

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0009864 **OFFICE** Design Policy & Support
Haralson County
GDOT District 6 - Cartersville **DATE** 9/24/2014
SR 120 @ Beach Creek - 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
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Clay Bastian, Design Group Manager
Jeff Fletcher, Location Bureau Chief
DeWayne Comer, District Engineer
Michael Haithcock, District Preconstruction Engineer
Cherie Marsh, District Planning & Programming Engineer
Bill Dungan, Area Engineer - D6, A3
Jeff Simmons, Project Manager
BOARD MEMBER - 14th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. 0009864 OFFICE Program Delivery
Haralson County
SR 120 OVER BEACH CREEK DATE September 15, 2014

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

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

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal:

This project consists of replacing the structurally deficient bridge located on SR 120 over Beach Creek, east of Tallapoosa. With the preferred alternate, SR 120 will be shifted approximately 15 feet to the south side of the existing alignment. The bridge will be stage constructed with traffic reduced to one lane across the bridge by utilizing a temporary traffic signal during the bridge construction. The project length is approximately 0.30 miles at road inventory milepost 4.51.

Concept Approval Date: February 29, 2012

Categorical Exclusion Approval Date: September 12, 2014

Public Involvement: N/A

Consistency with Approved Planning:

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

Recommendations:

Since the proposed alternative will satisfy the need and purpose for the project while minimizing impacts to the environment, we recommend approval of the location and design of this project.

CONCUR: *Alan Banna*
Director of Engineering

APPROVE: *Russell McManey* ^{AJM} 9/22/14
Chief Engineer Date

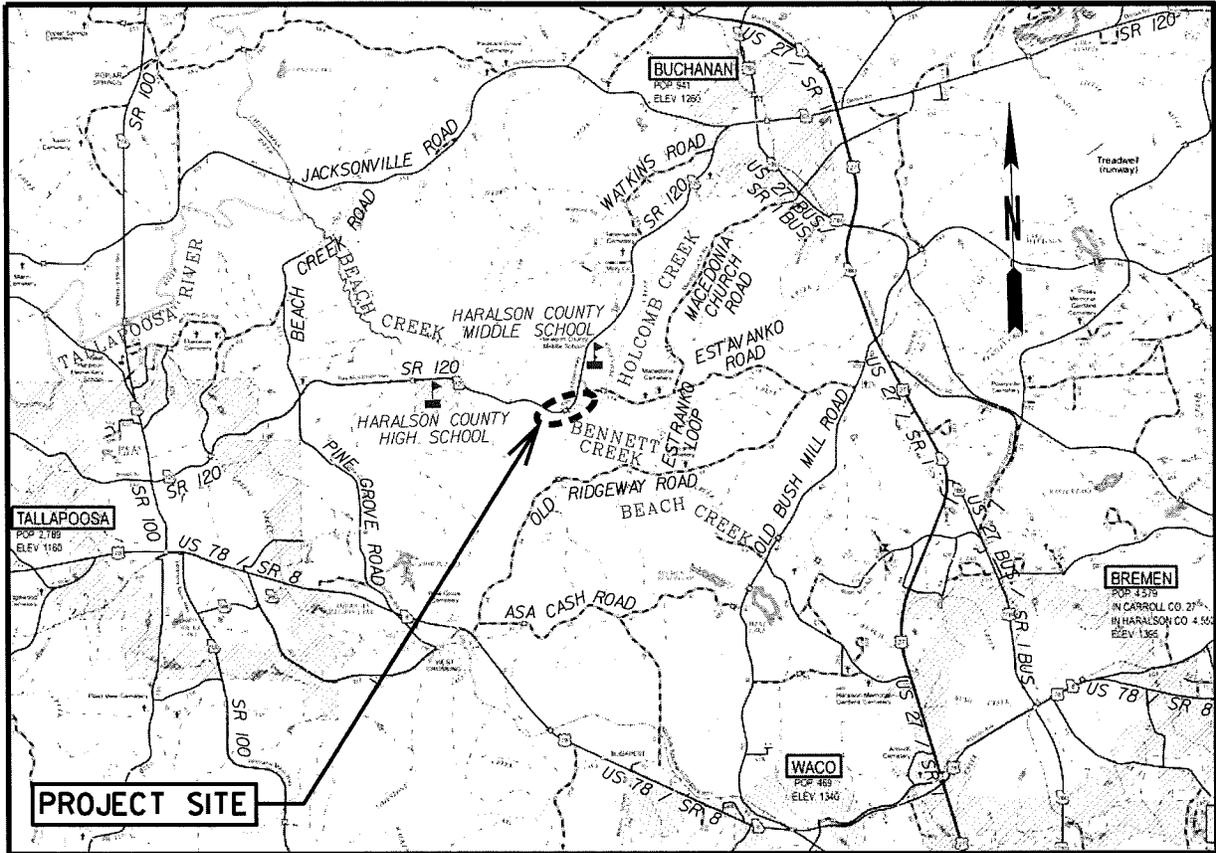
DATE OF LOCATION AND DESIGN APPROVAL: September 24, 2014
(to be entered by State Conceptual Design Engineer)

P.I. 0009864
Haralson County
SR 120 @ BEACH CREEK E OF TALLAPOOSA
SEPTEMBER 15, 2014
Page 2 of 2

Attachments:

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

PROJECT LOCATION



BRIDGE REPLACEMENT - SR 120 OVER BEACH CREEK

P.I. Number: 0009864

HARALSON COUNTY

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. , Haralson OFFICE Program Delivery
 SR 120 @ BEACH CREEK E OF TALLAPOOSA DATE 12/30/13

P.I. No. 0009864

FROM Genetha Rice-Singleton, State Program Delivery Engineer *Albert Shelby for*

TO Lisa L. Myers, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Chandria L. Brown

MNGT LET DATE 8/15/2015

MNGT R/W DATE 02/15/2014

PROGRAMMED COST (TPro W/OUT INFLATION)

CONSTRUCTION \$ 3,700,808.98

DATE 10/3/2012

RIGHT OF WAY \$ 97,000.00

DATE 10/3/2012

UTILITIES \$ 75,900.00

DATE 10/3/2012

LAST ESTIMATE UPDATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 4,620,758.21

RIGHT OF WAY \$ 97,000.00

UTILITIES \$ 75,900.00

* Costs contain 5 % Engineering and Inspection

REASON FOR COST INCREASE

Annual Cost Estimate Update

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ 4,318,763.87	(Base Estimate)
Engineering and Inspection:	\$ 215,938.19	(Base Estimate x 5 %)
Total Liquid AC Adjustment	\$ 86,056.15	(From attached worksheet)
Construction Total:	\$ 4,620,758.21	

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

Georgia Power Company - Dist.	\$75,900.00

Attachments

DETAILED COST ESTIMATE



Job: 0009864

JOB NUMBER 0009864

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 120 @ BEECH CREEK - BRIDGE REPLACEMENT

PRELIMINARY FIELD PLAN REVIEW ESTIMATE - PFPR

ITEMS FOR JOB 0009864

0010 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0340	150-1000	1.000	LS	\$200,000.00000	TRAFFIC CONTROL - 0009864	\$200,000.00
0345	153-1300	1.000	EA	\$61,092.29500	FIELD ENGINEERS OFFICE TP 3	\$61,092.30
0040	433-1000	230.000	SY	\$162.01860	REINF CONC APPROACH SLAB	\$37,264.28
0060	441-0204	170.000	SY	\$40.68253	PLAIN CONC DITCH PAVING, 4 IN AC	\$6,916.03
0350	456-2012	1.000	GLM	\$3,638.00000	INTENT. RUMB. STRIPS - GRND-IN-PL (CONT)	\$3,638.00
0065	641-1100	126.000	LF	\$59.96668	GUARDRAIL, TP T	\$7,555.80
0070	641-1200	1620.000	LF	\$17.06171	GUARDRAIL, TP W	\$27,639.97
0075	641-5012	3.000	EA	\$1,836.19048	GUARDRAIL ANCHORAGE, TP 12	\$5,508.57
0150	648-1350	1.000	EA	\$13,875.33333	IMPACT ATT UNIT, TP-P- 0009864	\$13,875.33
SUBTOTAL FOR ROADWAY ITEMS:						\$363,490.28

0020 - PAVEMENT ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0325	310-5060	2650.000	SY	\$11.02828	GR AGGR BS CRS 6IN INCL MATL	\$29,224.94
0330	310-5120	5600.000	SY	\$18.04229	GR AGGR BS CRS 12IN INCL MATL	\$101,036.82
0115	402-1812	100.000	TN	\$89.01174	RECYL AC LEVELING, INC BM&HL	\$8,901.17
0355	402-1812	70.000	TN	\$90.19592	RECYL AC LEVELING, INC BM&HL	\$6,313.71
0010	402-3103	800.000	TN	\$76.82164	REC AC 9.5 MM SP, TP II, GP 2, INCL BM & H L	\$61,457.31
0020	402-3121	3150.000	TN	\$68.52863	RECYL AC 25MM SP, GP 1/2, BM&HL	\$215,865.18
0015	402-3190	1000.000	TN	\$77.43224	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	\$77,432.24
0026	413-1000	315.000	GL	\$3.98334	BITUM TACK COAT	\$1,254.75
0027	432-0205	1400.000	SY	\$2.80579	MILL ASPH CONC PVMT/ 1.25" DEP	\$3,928.11
SUBTOTAL FOR PAVEMENT ITEMS:						\$505,414.23

0030 - EARTHWORK ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0029	201-1500	1.000	LS	\$50,000.00000	CLEARING & GRUBBING - 0009864	\$50,000.00
0135	205-0210	16206.000	CY	\$45.00000	EXCAVATION - ROCK	\$729,270.00
0365	206-0002	1288.000	CY	\$3.56382	BORROW EXCAV, INCL MATL	\$4,590.20
0360	208-0100	11189.000	CY	\$20.77400	IN PLACE EMBANKMENT	\$232,440.29
SUBTOTAL FOR EARTHWORK ITEMS:						\$1,016,300.49

0040 - DRAINAGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0050	550-1300	15.000	LF	\$57.79954	STM DR PIPE 30", H 1-10	\$866.99
0055	550-4230	1.000	EA	\$758.43951	FLARED END SECT 30 IN, ST DR	\$758.44
SUBTOTAL FOR DRAINAGE ITEMS:						\$1,625.43

DETAILED COST ESTIMATE



Job: 0009864

0070 - SIGNING AND MARKING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0200	636-1020	23.340	SF	\$15.60730	HWY SGN,TP1MAT,REFL SH TP3	\$364.27
0205	636-1033	61.000	SF	\$19.79533	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,207.52
0190	636-2070	54.000	LF	\$8.08442	GALV STEEL POSTS, TP 7	\$436.56
0195	636-2080	90.000	LF	\$10.30590	GALV STEEL POSTS, TP 8	\$927.53
0175	653-1501	5300.000	LF	\$0.49127	THERMO SOLID TRAF ST 5 IN, WHI	\$2,603.73
0085	653-1502	5300.000	LF	\$0.45886	THERMO SOLID TRAF ST, 5 IN YEL	\$2,431.96
0180	657-1054	570.000	LF	\$4.62932	PRF PL SD PVMT MKG,5",WH,TP PB	\$2,638.71
0185	657-6054	570.000	LF	\$4.38291	PRF PL SD PVMT MKG,5",YW,TP PB	\$2,498.26
SUBTOTAL FOR SIGNING AND MARKING ITEMS:						\$13,108.54

0080 - SIGNAL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0089	632-0003	2.000	EA	\$7,125.97435	CHANGEABLE MESS SIGN,PORT,TP 3	\$14,251.95
0125	647-1000	1.000	LS	\$35,000.00000	TRAF SIGNAL INSTALLATION NO - ON SITE, TEMP SIGNAL	\$35,000.00
SUBTOTAL FOR SIGNAL ITEMS:						\$49,251.95

0100 - RETAINING WALL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0290	621-4021	600.000	LF	\$316.57519	CONCRETE SIDE BARRIER, TY 2A WALL # 1 AND 2	\$189,945.11
0295	621-4022	500.000	LF	\$441.57200	CONCRETE SIDE BARRIER, TY 2B WALL # 1 AND 3	\$220,786.00
0300	621-4023	200.000	LF	\$590.04111	CONCRETE SIDE BARRIER, TY 2C WALL # 3	\$118,008.22
0305	621-4063	100.000	LF	\$543.40961	CONCRETE SIDE BARRIER, TY 6C WALL# 2(SIDE BARRIER 6A)	\$54,340.96
0310	627-1010	2175.000	SF	\$46.29237	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 0009864	\$100,685.90
0315	627-1020	6980.000	SF	\$46.22749	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 0009864	\$322,667.88
0320	627-1030	1200.000	SF	\$44.43798	MSE WALL FACE, GTR 30 FT HT, WALL NO - 0009864	\$53,325.58
SUBTOTAL FOR RETAINING WALL ITEMS:						\$1,059,759.65

0110 - BRIDGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0098	540-1102	1.000	LS	\$107,000.00000	REM OF EX BR, BR NO - 0009864	\$107,000.00
0105	543-9000	1.000	LS	\$1,122,000.00000	CONSTR OF BRIDGE COMPLETE - 0009864	\$1,122,000.00
SUBTOTAL FOR BRIDGE ITEMS:						\$1,229,000.00

DETAILED COST ESTIMATE



Job: 0009864

0140 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0215	163-0232	5.000	AC	\$212.65292	TEMPORARY GRASSING	\$1,063.26
0220	163-0240	120.000	TN	\$155.68145	MULCH	\$18,681.77
0225	163-0300	2.000	EA	\$1,250.57136	CONSTRUCTION EXIT	\$2,501.14
0260	163-0520	350.000	LF	\$14.99167	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$5,247.08
0235	163-0527	14.000	EA	\$263.19324	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$3,684.71
0250	163-0541	3.000	EA	\$304.99308	CONSTR & REM ROCK FILTER DAMS	\$914.98
0230	165-0030	2650.000	LF	\$0.37007	MAINT OF TEMP SILT FENCE, TP C	\$980.69
0240	165-0101	4.000	EA	\$492.72579	MAINT OF CONST EXIT	\$1,970.90
0255	165-0110	3.000	EA	\$120.08019	MAINT OF ROCK FILTER DAM	\$360.24
0245	171-0030	5300.000	LF	\$3.33583	TEMPORARY SILT FENCE, TYPE C	\$17,679.90
0265	700-6910	10.000	AC	\$987.14039	PERMANENT GRASSING	\$9,871.40
0270	700-7000	15.000	TN	\$102.40443	AGRICULTURAL LIME	\$1,536.07
0275	700-8000	5.000	TN	\$520.00149	FERTILIZER MIXED GRADE	\$2,600.01
0280	700-8100	250.000	LB	\$2.87638	FERTILIZER NITROGEN CONTENT	\$719.10
0285	710-9000	3500.000	SY	\$3.71487	PERM SOIL REINFORCING MAT	\$13,002.05
SUBTOTAL FOR EROSION CONTROL :						\$80,813.30

COST GROUP FOR JOB 0009864

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	TN	NORM			ASPH	ASPHALT (TN)	
00000002	TN	NORM			BASE	BASE/AGGREGATE (TN)	
00000003	CY	NORM			ERTHCY	EARTHWORK (CY)	
00000004	TN	NORM			CONC	CONCRETE (SY)	
00000005	SY	NORM			EROC	EROSION CONTROL (SY)	
00000006	SF	NORM			STRO	STRUCTURES, OTHER (SF)	
00000007	LF	NORM			GDRL	GUARDRAIL/BARRIER (LF)	
00000009	LS	NORM			TRFT	TRAFFIC CONTROL-TEMPORARY (LS)	
00000011	LF	NORM			CURB	CURB & GUTTER (LF)	
00000012	LF	NORM			THSL	THERMO PLASTIC LINEAR PAVEMENT MARKING	
SUBTOTAL:							

TOTALS FOR JOB 0009864

ITEMS COST:	\$4,318,763.87
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$4,318,763.87
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$4,534,702.06

PROJ. NO. 9864
P.I. NO. 0009864
DATE 11/7/2012

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Nov-13	\$ 3.221
DIESEL		\$ 3.823
LIQUID AC		\$ 565.00

Link to Fuel and AC Index:

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

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

Asphalt

Price Adjustment (PA)					85597.5	\$	85,597.50
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	904.00			
Monthly Asphalt Cement Price month project let (APL)			\$	565.00			
Total Monthly Tonnage of asphalt cement (TMT)				252.5			

ASPHALT	Tons	%AC	AC ton
Leveling	100	5.0%	5
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	800	5.0%	40
25 mm SP	3150	5.0%	157.5
19 mm SP	1000	5.0%	50
	5050		252.5

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	458.65	\$	458.65
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	904.00			
Monthly Asphalt Cement Price month project let (APL)			\$	565.00			
Total Monthly Tonnage of asphalt cement (TMT)				1.35295679			

Bitum Tack

Gals	gals/ton	tons
315	232.8234	1.35295679

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				\$	0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	904.00			
Monthly Asphalt Cement Price month project let (APL)			\$	565.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ **86,056.15**

Department of Transportation

State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
DATE November 20, 2013

FROM Phil Copeland, Right of Way Administrator
LaShone Alexander, Right of Way Cost Estimator

TO Chandria Brown, Project Manager

SUBJECT **Preliminary Right of Way Cost Estimate**
Project: Haralson County
P.I. No.: 0009864
Description: SR 120 over Beach Creek Bridge Replacement

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

If you have any questions, please contact LaShone Alexander at One Georgia Center 600 West Parkway Street, NW Atlanta, GA 30308, Right of Way Office at (478) 553-1569 or (478) 232-4045.

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PC:LA
Attachments
c: File

NOTICE OF LOCATION AND DESIGN APPROVAL

P.I. NUMBER: 0009864

HARALSON COUNTY

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is September 24, 2014

The project is located in Haralson County in Land Lots 109, 139, and 140.

The proposed project consists of replacing the structurally deficient bridge located on SR 120 over Beach Creek, east of Tallapoosa. With the preferred alternate, SR 120 will be shifted approximately 15 feet to the south side of the existing alignment. The bridge will be stage constructed with traffic reduced to one lane across the bridge by utilizing a temporary traffic signal during the bridge construction. The project length is approximately 0.30 miles at road inventory milepost 4.51.

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:

Billy M. Dungan
District 6 – Area 3 Engineer
bdungan@dot.ga.gov
4323 US Hwy. 27
Buchanan, GA 30113
(770) 359-9543

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:

Albert V. Shelby, III
State Program Delivery Engineer
Georgia Department of Transportation
ashelby@dot.ga.gov
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
(404) 631-1758

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.