

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0010407 **OFFICE** Design Policy & Support
Coffee County
GDOT District 4 - Tifton **DATE** 6/9/2014
SR 32 @ Bear Creek Approximately 4 miles SE of
Ambrose

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: Sandy Griffin, District Design Engineer
Jeff Fletcher, Location Bureau Chief
Joe Sheffield, District Engineer
Brent A. Thomas, District Preconstruction Engineer
Shane Pridgen, District Planning & Programming Engineer
Keith Carver, Area Engineer - D4, A2
Sonja Thompson, Project Manager
BOARD MEMBER - 12th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0010407 OFFICE Program Delivery
SR 32 @ Bear Creek Approximately 4 mile SE of Ambrose
DATE May 22, 2014

FROM: Albert  Shelby, III, State Program Delivery Engineer 

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

SUBJECT: **Request for Location and Design Approval**

Description and Project Proposal: The proposed project would replace the existing bridge on SR 32 @ Bear Creek approximately 4 miles southwest of Ambrose, Georgia. The current Bridge Sufficiency Rating is 56.34 and will be replaced with a wider bridge that meets current GDOT Guidelines. The proposed approaches will consist of two-12 foot travel lanes, 10 foot shoulders with 4 foot paved and open ditches. Traffic will be maintained with an ~~Off-site~~  Detour. ~~The length of the proposed detour is approximately 14.21 miles.~~ This project is located in the 5th Land District and Land Lots 70 & 71. The proposed project will be approximately 0.19 miles in length. 

Concept Approval Date: 7/12/2012

Concept Update: None

Environmental Document Type, Approval Date & any Reevaluations: Categorical Exclusion, approved 5/22/2014

Temporary State Route Needed: No Yes Undetermined

Public Involvement:

- Public Detour Open House Results:
 - On September 13, 2012 a Detour Open House was held at Ambrose Community Center, 98 West Elm Street, Ambrose, Georgia.
 - All commenters objected to the use of an offsite detour that would take traffic through Ambrose. The main concerns were for safety in the school zone, increased congestion, and increased emergency response times.
 - One commenter complained that it should not take 8-9 months to construct the replacement bridge.
 - The meeting was over staffed and waste of tax payer money.
 - The DOT failed to adequately advertise for the public meeting.
 - There were 21 total number of comments received.
 - 21 comments were opposing the detour.
 - As a result of the meeting, GDOT decided to use an on-site detour instead of an off-site detour to maintain traffic along SR 32 throughout the construction period.

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: Allen Bourne
Director of Engineering

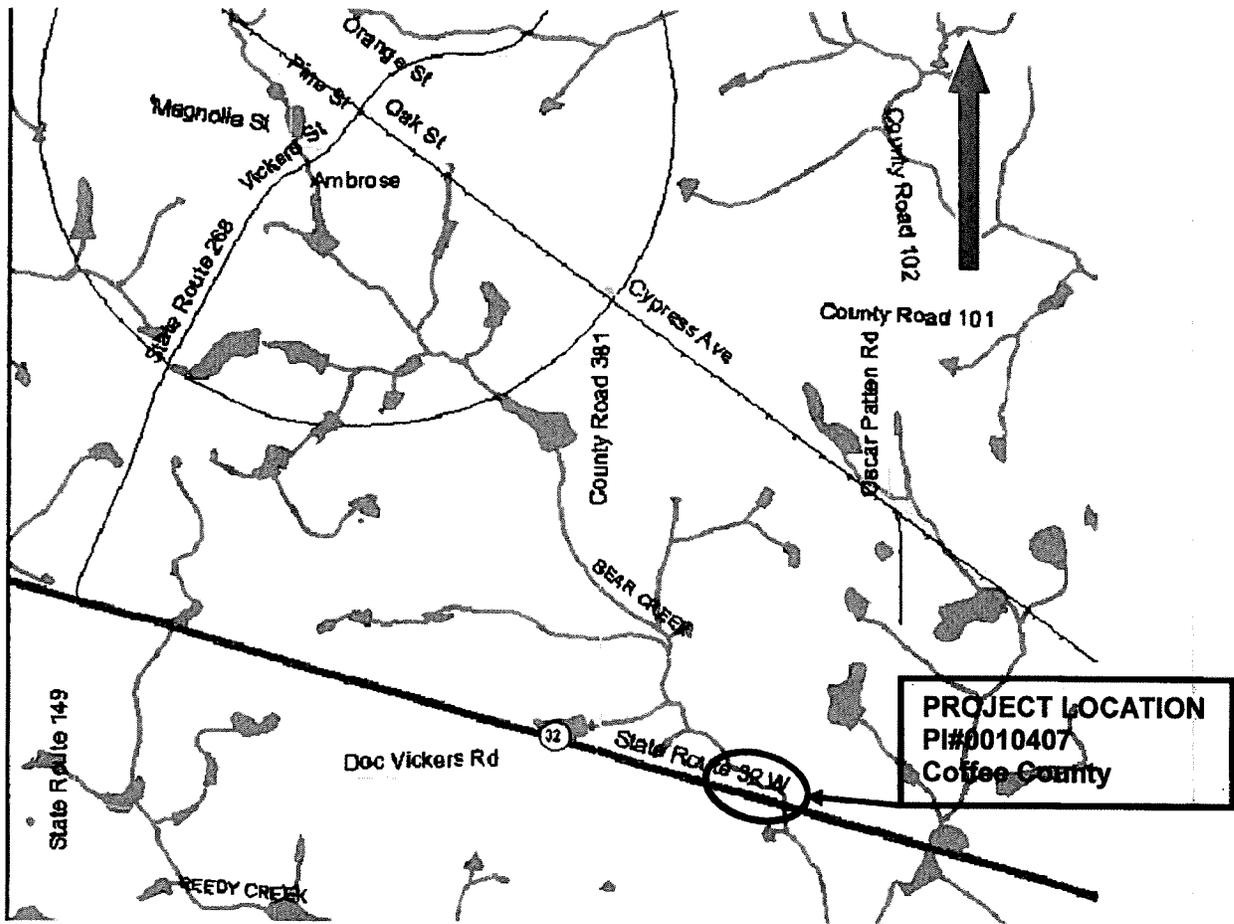
APPROVE: Russell McManis ^{ASCE} 6/6/14
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: June 9, 2014
(To be entered by the State Conceptual Design Group Manager)

Attachments:

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

PROJECT LOCATION:



SR 32 @ Bear Creek

Coffee County

DETAILED COST ESTIMATE



Job: 0010407_COFFEE

JOB NUMBER 0010407_COFFEE

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 32 OVER BEAR CREEK

ITEMS FOR JOB 0010407_COFFEE

010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$20,000.00000	TRAFFIC CONTROL - 0010407	\$20,000.00
0009	150-5010	2.000	EA	\$7,436.12800	TRAF CTRL,PORTABLE IMPACT ATTN	\$14,872.26
0010	153-1300	1.000	EA	\$68,000.00000	FIELD ENGINEERS OFFICE TP 3	\$68,000.00
0015	210-0100	1.000	LS	\$165,000.00000	GRADING COMPLETE - 0010407	\$165,000.00
0088	310-5060	5218.800	SY	\$10.56199	GR AGGR BS CRS 6IN INCL MATL	\$55,120.91
0020	310-5120	3498.660	SY	\$19.42038	GR AGGR BS CRS 12IN INCL MATL	\$67,945.31
0293	402-1812	1037.000	TN	\$83.89021	RECYL AC LEVELING,INC BM&HL	\$86,994.15
0034	402-3121	2384.000	TN	\$71.32723	RECYL AC 25MM SP,GP1/2,BM&HL	\$170,044.12
0030	402-3130	1175.000	TN	\$89.23079	RECYL AC 12.5MM SP,GP2,BM&HL	\$104,846.18
0035	402-3190	2838.000	TN	\$91.55000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$259,818.90
0040	413-1000	1714.000	GL	\$10.00000	BITUM TACK COAT	\$17,140.00
0188	429-1000	12.000	EA	\$536.51552	RUMBLE STRIPS	\$6,438.19
0328	432-5010	1700.000	SY	\$4.45385	MILL ASPH CONC PVMT,VARB DEPTH	\$7,571.55
0288	433-1200	283.340	SY	\$141.89666	REF CONC APPR SL/I SLOPED EDGE	\$40,205.00
0323	436-1000	907.000	LF	\$7.36001	ASPH CONC CURB - COFFEE 0010407	\$6,675.53
0050	441-0301	4.000	EA	\$1,865.00000	CONC SPILLWAY, TP 1	\$7,460.00
0318	446-1100	1800.000	LF	\$4.07025	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$7,326.45
0333	456-2015	1.000	GLM	\$3,803.66667	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$3,803.67
0087	500-3101	1.000	CY	\$477.98721	CLASS A CONCRETE	\$477.99
0098	500-3200	2.500	CY	\$572.79097	CL B CONC	\$1,431.98
0308	550-2180	180.000	LF	\$28.35252	SIDE DR PIPE 18",H 1-10	\$5,103.45
0313	550-3618	8.000	EA	\$512.02401	SAFETY END SECTION 18",SD,6:1	\$4,096.19
0082	576-1018	114.000	LF	\$34.53625	SLOPE DRAIN PIPE, 18 IN	\$3,937.13
0173	577-1100	6.000	EA	\$1,321.18676	METAL DR INLET - CMPLT ASSMBLY	\$7,927.12
0298	620-0100	1820.000	LF	\$23.93330	TEMP BARRIER, METHOD NO. 1	\$43,558.61
0075	634-1200	8.000	EA	\$115.00000	RIGHT OF WAY MARKERS	\$920.00
0076	641-1100	84.000	LF	\$65.00000	GUARDRAIL, TP T	\$5,460.00
0077	641-1200	800.000	LF	\$17.00000	GUARDRAIL, TP W	\$13,600.00
0083	641-5001	2.000	EA	\$650.00000	GUARDRAIL ANCHORAGE, TP 1	\$1,300.00
0093	641-5012	2.000	EA	\$1,915.00000	GUARDRAIL ANCHORAGE, TP 12	\$3,830.00
0228	643-8200	415.000	LF	\$1.71116	BARRIER FENCE (ORANGE), 4 FT	\$710.13
SUBTOTAL FOR ROADWAY :						\$1,201,614.82



DETAILED COST ESTIMATE

Job: 0010407 COFFEE

020 - EROSION CONTROL PERMANENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0103	700-6910	10.000	AC	\$1,000.00000	PERMANENT GRASSING	\$10,000.00
0108	700-7000	30.000	TN	\$65.00000	AGRICULTURAL LIME	\$1,950.00
0113	700-8000	8.000	TN	\$550.00000	FERTILIZER MIXED GRADE	\$4,400.00
0118	700-8100	1000.000	LB	\$4.00000	FERTILIZER NITROGEN CONTENT	\$4,000.00
0238	716-2000	19279.000	SY	\$1.12696	EROSION CONTROL MATS, SLOPES	\$21,726.66
SUBTOTAL FOR EROSION CONTROL PERMANENT:						\$42,076.66

030 - EROSION CONTROL TEMPORARY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0123	163-0232	10.000	AC	\$600.00000	TEMPORARY GRASSING	\$6,000.00
0133	163-0240	160.000	TN	\$250.00000	MULCH	\$40,000.00
0138	163-0300	2.000	EA	\$1,200.00000	CONSTRUCTION EXIT	\$2,400.00
0086	163-0520	234.000	LF	\$12.27038	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,871.27
0148	163-0529	628.000	LF	\$4.00000	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$2,512.00
0258	163-0550	4.000	EA	\$194.07984	CONS & REM INLET SEDIMENT TRAP	\$776.32
0153	165-0030	1500.000	LF	\$1.00000	MAINT OF TEMP SILT FENCE, TP C	\$1,500.00
0158	165-0041	110.000	LF	\$1.55000	MAINT OF CHECK DAMS - ALL TYPES	\$170.50
0163	165-0071	314.000	LF	\$0.91000	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$285.74
0168	165-0101	2.000	EA	\$500.00000	MAINT OF CONST EXIT	\$1,000.00
0243	165-0105	4.000	EA	\$36.13539	MAINT OF INLET SEDIMENT TRAP	\$144.54
0178	167-1000	2.000	EA	\$500.00000	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0183	167-1500	18.000	MO	\$500.00000	WATER QUALITY INSPECTIONS	\$9,000.00
0193	171-0030	3000.000	LF	\$3.00000	TEMPORARY SILT FENCE, TYPE C	\$9,000.00
SUBTOTAL FOR EROSION CONTROL TEMPORARY:						\$76,660.37

040 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0198	636-1020	0.000	SF	\$17.00000	HWY SGN,TP1MAT,REFL SH TP3	\$0.00
0203	636-1033	60.000	SF	\$22.00000	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,320.00
0208	636-2070	112.000	LF	\$8.00000	GALV STEEL POSTS, TP 7	\$896.00
0213	652-5451	3000.000	LF	\$1.00000	SOLID TRAF STRIPE, 5 IN, WHITE	\$3,000.00
0223	652-5452	3000.000	LF	\$1.00000	SOLID TRAF STRIPE, 5 IN, YELLO	\$3,000.00
0049	652-6502	3000.000	GLF	\$0.70000	SKIP TRAF STRIPE, 5 IN, YELLOW	\$2,100.00
0233	654-1001	38.000	EA	\$3.00000	RAISED PVMT MARKERS TP 1	\$114.00
0248	657-1085	420.000	LF	\$7.00000	PRF PL SD PVT MKG,8",B/W,TP PB	\$2,940.00
0253	657-6085	420.000	LF	\$7.00000	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$2,940.00
SUBTOTAL FOR SIGNING AND MARKING:						\$16,310.00

050 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0263	540-1101	1.000	LS	\$103,950.00000	REM OF EX BR, STA NO - Y	\$103,950.00
0303	541-0001	1.000	LS	\$240,000.00000	DETOUR BRIDGE - Y	\$240,000.00
0268	543-9000	1.000	LS	\$600,000.00000	CONSTR OF BRIDGE COMPLETE - Y	\$600,000.00
0278	603-2024	509.000	SY	\$64.00000	STN DUMPED RIP RAP, TP 1, 24"	\$32,576.00
0283	603-7000	509.000	SY	\$4.90000	PLASTIC FILTER FABRIC	\$2,494.10
SUBTOTAL FOR BRIDGE:						\$979,020.10

DETAILED COST ESTIMATE



Job: 0010407 COFFEE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0128	109-0300	1.000	*S*	\$127,592.20	PRICE ADJ - ASPHALT CEMENT	\$127,592.20
SUBTOTAL FOR :						\$127,592.20

TOTALS FOR JOB 0010407_COFFEE

ITEMS COST:	\$2,443,274.16
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,443,274.16
ENGINEERING AND INSPECTION:	0.06
ESTIMATED COST WITH ENGINEERING & INSPECTION:	\$2,565,437.86

5/22/2014

CALL NO.

10407
0010407
5/22/2014

PROJ. NO.
P.I. NO.
DATE

INDEX (TYPE)
REG. UNLEADED
DIESEL
LIQUID AC

DATE	INDEX
May-14	\$ 3.692
	\$ 3.931
	\$ 561.00

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)					
Monthly Asphalt Cement Price month placed (APM)					
Monthly Asphalt Cement Price month project let (APL)					
Total Monthly Tonnage of asphalt cement (TMT)					

125114.22
 897.60
 561.00
 371.7

\$
 \$
 \$

60%
 Max. Cap
 60%
 Max. Cap

\$ 125,114.22
 \$ 2,477.98
 \$ 897.60
 \$ 561.00
 \$ 7,361,802.98

ASPHALT	Tons	%AC	AC ton
Leveling	1037	5.0%	51.85
12.5 OGFC		5.0%	0
12.5 mm	1175	5.0%	58.75
9.5 mm SP		5.0%	0
25 mm SP	2384	5.0%	119.2
19 mm SP	2838	5.0%	141.9
7434			371.7

BITUMINOUS TACK COAT					
Price Adjustment (PA)					
Monthly Asphalt Cement Price month placed (APM)					
Monthly Asphalt Cement Price month project let (APL)					
Total Monthly Tonnage of asphalt cement (TMT)					

2,477.98
 897.60
 561.00
 7,361,802.98

\$
 \$
 \$

60%
 Max. Cap
 60%
 Max. Cap

Bitum Tack			
Gals	gals/ton	tons	
1714	232.8234	7.36180298	

PROJ. NO.

10407

CALL NO.

5/22/2014

P.I. NO.

0010407

DATE

5/22/2014

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)

0

\$

Monthly Asphalt Cement Price month placed (APM)

897.60

Monthly Asphalt Cement Price month project let (APL)

561.00

Total Monthly Tonnage of asphalt cement (TMT)

0

60%

Max. Cap

897.60

561.00

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

0

TOTAL LIQUID AC ADJUSTMENT

\$

127,592.20

NOTICE OF LOCATION AND DESIGN APPROVAL
COFFEE COUNTY
PI# 0010407

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 the Location Approval is: JUNE 9, 2014

The proposed project would replace the existing bridge on SR 32 @ Bear Creek approximately 4 miles southwest of Ambrose, Georgia. The current Bridge Sufficiency Rating is 56.34 and will be replaced with a wider bridge that meets current GDOT Guidelines. The proposed approaches will consist of two-12 foot travel lanes, 10 foot shoulders with 4 foot paved and open ditches. Traffic will be maintained with an On-site Detour. This project is located in the 5th Land District and Land Lots 70 & 71. The proposed project will be approximately 0.19 miles in length.

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:

Howard "Keith" Carver
hcarver@dot.ga.gov
1835 South Peterson Ave
Douglas, Georgia 31535
912-389-4201

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
Office of Program Delivery
ashelby@dot.ga.gov
600 West Peachtree Street
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.