

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0012610 **OFFICE** Design Policy & Support
Coweta County
GDOT District 3 - Thomaston **DATE** January 9, 2017
Intersection Realignment of SR 16 @ CR 74/Pylant
St and CR 74/Pylant St. @ Dead Oak Creek

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
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
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
Michael Presley, District Engineer
Adam Smith, District Preconstruction Engineer
Harland Smith, District Planning & Programming Engineer
David Neighbors, Area Engineer - D3, A5
Dina Rimi, Community Development Director, City of Senoia
Jason Mobley, Project Manager
BOARD MEMBER - 3rd Congressional District

Public Involvement: A Public Information Open House was conducted on May 12, 2015 at the City of Senoia Municipal Court building. The proposed project and detour route was presented to the public for review and comment. A total of eleven people attended the open house. Of the four respondents who formally commented, three were in support of the project, none were opposed, none were uncommitted, and one expressed conditional support. Those attending expressed appreciation for the proposed improvements and the opportunity to learn about the subject project. They would appreciate having opportunity to comment on other nearby projects in a similar forum. No opposing comments were received, and no changes or adjustments were deemed necessary to the project as a result of the comments received.

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 Pikel*
GDOT Director of Engineering

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

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

KESD

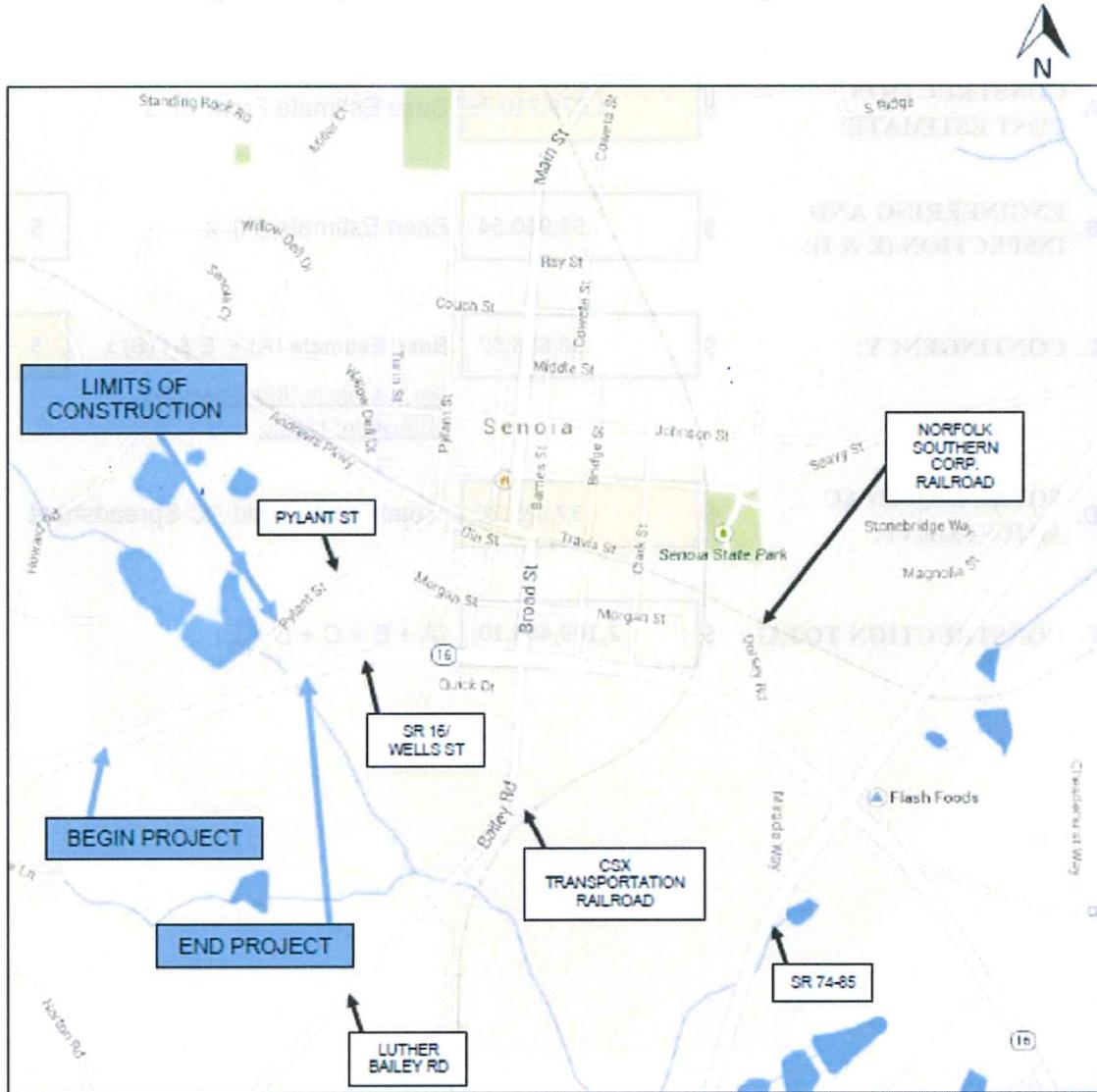
AVS:CLB:KESD:jwm

Attachments:

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

Sketch Map

Coweta 0012610
SR 16 @ CR 74/Pylant Street & CR 74/Pylant Street @ Dead Oak Creek



Construction Cost Summary

Coweta 0012610

SR 16 @ CR 74/Pylant Street & CR 74/Pylant Street @ Dead Oak Creek

A. CONSTRUCTION COST ESTIMATE:	\$	1,879,210.79	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	93,960.54	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	98,658.57	Base Estimate (A) + E & I (B) x	5 %
			See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	37,633.20	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	2,109,463.10	(A + B + C + D = E)	

STATE HIGHWAY AGENCY
 JOB ESTIMATE REPORT

JOB NUMBER : 0012610
 SPEC YEAR: 01
 DESCRIPTION: SR 16 @ PLYANT ST. & PLYANT ST.@DEAD OAK CREEK UNNAMED TRIBUTARY

ITEMS FOR JOB 0012610

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - TRAFFIC CONTROL	1.000	50000.00	50000.00
0010	207-0203		CY	FOUND BKFILL MATL, TP II	88.000	61.05	5372.99
0015	210-0100		LS	GRADING COMPLETE - GRADING COMPLETE	1.000	250000.00	250000.00
0020	310-1101		TN	GR AGGR BASE CRS, INCL MATL	4061.000	26.09	105968.38
0025	318-3000		TN	AGGR SURF CRS	96.000	27.21	2612.78
0029	402-1802		TN	RECYL AC PATCHING, INCL BM&HL	20.000	178.76	3575.30
0030	402-1812		TN	RECYL AC LEVELING, INC BM&HL	65.000	113.09	7351.40
0035	402-3121		TN	RECYL AC 25MM SP,GPI/2, BM&HL	909.000	84.74	77028.88
0040	402-3130		TN	RECYL AC 12.5MM SP,GP2, BM&HL	2007.000	89.71	180059.19
0045	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2, INC BM&HL	733.000	88.66	64993.15
0050	413-1000		GLM	BITUM TACK COAT	618.000	3.85	2383.26
0053	456-2012		GLM	INVENT. RUMB. STRIPS - GRND-IN-PL (CONT)	0.700	1415.76	991.04
0054	432-5010		SY	MILL ASPH CONC PVMF,VARB DEPTH	5925.000	4.70	27897.86
0055	441-0104		SY	CONC SIDEWALK, 4 IN	1118.000	36.83	41183.60
0058	441-0740		SY	CONC MEDIAN, 4 IN	177.000	32.84	5813.13
0059	441-4030		SY	CONC VALLEY GUTTER, 8 IN	96.000	51.47	4941.88
0060	441-6222		LF	CONC CURB & GUTTER/ 8"X30"TP2	2318.000	18.00	41742.13
0064	441-6740		LF	CONC CURB & GUTTER/ 8"X30" TP7	482.000	21.89	10551.18
0065	446-1100		LF	PVMF REF FAB STRIPS, TP2,18 INCH WIDTH	1676.000	6.23	10457.96
0070	500-3101		CY	CLASS A CONCRETE	226.000	899.34	203251.15
0074	500-3200		CY	CL B CONC	27.000	531.37	14347.20
0075	500-9999		CY	CL B CONC,BASE OR PVMF WIDEN	21.000	209.54	4400.42
0080	511-1000		LB	BAR REINF STEEL	20619.000	0.99	20584.98
0081	550-2999		LF	PIPE ARCH - 19' X 8'10" ALUMINUM ARCH CULVERT	56.000	1321.42	74000.00
0082	207-0204		TN	FOUND BKFILL MATL, TP II -SPECIAL BACKFILL MATERIAL	420.000	125.00	52500.00
0085	550-1180		LF	STM DR PIPE 18",H 1-10	752.000	48.69	36619.32
0087	550-1240		LF	STM DR PIPE 24",H 1-10	111.000	62.56	6945.03
0088	550-2180		LF	SIDE DR PIPE 18",H 1-10	18.000	39.06	703.15
0089	550-4224		EA	FLARED END SECT 24 IN, ST DR	2.000	745.00	1490.01
0090	550-4118		EA	FLARED END SECT 18 IN, SIDE DR	2.000	446.35	892.71
0094	550-4218		EA	FLARED END SECT 18 IN, ST DR	1.000	637.12	637.13
0095	573-2006		LF	UNDR PIPE INCL DRAIN AGGR 6"	200.000	23.81	4763.94
0099	632-0003		EA	CHANGEABLE MESS SIGN,PORT,TP 3	2.000	7969.75	15939.52
0100	634-1200		EA	RIGHT OF WAY MARKERS	7.000	133.10	931.72
0105	641-1200		LF	GUARDRAIL, TP W	525.000	20.66	10848.49
0110	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	5.000	934.83	4674.17
0115	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	5.000	2209.53	11047.66
0120	643-8200		LF	BARRIER FENCE (ORANGE), 4 FT	2000.000	1.59	3198.26
0125	668-1100		EA	CATCH BASIN, GP 1	7.000	2459.51	17216.58

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

0129	668-1110	LF	CATCH BASIN, GP 1, ADDL DEPTH	2.000	244.73	489.47
0130	668-2100	EA	DROP INLET, GP 1	3.000	2589.08	5178.17
0131	668-2110	LF	DROP INLET, GP 1, ADDL DEPTH	2.000	219.43	658.30
0132	668-4300	EA	STORM SEW MANHOLE, TP 1	4.000	1884.68	7538.72
0133	668-4311	LF	ST SEW MANHOLE, TP 1, A DEP, CL 1	3.000	242.00	726.01
0134	668-5005	EA	JUNCTION BOX, SPCL DES	4.000	5000.00	20000.00
0135	441-0204	SY	PLAIN CONC DITCH PAVING, 4 IN	100.000	43.33	4333.59
0140	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24"	170.000	57.34	9748.52
0144	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24"	42.000	54.88	2305.33
0145	603-7000	SY	PLASTIC FILTER FABRIC	212.000	4.30	911.99
0150	700-6910	AC	PERMANENT GRASSING	6.000	961.68	5770.08
0155	700-7000	TN	AGRICULTURAL LIME	18.000	121.13	2180.47
0160	700-8000	TN	FERTILIZER MIXED GRADE	6.000	557.07	3342.44
0165	700-8100	LB	FERTILIZER NITROGEN CONTENT	298.000	2.96	883.69
0170	710-9000	SY	PERM SOIL REINFORCING MAT	4000.000		
0175	716-2000	SY	EROSION CONTROL MATS, SLOPES	20480.000	0.84	17256.86
0180	163-0232	AC	TEMPORARY GRASSING	3.000	368.96	1106.90
0185	163-0240	TN	MULCH	22.000	325.46	7160.19
0190	163-0300	EA	CONSTRUCTION EXIT	5.000	1423.95	7119.77
0205	163-0520	LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	500.000	15.52	7762.68
0210	163-0527	EA	CONST/REM RIP RAP CKDM, STN P RIPRAP/SN	23.000	351.41	8082.48
0215	163-0529	LF	CONST/REM TEMP SED BAR OR BLD STRW CK DM	1700.000	4.54	7723.05
0220	163-0531	EA	CONSTR & REM SEDIMENT BASIN, TP 1, STA	1.000	19183.78	19183.78
0224	163-0542	EA	NO- SD3 SEDIMENT BASIN	1.000	559.22	559.22
0225	163-0550	EA	CONSTR & REM STONE FILTER RING	12.000	147.36	1768.37
0230	165-0030	LF	CONTS & REM INLET SEDIMENT TRAP	3733.000	0.78	2937.24
0235	165-0041	LF	MAINT OF TEMP SILT FENCE, TP C	460.000	5.26	2423.04
0240	165-0060	EA	MAINT OF CHECK DAMS - ALL TYPES	1.000	1937.31	1937.32
0245	165-0071	LF	MAINT OF TEMP SEDIMENT BASIN, STA NO -	850.000	1.27	1086.93
0250	165-0111	EA	MAINT OF SEDIMENT BARRIER - BALED STRAW	1.000	276.32	276.32
0260	165-0101	EA	MAINT OF STONE FILTER RING	5.000	591.39	2956.95
0265	165-0105	EA	MAINT OF CONST EXIT	12.000	67.17	806.13
0270	167-1000	EA	MAINT OF INLET SEDIMENT TRAP	2.000	335.49	670.99
0275	167-1500	EA	WATER QUALITY MONITORING AND SAMPLING	9.000	545.72	4911.55
0280	171-0030	MO	WATER QUALITY INSPECTIONS	7466.000	3.15	23558.59
0285	636-1020	LF	TEMPORARY SILT FENCE, TYPE C	41.000	16.49	676.49
0289	636-1029	SF	HWY SGN,TP1MAT,REFL SH TP3	33.000	17.95	592.65
0290	636-1033	SF	HWY SGN,TP2 MATL,REFL SH TP 3	47.000	22.63	1063.99
0295	636-2070	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	283.000	8.46	2396.03
0297	652-0094	LF	GALV STEEL POSTS, TP 7	2.000	65.25	130.52
0298	652-0110	EA	PVMT MARKING, SYMBOL, TP 4	2.000	66.91	133.83
0299	652-0120	EA	PAVEMENT MARKING, ARROW, TP 1	9.000	100.00	900.00
0300	653-1501	LF	PAVEMENT MARKING, ARROW, TP 2	6850.000	0.49	3371.84
0305	653-1502	LF	THERMO SOLID TRAF ST 5 IN, WHI	3262.000	0.54	1768.92
0310	653-1704	LF	THERMO SOLID TRAF ST, 5 IN YEL	36.000	7.81	281.47
0313	653-1804	LF	THERM SOLID TRAF STRIPE, 24", WH	456.000	2.46	1123.33
0314	653-3501	GLF	THERMO SOLID TRAF STRIPE, 8", WH	305.000	0.49	151.91
			THERMO SKIP TRAF ST, 5 IN, WHI			

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

0315	653-6006	SY	THERM TRAF STRIPING, YELLOW	249.000	4.18	1041.11
0320	654-1001	EA	RAISED PYMT MARKERS TP 1	80.000	4.51	361.51
0325	654-1003	EA	RAISED PYMT MARKERS TP 3	60.000	4.44	266.50
0330	009-3500	LS	MISC LANDSCAPE ITEMS PLANT MATERIAL	1.000	192000.00	192000.00
			INCL TREES AND SHRUBS			
0335	009-3500	LS	MISC LANDSCAPE ITEMS PARKING LOT - TRAILHEAD	1.000	31680.00	31680.00
0340	009-3500	LS	MISC LANDSCAPE ITEMS SITE FURNISHINGS	1.000	5000.00	5000.00
0345	009-3500	LS	MISC LANDSCAPE ITEMS DECORATIVE SIGN	1.000	25000.00	25000.00
0355	001-5000	*	UTILITY CONTINGENCY UTILITY ALLOWANCE	1.000	50000.00	50000.00

ITEM TOTAL 1879210.79
 INFLATED ITEM TOTAL 1879210.79

TOTALS FOR JOB 0012610

ESTIMATED COST: 1879210.79
 CONTINGENCY PERCENT (10.0) : 187921.08
 ESTIMATED TOTAL: 2067131.87

PROJ. NO. [REDACTED]
 P.I. NO. 0012610
 DATE 12/21/2016

CALL NO. 0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Dec-16	\$ 2.092
DIESEL		\$ 2.395
LIQUID AC		\$ 333.00

Link to AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)					37102.86	\$	37,102.86
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	532.80			
Monthly Asphalt Cement Price month project let (APL)			\$	333.00			
Total Monthly Tonnage of asphalt cement (TMT)				185.7			

ASPHALT	Tons	%AC	AC ton
Leveling	65	5.0%	3.25
12.5 OGFC		5.0%	0
12.5 mm	2007	5.0%	100.35
9.5 mm SP		5.0%	0
25 mm SP	909	5.0%	45.45
19 mm SP	733	5.0%	36.65
	3714		185.7

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	530.34	\$	530.34
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	532.80			
Monthly Asphalt Cement Price month project let (APL)			\$	333.00			
Total Monthly Tonnage of asphalt cement (TMT)				2.65437237			

Bitum Tack

Gals	gals/ton	tons
618	232.8234	2.65437237

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	532.80			
Monthly Asphalt Cement Price month project let (APL)			\$	333.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack

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

TOTAL LIQUID AC ADJUSTMENT \$ 37,633.20

NOTICE OF LOCATION AND DESIGN APPROVAL
COWETA COUNTY
P. I.# 0012610

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

The proposed project P.I.# 0012610 would realign Pylant Street to intersect State Route (SR) 16 (Wells Street) at a 90 degree angle. The project begins on SR 16, immediately west of the westbound intersection with Pylant Street. The project ends on SR 16, immediately east of the crossing over the unnamed tributary of Dead Oak Creek. The existing bottomless box culvert over an unnamed tributary of Dead Oak Creek on Pylant Street would be replaced by a new bottomless box culvert. The existing culvert on State Route 16 would be extended by twelve feet on each side of SR 16 to allow space for northbound turn lanes. Sidewalks would be constructed along Pylant Street. Total project length is approximately 0.5 miles. Pylant Street traffic will be detoured to SR 16 via Broad Street and Gin Street in the City of Senoia during reconstruction of the culvert on Pylant Street.

The project is located in the City of Senoia, Land District 1, Lots 247, 260 and 261 in Coweta County, GA.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the City of Senoia:

Ms. Dina Rimi
Community Development Director
City of Senoia
80 Main Street
Senoia, GA 30276
drimi@senoia.com
(770) 599-3679

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: Jason Mobley, Project Manager
Georgia Department of Transportation
Office of Program Delivery
115 Transportation Boulevard
Thomaston, GA 30286
jmobley@dot.ga.gov
(706) 646-7571

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.