

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0007350 **OFFICE** Design Policy & Support
CSSTP-0007-00(350)
Jackson County
GDOT District 1 - Gainesville **DATE** January 30, 2013
SR 15/US 441 Traffic Signal Upgrades

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Attn: David Acree, Design Group Manager
Tamaya Huff, State Pedestrian and Bicycle Coordinator
Bayne Smith, District Engineer
Brent Cook, District Preconstruction Engineer
Neil Kantner, District Utilities Engineer
Sue Anne Decker, Project Manager
BOARD MEMBER - 9th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

Project Type: <u>Traffic Signal Upgrade</u>	P.I. Number: <u>0007350</u>
GDOT District: <u>2</u>	County: <u>Jackson</u>
Federal Route Number: <u>129, 441</u>	State Route Number: <u>11 BUS, 15, 59, 98, 344</u>
Project Number: <u>CSSTP-0007-00(350)</u>	

SR 11 BUS @ Old Pendergrass Rd is being removed from this project to avoid adverse impact to historic trees

Submitted for approval: (email to "Concept Reports"; delete any inapplicable signature lines)

Beneth Rice - J/pt 12/20/2012
Office Head (GDOT Project Manager's Office) DATE

Sue Anne Decker 12/19/2012
GDOT Project Manager DATE

Recommendation for approval:

GLENN BOWMAN*/EKP 1/1/2013
State Environmental Administrator (recommendation required) DATE

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

CINDY KANDYKE*/EKP 1/2/2013
State Transportation Planning Administrator (recommendation required) DATE

** - RECOMMENDATION ON FILE*

VE Study anticipated: No Yes Completed – Date:

If VE Study has been completed, attach VE Implementation letter.

PROPOSED REVISIONS

Approved Features:	Proposed Features:
Install pedestrian accommodations and upgrade existing traffic signal equipment at 4 intersections: SR 15 @ SR 334 SR 15 @ 59 SR 15 @ 98 SR 11 Bus @ Old Pendergrass Rd	Remove SR 11 BUS @ Old Pendergrass Rd from the project.* * - SEE COMMENTS SECTION (PAGE 8)
<p>Reason(s) for change: There are 3 historic trees in the northwest corner of SR 11 BUS @ Old Pendergrass Rd. Several attempts were made to re-design the traffic signal to avoid impacting the roots of the trees. Even after these attempts, it was determined that the impacts to the trees were enough to kill them, and the Arborist recommended removing them as part of this project. However, the removal of the tree would result in an adverse impact to a historical resource and likely require a Section 4f document. This document will add cost and time to the project. To avoid these impacts to the trees and the project, it was recommended that this intersection be removed.</p>	

ENVIRONMENTAL

Project Air Quality:

- Is the project located in a PM 2.5 Non-attainment area? No Yes
- Is the project located in an Ozone Non-attainment area? No Yes
- Is a Carbon Monoxide hotspot analysis required? No Yes

Potential environmental impacts of proposed revision: The potential impacts to the environment will be lessened by the removal of SR 11 Bus @ Old Pendergrass Rd from the project. Our best efforts to minimize the impacts of the design at this intersection were not enough to keep from fatally impacting the trees. There are no environmental commitments or impacts at the other intersections in this project.

Have proposed revisions been reviewed by environmental staff? No Yes

Environmental responsibilities (Studies/Documents/Permits): GDOT

PROJECT COST & ADDITIONAL INFORMATION

Updated Cost Estimate		Date of Estimate
Base Construction Cost:	\$556,168.68	12/13/2012
Engineering and Inspection:	\$27,808.43	
Liquid AC Adjustment:	\$0.00	
Total Construction Cost:	\$583,977.11	
Right-of-Way:	\$80,000.00 (Authorized)	4/23/2012
Utilities (reimbursable costs):	\$20,000.00	10/25/2012
Environmental Mitigation:	NA	
TOTAL PROJECT COST:	\$683,997.11	

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments: Add comments/notes as appropriate. *AS PER THE PROJECT MANAGER - THE OFFICE OF TRAFFIC OPERATIONS PLANS TO PROGRAM A NEW PROJECT FOR THE*

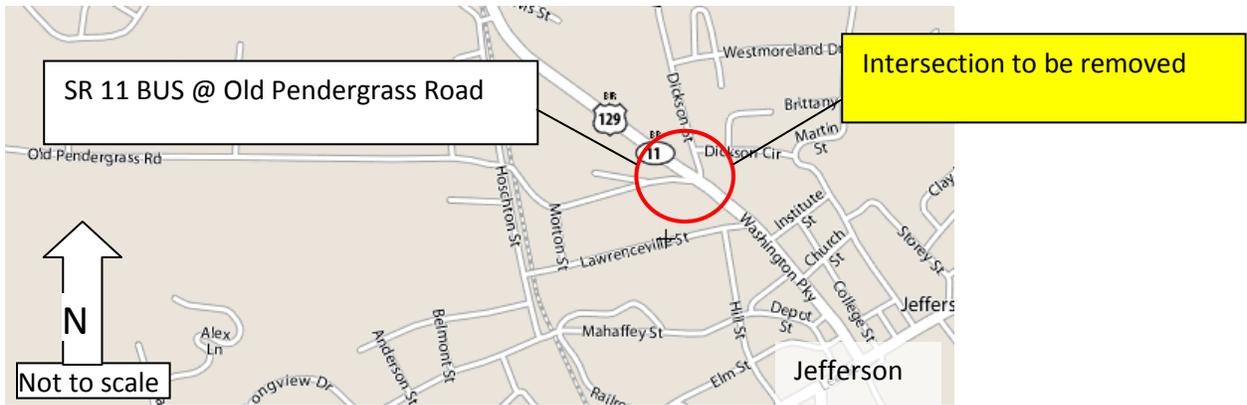
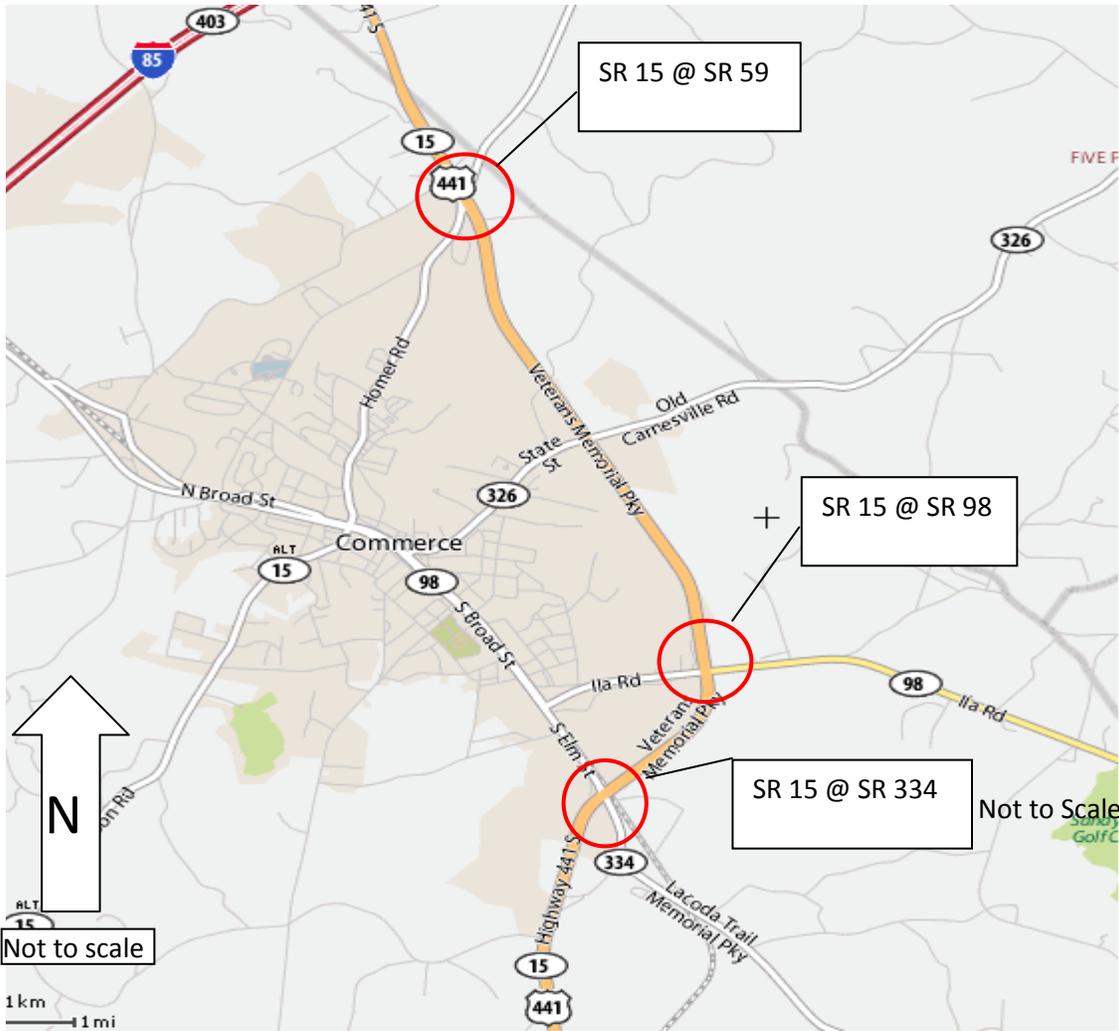
- Attachments:** *SR11 BUS @ OLD PENDERGROSS ROAD INTERSECTION*
1. Sketch map
 2. Cost Estimate(s)
 3. An email sent to all team members confirming the TMC's decision to remove the intersection

APPROVALS

Concur: _____
 Director of Engineering

Approve: *Bill R. McMillan*
 Chief Engineer

1/25/13
 Date



DETAILED COST ESTIMATE



Job: 0007350

JOB NUMBER 0007350

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 15 @ 3 LOCS & SR 11BU @ 1 LOC
TRAFFIC SIGNAL UPGRADE

ITEMS FOR JOB 0007350

0001 - TRAFFIC SIGNALS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0025	163-0232	1.000	AC	\$415.86319	TEMPORARY GRASSING	\$415.86
0226	615-1200	552.000	LF	\$14.18550	DIRECTIONAL BORE - 3 INCH	\$7,830.40
0230	639-4004	8.000	EA	\$5,848.96133	STRAIN POLE, TP IV	\$46,791.69
0070	647-1000	1.000	LS	\$77,400.00000	TRAF SIGNAL INSTALLATION NO - 1	\$77,400.00
0075	647-1000	1.000	LS	\$80,000.00000	TRAF SIGNAL INSTALLATION NO - 2	\$80,000.00
0080	647-1000	1.000	LS	\$86,900.00000	TRAF SIGNAL INSTALLATION NO - 3	\$86,900.00
0224	937-6100	1.000	EA		OUTPUT EXPANSION MODULE, TP A	
0225	937-6150	1.000	EA		PROGRAMMING MONITOR, TP A	
0205	938-1100	2.000	EA	\$4,873.34000	INT VIDEO DET SYS ASMBLY, TP A	\$9,746.68
0215	938-8000	1.000	LS	\$6,000.00000	TESTING	\$6,000.00
SUBTOTAL FOR TRAFFIC SIGNALS:						\$315,084.63

0002 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0022	441-0748	735.000	SY	\$52.05198	CONC MEDIAN, 6 IN	\$38,258.21
0115	636-1020	36.000	SF	\$13.90920	HWY SGN,TP1MAT,REFL SH TP3	\$500.73
0120	636-1033	46.000	SF	\$18.42000	HWY SIGNS, TP1MAT,REFL SH TP 9	\$847.32
0119	636-1041	234.000	SF	\$39.26056	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$9,186.97
0125	636-2070	219.000	LF	\$8.84007	GALV STEEL POSTS, TP 7	\$1,935.98
0090	652-5451	1500.000	LF	\$0.11950	SOLID TRAF STRIPE, 5 IN, WHITE	\$179.25
0129	652-5452	2000.000	LF	\$0.16161	SOLID TRAF STRIPE, 5 IN, YELLO	\$323.22
0135	652-5701	252.000	LF	\$2.18805	SOLID TRAF STRIPE, 24", WHITE	\$551.39
0140	652-5801	4181.000	LF	\$1.16329	SOLID TRAF STRIPE, 8 IN, WHITE	\$4,863.72
0130	652-6501	400.000	GLF	\$0.11150	SKIP TRAF STRIPE, 5 IN, WHITE	\$44.60
0175	653-0120	44.000	EA	\$75.87816	THERM PVMT MARK, ARROW, TP 2	\$3,338.64
0155	653-0130	3.000	EA	\$97.49687	THERM PVMT MARK, ARROW, TP 3	\$292.49
0145	653-6004	2048.000	SY	\$3.37814	THERM TRAF STRIPING, WHITE	\$6,918.43
0165	653-6006	355.000	SY	\$3.68645	THERM TRAF STRIPING, YELLOW	\$1,308.69
0174	654-1001	46.000	EA	\$4.76835	RAISED PVMT MARKERS TP 1	\$219.34
0228	656-0050	300.000	LF	\$0.53328	REM EX SLD TRF STRIPE, 5",THER	\$159.98
0229	656-0240	276.000	LF	\$5.27123	REM EX SLD TRF STRIPE,24",THER	\$1,454.86
0227	656-4001	845.000	SY	\$8.69379	REM EXIST TRAF MARKING, THERM	\$7,346.25
SUBTOTAL FOR SIGNING AND MARKING:						\$77,730.07

0003 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0065	150-1000	1.000	LS	\$150,000.00000	TRAFFIC CONTROL - CSSTP-0007-00(350)	\$150,000.00
0185	441-0108	100.000	SY	\$72.11304	CONC SIDEWALK, 8 IN	\$7,211.30
0180	654-1003	36.000	EA	\$4.98895	RAISED PVMT MARKERS TP 3	\$179.60
SUBTOTAL FOR ROADWAY:						\$157,390.90

0004 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0160	163-0240	10.000	TN	\$300.42897	MULCH	\$3,004.29
0024	165-0010	280.000	LF	\$0.85907	MAINT OF TEMP SILT FENCE, TP A	\$240.54
0023	171-0010	560.000	LF	\$1.67612	TEMPORARY SILT FENCE, TYPE A	\$938.63
0035	700-6910	1.000	AC	\$417.95828	PERMANENT GRASSING	\$417.96
0040	700-7000	3.000	TN	\$72.37080	AGRICULTURAL LIME	\$217.11
0045	700-8000	2.000	TN	\$340.59542	FERTILIZER MIXED GRADE	\$681.19
0050	700-8100	50.000	LB	\$2.23135	FERTILIZER NITROGEN CONTENT	\$111.57
0110	713-3011	1900.000	SY	\$0.18515	WOOD FIBER BLANKET, TP I, SHOULDERS	\$351.79
SUBTOTAL FOR EROSION CONTROL:						\$5,963.08

DETAILED COST ESTIMATE



Job: 0007350

COST GROUP FOR JOB 0007350

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	LM	NORM			CRTS	COUNTY ROAD TRAFFIC STRIPE	
00000002	SY	NORM			EROC	EROSION CONTROL (SY)	
00000003	EA	NORM			RPMK	RAISED PAVEMENT MARKING	
00000004	LS	NORM			TRFT	TRAFFIC CONTROL-TEMPORARY (LS)	
00000005	LS	NORM			SGNL	TRAFFIC SIGNALS (LS)	
00000006	EA	NORM			SSGN	SMALL ROADSIDE SIGNS	
00000007	LM	NORM			SRTS	STATE ROUTE TRAFFIC STRIPE	
00000008	SY	NORM			THSY	THERMO PLASTIC MARKING SQUARE YARDS	
00000009	EA	NORM			SSYM	SMALL SYMBOL PAVEMENT MARKING	
00000010	TN	NORM			CONC	CONCRETE (SY)	
00000011	EA	NORM			ITS	INTELLIGENT TRANS. SYSTEMS (EA)	
SUBTOTAL:							

TOTALS FOR JOB 0007350

ITEMS COST:	\$556,168.68
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$556,168.68
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$556,168.68

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE CSSTP-0007-00(350) Jackson Co. **OFFICE** Gainesville
P.I. No. 0007350
Signalized Intersection Improvements **DATE** September 26, 2011

FROM 
Allen Ferguson
District Utilities Engineer

TO Sue Anne Decker, Project Manager, Office of Program Delivery

SUBJECT PRELIMINARY UTILITY COST (ESTIMATE)

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimate for the subject project.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light Co.	\$ 0.00	\$ 0.00
City of Commerce-Gas	\$ 0.00	\$ 0.00
City of Commerce- Water	\$ 0.00	\$ 0.00
City of Commerce-Electrical	\$4,000.00	\$ 6,000.00
Jackson EMC	\$ 0.00	\$ 0.00
Windstream Communications	\$6,000.00	\$12,000.00
Windstream CATV	\$1,500.00	\$ 2,000.00
TOTAL	\$11,500.00	\$20,000.00

If you have any questions, please contact Allen Ferguson at 770-532-5510.

RAF

C: Jeff Baker, State Utilities Engineer
Angie Robinson, Office of Financial Management
Tony Voyles, Area Engineer
File

From: [Decker, Sue Anne](#)
To: [Nicholson, Marvin](#); [Acree, David](#); [Carlson, Chad](#)
Cc: [Pugh, Samuel](#); [Tolson, Jim](#); [Payne, Cory](#)
Subject: 0007350 - Removal of SR 11 Bus @ Old Pendergrass Road
Date: Wednesday, December 19, 2012 8:54:00 AM

Team,

Please note SR 11 BUS @ Old Pendergrass Road has been removed for this project due to adverse impacts to historic trees. I discussed this issue with Design, OES and the TMC. All are in agreement that this intersection should be removed.

If you have any questions/comments, please feel free to contact me.

Best Regards and Merry Christmas!!

Sue Anne H. Decker, P.E.

Project Manager

Office of Program Delivery

Office: 706-646-6974

Blackberry: 404-987-1990

115 Transportation Blvd

Thomaston, GA 30286

Fax: 706-646-6722