

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0008750
CSBRG-0008-00(750)
GDOT District 7 - Metro Atlanta
Fulton County
Bridge Replacement - CR 72 @
Cauley Creek

OFFICE Design Policy & Support

DATE July 2, 2013

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:

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: Mac Cranford
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Rachel Brown, District Engineer
Scott Lee, District Preconstruction Engineer
Vicki Gavalas, District Planning & Programming Engineer
Sebastian Nesbitt, Area Engineer - D7, A2
Merishia Robinson, Project Manager
BOARD MEMBER - 6th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE	CSBRG-0008-00(750), Fulton County. P.I. No. 0008750 Bell Road Bridge Replacement @ Cauley Creek	OFFICE	Program Delivery
		DATE	June 13, 2013
FROM	Genetha Rice-Singleton, State Program Delivery Engineer <i>Genetha Rice-Singleton</i>		
TO	Brent Story P.E., State Design Policy and Support Engineer Attn: Dave Peters, P.E. State Conceptual Design Group Manager		
SUBJECT	Request for Location and Design Approval		

Description and Project Proposal

CS 72/Bell Road is a two-lane, undivided urban collector street with intermittent sidewalks located between SR 120/Abbots Bridge Road and McGinnis Ferry in the City of Johns Creek, Fulton County, Georgia. The posted speed limit is 45 mph. This location is on a school bus route, according to the Department's Bridge Inventory.

The proposed bridge will be the replacement of an existing bridge (Structure ID 121-5019-0) on Bell Road over Cauley Creek. The project will provide two 11-foot travel lanes, 1½-foot curb and gutters, one 5½-foot sidewalk, and one 8-foot multi-use trail to connect to the City of Johns Creek proposed multi-use trail in the corridor. The proposed project length is approximately 1200 feet (0.23 miles), beginning at M.P. 1.35 and extending to M.P. 1.58. The proposed bridge will be 3-ft higher than the existing bridge per the hydraulic study. To maintain traffic thru the area and continue to provide access for emergency vehicles, construction will be staged with a lower construction zone speed limit of 35 mph. During the first stage of construction, a 14-foot lane, with 2-foot offset to parapet and temporary barrier bridge structure will be constructed south of the existing bridge. For the second stage of construction traffic will be shifted to the newly constructed one lane structure where the traffic will be maintained and controlled with a temporary signal until the remainder of the bridge is constructed.

Concept Approval Date: March 6, 2012

Concept Update: N/A

Environmental Document Type, Approval Date & any Reevaluations: Categorical Exclusion, June 13, 2013

Public Involvement:

- A Public Information Open House (PIOH)/Detour Meeting will be held at a later date.

Project Number: CSBRG-0008-00(750)
County: Fulton
P. I. Number: 0008750

Consistency with Approved Planning:

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

Recommendations: It is recommended that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR: *K. J. Carpenter* 6/21/13
Director of Engineering

APPROVE: *Bill L. M. M.* 7/1/13
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: July 2, 2013
(To be entered by the State Conceptual Design Group Manager)

GRS:AVS:mkr

Attachments:

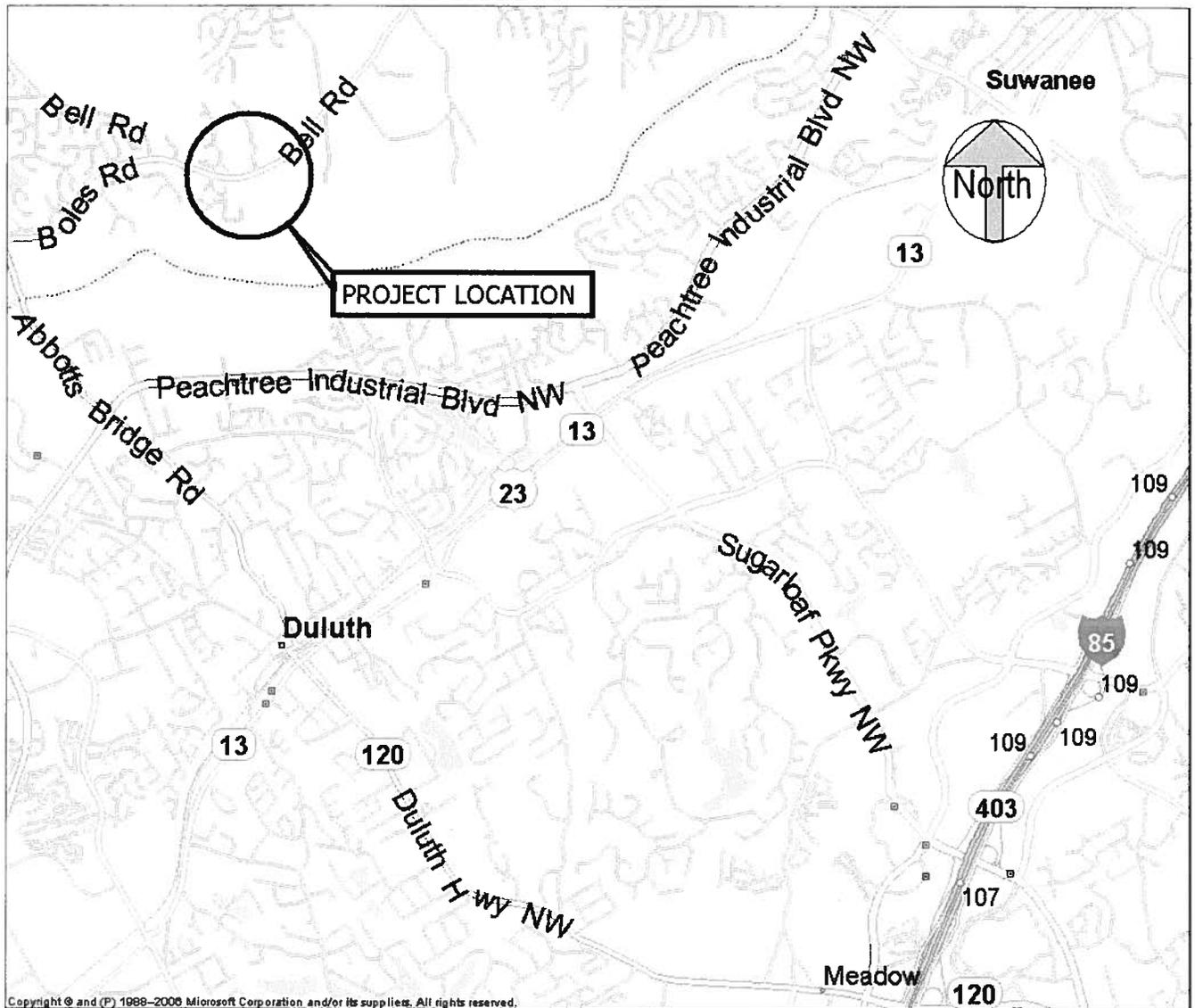
- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT LOCATION SKETCH**

Bell Road over Cauley Creek
Project Number: CSBRG-0008-00(750)
County: Fulton
P. I. Number: 0008750
State Route Number: N/A
County Route Number: N/A

Project PI #0008750 will replace and raise the bridge on Bell Road over Cauley Creek. The proposed bridge will be 42 ft by 80 ft consisting of two 11-ft travel lanes, 1½ -ft gutters, an 8-ft multi-use trail, and a 5½-ft sidewalk.

LOCATION SKETCH



JOB NUMBER: 0008750_AJ

FED/STATE PROJECT NUMBER: CSBRG-0008-00(750)

SPEC YEAR: 11-9-2012

DESCRIPTION: CS72/ BELL ROAD @ CAULEY CREEK
0008750

ITEMS FOR JOB 0008750 AJ

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0220	150-1000	1.000	LS	\$90,000.00	TRAFFIC CONTROL - CSBRG-0008-00(750)	\$90,000.00
0225	150-5010	4.000	EA	\$10,658.56	TRAF CTRL,PORTABLE IMPACT ATTN	\$42,634.24
0004	210-0100	1.000	LS	\$100,000.00	GRADING COMPLETE - CSRRG-0008-00(750)	\$100,000.00
0215	310-1101	594.000	TN	\$25.52	GR AGGR BASE CRS, INCL MATL	\$15,160.42
0190	402-1812	31.000	TN	\$99.05	RECYL AC LEVELING,INC BM&HL	\$3,070.53
0195	402-3103	312.000	TN	\$66.00	REC AC 9.5 MM SP,TP11,GP2, INCL BM & H L	\$20,592.00
0205	402-3121	378.000	TN	\$79.13	RECYL AC 25MM SP,GP1/2,BM&HL	\$29,909.91
0200	402-3190	95.000	TN	\$88.94	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$8,449.75
0020	413-1000	102.000	GL	\$3.22	BITUM TACK COAT	\$328.44
0025	432-5010	241.000	SY	\$14.92	MILL ASPH CONC PVMT,VARB DEPTH	\$3,594.84
0030	433-1100	180.000	SY	\$248.79	REF CONC APPR SL/INCL CURB	\$44,783.00
0034	441-0104	620.000	SY	\$57.16	CONC SIDEWALK, 4 IN	\$35,441.83
0035	441-0106	1100.000	SY	\$56.18	CONC SIDEWALK, 6 IN	\$61,792.57
0039	441-0108	28.000	SY	\$137.78	CONC SIDEWALK, 8 IN	\$3,857.86
0045	441-4020	16.000	SY	\$58.47	CONC VALLEY GUTTER, 6 IN	\$935.59
0050	441-6222	2313.000	LF	\$19.98	CONC CURB & GUTTER/ 8"X30"TP2	\$46,216.77
0210	446-1100	700.000	LF	\$10.92	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$7,645.86
0305	603-2180	12.000	SY	\$53.91	STN DUMPED RIP RAP, TP 3, 12"	\$646.96
0265	603-7000	44.000	SY	\$6.86	PLASTIC FILTER FABRIC	\$301.71
0270	620-0100	200.000	LF	\$45.55	TEMP BARRIER, METHOD NO. 1	\$9,110.93
0275	620-0200	80.000	LF	\$82.29	TEMP BARRIER, METHOD NO. 2	\$6,583.22
0064	641-1100	84.000	LF	\$65.74	GUARDRAIL, TP T	\$5,521.84
0065	641-1200	400.000	LF	\$15.72	GUARDRAIL, TP W	\$6,289.00
0070	641-5001	4.000	EA	\$641.37	GUARDRAIL ANCHORAGE, TP 1	\$2,565.48
0075	641-5012	4.000	EA	\$1,862.09	GUARDRAIL ANCHORAGE, TP 12	\$7,448.37
0090	647-0220	1.000	LS	\$50,000.00	TRAF SIGNAL INSTALLATION, TEMP	\$50,000.00
SUBTOTAL FOR ROADWAY:						\$602,881.12

0020 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0055	540-1101	1.000	LS	\$35,200.00000	REM OF EX BR, STA NO - CSBRG-0008-00(750)	\$35,200.00
0060	543-9000	1.000	LS	\$352,000.00000	CONSTR OF BRIDGE COMPLETE - CSBRG-0008-00(750)	\$352,000.00
SUBTOTAL FOR BRIDGE:						\$387,200.00

0030 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0145	163-0232	1.000	AC	\$711.38	TEMPORARY GRASSING	\$711.38
0255	163-0240	22.500	TN	\$323.75	MULCH	\$7,284.32
0180	163-0300	2.000	EA	\$1,618.78	CONSTRUCTION EXIT	\$3,237.56
0285	163-0527	2.000	EA		CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	
0170	163-0550	2.000	EA	\$252.81	CONS & REM INLET SEDIMENT TRAP	\$505.61
0150	165-0030	1120.000	LF	\$1.59	MAINT OF TEMP SILT FENCE, TP C	\$1,776.63
0185	165-0101	2.000	EA	\$608.13	MAINT OF CONST EXIT	\$1,216.27
0175	165-0105	2.000	EA	\$123.66	MAINT OF INLET SEDIMENT TRAP	\$247.31
0235	167-1000	2.000	EA	\$1,378.47	WATER QUALITY MONITORING AND SAMPLING	\$2,756.94
0230	167-1500	18.000	MO	\$1,151.75	WATER QUALITY INSPECTIONS	\$20,731.44
0155	171-0030	2240.000	LF	\$3.12	TEMPORARY SILT FENCE, TYPE C	\$6,997.51
0040	441-0300	1.000	EA	\$2,836.46	CONC SPILLWAY, SPCL DES	\$2,836.46
0054	550-4118	1.000	EA	\$316.15	FLARED END SECT 18 IN, SIDE DR	\$316.15
0309	603-2182	187.000	SY	\$32.99	STN DUMPED RIP RAP, TP 3, 24"	\$6,169.54
0245	643-8200	650.000	LF	\$3.73	BARRIER FENCE (ORANGE), 4 FT	\$2,423.38
0159	700-7000	4.500	TN	\$80.07	AGRICULTURAL LIME	\$360.30
0160	700-8000	1.350	TN	\$389.73	FERTILIZER MIXED GRADE	\$526.14
0165	700-8100	75.000	LB	\$3.09	FERTILIZER NITROGEN CONTENT	\$232.06
0260	716-2000	400.000	SY	\$1.50	EROSION CONTROL MATS, SLOPES	\$599.76
SUBTOTAL FOR EROSION CONTROL:						\$58,928.76

0040 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	634-1200	8.000	EA	\$108.88	RIGHT OF WAY MARKERS	\$871.05
0080	636-1020	51.500	SF	\$18.61	HWY SGN,TP1MAT,REFL SH TP3	\$958.49
0085	636-2070	135.000	LF	\$9.57	GALV STEEL POSTS, TP 7	\$1,292.09
0095	652-0120	2.000	EA	\$35.95	PAVEMENT MARKING, ARROW, TP 2	\$71.90
0100	653-1501	2577.000	LF	\$0.53	THERMO SOLID TRAF ST 5 IN, WHI	\$1,374.91
0105	653-1502	991.000	LF	\$0.59	THERMO SOLID TRAF ST, 5 IN YEL	\$588.05
0110	653-1704	24.000	LF	\$5.22	THERM SOLID TRAF STRIPE,24",WH	\$125.17
0115	653-1804	468.000	LF	\$3.03	THERM SOLID TRAF STRIPE, 8",WH	\$1,417.55
0120	653-6004	26.000	SY	\$5.65	THERM TRAF STRIPING, WHITE	\$146.97
0125	653-6006	122.000	SY	\$4.07	THERM TRAF STRIPING, YELLOW	\$496.66
0140	654-1001	58.000	EA	\$5.04	RAISED PVMT MARKERS TP 1	\$292.54
0144	654-1003	6.000	EA	\$6.62	RAISED PVMT MARKERS TP 3	\$39.72
0130	657-1054	140.000	LF	\$4.57	PRF PL SD PVMT MKG,5",WH,TP PB	\$639.46
0135	657-6054	140.000	LF	\$4.34	PRF PL SD PVMT MKG,5",YW,TP PB	\$607.07
SUBTOTAL FOR SIGNING AND MARKING:						\$8,921.63

0050 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0290	550-1180	189.000	LF	\$49.19	STM DR PIPE 18",H 1-10	\$9,296.93
0300	668-1100	2.000	EA	\$2,336.82	CATCH BASIN, GP 1	\$4,673.63
0310	700-6910	1.000	AC	\$1,039.00	PERMANENT GRASSING	\$1,039.00
SUBTOTAL FOR DRAINAGE:						\$15,009.56

TOTALS FOR JOB 0008750_AJ

ITEMS COST:	\$1,072,941.07
ASPHALT FUEL INDEX:	
ENGINEERING AND INSPECTION: @5%	53647.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,126,588.12

NOTICE OF LOCATION AND DESIGN APPROVAL

CSBRG-0008-00(750), Fulton County P. I. 0008750

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 2, 2013

The proposed bridge will be the replacement of an existing bridge (Structure ID 121-5019-0) on Bell Road over Cauley Creek. The project will provide two 11-foot travel lanes, 1½-foot curb and gutters, one 5½-foot sidewalk, and one 8-foot multi-use trail to connect to the City of Johns Creek proposed multi-use trail in the corridor. The proposed project length is approximately 1200 feet (0.23 miles), beginning at M.P. 1.35 and extending to M.P. 1.58. The proposed bridge will be 3-ft higher than the existing bridge per the hydraulic study. To maintain traffic thru the area and continue to provide access for emergency vehicles, stage construction and a temporary traffic signal will be used to construct the new bridge.

This project lies within Land Lots 433 & 434 of Fulton County, and the 6th Congressional District of Georgia.

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:

*Sebastian Nesbitt, Area Engineer
Georgia Department of Transportation
snesbitt@dot.ga.gov
1269 Kennestone Circle
Marietta, Georgia 30066
(770)-528-3238*

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, State Program Delivery Engineer
Georgia Department of Transportation
grice-singleton@dot.ga.gov
One Georgia Center
600 West Peachtree St. NW
Atlanta, Georgia 30308
(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.