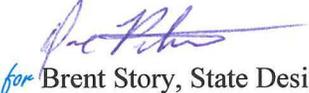


ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0010364 **OFFICE** Design Policy & Support
GDOT District 5 - Jesup
Bulloch County **DATE** November 15, 2013
SR 26 at CR 585/Burkhalter Rd Intersection
Improvements

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:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Chris Rudd
Cindy VanDyke, State Transportation Planning Administrator
Jeff Fletcher, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Karon Ivery, District Engineer
William Murphy, District Preconstruction Engineer
Maggie Yoder, District Planning & Programming Engineer
Ron Nelson, Area Engineer - D5, A6
Aghdas Ghazi, Project Manager
BOARD MEMBER - 12th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Number: 0010364, Bulloch OFFICE Program Delivery
SR 26 @ CR 585/ Burkhalter Road DATE October 23, 2013

FROM: *Genetha Rice*
Genetha Rice-Singleton, State Program Delivery Engineer

TO: Brent Story, P.E., Design Policy & Support Administrator
ATTN: Dave Peters, State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: This project is consists of the construction and installation of a traffic signal with left and right- turn lanes along SR 26/US 80 in southeast quadrant of the intersection along CR585/Burkhalter Road. The existing right turn lane will be reconstructed. This intersection is located in the City of Statesboro, Bulloch County, Georgia near mile post 22.72. The proposed project length is approximately 0.47 miles.

Concept Approval Date: April ^{3, 2013} 4, 2013

Concept Update: None

Categorical Exclusion Approval Date: August 2, 2013

Public Involvement:

- Public Information Open House results: A PIOH is not required
- Public Hearing Open House: A PHOH is not required

Consistency with Approved Planning:

The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: I recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

12/11/13
CONCURS RECOMMEND: *Joe Carpenter* *11/6/2013*
Director of Engineering

APPROVE: *Bill McMillan* *11/12/13*
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *November 15, 2013*
(To be entered by the State Conceptual Design Engineer)

Attachments:

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

PROJ. NO.: 0010364
P.I. NO. 0010364
DATE: 9/25/2013

Base Construction Cost	\$	723,681.18
E & I	5% \$	36,184.06
Construction Contingency	0 \$	-
Subtotal Construction Cost	\$	<u>759,865.24</u>
Liquid AC Adjustment (50 % cap)	\$	<u>36,391.71</u>
Total Construction Cost	\$	<u>796,256.95</u>

DETAILED COST ESTIMATE



Job: 0010364

JOB NUMBER 0010364

FED/STATE PROJECT NUMBER 0010364

SPEC YEAR: 01

DESCRIPTION: SR26/US60 @ CR585/BURKHALTER ROAD
ALTERNATE NO. 3, SIGNAL CONTROL

ITEMS FOR JOB 0010364

0010 - ROADWAY ITEMS

ITEM	QTY	UNITS	PRICE	DESCRIPTION	AMOUNT
0006	150-1000	1.000	\$30,000.00000	TRAFFIC CONTROL - 0010364	\$30,000.00
0010	210-0100	1.000	\$200,000.00000	GRADING COMPLETE - 0010364	\$200,000.00
0015	310-5080	1744.000	\$11.58801	GR AGGR BS CRS 6IN INCL MATL	\$20,209.49
0020	310-5120	1971.000	\$18.07894	GR AGGR BS CRS 12IN INCL MATL	\$35,633.59
0515	441-0106	95.000	\$45.00000	CONC SIDEWALK, 6 IN	\$4,275.00
0520	441-5003	125.000	\$23.77000	CONC HEADER CURB, 8", TP 3	\$2,971.25
0455	500-3200	146.000	\$355.37630	CL B CONC	\$51,884.94
0050	634-1200	25.000	\$101.48523	RIGHT OF WAY MARKERS	\$2,537.16
SUBTOTAL FOR ROADWAY ITEMS:					\$347,611.43

0020 - PAVEMENT ITEMS

ITEM	QTY	UNITS	PRICE	DESCRIPTION	AMOUNT
0055	402-1812	100.000	\$62.85040	RECYL AC LEVELING, INC BM&HL	\$6,285.04
0060	402-3121	652.000	\$83.74821	RECYL AC 25MM SP, GP1/2, BM&HL	\$54,603.83
0065	402-3130	719.000	\$80.10385	RECYL AC 12.5MM SP, GP2, BM&HL	\$57,594.74
0070	402-3190	516.000	\$84.93924	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$43,364.25
0675	413-1000	1600.000	\$3.00675	BITUM TACK COAT	\$4,810.80
0405	432-0206	5565.000	\$2.63081	MILL ASPH CONC PVMT/ 1.50" DEP	\$14,640.46
SUBTOTAL FOR PAVEMENT ITEMS:					\$183,299.12

0030 - DRAINAGE ITEMS

ITEM	QTY	UNITS	PRICE	DESCRIPTION	AMOUNT
0435	550-1180	330.000	\$29.95882	STM DR PIPE 18", H 1-10	\$9,886.41
0440	550-2180	141.000	\$26.47286	SIDE DR PIPE 18", H 1-10	\$3,732.67
0445	550-4118	7.000	\$333.55308	FLARED ENO SECT 18 IN, SIDE DR	\$2,334.94
0450	603-2182	10.000	\$50.35555	STN DUMPED RIP RAP, TP 3, 24"	\$503.56
0455	603-7000	10.000	\$3.56038	PLASTIC FILTER FABRIC	\$35.60
0470	668-2100	1.000	\$1,532.21869	DROP INLET, GP 1	\$1,532.22
SUBTOTAL FOR DRAINAGE ITEMS:					\$18,325.40

DETAILED COST ESTIMATE



Job: 0010364

0040 - PERMANENT EROSION CONTROL ITEMS

ITEM	QTY	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0110	700-6910	2.000	AC	\$727.52025	PERMANENT GRASSING	\$1,455.04
0115	700-7000	3.000	TN	\$25.05372	AGRICULTURAL LIME	\$75.19
0120	700-8000	2.000	TN	\$485.13175	FERTILIZER MIXED GRADE	\$970.26
0125	700-8100	75.000	LB	\$2.90526	FERTILIZER NITROGEN CONTENT	\$2229.52
0130	716-2000	3000.000	SY	\$1.39125	EROSION CONTROL MATS, SLOPES	\$4,173.75
SUBTOTAL FOR PERMANENT EROSION CONTROL ITEMS:						\$6,903.76

0050 - TEMPORARY EROSION CONTROL ITEMS

ITEM	QTY	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0135	163-0232	1.000	AC	\$234.49377	TEMPORARY GRASSING	\$234.49
0140	163-0240	30.000	TN	\$167.22001	MULCH	\$5,016.60
0425	163-0300	2.000	EA	\$1,471.81357	CONSTRUCTION EXIT	\$2,943.63
0160	163-0528	42.000	LF	\$4.18549	CONSTR AND REM FAB CK DAM - TP C SLT FN	\$175.79
0155	163-0529	420.000	LF	\$3.79152	CONSTR AND REM SED BAR OR BLD STRW CK DM	\$1,592.56
0415	163-0550	1.000	EA	\$153.37250	CONS & REM INLET SEDIMENT TRAP	\$153.37
0165	165-0010	1325.000	LF	\$0.36960	MAINT OF TEMP SILT FENCE, TP A	\$489.72
0410	165-0041	21.000	LF	\$1.63503	MAINT OF CHECK DAMS - ALL TYPES	\$34.34
0175	165-0071	210.000	LF	\$0.82151	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$172.52
0430	165-0101	2.000	EA	\$452.93945	MAINT OF CONST EXIT	\$905.88
0420	165-0105	1.000	EA	\$49.80920	MAINT OF INLET SEDIMENT TRAP	\$49.81
0185	171-0010	3650.000	LF	\$2.02194	TEMPORARY SILT FENCE, TYPE A	\$7,380.08
SUBTOTAL FOR TEMPORARY EROSION CONTROL ITEMS:						\$19,148.59

0060 - SIGNING AND MARKING ITEMS

ITEM	QTY	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0205	636-1020	46.000	SF	\$13.95043	HWY SGN, TP1MAT, REFL SH TP3	\$641.72
0215	636-1033	74.000	SF	\$17.23381	HWY SIGNS, TP1MAT, REFL SH TP 9	\$1,275.31
0220	636-1041	60.000	SF	\$29.98628	HWY SIGNS, TP 2MAT, REFL SH TP 9	\$1,797.96
0225	636-2070	124.000	LF	\$7.12448	GALV STEEL POSTS, TP 7	\$883.44
0230	636-2080	64.000	LF	\$8.75882	GALV STEEL POSTS, TP 8	\$560.56
0475	636-2060	42.000	LF	\$9.59454	GALV STEEL POSTS, TP 9	\$402.99
0480	636-3010	2.000	EA	\$450.18721	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$900.37
0395	639-1004	4.000	EA	\$5,545.72972	STRAIN POLE, TP IV	\$22,182.92
0165	653-0100	30.000	EA	\$389.57174	THERM PVMT MARK, RR/HWY X SYM	\$11,687.15
0390	653-0120	16.000	EA	\$77.28227	THERM PVMT MARK, ARROW, TP 2	\$1,236.52
0235	653-1501	4325.000	LF	\$0.50746	THERMO SOLID TRAF ST 5 IN, WHI	\$2,194.76
0240	653-1502	2170.000	LF	\$0.61166	THERMO SOLID TRAF ST, 5 IN YEL	\$1,327.30
0245	653-1704	100.000	LF	\$4.10581	THERM SOLID TRAF STRIPE 24", WHI	\$410.68
0485	653-1804	825.000	LF	\$1.83096	THERM SOLID TRAF STRIPE, 8", WHI	\$1,510.54
0260	653-3501	500.000	GLF	\$0.28324	THERMO SKIP TRAF ST, 5 IN, WHI	\$141.62
0265	653-6004	230.000	SY	\$3.32053	THERM TRAF STRIPING, WHITE	\$763.72
0270	653-6006	80.000	SY	\$3.71485	THERM TRAF STRIPING, YELLOW	\$297.19
0490	654-1001	94.000	EA	\$3.25519	RAISED PVMT MARKERS TP 1	\$305.99
0495	654-1003	94.000	EA	\$3.22955	RAISED PVMT MARKERS TP 3	\$303.98
SUBTOTAL FOR SIGNING AND MARKING ITEMS:						\$48,824.34

DETAILED COST ESTIMATE



Job: 0010364

0090 - SIGNAL ITEMS

ITEM	QTY	UNITS	PRICE	DESCRIPTION	AMOUNT
0500	615-1200	150.000 LF	\$12.15080	DIRECTIONAL BORE - 0010364	\$1,822.62
0505	639-4004	4.000 EA	\$5,545.72972	STRAIN POLE, TP IV	\$22,182.92
0400	647-1000	1.000 LS	\$75,000.00000	TRAF SIGNAL INSTALLATION NO - 0010364	\$75,000.00
0510	682-5233	150.000 LF	\$4.42000	CONDUIT, NONMETL, TP 3, 2 IN	\$663.00
SUBTOTAL FOR SIGNAL ITEMS:					\$99,668.54

TOTALS FOR JOB 0010364

ITEMS COST:	5723,681.18
COST GROUP COST:	50.00
ESTIMATED COST:	5723,681.18
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$759,865.24

PROJ. NO. 0010364
 P.I. NO. 0010364
 DATE 9/25/2013

CALL NO.

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jul-13	\$ 3.523
DIESEL		\$ 3.903
LIQUID AC		\$ 571.00

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)				34037.31	\$	34,037.31
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	913.60		
Monthly Asphalt Cement Price month project let (APL)			\$	571.00		
Total Monthly Tonnage of asphalt cement (TMT)				99.35		

ASPHALT	Tons	%AC	AC ton
Leveling	100	5.0%	5
12.5 OGFC	0	5.0%	0
12.5 mm	719	5.0%	35.95
9.5 mm SP	0	5.0%	0
25 mm SP	652	5.0%	32.6
19 mm SP	516	5.0%	25.8
	1987		99.35

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 2,354.40	\$	2,354.40
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	913.60		
Monthly Asphalt Cement Price month project let (APL)			\$	571.00		
Total Monthly Tonnage of asphalt cement (TMT)				6.872161475		

Bitum Tack	Gals	gals/ton	tons
	1600	232.8234	6.87216148

PROJ. NO. 0010364
 P.I. NO. 0010364
 DATE 9/25/2013

CALL NO.

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	913.60			
Monthly Asphalt Cement Price month project let (APL)			\$	571.00			
Total Monthly Tonnage of asphalt cement (TMT)					0		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	0	0.20	0	232.8234	0
Double Surf. Trmt.	0	0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ 36,391.71

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. # 0010364 Bulloch County

OFFICE Jesup

DATE 10-23-2013

FROM Dallory Rozier, District Utilities Engineer

TO Aghdas Ghazi, Project Manager

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with an Updated Utility Cost Estimate of each Utility with facilities potentially located within the above referenced project limits.

Facility Owner	Non-Reimbursable	Reimbursable	Comments
Georgia Power Distribution	\$ 0.00	\$ 0.00	No known conflicts
Excelsior EMC	\$ 21,000.00	\$ 0.00	
Bulloch Rural Telephone	\$ 55,440.00	\$ 0.00	
Frontier Communications	\$ 55,440.00	\$ 0.00	
Northland Cable Vision	\$ 24,675.00	\$ 0.00	
Totals	\$ 156,555.00	\$ 0.00	
Total Reimbursement		\$ 0.00	

CC; Angie Robinson, Office of Financial Management;
Lee Upkins, Assistant State Utilities Engineer
District Office File
Utilities Office File

NOTICE OF LOCATION AND DESIGN APPROVAL
BULLOCH COUNTY
P.I. NO.: 0010364

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 approval is: **November 15, 2013.**

This project is consists of the construction and installation of a traffic signal with left and right- turn lanes along SR 26/US 80 in southeast quadrant of the intersection along CR585/Burkhalter Road. The existing right turn lane will be reconstructed. This intersection is located in the City of Statesboro, Bulloch County, Georgia near mile post 22.72 in Georgia Militia District 1209 and 1523. The proposed project length is approximately 0.47 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:

Ron Nelson, District 5 Area 6 Engineer
17213 U.S. Highway 301 North
Statesboro, Georgia 30461
ronelson@dot.ga.gov
912-871-1103

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and submitting a written request to:

Genetha Rice-Singleton, State Program Delivery Engineer
Georgia Department of Transportation
Office of Program Delivery 25th Floor
600 West Peachtree Street NW
Atlanta, Georgia 30308
grice-singleton@dot.ga.gov
404-631-1522

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.