

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

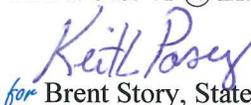
**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #0008364

OFFICE Design Policy & Support

Whitfield County
GDOT District 6 - Cartersville
S.R. 3/U.S. 41 @ Little Swamp Creek

DATE 7/10/2014

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
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: David Ray, Design Engineer, D6
Jeff Fletcher, Location Bureau Chief
Dewayne Comer, District Engineer
Michael A. Haithcock, District Preconstruction Engineer
Cherie Marsh, District Planning & Programming Engineer
Glenn Warlick, Area Engineer - D6, A2
Ryan Fernandez, Project Manager
BOARD MEMBER - 14th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PI # 0008364, Whitfield County OFFICE Program Delivery
Culvert – S.R. 3 / U.S. 41 @ Little Swamp Creek
DATE May 28, 2014

FROM Albert V. Shelby III, State Program Delivery Engineer *Albert Shelby*

TO Brent A. Story, PE, State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT **REQUEST FOR LOCATION AND DESIGN APPROVAL**

Description and Project Proposal: The project is located on SR3/US41 @ Little Swamp Creek in Whitfield County. This project is to replace the structurally deficient culvert. The culvert (Structure ID 313-0006-0) was constructed in 1927 and consists of 3 -10' x 9' Barrels which are 32' in length. Currently the culvert has a bridge sufficiency rating of 43.23. Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. Therefore, this project will replace the existing culvert with a structurally adequate culvert.

Concept Approval Date: 7/25/2013

Concept Update: None

Environmental Document: ~~Pending approval anticipated June 15, 2014 approval~~ *APPROVED 6/30/2014 [Signature]*

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

This office recommends that the location and design for the project be approved and that attached Notice be approved for advertising.

RECOMMEND: *[Signature]*
Director of Engineering

APPROVE: *[Signature]* *RM* 6/18/14
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: July 10, 2014

Attachments:

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

NOTICE OF LOCATION AND DESIGN APPROVAL
Whitfield COUNTY
P. I. 0008364

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: July 10, 2017.

This project is for the replacement of a structurally deficient culvert on State Route 3 / U.S. 41 across Little Swamp Creek in Whitfield County. The existing culvert consists of (3) 10 foot by 9 foot barrels which was constructed in 1927. The culvert has a poor sufficiency rating and replacement has been recommended. The project has proposed a new (4) 10 foot by 10 foot concrete culvert with the 2 foot being buried for fish passage. This project is located in Land Lot 627 and GMD 101.

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:

Michael Haithcock
mhaithcock@dot.ga.gov
500 Joe Frank Harris Parkway
Cartersville, Ga 30120
770-387-3680

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:

Andy Casey
Office of Roadway Design
Attn: Sam Woods
swoods@dot.ga.gov
One Georgia Center
600 West Peachtree Street
Atlanta, Ga. 30308
404-631-1977

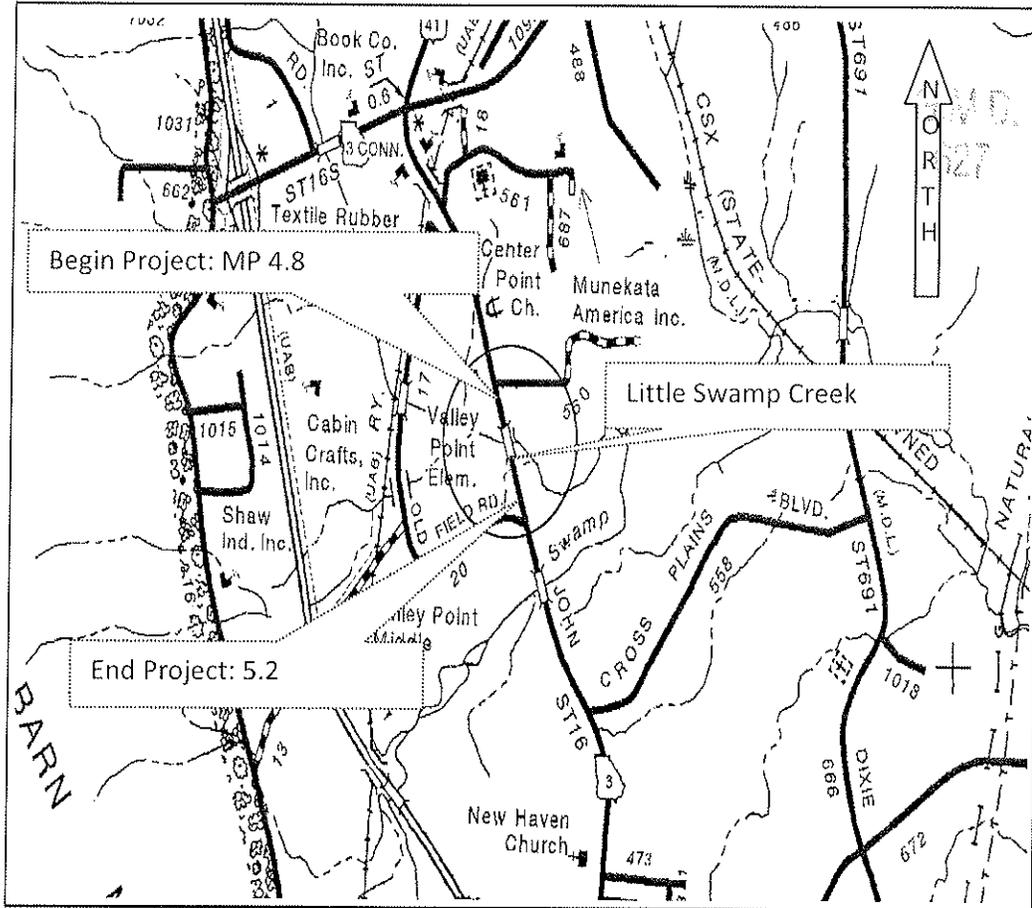
Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

PROJECT LOCATION

Location Map

Project: CSBRG-0008-00(364)

Culvert Replacement on SR3/US41 @ Little Swamp Creek in Whitfield County.



PROJ. NO.	CSBRG-0008-00(364)
P.I. NO.	0008364
DATE	4/4/2012

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Mar-12	\$ 3.481
DIESEL		\$ 3.796
LIQUID AC		\$ 604.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)-0.05]xTMTxAPL

Asphalt

Price Adjustment (PA)			\$	3,264.86	\$	3,264.86
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	125%	\$	1,359.00		
Monthly Asphalt Cement Price month project let (APL)			\$	604.00		
Total Monthly Tonnage of asphalt cement (TMT)				4.5045		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	20.79	5.0%	1.0395
9.5 mm SP		5.0%	0
25 mm SP	55.44	5.0%	2.772
19 mm SP	13.86	5.0%	0.693
	90.09		4.5045

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	41.19	\$	41.19
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	125%	\$	1,359.00		
Monthly Asphalt Cement Price month project let (APL)			\$	604.00		
Total Monthly Tonnage of asphalt cement (TMT)				0.056824185		

Bitum Tack		
Gals	gals/ton	tons
13.23	232.8234	0.056824185

TOTAL LIQUID AC ADJUSTMENT \$ **3,306.05**

STATE HIGHWAY AGENCY

DATE : 04/04/2012

PAGE : 1

JOB DETAIL ESTIMATE

JOB NUMBER : 0008364 SPEC YEAR: 01
 DESCRIPTION: CULVERT REPLACEMENT ON S.R.3/U.S.41 @ LITTLE SWAMP CREEK

ITEMS FOR JOB 0008364

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0001	150-1000	LS		TRAFFIC CONTROL - CSBRG-0008-00(364)	1.000	20000.00	20000.00
0003	207-0203	CY		FOUND BK FILL MATL, TP II	6.000	63.58	381.53
0004	210-0100	LS		GRADING COMPLETE - CSBRG-0008-00(364)	1.000	178010.00	178010.00
0005	310-1101	TN		GR AGGR BASE CRS, INCL MATL	2163.000	19.69	42606.08
0007	402-3141	TN		RECYL AC 12.5 MM SP, GP 1 OR 2, INCL BM	188.000	73.58	13833.04
0008	402-3190	TN		RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	307.000	79.18	24309.39
0009	402-3121	TN		RECYL AC 25MM SP, GP1/2, BM&HL	461.000	71.15	32801.08
0010	413-1000	GL		BITUM TACK COAT	195.000	2.65	517.41
0011	500-3101	CY		CLASS A CONCRETE	643.000	285.02	183271.18
0012	511-1000	LB		BAR REINF STEEL	93472.000	0.73	68670.14
0013	603-7000	SY		PLASTIC FILTER FABRIC	35.000	4.40	154.28
0014	165-0041	LF		MAINT OF CHECK DAMS - ALL TYPES	700.000	1.16	817.17
0019	163-0527	EA		CNST/REM RIP RAP CKDM, STN P RIPRAP/SN	14.000	235.26	3293.68
0024	603-2012	SY		STN DUMPED RIP RAP, TP 1, 12"	35.000	58.00	2030.00
				STA.32+00 ~ 35+50			
0029	610-9099	LS		REM WINGWALLS/PARAPETS, STA - STA. 30+10, STA. 30+20.00, STA.30+30	1.000	4716.98	4716.98
0034	641-1200	LF		GUARDRAIL, TP W	600.000	17.46	10477.39
0039	641-5001	EA		GUARDRAIL ANCHORAGE, TP 1	2.000	713.16	1426.32
0044	641-5012	EA		GUARDRAIL ANCHORAGE, TP 12	2.000	1868.35	3736.70
0049	206-0002	CY		BORROW EXCAV, INCL MATL	17878.680	7.77	138920.56
0054	402-3121	TN		RECYL AC 25MM SP, GP1/2, BM&HL	460.670	71.15	32779.15
0059	634-1200	EA		RIGHT OF WAY MARKERS	22.000	113.59	2499.05
0064	654-1001	EA		RAISED PVMT MARKERS TP 1	11.000	5.17	56.93
0069	441-0016	SY		DRIVEWAY CONCRETE, 6 IN TK	7418.892	29.29	217350.39
0074	165-0101	EA		MAINT OF CONST EXIT	2.000	691.59	1383.19
0079	163-0300	EA		CONSTRUCTION EXIT	2.000	1077.35	2154.71
0084	163-0529	LF		CNST/REM TEMP SED BAR OR BLD STRW CK DM	910.000	3.14	2866.40
0089	163-0232	AC		TEMPORARY GRASSING	2.000	389.92	779.84
0094	715-2200	SY		BITUM TRTD ROVING, WATERWAYS	35.000	1.21	42.61
0099	163-0240	TN		MULCH	28.000	301.81	8450.84
0104	165-0030	LF		MAINT OF TEMP SILT FENCE, TP C	910.000	0.93	852.23
0109	167-1000	EA		WATER QUALITY MONITORING AND SAMPLING	18.000	557.16	10028.90
0114	167-1500	MO		WATER QUALITY INSPECTIONS	18.000	322.16	5798.90
0119	171-0030	LF		TEMPORARY SILT FENCE, TYPE C	910.000	2.87	2618.93
0129	165-0071	LF		MAINT OF SEDIMENT BARRIER - BALED STRAW	910.000	0.96	880.76
0139	719-1000	EA		SILT FILTER BAG	4.000	430.05	1720.23
0144	700-6910	AC		PERMANENT GRASSING	2.000	924.02	1848.05
0149	700-7000	TN		AGRICULTURAL LIME	5.000	102.42	512.14

0154	700-8000	TN	FERTILIZER MIXED GRADE	2.000	358.19	716.39
0159	700-8100	LB	FERTILIZER NITROGEN CONTENT	100.000	2.16	216.23
0164	716-2000	SY	EROSION CONTROL MATS, SLOPES	5057.000	0.92	4685.92
0169	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	72.000	13.67	984.85
0174	636-5100	EA	MILEPOST SIGNS	2.000	177.70	355.41
0179	636-2070	LF	GALV STEEL POSTS, TP 7	52.000	8.63	449.15
0184	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	1700.000	0.47	811.99
0189	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	1700.000	0.46	783.39

ITEM TOTAL- 1,031,599.51

INFLATED ITEM TOTAL- 1,031,599.51

TOTALS FOR JOB 0008364

ESTIMATED COST: 1,031,599.51

CONTINGENCY PERCENT: 0.00

ESTIMATED TOTAL: 1031599.51
