

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0012607 **OFFICE** Design Policy & Support
Cobb County
GDOT District 7 - Metro Atlanta **DATE** 12/15/2015
Intersection Improvements: SR 3 &
SR 120 ALT

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

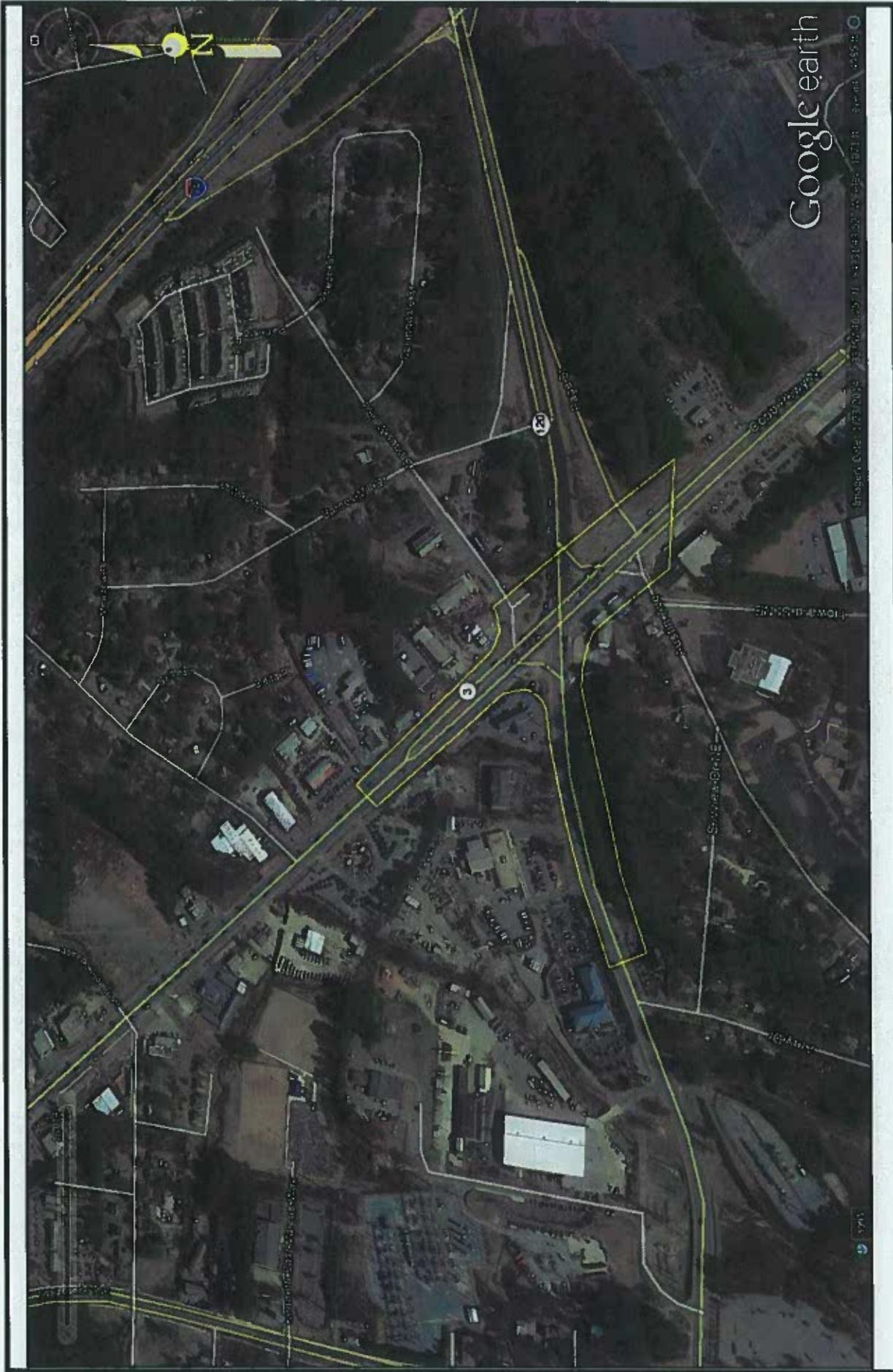
SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, 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
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Lisa Myers, State Project Review Engineer
Ed David Adams, State Safety Program Manager
Richard Cobb, Location Bureau Chief
Kathy Zahul, District Engineer
Scott Lee, District Preconstruction Engineer
Sebastian Nesbitt, Area Engineer - D7, A2
Ryan Fernandez, Project Manager
BOARD MEMBER - 11th Congressional District



Scale:
 Designed By: SPB
 Proj. No.: 729-13-005
 Issue Date: 12/19/14

US 41 & SR 120 INTERSECTION

PROJECT VICINITY MAP
 P.I. # 12607

PROJECT LIMITS

SEI
SOUTHEASTERN ENGINEERING, INC.
 2220 Sandy Plains Road Marietta, Georgia 30066
 tel: 770-521-5558 fax: 770-521-5955
 www.srengineering.com

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.

OFFICE

PROJECT DESCRIPTION

DATE

From:

Albert V. Shelby, III

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 \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

*Cost Contains % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	1,524,284.75	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	76,214.24	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	80,024.95	Base Estimate (A) + E & I (B) x	5 %
			<u>See % Table in "Risk Based Cost Estimation" Memo</u>	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	36,463.16	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	1,716,987.10	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

Liquid AC Adjustment Spreadsheet

PROJ. NO.
 P.I. NO. 001267
 DATE 11/13/2015

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Nov-15	\$ 2.054
DIESEL		\$ 2.430
LIQUID AC		\$ 413.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

$PA = (((APM - APL) / APL)) \times TMT \times APL$

Asphalt

Price Adjustment (PA)				35931	\$	35,931.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	660.80		
Monthly Asphalt Cement Price month project let (APL)			\$	413.00		
Total Monthly Tonnage of asphalt cement (TMT)				145		

ASPHALT	Tons	%AC	AC ton
Leveling		5.0%	0
12.5 OGFC		5.0%	0
12.5 mm	2000	5.0%	100
9.5 mm SP		5.0%	0
25 mm SP	600	5.0%	30
19 mm SP	300	5.0%	15
	2900		145

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 532.16	\$	532.16
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	660.80		
Monthly Asphalt Cement Price month project let (APL)			\$	413.00		
Total Monthly Tonnage of asphalt cement (TMT)				2.147550461		

Bitum Tack		
Gals	gals/ton	tons
500	232.8234	2.14755046

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	660.80		
Monthly Asphalt Cement Price month project let (APL)			\$	413.00		
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 **\$ 36,463.16**

DETAILED COST ESTIMATE



Job: 0012607

JOB NUMBER 0012607

FED/STATE PROJECT NUMBER 0012607

SPEC YEAR: 13

**DESCRIPTION: COBB PARKWAY (US 41) AT NORTH MARIETTA PARKWAY (SR 120 LOOP)
INTERSECTION IMPROVEMENT**

ITEMS FOR JOB 0012607

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$100,000.00000	TRAFFIC CONTROL - TRAFFIC CONTROL	\$100,000
0210	163-0232	4.000	AC	\$449.47179	TEMPORARY GRASSING	\$1,798
0215	163-0240	50.000	TN	\$249.40278	MULCH	\$12,470
0220	163-0300	2.000	EA	\$1,372.80908	CONSTRUCTION EXIT	\$2,746
0225	163-0529	15.000	LF	\$6.85426	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$103
0230	163-0550	20.000	EA	\$131.74909	CONS & REM INLET SEDIMENT TRAP	\$2,636
0235	165-0010	6000.000	LF	\$0.46291	MAINT OF TEMP SILT FENCE, TP A	\$2,778
0240	165-0030	1000.000	LF	\$0.79212	MAINT OF TEMP SILT FENCE, TP C	\$792
0245	165-0071	200.000	LF	\$2.36761	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$474
0250	165-0101	4.000	EA	\$592.80554	MAINT OF CONST EXIT	\$2,371
0255	165-0105	40.000	EA	\$85.41950	MAINT OF INLET SEDIMENT TRAP	\$3,417
0260	167-1000	2.000	EA	\$226.81051	WATER QUALITY MONITORING AND SAMPLING	\$454
0265	167-1500	18.000	MO	\$454.72672	WATER QUALITY INSPECTIONS	\$8,185
0270	171-0010	3000.000	LF	\$1.94182	TEMPORARY SILT FENCE, TYPE A	\$5,825
0275	171-0030	500.000	LF	\$3.61987	TEMPORARY SILT FENCE, TYPE C	\$1,810
0095	207-0203	100.000	CY	\$55.34312	FOUND BK FILL MATL, TP II	\$5,534
0010	210-0100	1.000	LS	\$150,000.00000	GRADING COMPLETE - GRADING COMPLETE	\$150,000
0015	310-5120	2830.000	SY	\$22.46702	GR AGGR BS CRS 12IN INCL MATL	\$63,500
0020	402-3121	600.000	TN	\$80.75961	RECYL AC 25MM SP,GP1/2,BM&HL	\$48,456
0025	402-3130	2000.000	TN	\$88.19104	RECYL AC 12.5MM SP,GP2,BM&HL	\$176,382
0030	402-3190	300.000	TN	\$95.94064	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$28,783
0035	413-1000	500.000	GL	\$4.25191	BITUM TACK COAT	\$2,126
0040	432-5010	22600.000	SY	\$2.43901	MILL ASPH CONC PVMT,VARB DEPTH	\$55,100
0045	441-0018	25.000	SY	\$58.26778	DRIVEWAY CONCRETE, 8 IN TK	\$1,457
0050	441-0104	1090.000	SY	\$36.51981	CONC SIDEWALK, 4 IN	\$39,800
0055	441-0754	580.000	SY	\$43.27522	CONC MEDIAN, 7 1/2 IN RED STAMPED	\$25,099
0060	441-5008	1590.000	LF	\$17.00000	CONC HEADER CURB, 6 IN, TP 7	\$27,000
0065	441-6222	1905.000	LF	\$17.88097	CONC CURB & GUTTER/ 8X30TP2	\$34,000
0070	441-9000	4.000	EA	\$50.00000	PRECAST BUMPER BLOCK	\$200
0075	446-1100	1000.000	LF	\$6.58129	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$6,581
0079	500-3107	483.000	CY	\$750.00000	CL A CONC, RET WALL	\$362,250
0085	500-3115	110.000	LF	\$675.00000	CLASS A CONCRETE, TYPE P2, RETAINING WAL	\$74,250
0080	500-9999	50.000	CY	\$229.66411	CL B CONC,BASE OR PVMT WIDEN	\$11,481
0090	515-2020	110.000	LF	\$36.04297	GALV STEEL PIPE HDRAIL,2,ROUD	\$3,965
0100	550-1182	350.000	LF	\$40.50577	STM DR PIPE 18,H 15-20	\$14,198
0105	550-1240	70.000	LF	\$82.20631	STM DR PIPE 24,H 1-10	\$5,754
0109	550-1300	10.000	LF	\$82.81264	STM DR PIPE 30,H 1-10	\$828
0280	603-2181	25.000	SY	\$47.34893	STN DUMPED RIP RAP, TP 3, 18	\$1,184
0285	603-7000	25.000	SY	\$4.76551	PLASTIC FILTER FABRIC	\$117
0135	611-3002	1.000	EA	\$2,000.00000	RECONSTR CATCH BASIN, GROUP 2	\$2,000
0195	636-1020	72.000	SF	\$16.06233	HWY SGN,TP1MAT,REFL SH TP3	\$1,157

DETAILED COST ESTIMATE



Job: 0012607

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0200	638-1033	108.000	SF	\$21.51212	HWY SIGNS, TP1MAT,REFL SH TP 9	\$2,32
0205	638-2090	200.000	LF	\$8.53122	GALV STEEL POSTS, TP 9	\$1,70
0315	847-1000	1.000	LS	\$185,000.00000	TRAF SIGNAL INSTALLATION NO - TRAFFIC SIGNAL INSTALLATION NO.1	\$185,00
0185	852-0120	39.000	EA		PAVEMENT MARKING, ARROW, TP 2	
0190	853-0400	2.000	EA	\$891.73000	THERM PVMT MARK, WORD, TP 21	\$1,76
0150	653-1501	2475.000	LF	\$0.54133	THERMO SOLID TRAF ST 5 IN, WHI	\$1,33
0140	653-1502	3250.000	LF	\$0.50960	THERMO SOLID TRAF ST, 5 IN YEL	\$1,65
0180	653-1704	216.000	LF	\$6.85287	THERM SOLID TRAF STRIPE,24,WH	\$1,48
0170	653-1804	2820.000	LF	\$2.05167	THERM SOLID TRAF STRIPE, 8,WH	\$5,76
0160	653-3501	1950.000	GLF	\$0.42989	THERMO SKIP TRAF ST, 5 IN, WHI	\$83
0175	653-6004	600.000	SY	\$4.03262	THERM TRAF STRIPING, WHITE	\$2,41
0145	654-1001	42.000	EA	\$5.16500	RAISED PVMT MARKERS TP 1	\$21
0155	654-1003	124.000	EA	\$5.35514	RAISED PVMT MARKERS TP 3	\$66
0165	654-1003	24.000	EA	\$5.80883	RAISED PVMT MARKERS TP 3	\$13
0110	668-1100	4.000	EA	\$2,322.48329	CATCH BASIN, GP 1	\$9,26
0115	668-1110	10.000	LF	\$211.35227	CATCH BASIN, GP 1, ADDL DEPTH	\$2,11
0125	668-4300	3.000	EA	\$1,990.13953	STORM SEW MANHOLE, TP 1	\$5,97
0130	668-4311	5.000	LF	\$195.23454	ST SEW MANHOLE,TP 1,A DEP,CL 1	\$97
0280	700-6910	4.000	AC	\$912.05426	PERMANENT GRASSING	\$3,64
0285	700-7000	5.000	TN	\$133.80125	AGRICULTURAL LIME	\$66
0300	700-8000	15.000	TN	\$516.98683	FERTILIZER MIXED GRADE	\$7,75
0305	700-8100	100.000	LB	\$4.04830	FERTILIZER NITROGEN CONTENT	\$40
0310	700-9300	150.000	SY	\$6.06784	SOD	\$91
SUBTOTAL FOR :						\$1,624,26

TOTALS FOR JOB 0012607

ITEMS COST:	\$1,624,284.76
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,624,284.76
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.06
ESTIMATED COST WITH CONTINGENCY AND E&I:	~\$1,600,498.99

**NOTICE OF LOCATION AND DESIGN APPROVAL
COBB COUNTY
P. I. NUMBER 0012607**

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: DECEMBER 15, 2015

The project is located in Cobb County in the City of Marietta in Land Lots 1091, 1092, 1142, 1141, and 1140 in Congressional District No. 11.

The scope of the project is to extend the lifespan of the of the State Route 3/US Highway 41 and State Route 120 Alternate intersection while improving access for pedestrian, bicycles, and transit. The project would restripe the intersection and add additional dedicated turn lanes. The intersection currently has a significant pedestrian demand and no pedestrian facilities to support crossings. The project would provide pedestrian facilities within the project limits and provide a safe pedestrian crossing at the intersection. Bus stop facilities within the intersection would be upgraded and their locations adjusted to better facilitate ridership, embarking, and disembarking.

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:

*Charlie Lanz, P.E.
City Engineer / Asst. Public Works Director
205 Lawrence Street
Marietta, Georgia 30060
Phone: 770-794-5656
Fax: 770-794-5585
CLanz@mariettaga.gov*

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 Engineer
Attn: Ryan Fernandez
rfernandez@dot.ga.gov
Office of Program Delivery
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor
Atlanta, GA 30308
Office: (404) 631-1540*

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.