

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #222150-
EDS00-0545-00(030)
Jefferson County
GDOT District 2 - Tennille
SR 4/US 1/Louisville Bypass from
SR 4 BU/US 1BU to CR 325 - TIA
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. 222150-
EDS-0545-00(030)
Jefferson

SR4/US1 Louisville Bypass From
SR4 BU/US1 BU to CR325-TIA

OFFICE Office of Program Delivery

DATE 3/18/2016

Albert Shelby

FROM Albert V. Shelby III, State Program Delivery Engineer

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 construction of project PI#222150 Jefferson is the widening and reconstruction of the Louisville Bypass (US 1/SR 4 & 17) from 0.3 miles north of CR 326/ Nimrod Rd to approximately Clark Mills Road for a total of 2.85 miles. The existing roadway varies from two to four lanes with rural shoulders. The proposed construction will provide two 11' lanes in each direction separated by a 14' flush median and curb and gutter for the entire project length. The additional lanes and median will be constructed symmetrically about the existing roadway making as much use of the existing pavement as possible. The southern and northern termini of this project tie to projects 222120 and 222160, respectively, in Jefferson County. Traffic will be maintained utilizing stage construction.

Concept Approval Date: Approved 12/07/98; Revised 10/10/01, Revised 5/23/03

Concept Update: Changes to the Approved Concept Report and the Revised Concept Report include adjusting the southern terminus of the project from M.P. 11.9 to M.P. 11.6 and revising the project length from 2.55 miles to 2.85 miles. The 10' rural shoulder with 6' paved and a 55 mph design speed will be maintained from the beginning of the project to Old SR 17 West. The lane width will be changed from 12' to 11'. A 16' urban shoulder including curb and gutter and a 5' sidewalk will begin at Old SR 17 and continue to the northern terminus of the project. The widening will remain symmetrical throughout the project to match the typical section for 222160- at the end of the project.

Environmental Document:

Document Type: Document Type GEPA Type B Approval Date: Pending

Public Involvement: Public Information Open House summary:

A public information open house was held on 2/17/15. A total of 120 people attended the open house. Of the 51 respondents who formally commented, 15 were in support of the project, 3 were opposed, 1 was uncommitted, and 32 expressed conditional support.

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: Heidi Pirtal
 GDOT Director of Engineering

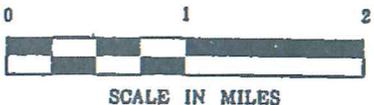
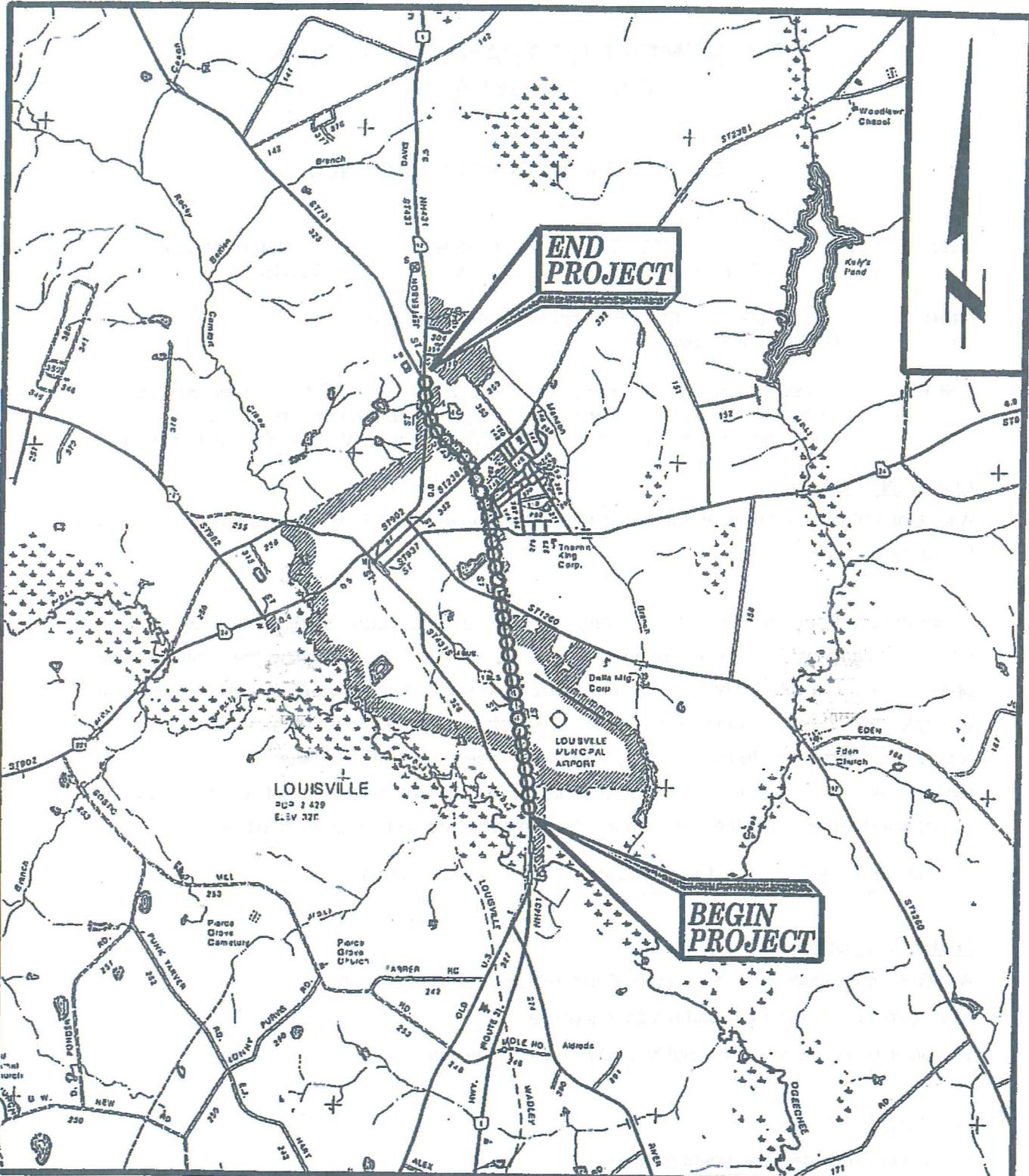
Approve: May B. Piple
 GDOT Chief Engineer

4-5-16
Date

DATE OF LOCATION AND DESIGN APPROVAL: April 12, 2016
(To be entered by State Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Public Meeting Summary Letter
- Construction Cost Estimate
- Notice of Location and Design Approval



LOCATION

STRIP MAP

EDS-545(30)
 US 1SR 4 IMPROVEMENTS
 JEFFERSON COUNTY
 P.I.# 222150

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. Nos. 222120-, 222150-, 222160-, **OFFICE:** Environmental Services
222170-, and 232265- **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

Summary of Comments

PI 222120-, 222150-, 222160-, 222170-, and 232265-, Jefferson

Page 2

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**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. **OFFICE**

PROJECT DESCRIPTION

DATE

From:

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER **MGMT LET DATE**
MGMT ROW DATE

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION	\$	<input type="text" value="13,047,492.01"/>	DATE	<input type="text" value="11/12/2014"/>
RIGHT OF WAY	\$	<input type="text" value="2,926,000.00"/>	DATE	<input type="text" value="11/12/2014"/>
UTILITIES	\$	<input type="text"/>	DATE	<input type="text"/>

REVISED COST ESTIMATES

CONSTRUCTION*	\$	<input type="text" value="9,966,704.99"/>
RIGHT OF WAY	\$	<input type="text" value="2,926,000.00"/>
UTILITIES	\$	<input type="text"/>

*Cost Contains % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	8,136,443.55	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	406,822.18	Base Estimate (A) x 5 %
C. CONTINGENCY:	\$	854,326.57	Base Estimate (A) + E & I (B) x 10 % See % Table in "Risk Based Cost Estimation" Memo
D. TOTAL LIQUID AC ADJUSTMENT:	\$	569,112.69	Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	9,966,704.99	(A + B + C + D = E)

REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

- Detailed Cost Estimate Printout From TRAQS
- Liquid AC Adjustment Spreadsheet
- ROW Provided Cost Est

DETAILED COST ESTIMATE



Job: 222150

JOB NUMBER 222150

FED/STATE PROJECT NUMBER EDS00-0545-00(030)

SPEC YEAR: 13

DESCRIPTION: WIDENING AND RECONSTRUCTION OF THE LOUISVILLE BYPASS

ITEMS FOR JOB 222150

001 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	310-1101	50853.000	TN	\$17.33157	GR AGGR BASE CRS, INCL MATL	\$881,362.33
0010	402-3113	12287.000	TN	\$76.67992	RECYL AC 12.5MM SP,GP1/2,BM&HL	\$942,166.18
0015	402-3121	23351.000	TN	\$65.96201	RECYL AC 25MM SP,GP1/2,BM&HL	\$1,540,278.90
0020	402-3190	9055.000	TN	\$70.79952	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$641,089.65
0022	441-0016	606.000	SY	\$36.87903	DRIVEWAY CONCRETE, 6 IN TK	\$22,348.69
0023	441-0104	9385.000	SY	\$26.27210	CONC SIDEWALK, 4 IN	\$246,563.66
0034	441-0740	342.000	SY	\$29.70569	CONC MEDIAN, 4 IN	\$10,159.35
0039	441-4020	911.000	SY	\$36.05901	CONC VALLEY GUTTER, 6 IN	\$32,849.76
0029	441-6022	21107.000	LF	\$10.87199	CONC CURB & GUTTER, 6X30TP2	\$229,475.09
0049	634-1200	35.000	EA	\$104.43998	RIGHT OF WAY MARKERS	\$3,655.40
0054	641-1200	3812.500	LF	\$16.00420	GUARDRAIL, TP W	\$61,016.01
0064	641-5001	7.000	EA	\$795.25987	GUARDRAIL ANCHORAGE, TP 1	\$5,566.82
0069	641-5012	7.000	EA	\$1,928.01176	GUARDRAIL ANCHORAGE, TP 12	\$13,496.08
SUBTOTAL FOR ROADWAY ITEMS:						\$4,630,027.92

002 - DRAINAGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0059	500-3101	49.250	CY	\$503.11002	CLASS A CONCRETE	\$24,778.17
0074	511-1000	3504.000	LB	\$1.21215	BAR REINF STEEL	\$4,247.37
0079	550-1180	8135.000	LF	\$31.34425	STM DR PIPE 18,H 1-10	\$254,985.47
0084	550-1240	2246.000	LF	\$40.61883	STM DR PIPE 24,H 1-10	\$91,229.89
0089	550-1300	2510.000	LF	\$52.35846	STM DR PIPE 30,H 1-10	\$131,419.73
0094	550-1360	2289.000	LF	\$52.88733	STM DR PIPE 36,H 1-10	\$121,059.10
0099	550-1420	20.000	LF	\$93.84768	STM DR PIPE 42,H 1-10	\$1,876.95
0129	550-4142	1.000	EA		FLARED END SECT 42 IN, SIDE DR	
0109	550-4218	5.000	EA	\$581.42219	FLARED END SECT 18 IN, ST DR	\$2,907.11
0124	550-4236	3.000	EA	\$1,107.72890	FLARED END SECT 36 IN, ST DR	\$3,323.19
0154	603-2181	540.000	SY	\$50.09400	STN DUMPED RIP RAP, TP 3, 18	\$27,050.76
0159	603-7000	0.000	SY		PLASTIC FILTER FABRIC	
0134	668-1100	98.000	EA	\$2,177.22934	CATCH BASIN, GP 1	\$213,368.48
0139	668-2100	46.000	EA	\$1,789.12894	DROP INLET, GP 1	\$82,299.93
0149	668-5000	0.000	EA		JUNCTION BOX	
SUBTOTAL FOR DRAINAGE ITEMS:						\$958,546.15

003 - SIGNING AND MARKING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0238	150-1000	1.000	LS	\$500,000.00000	TRAFFIC CONTROL - LUMP SUM	\$500,000.00
SUBTOTAL FOR SIGNING AND MARKING ITEMS:						\$500,000.00

DETAILED COST ESTIMATE



Job: 222150

004 - EROSION ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0243	163-0001	1.000	LS	\$400,000.00000	EROSION CONTROL, NON-REFUNDABLE DEDUCT	\$400,000.00
0248	201-1500	1.000	LS	\$300,000.00000	CLEARING & GRUBBING - LUMP SUM	\$300,000.00
0253	210-0100	1.000	LS	\$900,000.00000	GRADING COMPLETE - LUMP SUM	\$900,000.00
0271	700-6910	27.510	AC	\$883.92857	PERMANENT GRASSING	\$24,316.87
SUBTOTAL FOR EROSION ITEMS:						\$1,624,316.87

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0255	163-0232	14.000	AC	\$446.64089	TEMPORARY GRASSING	\$6,252.97
0254	163-0240	528.000	TN	\$149.21983	MULCH	\$78,788.07
0024	441-0108	818.000	SY	\$42.59749	CONC SIDEWALK, 8 IN	\$34,844.75
0043	441-4030	92.000	SY	\$48.48299	CONC VALLEY GUTTER, 8 IN	\$4,460.44
0044	444-1000	132.000	LF	\$4.52538	SAWED JTS IN EXIST PVMTS - PCC	\$597.35
0063	500-3200	305.000	CY	\$313.87010	CL B CONC	\$95,730.38
0103	550-2180	885.000	LF	\$26.20984	SIDE DR PIPE 18,H 1-10	\$23,195.71
0104	550-3318	34.000	EA	\$591.33086	SAFETY END SECTION 18,STD,4:1	\$20,105.25
0114	550-4224	3.000	EA	\$708.35330	FLARED END SECT 24 IN, ST DR	\$2,125.06
0119	550-4230	1.000	EA	\$883.21676	FLARED END SECT 30 IN, ST DR	\$883.22
0162	636-1033	667.000	SF	\$15.56716	HWY SIGNS, TP1MAT,REFL SH TP 9	\$10,383.30
0163	636-1041	150.500	SF	\$35.74522	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$5,379.66
0167	636-1045	26.000	SF		HWY SGN,TP2,REFL SH TP 11	
0168	636-2070	1831.000	LF	\$5.14233	GALV STEEL POSTS, TP 7	\$9,415.61
0172	636-2080	756.000	LF	\$8.59556	GALV STEEL POSTS, TP 8	\$6,498.24
0173	636-3010	4.000	EA	\$479.44622	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$1,917.78
0178	653-0120	157.000	EA	\$67.20605	THERM PVMT MARK, ARROW, TP 2	\$10,551.35
0183	653-0130	1.000	EA	\$96.12362	THERM PVMT MARK, ARROW, TP 3	\$96.12
0198	653-1501	42493.000	LF	\$0.31122	THERMO SOLID TRAF ST 5 IN, WHI	\$13,224.67
0203	653-1502	36521.000	LF	\$0.36718	THERMO SOLID TRAF ST, 5 IN YEL	\$13,409.78
0208	653-1704	456.000	LF	\$6.08470	THERM SOLID TRAF STRIPE,24,WH	\$2,774.62
0213	653-1804	7423.000	LF	\$1.95770	THERM SOLID TRAF STRIPE, 8,WH	\$14,532.01
0218	653-3501	33436.000	GLF	\$0.19179	THERMO SKIP TRAF ST, 5 IN, WHI	\$6,412.69
0223	653-3502	20991.000	GLF	\$0.22050	THERMO SKIP TRAF ST, 5 IN, YEL	\$4,628.52
0228	653-6004	969.000	SY	\$3.06669	THERM TRAF STRIPING, WHITE	\$2,971.62
0233	653-6006	414.000	SY	\$3.34982	THERM TRAF STRIPING, YELLOW	\$1,386.83
0188	654-1001	457.000	EA	\$3.31861	RAISED PVMT MARKERS TP 1	\$1,516.60
0193	654-1003	756.000	EA	\$3.02504	RAISED PVMT MARKERS TP 3	\$2,286.93
0138	668-1110	66.000	LF	\$171.38757	CATCH BASIN, GP 1, ADDL DEPTH	\$11,311.58
0142	668-2110	19.610	LF	\$213.48066	DROP INLET, GP 1, ADDL DEPTH	\$4,186.36
0143	668-4300	8.000	EA	\$1,830.28385	STORM SEW MANHOLE, TP 1	\$14,642.27
0144	668-4311	5.740	LF	\$215.67749	ST SEW MANHOLE,TP 1,A DEP,CL 1	\$1,237.99
0256	700-7000	28.000	TN	\$56.34127	AGRICULTURAL LIME	\$1,577.56
0261	700-8000	20.000	TN	\$543.97001	FERTILIZER MIXED GRADE	\$10,879.40
0270	700-8100	2751.000	LB	\$1.94399	FERTILIZER NITROGEN CONTENT	\$5,347.92
SUBTOTAL FOR :						\$423,552.61

TOTALS FOR JOB 222150

DETAILED COST ESTIMATE



Job: 222150

ITEMS COST:	\$8,136,443.55
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$8,136,443.55
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$8,136,443.55

NOTICE OF LOCATION AND DESIGN APPROVAL
EDS00-0545-00(030) JEFFERSON COUNTY
P. I. NO. 222150-

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 82 of Jefferson County.

The proposed construction of project PI# 222150- Jefferson is the widening and reconstruction of the Louisville Bypass (US 1/SR 4 & 17) from 0.3 miles north of CR 326/ Nimrod Rd to approximately Clark Mills Road for a total of 2.85 miles. The existing roadway varies from two to four lanes with rural shoulders. The proposed construction will provide two 11' lanes in each direction separated by a 14' flush median and curb and gutter for the entire project length. The additional lanes and median will be constructed symmetrically about the existing roadway making as much use of the existing pavement as possible. The southern and northern termini of this project tie to projects 222120- and 222160-, respectively, in Jefferson County. Traffic will be maintained utilizing stage construction.

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. 25th 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.