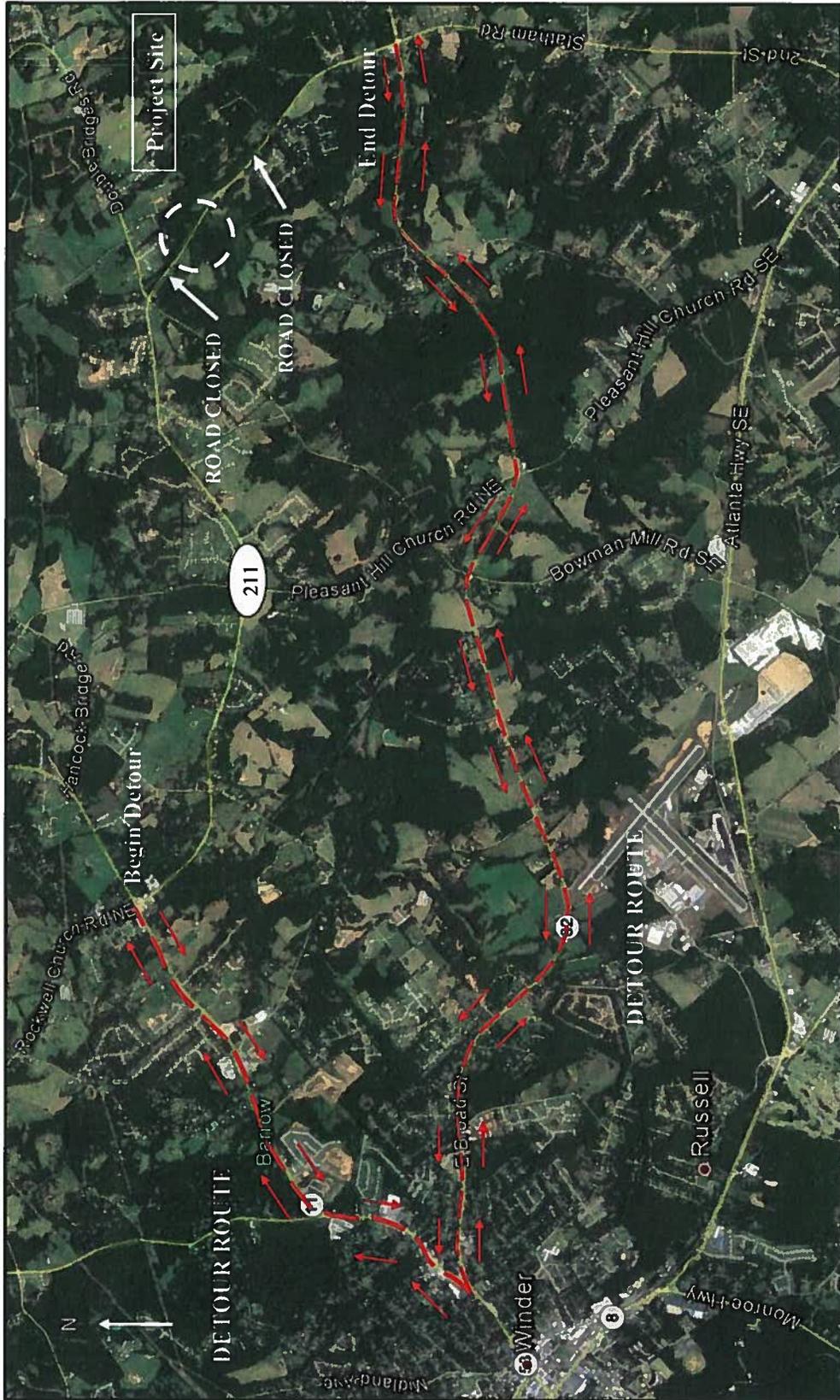
APPROVE:   
GDOT Chief Engineer

1/24/14  
Date

DATE OF LOCATION AND DESIGN APPROVAL: January 28, 2014  
(To be entered by State Conceptual Design Group Manager)

Attachments:

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



PI 0007159 SR 211 @ Beech Creek  
 LOCATION MAP  
 Detour Length 10.75 miles

# DETAILED COST ESTIMATE



**Job: 0007159**

**JOB NUMBER** 0007159

**FED/STATE PROJECT NUMBER**

**SPEC YEAR:** 01

**DESCRIPTION:** BRIDGE REPLACEMENT, SR 211 @ BEECH CREEK 6.8 MI. E OF WINDER

ITEMS FOR JOB 0007159

**0010 - ROADWAY ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	150-0001	1.000	LS	\$25,000.00000	TRAFFIC CONTROL, NON-REFUNDABLE DEDUCT	\$25,000.00
0020	210-0100	1.000	LS	\$50,000.00000	GRADING COMPLETE - GRADING COMPLETE	\$50,000.00
0035	310-1101	1750.000	TN	\$18.55431	GR AGGR BASE CRS, INCL MATL	\$32,470.04
0031	402-1812	400.000	TN	\$71.39758	RECYL AC LEVELING, INC BM&HL	\$28,559.03
0025	402-3100	220.000	TN	\$76.12491	REC AC 9.5 MM SP, TPI, GP1 OR BL1, INCL BM&HL	\$16,747.48
0030	402-3190	320.000	TN	\$72.14358	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$23,085.95
0170	413-1000	150.000	GL	\$3.17320	BITUM TACK COAT	\$475.98
0015	433-1200	267.000	SY	\$156.67168	REF CONC APPR SL/I SLOPED EDGE	\$41,831.34
0195	500-3201	70.000	CY	\$585.47082	CL B CONC, RET WALL	\$40,982.96
0040	540-1102	1.000	LS	\$36,576.62000	REM OF EX BR, BR NO - REMOVE EXIST BRIDGE	\$36,576.62
0215	550-1180	250.000	LF	\$28.80089	STM DR PIPE 18", H 1-10	\$7,200.22
0225	550-3318	1.000	EA	\$633.93601	SAFETY END SECTION 18", STD, 4:1	\$633.94
0220	550-4118	1.000	EA	\$413.12290	FLARED END SECT 18 IN, SIDE DR	\$413.12
0185	641-1100	83.000	LF	\$62.71872	GUARDRAIL, TP T	\$5,205.65
0180	641-1200	520.000	LF	\$16.99971	GUARDRAIL, TP W	\$8,839.85
0050	641-5012	4.000	EA	\$1,833.48182	GUARDRAIL ANCHORAGE, TP 12	\$7,333.93
0235	643-8200	947.000	LF	\$1.77083	BARRIER FENCE (ORANGE), 4 FT	\$1,676.98
0055	653-1501	1150.000	LF	\$0.52701	THERMO SOLID TRAF ST 5 IN, WHI	\$606.06
0060	653-1502	1150.000	LF	\$0.47921	THERMO SOLID TRAF ST, 5 IN YEL	\$551.09
0230	668-2231	3.000	EA	\$3,200.00000	DROP INLET, GP 1, MOD TP M-1	\$9,600.00
<b>SUBTOTAL FOR ROADWAY ITEMS:</b>						<b>\$337,790.24</b>

# DETAILED COST ESTIMATE



**Job: 0007159**

**0020 - EROSION CONTROL ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0125	163-0232	1.250	AC	\$400.62500	TEMPORARY GRASSING	\$500.78
0075	163-0240	44.000	TN	\$253.99264	MULCH	\$11,175.68
0070	163-0300	4.000	EA	\$1,166.06677	CONSTRUCTION EXIT	\$4,664.27
0080	163-0520	120.000	LF	\$12.67347	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$1,520.82
0085	163-0527	6.000	EA	\$283.10159	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$1,698.61
0095	163-0541	2.000	EA	\$412.91546	CONSTR & REM ROCK FILTER DAMS	\$825.83
0105	165-0030	1250.000	LF	\$0.81407	MAINT OF TEMP SILT FENCE, TP C	\$1,017.59
0115	165-0041	6.000	LF	\$2.81106	MAINT OF CHECK DAMS - ALL TYPES	\$16.87
0110	165-0101	4.000	EA	\$631.43061	MAINT OF CONST EXIT	\$2,525.72
0130	167-1000	2.000	EA	\$610.70939	WATER QUALITY MONITORING AND SAMPLING	\$1,221.42
0135	167-1500	12.000	MO	\$970.40763	WATER QUALITY INSPECTIONS	\$11,644.89
0100	171-0030	2500.000	LF	\$3.21712	TEMPORARY SILT FENCE, TYPE C	\$8,042.80
0190	603-2024	760.000	SY	\$40.48515	STN DUMPED RIP RAP, TP 1, 24"	\$30,768.71
0140	700-6910	2.500	AC	\$605.92593	PERMANENT GRASSING	\$1,514.81
0145	700-7000	11.250	TN	\$64.58523	AGRICULTURAL LIME	\$726.58
0150	700-8000	3.250	TN	\$348.74419	FERTILIZER MIXED GRADE	\$1,133.42
0155	700-8100	125.000	LB	\$2.54944	FERTILIZER NITROGEN CONTENT	\$318.68
0160	716-2000	1200.000	SY	\$1.04799	EROSION CONTROL MATS, SLOPES	\$1,257.59
0210	999-3155	500.000	LF	\$50.00000	DRY SWALE EDGE DRAIN	\$25,000.00
<b>SUBTOTAL FOR EROSION CONTROL ITEMS:</b>						<b>\$105,575.07</b>

**0030 - BRIDGE ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0045	543-9000	1.000	LS	\$520,000.00000	CONSTR OF BRIDGE COMPLETE - PROP BRIDGE CONST	\$520,000.00
<b>SUBTOTAL FOR BRIDGE ITEMS:</b>						<b>\$520,000.00</b>

**0040 - SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	636-1020	18.500	SF	\$15.10514	HWY SGN,TP1MAT,REFL SH TP3	\$279.45
0245	636-1029	25.000	SF	\$16.90479	HWY SGN,TP2 MATL,REFL SH TP 3	\$422.62
0250	636-1033	36.000	SF	\$20.47936	HWY SIGNS, TP1MAT,REFL SH TP 9	\$737.26
0255	636-2070	106.500	LF	\$7.76474	GALV STEEL POSTS, TP 7	\$826.94
0260	636-2090	25.000	LF	\$9.28172	GALV STEEL POSTS, TP 9	\$232.04
0200	657-1054	400.000	LF	\$4.49295	PRF PL SD PVMT MKG,5",WH,TP PB	\$1,797.18
0205	657-3054	400.000	GLF	\$2.82446	PRF PL SK PVMT MKG,5",WH,TP PB	\$1,129.78
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$5,425.27</b>

**TOTALS FOR JOB 0007159**

<b>ITEMS COST:</b>	<b>\$968,790.58</b>
<b>COST GROUP COST:</b>	<b>\$0.00</b>
<b>ESTIMATED COST:</b>	<b>\$968,790.58</b>
<b>CONTINGENCY PERCENT:</b>	<b>0.00</b>
<b>ENGINEERING AND INSPECTION:</b>	<b>0.05</b>
<b>ESTIMATED COST WITH CONTINGENCY AND E&amp;I:</b>	<b>\$1,017,230.11</b>

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**CSBRG-0007-00(159), BARROW COUNTY**  
**P. I. 0007159**

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: January 28, 2014

Project CSBRG-0007-00(159), P.I. No. 0007159 will consist of the removal of the State Route 211 existing bridge structure at Beech Creek and replacement on existing alignment. The proposed project length is 0.21 miles with the bridge being approximately 140 feet long. The reconstructed road and bridge will have two 12 foot travel lanes with 8 foot shoulders on each side. The project is located in Barrow County in Georgia Militia District 246, approximately 6.8 miles east of Winder.

The bridge will be built using an off-site detour. The proposed detour consists of utilizing the existing travel way of State Route 11/211 that begins northeast of the city of Winder and continues into the city of Winder. At the intersection of State Route 11/211 and State Route 82 the proposed detour continues on State Route 82 due east of the city of Winder, then back to State Route 211. Once the new bridge is complete, the roadway will be reopened to traffic.

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:

Dana Garrison  
Georgia Department of Transportation  
Area 2-Athens Office  
450 Old Hull Road  
Athens, GA 30601  
Office: (706)-583-2644  
E-mail: [dagarrison@dot.ga.gov](mailto:dagarrison@dot.ga.gov)

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  
Office of Program Delivery  
Georgia Department of Transportation  
Office of Program Delivery  
600 West Peachtree Street, 25<sup>th</sup> Floor  
Atlanta, Georgia 30308  
Office: (404)-631-1522  
E-mail: [grice-singleton@dot.ga.gov](mailto:grice-singleton@dot.ga.gov)

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.