

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0007023 **OFFICE** Design Policy & Support
CSBRG-0007-00(023)
Banks County
GDOT District 1 - Gainesville **DATE** 09/21/2015
Bridge Replacement - SR59 @ Grove Creek

FROM  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
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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
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Tony Voyles, Area Engineer - D1, A3
Steven Heng, Project Manager
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE PI 0007023
CSBRG-0007-00(023)
Banks County
SR 59 @ Grove River Bridge

OFFICE Program Delivery

DATE 07/29/2015

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

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

SUBJECT Request for Location and Design Approval

Description and Project Proposal:

The proposed project will be to remove the existing bridge and build a new bridge in its place. The proposed length of the project is 0.3 miles with the new bridge being approximately 255 ft long and 40 ft wide. It is located in Banks County, 5.2 miles north of Commerce. The bridge and roadway segments tie into the existing roadway on a tangent and have no curvature. The offsite detour is approximately 7.4 miles, utilizing SR 164 and US 441/SR 15. By using an offsite detour alternate we negate the cost of a detour bridge. The road and bridge will continue to be a rural two lane, 55 mph corridor.

Concept Approval Date: 12/11/2013

Concept Update: N/A

Environmental Document:

Document Type: CE

Approval Date: 9/8/2015

Public Involvement:

The Public Detour Meeting was held December 5, 2013 at the Banks County Courthouse Annex, in Homer, GA. There were 14 people in attendance for the Public Detour Meeting and four comments were received. Of those comments, three were opposed and one was conditional. The main issue of concern was the ease of access by emergency vehicles to homes affected by the detour. Also, there was a comment requesting the load limit for the bridge to be reduced.

The proposed detour was changed due to concerns that the District Traffic Operations office had following the PFPR meeting. District 1 coordinated with OES and no further public meetings were necessary due to the newly proposed detour route being comparable in distance and delay. However, the new route will be publicized in the L&D report as well as a media campaign prior to detour implementation.

The public officials in attendance included Danny Maxwell, Banks County Board of Commissioners; Randy Failyer, Finance Officer; Dan Gasaway, State Representative; Sammy Reece, Banks County Board of Commissioners and Charles Turk, Banks County Board of Commissioners.

After the Public Detour Meeting, the project manager coordinated with Banks County Fire and EMS. They indicated the additional 2.6 miles would result in less than a five minute slower response time while the detour is in place, and in fact may be less since speeds along I-85 are typically faster than

the state route. They gave their verbal support for the detour. Therefore, no changes were made as a result of the Public Detour 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.

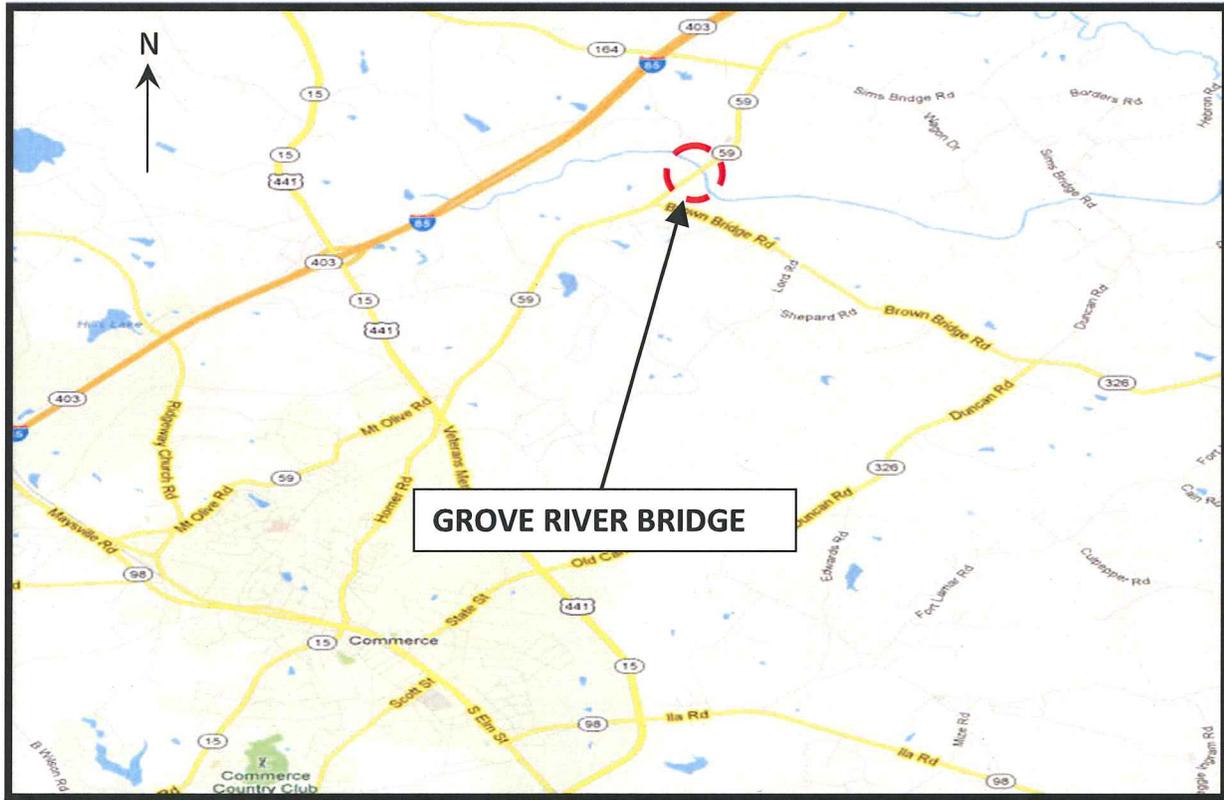
Concur: 
GDOT Director of Engineering

Approve:  9.21.15
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: September 21, 2015
(To be entered by State Conceptual Design Group Manager)

Attachments:

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



Project Location Map

Bridge Replacement on SR 59 at Grove River
Banks County

DETAILED COST ESTIMATE



Job: 0007023

JOB NUMBER 0007023

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 59 @ GROVE CREEK
BANKS COUNTY

ITEMS FOR JOB 0007023

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$4,000.00000	TRAFFIC CONTROL - 0007023	\$4,000.00
0010	153-1300	1.000	EA	\$63,653.04554	FIELD ENGINEERS OFFICE TP 3	\$63,653.05
0015	210-0100	1.000	LS	\$281,393.07000	GRADING COMPLETE - 0007023	\$281,393.07
0020	310-1101	2486.650	TN	\$20.54551	GR AGGR BASE CRS, INCL MATL	\$51,089.49
0215	402-1812	3.330	TN	\$98.93662	RECYL AC LEVELING, INC BM&HL	\$329.46
0025	402-3103	326.600	TN	\$93.63242	REC AC 9.5 MM SP, TPII, GP2, INCL BM & H L	\$30,580.35
0035	402-3121	1628.980	TN	\$72.79222	RECYL AC 25MM SP, GP1/2, BM&HL	\$118,577.07
0030	402-3190	465.420	TN	\$84.86164	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	\$39,496.30
0040	413-1000	460.860	GL	\$3.36761	BITUM TACK COAT	\$1,552.00
0220	432-5010	133.330	SY	\$9.65206	MILL ASPH CONC PVMT, VARB DEPTH	\$1,286.91
0045	433-1000	283.330	SY	\$137.93642	REINF CONC APPROACH SLAB	\$39,081.53
0055	610-1055	561.000	LF	\$6.10741	REM GUARDRAIL	\$3,426.26
0060	610-1075	4.000	EA	\$321.57535	REM GUARDRAIL ANCH, ALL TYPES	\$1,286.30
0050	610-2705	283.330	SY	\$48.54000	REM CONC APPROACH SLAB	\$13,752.84
0065	634-1200	17.000	EA	\$107.00925	RIGHT OF WAY MARKERS	\$1,819.16
0070	641-1100	84.000	LF	\$65.94188	GUARDRAIL, TP T	\$5,539.12
0075	641-1200	1084.000	LF	\$14.94037	GUARDRAIL, TP W	\$16,195.36
0080	641-5001	2.000	EA	\$598.78286	GUARDRAIL ANCHORAGE, TP 1	\$1,197.57
0085	641-5012	2.000	EA	\$1,845.87278	GUARDRAIL ANCHORAGE, TP 12	\$3,691.75
0090	643-8200	380.000	LF	\$1.14287	BARRIER FENCE (ORANGE), 4 FT	\$434.29
SUBTOTAL FOR ROADWAY:						\$678,381.88

0020 - BRIDGE REPLACEMENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0095	540-1101	1.000	LS	\$75,589.00000	REM OF EX BR, STA NO - 0007023	\$75,589.00
0100	543-9000	1.000	LS	\$812,812.50000	CONSTR OF BRIDGE COMPLETE - 0007023	\$812,812.50
SUBTOTAL FOR BRIDGE REPLACEMENT:						\$888,401.50

DETAILED COST ESTIMATE



Job: 0007023

0030 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0225	636-1020	3.500	SF	\$16.20916	HWY SGN,TP1MAT,REFL SH TP3	\$56.73
0230	636-1033	18.000	SF	\$20.05384	HWY SIGNS, TP1MAT,REFL SH TP 9	\$360.97
0235	636-2070	49.000	LF	\$7.23566	GALV STEEL POSTS, TP 7	\$354.55
0105	653-1501	2380.000	LF	\$0.81079	THERMO SOLID TRAF ST 5 IN, WHI	\$1,929.68
0110	653-1502	2380.000	LF	\$0.62435	THERMO SOLID TRAF ST, 5 IN YEL	\$1,485.95
0125	654-1001	72.000	EA	\$4.77800	RAISED PVMT MARKERS TP 1	\$344.02
0115	657-1054	510.000	LF	\$5.05980	PRF PL SD PVMT MKG,5",WH,TP PB	\$2,580.50
0120	657-6054	510.000	LF	\$5.49350	PRF PL SD PVMT MKG,5",YW,TP PB	\$2,801.69
SUBTOTAL FOR SIGNING & MARKING:						\$9,914.09

0040 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0130	163-0232	2.400	AC	\$472.98087	TEMPORARY GRASSING	\$1,135.15
0135	163-0240	37.000	TN	\$223.93369	MULCH	\$8,285.55
0240	163-0527	53.000	EA	\$214.23982	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$11,354.71
0155	163-0528	1680.000	LF	\$3.28312	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$5,515.64
0145	165-0030	5226.000	LF	\$0.70136	MAINT OF TEMP SILT FENCE, TP C	\$3,665.31
0245	165-0041	2528.000	LF	\$1.11381	MAINT OF CHECK DAMS - ALL TYPES	\$2,815.71
0170	167-1000	2.000	EA	\$172.97293	WATER QUALITY MONITORING AND SAMPLING	\$345.95
0179	167-1500	6.000	MO	\$464.86549	WATER QUALITY INSPECTIONS	\$2,789.19
0185	171-0030	5226.000	LF	\$2.42680	TEMPORARY SILT FENCE, TYPE C	\$12,682.46
0190	716-2000	3317.000	SY	\$0.98029	EROSION CONTROL MATS, SLOPES	\$3,251.62
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$51,841.29

0050 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0195	700-6910	2.500	AC	\$854.00875	PERMANENT GRASSING	\$2,135.02
0200	700-7000	9.500	TN	\$74.63702	AGRICULTURAL LIME	\$709.05
0205	700-8000	2.000	TN	\$499.42998	FERTILIZER MIXED GRADE	\$998.86
0210	700-8100	116.000	LB	\$2.10298	FERTILIZER NITROGEN CONTENT	\$243.95
0250	711-0100	818.000	SY	\$3.40000	TURF REINFORCING MATTING, TP 1	\$2,781.20
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$6,868.08

0060 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0255	550-1180	64.000	LF	\$49.28709	STM DR PIPE 18",H 1-10	\$3,154.37
0260	550-1240	66.000	LF	\$46.28611	STM DR PIPE 24",H 1-10	\$3,054.88
0265	550-4118	4.000	EA	\$332.23615	FLARED END SECT 18 IN, SIDE DR	\$1,328.94
0270	550-4124	4.000	EA	\$400.78432	FLARED END SECT 24 IN, SIDE DR	\$1,603.14
0275	603-2181	14.000	SY	\$53.72137	STN DUMPED RIP RAP, TP 3, 18"	\$752.10
0280	603-2182	42.000	SY	\$42.82133	STN DUMPED RIP RAP, TP 3, 24"	\$1,798.50
0285	603-2184	39.000	SY	\$58.24000	STN DUMPED RIP RAP, TP 3, 30"	\$2,271.36
SUBTOTAL FOR DRAINAGE:						\$13,963.29

TOTALS FOR JOB 0007023

DETAILED COST ESTIMATE



Job: 0007023

ITEMS COST:	\$1,649,370.13
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,649,370.13
CONTINGENCY PERCENT:	0.07
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,847,294.55

NOTICE OF LOCATION AND DESIGN APPROVAL
CSBRG-0007-00(023)
BANKS COUNTY
P.I. 0007023

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: **September 21, 2015**

The proposed project will be to remove the existing bridge and build a new bridge in its place. The proposed length of the project is 0.3 miles with the new bridge being approximately 255 ft long and 40 ft wide. It is located in Banks County, 5.2 miles north of Commerce in Banks County, and located within G.M. Districts 207 and 208. The bridge and roadway segments tie into the existing roadway on a tangent and have no curvature. The offsite detour is approximately 7.4 miles, utilizing SR 164 and US 441/SR 15. The road and bridge will continue to be a rural two lane, 55 mph corridor.

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:

Tony Voyles
tvoyles@dot.ga.gov
301 Conger Road,
Carnesville, GA 30521
(706) 384-7269

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
Attn: Steven Heng
khheng@dot.ga.gov
One Georgia Center
600 West Peachtree Street
Atlanta, GA 30308
(404) 631-1161

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.