

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I.# 0009861

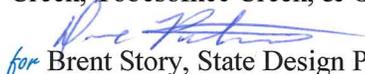
OFFICE Design Policy & Support

Bibb County

GDOT District 3 - Thomaston

DATE 1/9/2017

SR 11/SR 49 Bridge Replacements @ Rocky
Creek, Tobesofkee Creek, & Overflows

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:

Hiral Patel, Director of Engineering
Joe Carpenter, 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
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Frank Flanders, Design Group Manager
Richard Cobb, Location Bureau Chief
Michael Presley, District Engineer
Adam Smith, District Preconstruction Engineer
Jack Reed, District Planning & Programming Engineer
Kraig Collins, Area Engineer - D3, A4
Derrick Cameron, Project Manager
BOARD MEMBER - 2nd Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. 0009861 **OFFICE** Program Delivery
Bibb County
SR 11/SR 49 @ROCKY CRK & OVERFLOW **DATE** December 21, 2016
& @TOBESOFKEE CRK &OVERFLOW

FROM Albert V. Shelby, III, State Program Delivery Administrator

TO Brent Story, 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 will replace the existing southbound and northbound bridges (8 total) over Rocky Creek, Tobesofkee Creek, and their respective overflows along SR 11/SR 49/US 41/US 129 between the intersection of Houston Road on the south and the diverge of US 41/US 129 on the north in northern Bibb County. The existing roadway consists of six lanes and a depressed grass median (32-foot typical width). All the bridges have been in place for 70 to 90 years and portions were widened approximately 30 years ago. Hydraulic studies, bridge sufficiency ratings, age and impact to the public all play a significant role into why replacing the bridges is the best feasible option at this time. The proposed bridges will consist of three 12-foot lanes in each direction (6 lanes total) with an 8 foot outside shoulder and 4-foot inside shoulder.

Concept Approval Date: September 20, 2012

Concept Update: June 19, 2015

Environmental Document:

Document Type: CE Approval Date: December 13, 2016

Temporary State Route Needed: No Yes Undetermined

Public Involvement: A Public Information Open House was held June 14, 2016, at Porterfield Baptist Church located at 2910 Allen Road, Macon, GA 31216. There were seventeen people who attended the meeting and five comments were registered.

The statistics are as follows:

Number Opposed = 0
Number In Support = 4
Uncommitted = 0
Conditional = 1

Comments provided by respondents included concerns about the impacts construction activities would pose on traffic. One commenter expressed concerns about utilizing more resources to

accommodating persons who are not able to attend the meeting. There were several comments regarding the time required to construct the bridges.

MAJOR CONCERNS:

No major concerns

OFFICIALS:

No officials attended the 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: *Neal Pittel*
GDOT Director of Engineering

Approve: *Margaret B. Puckle* *1/5/17*
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *January 9, 2017*

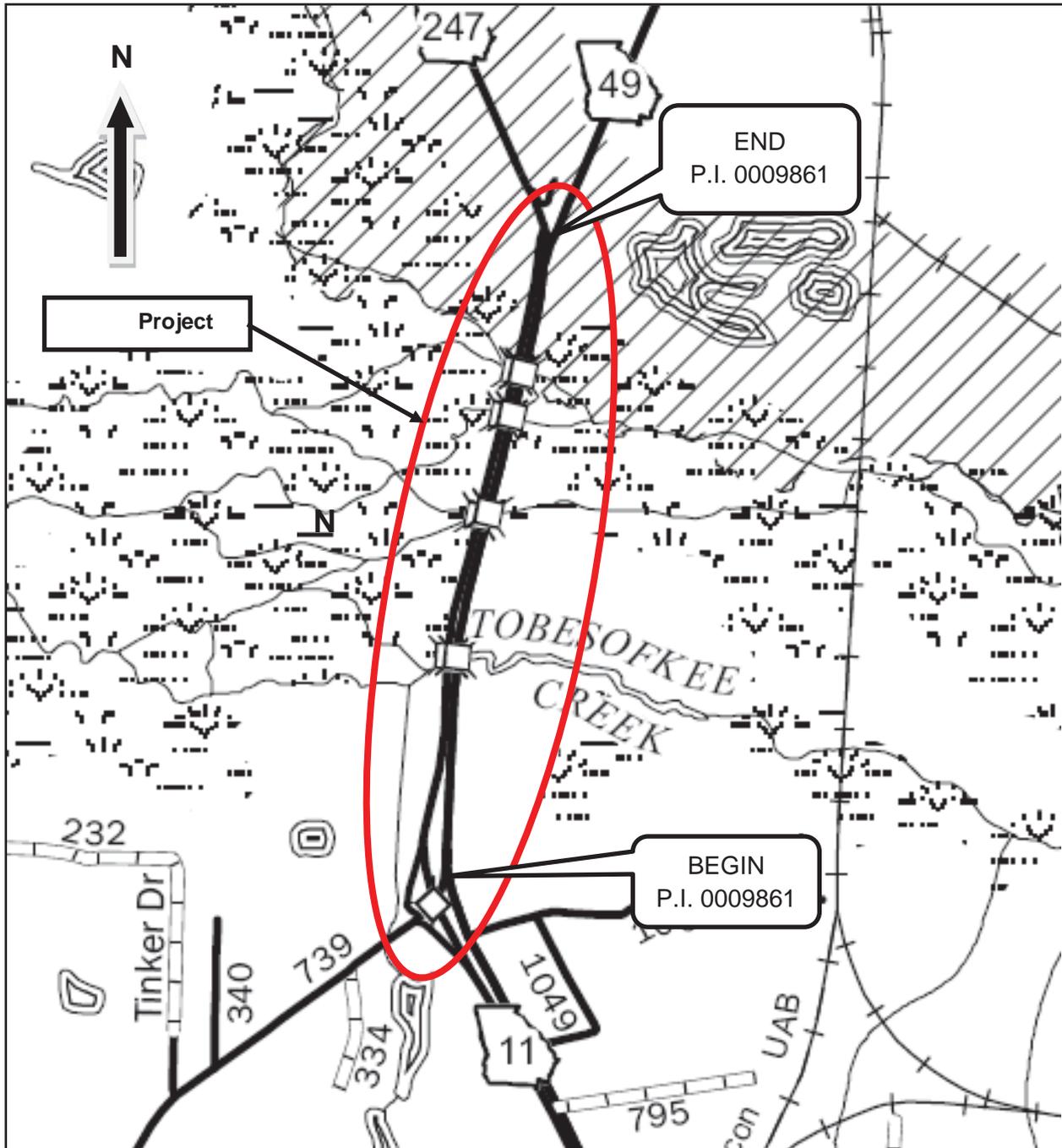
Attachments:

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

PROJECT LOCATION

Bridge Replacement – SR 11/SR 49/US 41 over Rocky Creek

Bibb County



DETAILED COST ESTIMATE

JOB NUMBER: 0009861_ALT4

FED/STATE PROJECT NUMBER:

SPEC YEAR: 13

DESCRIPTION: SR 11/SR 49/US 41- 8 BRIDGE REPLACEMENTS 4 SB, 4 NB

ITEMS FOR JOB 0009861 ALT4

0100 - ROADWAY

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.00	LS	\$400,000.0000 0	TRAFFIC CONTROL -	\$400,000.00
0008	201-1500	1.00	LS	\$385,880.0000 0	CLEARING & GRUBBING -	\$385,880.00
0009	632-0003	4.00	EA	\$8,588.53552	CHANGEABLE MESS SIGN,PORT,TP 3	\$34,354.14
0010	153-1300	1.00	EA	\$84,000.00000	FIELD ENGINEERS OFFICE TP 3	\$84,000.00
0013	205-0001	5836.00	CY	\$4.94827	UNCLASS EXCAV	\$28,878.10
0014	206-0002	145553.00	CY		BORROW EXCAV, INCL MATL	
0024	310-1101	30490.00	TN	\$30.39782	GR AGGR BASE CRS, INCL MATL	\$926,829.53
0028	402-3130	1342.00	TN	\$96.65963	RECYL AC 12.5MM SP,GP2,BM&HL	\$129,717.22
0029	402-4510	3056.00	TN	\$90.02187	RECYL AC 12.5 MM SP,GP2ONLY,INC P-MBM&HL	\$275,106.83
0030	402-3190	5864.00	TN	\$71.00000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$416,344.00
0035	402-3121	14906.00	TN	\$70.00000	RECYL AC 25MM SP,GP1/2,BM&HL	\$1,043,420.00
0045	413-0750	4264.00	GL	\$3.00000	TACK COAT	\$12,792.00
0049	446-1100	12344.00	LF	\$3.56650	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$44,024.88
0050	456-2012	2.00	GLM	\$1,000.00000	INTENT. RUMB. STRIPS - GRND-IN-PL (CONT)	\$2,000.00
0053	432-5010	720.00	SY	\$10.00525	MILL ASPH CONC PVMT,VARB DEPTH	\$7,203.78
0054	620-0100	2000.00	LF	\$30.89194	TEMP BARRIER, METHOD NO. 1	\$61,783.88
0064	402-1812	44.00	TN	\$127.60971	RECYL AC LEVELING,INC BM&HL	\$5,614.83
0065	641-1100	480.00	LF	\$80.00000	GUARDRAIL, TP T	\$38,400.00
0069	643-1152	305.00	LF	\$36.22770	CH LK FEN,ZC COAT, 6', 9 GA	\$11,049.45
0070	641-1200	7200.00	LF	\$20.00000	GUARDRAIL, TP W	\$144,000.00
0074	436-1000	7680.00	LF	\$10.29606	ASPH CONC CURB -	\$79,073.74
0075	641-5001	8.00	EA	\$966.28558	GUARDRAIL ANCHORAGE, TP 1	\$7,730.28
0079	643-8200	12200.00	LF	\$2.25652	BARRIER FENCE (ORANGE), 4 FT	\$27,529.54
0080	641-5012	24.00	EA	\$2,176.92803	GUARDRAIL ANCHORAGE, TP 12	\$52,246.27
0089	150-5010	2.00	EA	\$8,258.86589	TRAF CTRL,PORTABLE IMPACT ATTN	\$16,517.73
0215	433-1000	2560.00	SY	\$175.58500	REINF CONC APPROACH SLAB	\$449,497.60
0390	511-1000	560.00	LB	\$1.29678	BAR REINF STEEL	\$726.20
ROADWAY Total						\$4,684,720.00

0200 - EROSION CONTROL

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0090	163-0232	8.00	AC	\$600.00000	TEMPORARY GRASSING	\$4,800.00
0095	163-0240	332.00	TN	\$250.00000	MULCH	\$83,000.00
0130	700-6910	16.00	AC	\$1,000.00000	PERMANENT GRASSING	\$16,000.00
0135	700-7000	48.00	TN	\$65.00000	AGRICULTURAL LIME	\$3,120.00
0140	700-8000	30.00	TN	\$450.00000	FERTILIZER MIXED GRADE	\$13,500.00
0145	700-8100	1600.00	LB	\$2.30000	FERTILIZER NITROGEN CONTENT	\$3,680.00
0305	603-2024	104.00	SY	\$78.24856	STN DUMPED RIP RAP, TP 1, 24	\$8,137.85
0310	603-7000	104.00	SY	\$4.20444	PLASTIC FILTER FABRIC	\$437.26
0315	163-0300	8.00	EA	\$1,651.30118	CONSTRUCTION EXIT	\$13,210.41
0319	165-0101	8.00	EA	\$680.95314	MAINT OF CONST EXIT	\$5,447.63
0320	163-0520	1365.00	LF	\$17.50299	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$23,891.58
0325	163-0527	70.00	EA	\$250.00000	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$17,500.00
0330	163-0528	4056.00	LF	\$3.00000	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$12,168.00
0334	165-0041	2728.00	LF	\$2.50000	MAINT OF CHECK DAMS - ALL TYPES	\$6,820.00
0335	163-0541	15.00	EA	\$500.00000	CONSTR & REM ROCK FILTER DAMS	\$7,500.00

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0339	165-0110	15.00	EA	\$125.00000	MAINT OF ROCK FILTER DAM	\$1,875.00
0340	163-0542	36.00	EA	\$300.00000	CONSTR & REM STONE FILTER RING	\$10,800.00
0345	163-0550	5.00	EA	\$211.52140	CONS & REM INLET SEDIMENT TRAP	\$1,057.61
0349	165-0105	5.00	EA	\$64.30074	MAINT OF INLET SEDIMENT TRAP	\$321.50
0350	165-0010	50.00	LF	\$1.00112	MAINT OF TEMP SILT FENCE, TP A	\$50.06
0355	171-0010	100.00	LF	\$2.69395	TEMPORARY SILT FENCE, TYPE A	\$269.40
0360	165-0030	9100.00	LF	\$0.35956	MAINT OF TEMP SILT FENCE, TP C	\$3,272.00
0365	171-0030	18200.00	LF	\$4.45393	TEMPORARY SILT FENCE, TYPE C	\$81,061.53
0370	165-0111	36.00	EA	\$150.00000	MAINT OF STONE FILTER RING	\$5,400.00
0375	167-1000	2.00	EA	\$410.89607	WATER QUALITY MONITORING AND SAMPLING	\$821.79
0380	167-1500	24.00	MO	\$1,173.81162	WATER QUALITY INSPECTIONS	\$28,171.48
EROSION CONTROL Total						\$352,313.10

0300 - SIGNING AND MARKING

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0250	653-1501	6406.00	LF	\$1.06845	THERMO SOLID TRAF ST 5 IN, WHI	\$6,844.49
0255	653-1502	6406.00	LF	\$1.06228	THERMO SOLID TRAF ST, 5 IN YEL	\$6,804.97
0260	653-3501	12812.00	GLF	\$0.57307	THERMO SKIP TRAF ST, 5 IN, WHI	\$7,342.17
0265	657-1054	2694.00	LF	\$4.48205	PRF PL SD PVMT MKG,5,WH,TP PB	\$12,074.64
0268	636-1020	880.00	SF	\$14.32154	HWY SGN,TP1MAT,REFL SH TP3	\$12,602.96
0269	636-2070	550.00	LF	\$8.04884	GALV STEEL POSTS, TP 7	\$4,426.86
0270	657-6054	2694.00	LF	\$4.71832	PRF PL SD PVMT MKG,5,YW,TP PB	\$12,711.15
0274	657-3054	5528.00	GLF	\$3.80322	PRF PL SK PVMT MKG,5,WH,TP PB	\$21,024.20
SIGNING AND MARKING Total						\$83,831.44

0400 - BRIDGE

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0198	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0199	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0200	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0201	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0202	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0203	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0204	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0205	540-1101	1.00	LS	\$53,295.00000	REM OF EX BR, STA NO -	\$53,295.00
0278	543-9000	1.00	LS	\$763,200.00000	CONSTR OF BRIDGE COMPLETE -	\$763,200.00
0279	543-9000	1.00	LS	\$669,600.00000	CONSTR OF BRIDGE COMPLETE -	\$669,600.00
0280	543-9000	1.00	LS	\$511,200.00000	CONSTR OF BRIDGE COMPLETE -	\$511,200.00
0281	543-9000	1.00	LS	\$741,600.00000	CONSTR OF BRIDGE COMPLETE -	\$741,600.00
0282	543-9000	1.00	LS	\$763,200.00000	CONSTR OF BRIDGE COMPLETE -	\$763,200.00
0283	543-9000	1.00	LS	\$669,600.00000	CONSTR OF BRIDGE COMPLETE -	\$669,600.00
0284	543-9000	1.00	LS	\$511,200.00000	CONSTR OF BRIDGE COMPLETE -	\$511,200.00
0285	543-9000	1.00	LS	\$741,600.00000	CONSTR OF BRIDGE COMPLETE -	\$741,600.00
BRIDGE Total						\$5,797,560.00

0500 - DRAINAGE

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0290	550-1180	875.00	LF	\$34.83601	STM DR PIPE 18,H 1-10	\$30,481.51
0295	550-4218	19.00	EA	\$580.38176	FLARED END SECT 18 IN, ST DR	\$11,027.25
0300	668-2100	5.00	EA	\$2,293.69163	DROP INLET, GP 1	\$11,468.46
0385	500-3200	32.00	CY	\$609.52576	CL B CONC	\$19,504.82

LINE NUMBER	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
DRAINAGE Total						\$72,482.04

TOTALS FOR JOB 0009861 ALT4

ITEMS COST:	\$10,990,906.58
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$10,990,906.58
CONTINGENCY PERCENT:	0.00%
ENGINEERING AND INSPECTION:	5.00%
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$11,540,451.91

File Location: Div of Preconstruction > CES

CONFIDENTIALITY NOTICE: This document may contain confidential and/or privileged information. Any unauthorized duplication, disclosure,

distribution/retransmission of taking of any action in reliance upon the material in this document is strictly forbidden.

NOTICE OF LOCATION AND DESIGN APPROVAL

Bibb County
P.I. No. 0009861

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: January 9, 2017 (Date to be inserted by the State Design Policy Engineer or his designee after approval by the Chief Engineer.)

The proposed project will replace the existing southbound and northbound bridges (8 total) over Rocky Creek, Tobesofkee Creek, and their respective overflows along SR 11/SR 49/US 41/US 129 between the intersection of Houston Road on the south and the diverge of US 41/US 129 on the north in northern Bibb County. The existing roadway consists of six lanes and a depressed grass median (32-foot typical width). All the bridges have been in place for 70 to 90 years and portions were widened approximately 30 years ago. Hydraulic studies, bridge sufficiency ratings, age and impact to the public all play a significant role into why replacing the bridges is the best feasible option at this time. The proposed bridges will consist of three 12-foot lanes in each direction (6 lanes total) with an 8 foot outside shoulder and 4-foot inside shoulder.

This project lies within Land District 4 and encompasses Land Lots 196, 197, and 198.

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:

Kraig Collins
GDOT District 3, Area 4 Engineer
krcollins@dot.ga.gov
4499 Riverside Drive
Macon, GA 31210
Telephone (478) 733-4345

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 Administrator
Attn: Derrick D. Cameron, Senior Project Manager
dccameron@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
Telephone (404) 444-1776

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