

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0007169 **OFFICE** Design Policy & Support  
CSBRG-0007-00(169)  
Dawson County  
GDOT District 1 - Gainesville  
SR 136 @ Etowah River **DATE** May 1, 2015  
5.7 miles East of Dawsonville  
Bridge Replacement

**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  
Paul Tanner, Asst. State Transportation Data Administrator  
Attn: Systems & Classification Branch  
Andy Casey, State Roadway Design Engineer  
Justin Lott, District Design Engineer  
Richard Cobb, Location Bureau Chief  
Brent Cook, District Engineer  
Brandon Kirby, District Preconstruction Engineer  
Kim Coley, District Planning & Programming Engineer  
Matthew Needham, Area Engineer - D1, A1  
Davida White, Project Manager  
BOARD MEMBER - 9th Congressional District



James Swafford, Dawson County Board of Commissioners; David McKee, Dawson County Planning and Development; Mike Berg, Dawson County Board of Commissioners

No changes were made to the project as a result of the meeting.

**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.

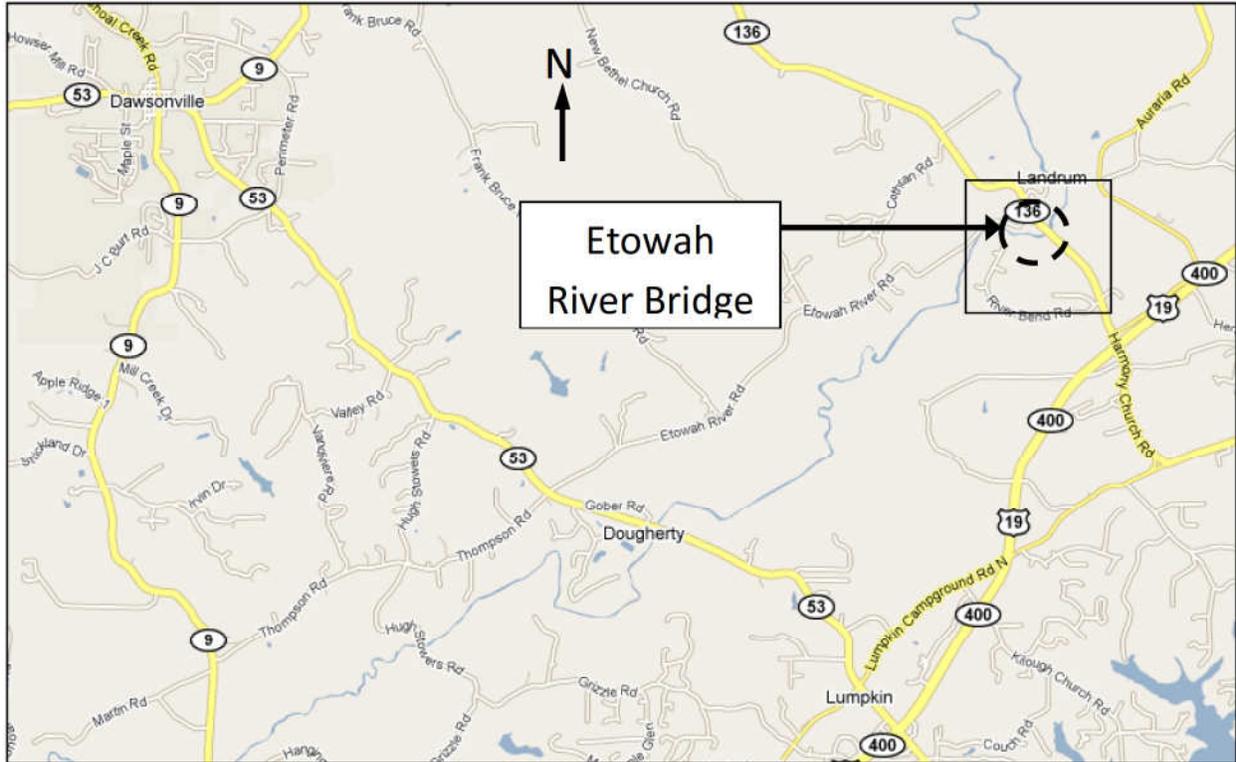
CONCUR: *Alan Brown*  
GDOT Director of Engineering

APPROVE: *Margaret B. Puccio* *2.2.2015*  
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *May 1, 2015*  
(To be entered by State Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Construction Cost Estimate
- Notice of Location and Design Approval
- *Environmental Certification for ROW Authorization*



***Project Location Map***  
Bridge Replacement on SR 136 at Etowah River  
Dawson County

# DETAILED COST ESTIMATE



**Job: 0007169\_DSGN1**

**JOB NUMBER** 0007169\_DSGN1

**FED/STATE PROJECT NUMBER** CSBRG-0007-00(169)

**SPEC YEAR:** 13

**DESCRIPTION:** ESTIMATE FOR BRIDGE REPLACEMENT ON S.R. 136  
BRIDGE OVER ETOWAH RIVER 5.7 MI EAST OF DAWSONVILLE

**ITEMS FOR JOB 0007169\_DSGN1**

**0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$15,000.00000	TRAFFIC CONTROL - TRAFFIC CTRL	\$15,000.00
0375	153-1300	1.000	EA	\$77,815.22833	FIELD ENGINEERS OFFICE TP 3	\$77,815.23
0015	210-0100	1.000	LS	\$96,500.00000	GRADING COMPLETE - GRADING COMPLETE	\$96,500.00
0055	310-1101	1806.000	TN	\$20.72000	GR AGGR BASE CRS, INCL MATL	\$37,420.32
0220	402-1812	51.000	TN	\$78.18322	RECYL AC LEVELING,INC BM&HL	\$3,987.34
0075	402-3103	319.000	TN	\$75.65293	REC AC 9.5 MM SP,TPII,GP2, INCL BM & H L	\$24,133.28
0060	402-3121	871.000	TN	\$64.13111	RECYL AC 25MM SP,GP1/2,BM&HL	\$55,858.20
0070	402-3190	485.000	TN	\$70.02768	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$33,963.42
0080	413-1000	247.000	GL	\$3.02272	BITUM TACK COAT	\$746.61
0315	432-5010	2027.000	SY	\$4.71111	MILL ASPH CONC PVMT,VARB DEPTH	\$9,549.42
0020	433-1000	284.000	SY	\$126.07262	REINF CONC APPROACH SLAB	\$35,804.62
0225	456-2015	0.300	GLM	\$1,380.97067	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$414.29
0035	641-1100	83.000	LF	\$62.71872	GUARDRAIL, TP T	\$5,205.65
0040	641-1200	1061.000	LF	\$15.91273	GUARDRAIL, TP W	\$16,883.41
0045	641-5001	2.000	EA	\$684.10000	GUARDRAIL ANCHORAGE, TP 1	\$1,368.20
0050	641-5012	2.000	EA	\$1,820.62547	GUARDRAIL ANCHORAGE, TP 12	\$3,641.25
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$418,291.24</b>

**0020 - DRAINAGE**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0390	441-0301	1.000	EA	\$1,722.74471	CONC SPILLWAY, TP 1	\$1,722.74
0395	441-0302	1.000	EA	\$2,075.90909	CONC SPILLWAY, TP 2	\$2,075.91
0405	500-3101	13.340	CY	\$362.92346	CLASS A CONCRETE	\$4,841.40
0410	511-1000	1836.000	LB	\$0.82000	BAR REINF STEEL	\$1,505.52
0260	550-1240	47.000	LF	\$42.80214	STM DR PIPE 24,H 1-10	\$2,011.70
0320	550-4224	1.000	EA	\$605.65110	FLARED END SECT 24 IN, ST DR	\$605.65
0400	576-1018	50.000	LF	\$39.57380	SLOPE DRAIN PIPE, 18 IN	\$1,978.69
0275	603-2180	69.200	SY	\$33.67239	STN DUMPED RIP RAP, TP 3, 12	\$2,330.13
0280	603-2181	63.000	SY	\$38.77390	STN DUMPED RIP RAP, TP 3, 18	\$2,442.76
0385	999-3155	192.000	LF	\$56.74000	DRY SWALE EDGE DRAIN	\$10,894.08
<b>SUBTOTAL FOR DRAINAGE:</b>						<b>\$30,408.58</b>

# DETAILED COST ESTIMATE



**Job: 0007169 DSGN1**

**0030 - SIGNING & MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	636-1020	30.500	SF	\$14.70069	HWY SGN,TP1MAT,REFL SH TP3	\$448.37
0250	636-1029	24.000	SF	\$16.92798	HWY SGN,TP2 MATL,REFL SH TP 3	\$406.27
0255	636-2070	66.000	LF	\$8.06516	GALV STEEL POSTS, TP 7	\$532.30
0415	636-2090	29.000	LF	\$9.24372	GALV STEEL POSTS, TP 9	\$268.07
0085	653-1501	1590.000	LF	\$0.49892	THERMO SOLID TRAF ST 5 IN, WHI	\$793.28
0090	653-1502	1590.000	LF	\$0.45615	THERMO SOLID TRAF ST, 5 IN YEL	\$725.28
0095	654-1001	28.000	EA	\$5.27490	RAISED PVMT MARKERS TP 1	\$147.70
0235	657-1085	640.000	LF	\$5.42823	PRF PL SD PVT MKG,8,B/W,TP PB	\$3,474.07
0240	657-6085	640.000	LF	\$5.72451	PRF PL SD PVMT MKG,8,B/Y,TPPB	\$3,663.69
<b>SUBTOTAL FOR SIGNING &amp; MARKING:</b>						<b>\$10,459.03</b>

**0040 - BRIDGE REPLACEMENT**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0420	211-0300	98.000	CY	\$33.81152	BR EXCAV, STREAM CROSSING	\$3,313.53
0425	500-0100	1098.000	SY	\$3.72543	GROOVED CONCRETE	\$4,090.52
0430	500-1006	1.000	LS	\$309,655.13000	SUPERSTR CONCRETE, CL AA, BR NO - 1 (353)	\$309,655.13
0435	500-2100	508.000	LF	\$44.07737	CONCRETE BARRIER	\$22,391.30
0440	500-3002	141.000	CY	\$433.56439	CL AA CONCRETE	\$61,132.58
0445	507-9002	704.000	LF	\$91.63642	PSC BEAMS,AASHTO TP II, BR NO- 1	\$64,512.04
0450	507-9032	835.000	LF	\$184.97885	PSC BEAMS,AASHTO,BULB TEE, 72 BR NO - 1	\$154,457.34
0455	511-1000	27502.000	LB	\$0.68091	BAR REINF STEEL	\$18,726.39
0460	511-3000	1.000	LS	\$99,032.28000	SUPERSTR REINF STEEL, BR NO - 1 (81174)	\$99,032.28
0465	520-0573	24.000	EA	\$169.81961	H-PILE POINTS, HP 14 X 73	\$4,075.67
0470	520-1104	508.000	LF	\$47.42100	PIL-IN-PL,STEEL H,HP 10 X 42	\$24,089.87
0475	520-1147	648.000	LF	\$56.79578	PIL-IN-PL,STEEL H,HP 14 X 73	\$36,803.67
0480	520-4104	1.000	EA	\$1.00231	LOAD TEST, STEEL H, HP 10 X 42	\$1.00
0485	520-4147	1.000	EA	\$0.87665	LOAD TEST, STEEL H, HP 14 X 73	\$0.88
0490	540-1101	1.000	LS	\$177,534.94000	REM OF EX BR, STA NO - 23+41	\$177,534.94
0495	603-2024	875.000	SY	\$40.29161	STN DUMPED RIP RAP, TP 1, 24	\$35,255.16
0500	603-7000	875.000	SY	\$3.39100	PLASTIC FILTER FABRIC	\$2,967.13
<b>SUBTOTAL FOR BRIDGE REPLACEMENT:</b>						<b>\$1,018,039.43</b>

# DETAILED COST ESTIMATE



**Job: 0007169\_DSGN1**

**0050 - EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	163-0232	3.000	AC	\$400.62500	TEMPORARY GRASSING	\$1,201.88
0120	163-0240	33.000	TN	\$266.66070	MULCH	\$8,799.80
0125	163-0300	2.000	EA	\$1,100.43994	CONSTRUCTION EXIT	\$2,200.88
0325	163-0520	200.000	LF	\$12.20084	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,440.17
0340	163-0527	16.000	EA	\$252.92241	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$4,046.76
0345	163-0528	1200.000	LF	\$3.60633	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$4,327.60
0330	163-0550	2.000	EA	\$175.07759	CONS & REM INLET SEDIMENT TRAP	\$350.16
0135	165-0030	2770.000	LF	\$0.72883	MAINT OF TEMP SILT FENCE, TP C	\$2,018.86
0350	165-0041	1200.000	LF	\$1.05680	MAINT OF CHECK DAMS - ALL TYPES	\$1,268.16
0150	165-0101	2.000	EA	\$655.33236	MAINT OF CONST EXIT	\$1,310.66
0335	165-0105	2.000	EA	\$53.16050	MAINT OF INLET SEDIMENT TRAP	\$106.32
0155	167-1000	1.000	EA	\$610.70939	WATER QUALITY MONITORING AND SAMPLING	\$610.71
0160	167-1500	9.000	MO	\$551.76058	WATER QUALITY INSPECTIONS	\$4,965.85
0170	171-0030	2770.000	LF	\$3.19745	TEMPORARY SILT FENCE, TYPE C	\$8,856.94
0305	603-7000	167.000	SY	\$3.53423	PLASTIC FILTER FABRIC	\$590.22
0355	643-8200	515.000	LF	\$1.88840	BARRIER FENCE (ORANGE), 4 FT	\$972.53
0190	700-6910	2.000	AC	\$605.92593	PERMANENT GRASSING	\$1,211.85
0195	700-7000	8.000	TN	\$65.49131	AGRICULTURAL LIME	\$523.93
0205	700-8000	2.000	TN	\$348.74419	FERTILIZER MIXED GRADE	\$697.49
0210	700-8100	94.000	LB	\$2.61083	FERTILIZER NITROGEN CONTENT	\$245.42
0360	711-0100	1350.000	SY	\$4.15000	TURF REINFORCING MATTING, TP 1	\$5,602.50
0365	711-0200	120.000	SY	\$4.15000	TURF REINFORCING MATTING, TP 2	\$498.00
0370	711-0300	72.000	SY	\$3.94000	TURF REINFORCING MATTING, TP 3	\$283.68
0215	716-2000	5110.000	SY	\$0.96671	EROSION CONTROL MATS, SLOPES	\$4,939.89
<b>SUBTOTAL FOR EROSION CONTROL:</b>						<b>\$58,070.26</b>

**TOTALS FOR JOB 0007169\_DSGN1**

ITEMS COST:	<b>\$1,535,268.54</b>
COST GROUP COST:	<b>\$0.00</b>
ESTIMATED COST:	<b>\$1,535,268.54</b>
CONTINGENCY PERCENT:	<b>0.00</b>
ENGINEERING AND INSPECTION:	<b>0.05</b>
ESTIMATED COST WITH CONTINGENCY AND E&I:	<b>\$1,612,031.97</b>

**GDOT Office of Environmental Services | Certification for ROW Authorization**

PI#(s): 0007169, County: Dawson

Baseline Finish Date for ROW Authorization: 2/20/2015

*HP/mm*  
**From:** Hiral Patel, P.E. State Environmental Administrator  
**To:** Lisa Myers, State Project Review Engineer (via email)  
**Date:** April 23, 2015  
**Subject:** Certification for advancement to ROW authorization

<b>Certification for ROW Authorization Checklist</b>		
Is an approved environmental document, environmental clearance, or reevaluation on file? If the latest document will be older than 6 months (but less than 12 months) on <u>the date of ROW authorization</u> AND there have been <u>no changes</u> to the project, use the <i>No Change Reevaluation Certification for Advancement to ROW Authorization</i> option. Please Note: If you use this option, the "Current Approval Date" becomes the date of this <i>No Change Reeval Cert</i> .		<b>Yes</b>
Document Type: <b>CE</b>	Original Approval Date: <b>2/24/2015</b>	Current Approval Date: <b>2/24/2015</b> <small>(today's date for No Change Reeval Certs)</small>
The NEPA analyst has verified that no changes occurred since the last approval that would require a reevaluation prior to ROW authorization.		<b>Yes</b>
The NEPA analyst has verified that the design shown in the plans submitted for ROW authorization (dated: 9/4/2014) match what was evaluated in the last NEPA approval		<b>Yes</b>
The NEPA analyst (along with the project specialists) has verified that all pre-construction commitments that need to be completed prior to ROW authorization are complete (i.e. photo recordation for historic resources, landscape plans developed, cemetery permit or other?) <i>(If no, please see below.)</i>		<b>Yes</b>
If the question above cannot be marked as yes, is it still appropriate to advance to ROW Authorization? Please explain why it is still appropriate to advance to ROW authorization:  <b>NA</b>		<b>NA</b>

*Compliance with applicable environmental requirements has been completed for the subject project to advance to ROW Authorization.*

**CERTIFIED BY:**

*[Signature]*  
 \_\_\_\_\_  
 Zachary Adriaenssens

**REVIEWED BY:**

*[Signature]*  
 \_\_\_\_\_  
 Reviewing Manager

cc: Via email: Davida White, GDOT Project Manager;  
 Hardcopy: General Files  
 Add a PDF to the NEPA folder of the project's Project Documents file  
 Add a PDF to the ROW Certifications folder by year

*Please ensure the following items (as applicable) are included in this certification:*

1. *Environmental Commitments Table (include available special provisions)* **Yes**