

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #222170-  
EDS00-0545-00(032)  
Jefferson County  
GDOT District 2 - Tennille  
SR 4/US 1 from  
CR 138/Mennonite Church Road to  
SR 88/Fall-Line Freeway  
Widening & Improvements

**OFFICE** Design Policy & Support

**DATE** 4/12/2016

**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:**

Hiral Patel, 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  
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  
Richard Cobb, Location Bureau Chief  
Jimmy Smith, District Engineer  
Todd Price for District Preconstruction Engineer  
Gazell "Cissy" McNure, District Planning & Programming Engineer  
Terrell McMillan, Area Engineer - D2, A3  
Daniel Chastain, Project Manager  
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE  
LOCATION AND DESIGN REPORT**

**FILE** P.I. 222170-  
EDS-0545-00(032)  
Jefferson  
SR4/US1 From CR138 North  
To SR88/Fall Line Freeway

**OFFICE** Office of Program Delivery

**DATE** 3/18/2016

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

*Albert Shelby*

**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 approved concept for PI#222170 in Jefferson County is proposed to widen and reconstruct US 1/SR 4 from CR 138/Mennonite Church Rd to SR88. The project would begin at CR138/Mennonite Church Rd and would proceed north with widening on the east side consisting of 4 lanes with a 44 ft. median. East side widening would continue north approximately 800 ft., then proceed on new location west of existing US1/SR4. The alignment would intersect CR126/Lake Williams Rd. approximately 700 ft. west of existing US1/SR4 and return to east side widening on the existing roadway just north of CR127/Nelson Rd. East side widening would continue to just north of Big Creek, shift to west side widening, and continue north, to just south of CR329/Campground Rd. The existing bridge at Big Creek will be replaced with a 38 ft wide bridge and a parallel 38 ft bridge will be constructed. Widening would then shift to the east side and proceed north to approximately 0.2 miles south of the southern intersection of CR129/Hoyt Braswell Rd. Continuing north, the proposed median would taper to minimize displacements and east side widening would continue to approximately 0.3 miles north of the southern intersection of CR129/Hoyt Braswell Rd. At this point, the typical section would be 4 lanes with a 14-ft. flush median and widening would transition to symmetrical widening. Symmetrical widening would continue north to the project's end at SR88 in Wrens. Existing right-of-way along US1/SR4 varies from 139 ft. to 140 ft. The proposed right-of-way would vary from 131 ft. to 250 ft. for the length of the project. The speed design would vary from 45 mph to 65 mph, and access would be by permit. The project length would be approximately 6.5 miles.

**Concept Approval Date:** Approved 12/7/98; Revised 10/10/01; Revised 9/26/07

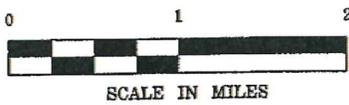
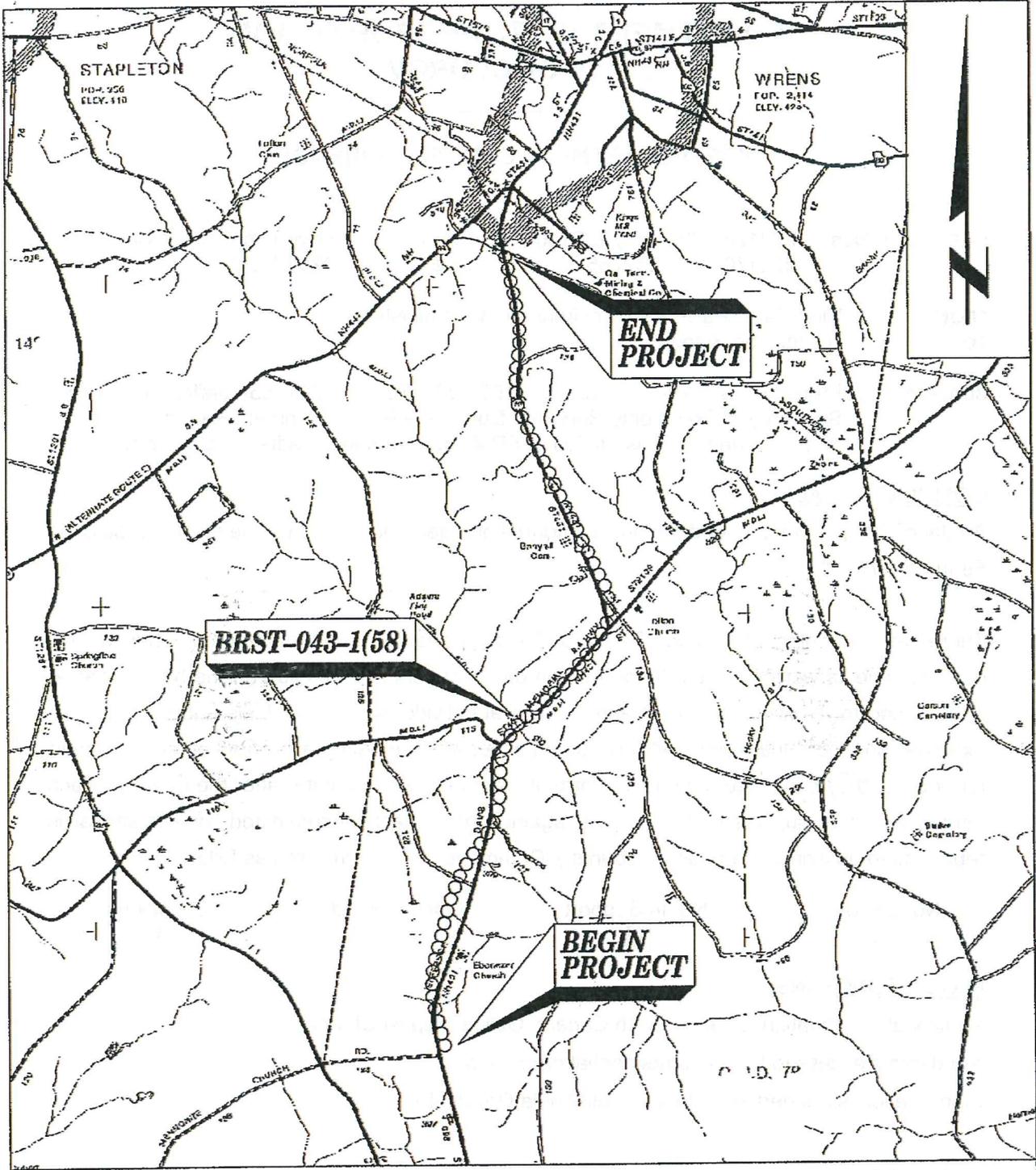
**Concept Update:** Rename CR 127/ Turner Brown Rd as CR 127/ Nelson Rd. Replacement of the Big Creek bridge and the new parallel structure will be constructed under 222170-. Rural shoulder will be utilized instead of curb and gutter for the last 0.2 miles of the project. Project length is 6.5 miles.

**Environmental Document:**

Document Type: Document Type GEPA Type B

Approval Date: Pending





LOCATION

STRIP MAP  
 EDS-545(32)  
 US 1/2R 4 IMPROVEMENTS  
 JEFFERSON COUNTY  
 P.I.# 222170

SOURCE: GENERAL HIGHWAY MAP, JEFFERSON CO., GEORGIA  
 PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1994

8/2007

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P. I. Nos. 222120-, 222150-, 222160-, 222170-, and 232265-      **OFFICE:** Environmental Services  
**DATE:** 02/25/2015

**FROM:** Hiral Patel, P.E., State Environmental Administrator  
**TO:** Distribution Below

**SUBJECT:** Project PI 222120-, 222150-, 222160-, 222170-, and 232265-, Jefferson County  
Summary of Comments Received During the Public Comment Period –  
Widening and Reconstruction of SR 4/US 1 from the Wadley Bypass to SR 88

COMMENT TOTALS:

A total of 120 people attended the public information open house held for the subject project on February 17, 2015.

There were 23 comment forms, 17 letters, 9 emails and 12 verbal statements received. No other comments were received during the ten-day comment period following the public hearing open house for a total of 61 comments. (Several individuals made multiple submissions. For example, one individual submitted a comment sheet at the meeting and comments to the court reporter, or they submitted a comment form at the meeting and a letter after the meeting. Each person's vote in support of the project, against the project, uncommitted, or conditional is represented only once in the below counts.) Comments are summarized as follows:

No. Opposed	No. In Support	Uncommitted	Conditional
<u>3</u>	<u>15</u>	<u>1</u>	<u>32</u>

MAJOR CONCERNS:

Additional coordination is needed with Canaan Galilee Baptist Church  
Need direct access to farm and residential properties  
Signalization is needed at Walnut Street/Middle Ground Road

OFFICIALS:

No. officials attended the meeting: Nine

MEDIA:

The News and Farmer and Wadley Herald / The Jefferson Reporter

DISPOSITION OF COMMENTS:

Kimley-Horn and Associates, Inc. will respond to all comments on behalf of the Department of Transportation. The GDOT offices below are asked to review the responses attached by the consultant for the comments in their section. The project manager will review all responses.

Attached is a complete transcript of the comments received during the comment period and a copy of the public hearing open house handout for review. **Your input on the proposed responses is required by March 20, 2015.** Please direct your comments via email to Heather Dunn (heather.dunn@kimley-horn.com) and copy Zack Adriaenssens (ZAdriaenssens@dot.ga.gov), of this office.

If you have any questions about the comments, please either email or call Zack Adriaenssens at (404) 631-1650.

HP/hmd

Attachments

DISTRIBUTION:

Design  
ROW  
Planning  
Traffic Operations  
Environmental

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P.I. No. 222170 **OFFICE** Program Delivery

**PROJECT DESCRIPTION**

SR 4/US 1 From CR 138 North To SR 88/Fall Line Freeway

**DATE** November 13, 2015

**From:** Albert V. Shelby III, State Program Delivery Engineer

**To:** Lisa L. Myers, State Project Review Engineer

**Subject:** REVISIONS TO PROGRAMMED COSTS

**PROJECT MANAGER** Daniel Chastain

**MGMT LET DATE** 7/15/2018

**MGMT ROW DATE** 4/15/2016

**PROGRAMMED COSTS (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$ 25,061,997.81

DATE 11/12/2014

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$ 22,736,057.05

RIGHT OF WAY \$

UTILITIES \$

\*Cost Contains 10 % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

The reason for the decrease in price is plans have been updated for PFPR. A 10% contingency has been added because the project is a widening project that is 7 miles long and some of the pay items are still lumped together.

## CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	18,551,345.89	Base Estimate From CES
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	927,567.29	Base Estimate (A) x <span style="border: 1px solid black; padding: 2px 10px;">5</span> %
<b>C. CONTINGENCY:</b>	\$	1,947,891.32	Base Estimate (A) + E & I (B) x <span style="border: 1px solid black; padding: 2px 10px;">10</span> %  <a href="#">See % Table in "Risk Based Cost Estimation" Memo</a>
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	1,309,252.55	Total From Liquid AC Spreadsheet
<b>E. CONSTRUCTION TOTAL:</b>	\$	22,736,057.05	(A + B + C + D = E)

### REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

**ATTACHMENTS:**

Detailed Cost Estimate Printout From TRAQS Liquid AC Adjustment Spreadsheet
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# DETAILED COST ESTIMATE



**Job: 222170**

JOB NUMBER 222170

FED/STATE PROJECT NUMBER EDS-0054500(32)

SPEC YEAR: 13

DESCRIPTION: WIDENING AND RECONSTRUCTION OF US 1/SR 4  
NORTH OF CR 138 TO SR 88

ITEMS FOR JOB 222170

**001 - ROADWAY ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	310-1101	156683.000	TN	\$15.68598	GR AGGR BASE CRS, INCL MATL	\$2,457,726.40
0020	402-3113	26322.000	TN	\$76.67992	RECYL AC 12.5MM SP,GP1/2,BM&HL	\$2,018,368.85
0015	402-3121	46596.000	TN	\$63.10123	RECYL AC 25MM SP,GP1/2,BM&HL	\$2,940,264.91
0025	402-3190	28457.000	TN	\$64.80982	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$1,844,293.05
0029	441-0016	365.000	SY	\$37.88336	DRIVEWAY CONCRETE, 6 IN TK	\$13,827.43
<b>SUBTOTAL FOR ROADWAY ITEMS:</b>						<b>\$9,274,480.64</b>

**002 - DRAINAGE ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0040	500-3101	202.000	CY	\$503.11002	CLASS A CONCRETE	\$101,628.22
0045	511-1000	10645.000	LB	\$1.08123	BAR REINF STEEL	\$11,509.69
0055	550-1180	8147.000	LF	\$31.34088	STM DR PIPE 18,H 1-10	\$255,334.15
0060	550-1240	1144.000	LF	\$42.61239	STM DR PIPE 24,H 1-10	\$48,748.57
0065	550-1300	834.000	LF	\$55.47775	STM DR PIPE 30,H 1-10	\$46,268.44
0070	550-1360	771.000	LF	\$58.81519	STM DR PIPE 36,H 1-10	\$45,346.51
0075	550-1420	175.000	LF	\$81.52318	STM DR PIPE 42,H 1-10	\$14,266.56
0080	550-4218	12.000	EA	\$575.85102	FLARED END SECT 18 IN, ST DR	\$6,910.21
0085	550-4224	18.000	EA	\$689.72358	FLARED END SECT 24 IN, ST DR	\$12,415.02
0090	550-4230	13.000	EA	\$803.47561	FLARED END SECT 30 IN, ST DR	\$10,445.18
0095	550-4236	10.000	EA	\$1,107.72890	FLARED END SECT 36 IN, ST DR	\$11,077.29
0100	550-4242	2.000	EA	\$1,433.74125	FLARED END SECT 42 IN, ST DR	\$2,867.48
0165	668-2100	90.000	EA	\$1,838.36406	DROP INLET, GP 1	\$165,452.77
<b>SUBTOTAL FOR DRAINAGE ITEMS:</b>						<b>\$732,270.09</b>

**003 - SIGNING AND MARKING ITEMS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0170	150-1000	1.000	LS	\$1,500,000.00000	TRAFFIC CONTROL - LUMP SUM	\$1,500,000.00
0175	653-1501	70270.000	LF	\$0.28162	THERMO SOLID TRAF ST 5 IN, WHI	\$19,789.44
0180	653-1502	74424.000	LF	\$0.32486	THERMO SOLID TRAF ST, 5 IN YEL	\$24,177.38
0185	653-1704	184.000	LF	\$6.35054	THERM SOLID TRAF STRIPE,24,WH	\$1,168.50
0190	653-3501	70262.000	GLF	\$0.17846	THERMO SKIP TRAF ST, 5 IN, WHI	\$12,538.96
0195	653-3502	10334.000	GLF	\$0.24224	THERMO SKIP TRAF ST, 5 IN, YEL	\$2,503.31
0200	653-6004	11607.000	SY	\$2.66882	THERM TRAF STRIPING, WHITE	\$30,976.99
0220	657-5017	88.000	EA	\$600.13546	PRF PL PVT MKG,ARW TP2,WH,TPPB	\$52,811.92
0225	657-5020	60.000	EA	\$500.00000	PRF PL PVT MKG,ARW TP7,WH,TPPB	\$30,000.00
<b>SUBTOTAL FOR SIGNING AND MARKING ITEMS:</b>						<b>\$1,673,966.50</b>

# DETAILED COST ESTIMATE



**Job: 222170**

**004 - EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0230	163-0001	1.000	LS	\$400,000.00000	EROSION CONTROL, NON-REFUNDABLE DEDUCT	\$400,000.00
0235	201-1500	1.000	LS	\$500,000.00000	CLEARING & GRUBBING - LUMP SUM	\$500,000.00
0240	210-0100	1.000	LS	\$1,750,000.00000	GRADING COMPLETE - LUMP SUM	\$1,750,000.00
0245	700-6910	1.000	AC	\$50,000.00000	PERMANENT GRASSING	\$50,000.00
<b>SUBTOTAL FOR EROSION CONTROL:</b>						<b>\$2,700,000.00</b>

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0028	433-1000	496.000	SY	\$165.31197	REINF CONC APPROACH SLAB	\$81,994.74
0030	444-1000	58.000	LF	\$4.99162	SAWED JTS IN EXIST PVMTS - PCC	\$289.51
0035	500-3200	488.000	CY	\$291.79886	CL B CONC	\$142,397.84
0049	540-1102	1.000	LS	\$500,000.00000	REM OF EX BR, BR NO - REM BRDG OVER BIG CREEK	\$500,000.00
0050	540-1102	1.000	LS	\$3,300,000.00000	REM OF EX BR, BR NO - BRDG OVER BIG CREEK	\$3,300,000.00
0105	634-1200	201.000	EA	\$97.32333	RIGHT OF WAY MARKERS	\$19,561.99
0110	635-1000	30.000	LF	\$67.47913	BARRICADES	\$2,024.37
0115	636-1033	227.000	SF	\$16.58520	HWY SIGNS, TP1MAT,REFL SH TP 9	\$3,764.84
0120	636-1036	590.000	SF	\$21.00000	HWY SGN,TP1MAT,REFL SH TP 11	\$12,390.00
0125	636-1041	36.000	SF	\$35.74522	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$1,286.83
0130	636-2070	1499.000	LF	\$5.24368	GALV STEEL POSTS, TP 7	\$7,860.28
0135	636-2080	229.000	LF	\$8.75332	GALV STEEL POSTS, TP 8	\$2,004.51
0140	636-3010	2.000	EA	\$438.84005	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$877.68
0145	641-1100	50.000	LF	\$69.35382	GUARDRAIL, TP T	\$3,467.69
0150	641-1200	4350.000	LF	\$15.86955	GUARDRAIL, TP W	\$69,032.54
0155	641-5001	6.000	EA	\$797.57441	GUARDRAIL ANCHORAGE, TP 1	\$4,785.45
0160	641-5012	6.000	EA	\$1,928.01176	GUARDRAIL ANCHORAGE, TP 12	\$11,568.07
0205	653-6006	495.000	SY	\$3.31594	THERM TRAF STRIPING, YELLOW	\$1,641.39
0210	654-1001	931.000	EA	\$3.02136	RAISED PVMT MARKERS TP 1	\$2,812.89
0215	654-1003	961.000	EA	\$2.98443	RAISED PVMT MARKERS TP 3	\$2,868.04
<b>SUBTOTAL FOR :</b>						<b>\$4,170,628.66</b>

**TOTALS FOR JOB 222170**

<b>ITEMS COST:</b>	<b>\$18,551,345.89</b>
<b>COST GROUP COST:</b>	<b>\$0.00</b>
<b>ESTIMATED COST:</b>	<b>\$18,551,345.89</b>
<b>CONTINGENCY PERCENT:</b>	<b>0.00</b>
<b>ENGINEERING AND INSPECTION:</b>	<b>0.00</b>
<b>ESTIMATED COST WITH CONTINGENCY AND E&amp;I:</b>	<b>\$18,551,345.89</b>

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**EDS00-0545-00(032) JEFFERSON COUNTY**  
**P. I. NO. 222170-**

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: April 12, 2016

*The project is located in GMD 81 of Jefferson County.*

*The approved concept for PI# 222170- in Jefferson County is proposed to widen and reconstruct US 1/SR 4 from CR 138/Mennonite Church Rd to SR88. The project would begin at CR138/Mennonite Church Rd and would proceed north with widening on the east side consisting of 4 lanes with a 44 ft. median. East side widening would continue north approximately 800 ft., then proceed on new location west of existing US1/SR4. The alignment would intersect CR126/Lake Williams Rd. approximately 700 ft. west of existing US1/SR4 and return to east side widening on the existing roadway just north of CR127/Nelson Rd. East side widening would continue to just north of Big Creek, shift to west side widening, and continue north, to just south of CR329/Campground Rd. The existing bridge at Big Creek will be replaced with a 38 ft wide bridge and a parallel 38 ft bridge will be constructed. Widening would then shift to the east side and proceed north to approximately 0.2 miles south of the southern intersection of CR129/Hoyt Braswell Rd. Continuing north, the proposed median would taper to minimize displacements and east side widening would continue to approximately 0.3 miles north of the southern intersection of CR129/Hoyt Braswell Rd. At this point, the typical section would be 4 lanes with a 14-ft. flush median and widening would transition to symmetrical widening. Symmetrical widening would continue north to the project's end at SR88 in Wrens. Existing right-of-way along US1/SR4 varies from 139 ft. to 140 ft. The proposed right-of-way would vary from 131 ft. to 250 ft. for the length of the project. The speed design would vary from 45 mph to 65 mph, and access would be by permit. The project length would be approximately 6.5 miles.*

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:

*Terrell McMillan, Area Engineer  
tmcmillan@dot.ga.gov  
2971 US Hwy 1 North  
Louisville, Ga 30434  
478-625-3681*

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  
Attn: Daniel Chastain  
dchastain@dot.ga.gov  
600 West Peachtree St. N.W. 25<sup>th</sup> Floor  
706-604-6594*

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.