

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0005530 **OFFICE** Design Policy & Support
BR000-0005-00(530)
Chattooga County
GDOT District 6 - Cartersville **DATE** 6/19/2015
Bridge Replacement - SR48 @ East Fork Little
River 3.7 Miles NE of Menlo

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
Darryl VanMeter, State Innovative 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
Richard Cobb, Location Bureau Chief
DeWayne Comer, District Engineer
Cherie Marsh, District Planning & Programming Engineer
Rickey Boatner, Area Engineer - D6, A4
Nicole Law, Project Manager
BOARD MEMBER - 14th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE: P.I. 0005530

OFFICE: Program Delivery

BR000-0005-00 (530), Chattooga County

SR 48 Over E Fork Little River Bridge Replacement

DATE: June 10, 2015

ASAKAWA
FROM: Albert Shelby, III, State Program Delivery Engineer

Albert Shelby

TO: Brent Story, PE, State Design Policy Engineer

Attn: Dave Peters, PE

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: This project is the replacement of a structurally deficient bridge on SR 48 over East Fork Little River, 3.7 miles northeast of Menlo, Georgia. The project is 0.3078 miles long. The existing bridge, constructed in 1937, is a 160' x 32' concrete structure with a sufficiency rating of 41. State Route 48 at this location is a rural two lane roadway with 12' lanes with variable width grass shoulders with a posted speed of 55 MPH. The project proposes to construct a new 228' x 40' concrete bridge over East Fork Little River at the existing bridge site. The approaches will consist of two 12' lanes with 10' rural shoulders (6.5' paved). The existing bridge will be closed to traffic during construction, and traffic will be detoured via an on-site detour constructed south and west of the existing alignment.

Concept Approval Date: The original concept date was May 1, 2008. There have been no revisions to the concept report.

Concept Update: There are no revisions to be made to the Concept Report at this time.

Environmental Document: ~~The Categorical Exclusion (CE) is expected to be approved on June 15, 2015.~~ *CE - Approved June 15, 2015 (RP)*

Temporary State Route Needed: No Yes Undetermined

Public Involvement: Neither a PHOH nor PIOH was held. This project does not require displacements or relocations of residences or businesses.

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: 
GDOT Director of Engineering

Approve:  6.19.15
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: June 19, 2015

Attachments:

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

SKETCH MAP



APPROVED COST ESTIMATE*

ACTIVITY	AMOUNT	DATE
Construction	\$4,492,411.62	June 9, 2015
Right-of-Way	\$405,000.00	March 7, 2014
Utilities	\$310,000.00	June 9, 2015

*Supporting Documents Attached

DETAILED COST ESTIMATE



Job: 0005530

JOB NUMBER 0005530

FED/STATE PROJECT NUMBER BR000-0005-00(530)

SPEC YEAR: 01

DESCRIPTION: SR 48 @ EAST FORK LITTLE RIVER 3.7 MILES NE OF MENLO

ITEMS FOR JOB 0005530

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$100,000.00000	TRAFFIC CONTROL - 0005530	\$100,000.00
0195	153-1300	1.000	EA	\$72,765.37985	FIELD ENGINEERS OFFICE TP 3	\$72,765.38
0010	210-0100	1.000	LS	\$750,000.00000	GRADING COMPLETE - 0005530	\$750,000.00
0015	310-1101	6119.000	TN	\$20.44769	GR AGGR BASE CRS, INCL MATL	\$125,119.42
0200	318-3000	500.000	TN	\$21.64561	AGGR SURF CRS	\$10,822.81
0020	402-3100	701.000	TN	\$95.65261	REC AC 9.5 MM SP,TPI,GP1ORBL1,INCL BM&HL	\$67,052.48
0025	402-3121	2042.000	TN	\$76.60256	RECYL AC 25MM SP,GP1/2,BM&HL	\$156,422.43
0030	402-3190	1262.000	TN	\$78.34628	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$98,873.01
0035	413-1000	858.000	GL	\$2.72466	BITUM TACK COAT	\$2,337.76
0040	433-1100	284.000	SY	\$51.55996	REF CONC APPR SL/INCL CURB	\$14,643.03
0205	436-1000	565.000	LF	\$9.93310	ASPH CONC CURB - 0005530	\$5,612.20
0210	620-0100	2625.000	LF	\$28.77716	TEMP BARRIER, METHOD NO. 1	\$75,540.05
0215	634-1200	21.000	EA	\$106.01060	RIGHT OF WAY MARKERS	\$2,226.22
0045	641-1100	128.000	LF	\$53.40362	GUARDRAIL, TP T	\$6,835.66
0050	641-1200	534.000	LF	\$20.87824	GUARDRAIL, TP W	\$11,148.98
0055	641-5001	3.000	EA	\$727.57118	GUARDRAIL ANCHORAGE, TP 1	\$2,182.71
0060	641-5012	3.000	EA	\$1,894.17705	GUARDRAIL ANCHORAGE, TP 12	\$5,682.53
0220	643-8200	3560.000	LF	\$1.00089	BARRIER FENCE (ORANGE), 4 FT	\$3,563.17
SUBTOTAL FOR ROADWAY:						\$1,510,827.84

0020 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0065	441-0301	2.000	EA	\$1,636.33983	CONC SPILLWAY, TP 1	\$3,272.68
0070	441-0302	2.000	EA	\$1,615.08241	CONC SPILLWAY, TP 2	\$3,230.16
0225	500-3800	3.000	CY	\$920.57571	CL A CONC, INCL REINF STEEL	\$2,761.73
0075	550-1180	171.000	LF	\$49.52646	STM DR PIPE 18",H 1-10	\$8,469.02
0230	550-1240	63.000	LF	\$57.46625	STM DR PIPE 24",H 1-10	\$3,620.37
0235	550-2180	154.000	LF	\$39.13185	SIDE DR PIPE 18",H 1-10	\$6,026.30
0240	550-3518	2.000	EA	\$637.66847	SAFETY END SECTION 18",STD,6:1	\$1,275.34
0080	550-4218	10.000	EA	\$531.83342	FLARED END SECT 18 IN, ST DR	\$5,318.33
0245	550-4224	2.000	EA	\$647.36642	FLARED END SECT 24 IN, ST DR	\$1,294.73
0250	576-1018	246.000	LF	\$30.04495	SLOPE DRAIN PIPE, 18 IN	\$7,391.06
0255	668-2100	1.000	EA	\$1,756.30840	DROP INLET, GP 1	\$1,756.31
0260	668-4300	1.000	EA	\$1,776.25758	STORM SEW MANHOLE, TP 1	\$1,776.26
0265	668-4311	1.000	LF	\$215.53374	ST SEW MANHOLE,TP 1,A DEP,CL 1	\$215.53
0270	668-4312	17.000	LF	\$227.93129	ST SEW MANHOLE,TP 1,A DEP,CL 2	\$3,874.83
SUBTOTAL FOR DRAINAGE:						\$50,282.65

DETAILED COST ESTIMATE



Job: 0005530

0030 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0085	636-1020	9.000	SF	\$16.97290	HWY SGN,TP1MAT,REFL SH TP3	\$152.76
0275	636-1033	53.000	SF	\$19.41930	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,029.22
0090	636-2070	92.000	LF	\$7.92895	GALV STEEL POSTS, TP 7	\$729.46
0280	636-2080	30.000	LF	\$7.38798	GALV STEEL POSTS, TP 8	\$221.64
0095	653-1501	3996.000	LF	\$0.75065	THERMO SOLID TRAF ST 5 IN, WHI	\$2,999.60
0100	653-1502	3820.000	LF	\$0.70299	THERMO SOLID TRAF ST, 5 IN YEL	\$2,685.42
0285	653-1704	15.000	LF	\$5.20326	THERM SOLID TRAF STRIPE,24",WH	\$78.05
0290	653-6004	15.000	SY	\$4.41023	THERM TRAF STRIPING, WHITE	\$66.15
0105	654-1001	54.000	EA	\$5.95735	RAISED PVMT MARKERS TP 1	\$321.70
0110	657-1054	456.000	LF	\$10.13851	PRF PL SD PVMT MKG,5",WH,TP PB	\$4,623.16
0115	657-6054	456.000	LF	\$4.42589	PRF PL SD PVMT MKG,5",YW,TP PB	\$2,018.21
SUBTOTAL FOR SIGNING AND MARKING:						\$14,925.37

0040 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0120	163-0232	5.000	AC	\$564.77521	TEMPORARY GRASSING	\$2,823.88
0125	163-0240	30.000	TN	\$240.44192	MULCH	\$7,213.26
0130	163-0300	4.000	EA	\$1,276.65499	CONSTRUCTION EXIT	\$5,106.62
0135	163-0528	2010.000	LF	\$2.87694	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$5,782.65
0295	163-0550	1.000	EA	\$148.11856	CONS & REM INLET SEDIMENT TRAP	\$148.12
0150	165-0030	2500.000	LF	\$0.82888	MAINT OF TEMP SILT FENCE, TP C	\$2,072.20
0149	165-0041	1005.000	LF	\$1.29909	MAINT OF CHECK DAMS - ALL TYPES	\$1,305.59
0155	165-0101	4.000	EA	\$535.00739	MAINT OF CONST EXIT	\$2,140.03
0300	165-0105	1.000	EA	\$21.98184	MAINT OF INLET SEDIMENT TRAP	\$21.98
0160	167-1000	2.000	EA	\$200.52141	WATER QUALITY MONITORING AND SAMPLING	\$401.04
0165	167-1500	24.000	MO	\$450.56975	WATER QUALITY INSPECTIONS	\$10,813.67
0305	171-0030	5000.000	LF	\$2.04723	TEMPORARY SILT FENCE, TYPE C	\$10,236.15
0310	603-2182	28.000	SY	\$40.97234	STN DUMPED RIP RAP, TP 3, 24"	\$1,147.23
0315	603-7000	28.000	SY	\$3.08607	PLASTIC FILTER FABRIC	\$86.41
0170	700-6910	4.000	AC	\$1,140.01551	PERMANENT GRASSING	\$4,560.06
0320	700-6910	4.000	AC	\$1,140.01551	PERMANENT GRASSING	\$4,560.06
0325	700-7000	4.000	TN	\$114.49837	AGRICULTURAL LIME	\$457.99
0330	700-8000	2.000	TN	\$563.51419	FERTILIZER MIXED GRADE	\$1,127.03
0335	700-8100	200.000	LB	\$2.13042	FERTILIZER NITROGEN CONTENT	\$426.08
0175	716-2000	35433.000	SY	\$0.70922	EROSION CONTROL MATS, SLOPES	\$25,129.79
SUBTOTAL FOR EROSION CONTROL:						\$85,559.84

0050 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0180	505-1100	8800.000	SF	\$86.22000	COMP. STL GRID DECK W/ PRE. CONC. SLAB	\$758,736.00
0185	540-1101	1.000	LS	\$150,000.00000	REM OF EX BR, STA NO - 0005530	\$150,000.00
0190	540-1101	1.000	LS	\$150,000.00000	REM OF EX BR, STA NO - DETOUR BRIDGE	\$150,000.00
0340	541-0001	1.000	LS	\$324,000.00000	DETOUR BRIDGE - 150'X24'	\$324,000.00
0345	543-9000	1.000	LS	\$902,880.00000	CONSTR OF BRIDGE COMPLETE - 228'X44'	\$902,880.00
SUBTOTAL FOR BRIDGE:						\$2,285,616.00

DETAILED COST ESTIMATE



Job: 0005530

TOTALS FOR JOB 0005530

ITEMS COST:	\$3,947,211.70
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$3,947,211.70
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$3,947,211.70

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR000-0005-00(530) OFFICE Cartersville
Chattooga County
SR 48 @ East Fork Little River DATE June 9, 2015
P.I. No. 0005530

FROM *JD* Kerry D. Bonner, District Utilities Engineer
JD

TO Albert Shelby, State Program Delivery Engineer
ATTN: Nicole Law, Project Manager

SUBJECT UPDATED UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with an Updated Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Windstream Comm.	\$33,000.00	
Georgia Power Co.		\$ 310,000.00
Charter Communications	\$23,100.00	
Totals	\$56,100.00	\$ 310,000.00

The total preliminary utility cost for the above project is \$366,100.00.

If you have any questions, please contact Jennifer Deems at 678-721-5323.

KDB/jd

C: Lee Upkins, State Utilities Engineer
File/Estimating Book

**GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 3/7/2014 Project: BR-0005-00(530)
 Revised: County: Chattooga
 PI: 0005530

Description: SR 48 Over E. Fork Little River Bridge Replacement
 Project Termini: SR 48 Over E. Fork Little River Bridge Replacement

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 11

Land and Improvements _____ \$133,500.00

Proximity Damage \$0.00
Consequential Damage \$0.00
Cost to Cures \$0.00
Trade Fixtures \$0.00
Improvements \$25,000.00

Valuation Services _____ \$13,750.00

Legal Services _____ \$82,425.00

Relocation _____ \$22,000.00

Demolition _____ \$20,500.00

Administrative _____ \$132,000.00

TOTAL ESTIMATED COSTS _____ \$404,175.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$405,000.00

Preparation Credits	Hours	Signature

Prepared By: Dashone Alexander CG#: 286999 03/07/2014
 Approved By: Dashone Alexander CG#: 286999 03/07/2014

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

NOTICE OF LOCATION AND DESIGN APPROVAL

BR000-0005-00 (530) Chattooga County P. I. 0005530

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: **June 19, 2015**

Description of the Proposed Project: This project is 3.7 miles northeast of Menlo, Georgia in the 11th U.S. Congressional District, in GMD 927, Chattooga County. It is located in Land Lots 294 and 295 in the 13th Land District.

Description of the Proposed Construction: This project is the replacement of a structurally deficient bridge on SR 48 over East Fork Little River. Proposed construction will include the removal of the existing bridge and installation of a new 228' x 40' concrete bridge over East Fork Little River at the existing bridge site. The existing bridge will be closed to traffic during construction, and traffic will be detoured via an on-site detour constructed south and west of the existing alignment. SR 48 is currently signed at 55 mph. The alignment will remain in the existing location.

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:

*Ricky Boatner, Area Engineer
rboatner@dot.ga.gov
533 East 20th Street
Rome, GA 30161
Telephone: 706.295.6025*

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
Office of Program Delivery
Attn: Nicole Law, Project Manager
nlaw@dot.ga.gov
600 West Peachtree Street
25th Floor
Atlanta, GA 30308
Telephone: 404.631.1723*

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.