

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0006049 **OFFICE** Design Policy & Support
CSSTP-0006-00(049)
GDOT District 6 - Cartersville
GDOT District 7 - Metro Atlanta
Cobb & Paulding Counties **DATE** April 25, 2012
SR 360 widening from SR 176 in Cobb County to
SR 120 in Paulding County

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:

Genetha Rice-Singleton, Program Control Administrator
Lisa Myers, State Project Review Engineer
Phil Copeland, State Right-of-Way Administrator
Glenn Bowman, State Environmental Administrator
Bobby Hilliard, State Program Delivery Engineer
Kathy Zahul, State Traffic Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Ben Rabun, State Bridge Engineer
Angela Robinson, Financial Management Administrator
Sebastian Nesbitt, Area Engineer - D7, A2
Bill Dungan, Area Engineer - D6, A5
Vicki Gavalas, District Planning & Programming Engineer -D7
Greg Hood, District Planning & Programming Engineer -D6
Scott Lee, District Preconstruction Engineer -D7
Bryant Poole, District Engineer -D7
DeWayne Comer, District Preconstruction Engineer/ for District Engineer -D6
Chandria Brown, Project Manager
BOARD MEMBER - 11th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE	CSSTP-0006-00(049) Cobb & Paulding Counties SR 360 FM SR 176/COBB TO SR 120/PAULDING P.I. 0006049	OFFICE	Program Delivery
		DATE	April 17, 2012

FROM ^{3.14} Bobby Hilliard, P.E., State Program Delivery Engineer

TO Brent Story, P.E., State Design Policy Engineer
Attention: Dave Peters, State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal:

Project PI 0006049, located in Cobb and Paulding Counties, proposes to reconstruct SR 360 from a two-lane facility to a four-lane, median divided facility with curb and gutter, and sidewalks. The proposed typical section includes two 12-foot lanes in each direction, separated by a 20-foot raised grass median with curb and gutter, and five foot sidewalks on both sides of the roadway. The proposed project length is approximately 6.2 miles long with 3.1 miles in Paulding County and 3.1 miles in Cobb County. The functional classification of SR 360 is an Urban Minor Arterial. The speed limit on SR 360 is 45 mph.

The existing triple 10-foot by 9-foot culvert at Powder Springs Creek is to be replaced with a new bridge. The existing double 8-foot by 6-foot box culvert at Florence Branch is to be replaced with a 3-sided bottomless culvert. Six sidestreets are proposed to be realigned to improve skewed intersections – Ragsdale Road, Old Mill Road, Old Atlanta Road, Macland Circle, Bullard Road (South), and Bullard Road (North).

Concept Approval Date: Original Concept Approval: **February 16, 2007**
Revised Concept Approval: **April 30, 2010**

Concept Update:

The Revised Project Concept Report revised the following:

1. Revised the typical section from a 4-lane roadway with a 24' raised median to a 20' raised median per Value Engineering Implementation.
2. Revised the project length from 5.8 miles to 6.2 miles to account for the tie-in tapers at the project beginning and end.

Environmental Assessment/FONSI:

Original Approval Date: **April 10, 2012**
Reevaluation: N/A

Public Involvement:

Public Information Open House Meeting

The Georgia Department of Transportation held a Public Information Open House (PIOH) meeting on December 14, 2006 at Trinity Chapel Church in Powder Springs, GA. The purpose of the PIOH was to introduce the project, discuss concerns, solicit community comments and concerns, and answer questions on the aspects of the project. A total of 193 people attended, and 23 comments were received. Of the 23 comments received, 9 supported the project, 5 did not support the project, and 9 were undecided. The comments raised several common questions and concerns, including: loss of access to property due to the raised median design, requests for additional median breaks, potential right-of-way impacts to property, project timing (would like to see improvements soon), and potential loss of rural setting and landscaping.

The project team was able to reduce right-of-way and property impacts throughout the corridor by reducing the median width and/or lane widths even though there would still be displacements. The PIOH response letters detailed GDOT's responses to the concerns expressed at and after the meeting.

Additional Public Involvement

In addition to the PIOH, project staff conducted a number of outreach activities designed to inform the public about details of the project. These activities were outlined in the Public Involvement Plan and included:

- Church outreach
- Door-to-door surveys with the public
- Small group meetings
- Project hotline
- Flyers were hand-delivered to citizens' home addresses prior to the December 14th PIOH

Church Outreach

The following churches along the project corridor were contacted by phone to solicit their help in notifying their membership of the meeting.

- Mighty Fortress Evangelical Lutheran Church
- Trinity Chapel
- Christ Life Church
- Corner Baptist Church
- McEachern Memorial United Methodist Church
- Temple Baptist Church

Flyers

In addition, flyers were either mailed or hand-delivered between September, November, and October to be posted on the community board or provided to church members before and after church services. Some churches chose to place the December 14th meeting information in the churches' bulletins.

Door-to-door Surveys

Door-to-door visits were conducted during field visits. Citizens and business owners were provided details about the project and asked questions regarding their preferences and concerns. Limited information was also collected if the respondent was willing to complete a questionnaire. Packets of information were distributed during door-to-door surveys during the months of July, August, September, October, and November 2006.

Small Group Meetings

A small group meeting was held December 20, 2006 with a property owner/developer to discuss access issues to the southwest corner of SR 360 and SR 176. A small group meeting was held January 29, 2007 with a property owner/developer of Trinity Village Retirement Community to discuss the project in relation to their development. The property owners'/developers' concerns and preferences were noted at the meetings, and made part of the permanent project record.

Project Hotline

Throughout the duration of the project, a "project hotline" has been in operation that allows the public to call and reach a member of the project staff during regular business hours. Citizens are encouraged to provide comments and ask questions. Each call has been made a part of the permanent project record.

Based on comments received as a result of the public information meeting and other outreach activities, it is unlikely that this project would generate controversy. One hundred ninety-three (193) individuals attended the public information open house, but only 23 left comments during and after the meeting. Most respondents cited some concerns. Their concerns largely related to

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P.I. 0006049

Cobb & Paulding Counties

SR 360 FM SR 176/COBB TO SR 120/PAULDING

REQUEST FOR LOCATION & DESIGN APPROVAL

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individual property impacts, including loss of access to property due to raised median design, requests for additional median breaks, potential right-of-way impacts, project timing (would like to see improvements soon), and potential loss of rural setting and landscaping.

Public Hearing Open House Meeting

The GDOT held a Public Hearing Open House (PHOH) meeting on April 27, 2010 at Trinity Chapel Church in Powder Springs, GA. A total of 174 people attended. From those in attendance, 37 comment forms and 4 verbal statements were received. An additional 5 comments were received in the comment period following the hearing, for a total of 46 comments. Of the comments received, 26 were in support of the project, 7 were opposed to the project, 4 were uncommitted, and 9 were conditionally supportive.

The purpose of this meeting was to provide an opportunity for public comment and solicit feedback on the alternatives. Like the PIOH, the format for the hearing was informal, handouts and comment forms were located near the entrance, and court reporters were available to record verbal comments. A child activity area was provided to allow parents time to review displays and speak with project professionals.

The PHOH attendees and those persons sending in comments afterwards raised several common questions and concerns, which were largely the same as the concerns raised at the PIOH in 2006. These concerns included loss of access to property due to raised median design, requests for additional median breaks, potential right-of-way impacts to property and property values, project timing (would like to see improvements soon), requests for additional turn lanes or turn lane lengths, side road realignments (and whether they could be re-routed to intersect such as at Bullard Road North and Bullard Road South), steep grades at some driveways/access points, the need for additional signals (at Macland Springs Drive and Ansley Drive), congestion along Macland Road when considered with other ongoing improvements (i.e. Windy Hill Road/Macland Road Connector), and loss of green space.

All of the issues and comments raised during the public comment period were either answered at the hearing, addressed in the PHOH response letter, or sent to the appropriate office within the Georgia Department of Transportation for further attention.

Consistency with Approved Planning:

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

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Recommendations:

Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND: All R McManis
Director of Engineering

APPROVE: [Signature]
Chief Engineer

 4/24/12
Date

DATE OF LOCATION AND DESIGN APPROVAL: April 25, 2012
(To be entered by State Location Design Engineer)

Attachments:

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

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. ,

OFFICE

DATE

P.I. No.

FROM

TO Ronald E. Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

MNGT LET DATE

PROJECT MANAGER

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

* Costs contain % Engineering and Inspection

REASON FOR COST INCREASE

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ 26,667,338.85	(Base Estimate)
Engineering and Inspection:	\$ 1,333,366.94	(Base Estimate x 5 %)
Total Liquid AC Adjustment	\$ 3,054,734.24	(From attached worksheet)
Construction Total:	\$ 31,055,440.03	

REIMBURSABLE UTILITY COST

Utility Owner	Reimbursable Cost
Greystone Power	\$450,818.00
Paulding Co. Water Authority	\$1,202,145.00
Bellsouth	\$390,698.00

Attachments

DETAILED COST ESTIMATE



Job: 0006049

JOB NUMBER: 0006049

FED/STATE PROJECT NUMBER CSSTP-0006-00(049)

SPEC YEAR: 01

DESCRIPTION: SR 360 FM SR 176/COBB TO SR 120/PAULDING

ITEMS FOR JOB 0006049

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$2,500,000.00	TRAFFIC CONTROL - SR 360	\$2,500,000.00
0010	153-1300	1.000	EA	\$53,934.41	FIELD ENGINEERS OFFICE TP 3	\$53,934.41
0015	201-1500	1.000	LS	\$728,406.00	CLEARING & GRUBBING - SR 360	\$728,406.00
0020	208-0100	202957.000	CY	\$15.00	IN PLACE EMBANKMENT	\$3,044,355.00
0025	310-1101	226831.000	TN	\$10.08	GR AGGR BASE CRS, INCL MATL	\$2,285,785.06
0030	318-3000	6000.000	TN	\$13.23	AGGR SURF CRS	\$79,388.52
0035	402-1811	500.000	TN	\$70.00	RECYL AC LEVELING, INCL BM	\$35,000.00
0040	402-3121	108994.000	TN	\$46.93	RECYL AC 25MM SP,GP1/2,BM&HL	\$5,115,566.90
0045	402-3130	26471.000	TN	\$56.13	RECYL AC 12.5MM SP,GP2,BM&HL	\$1,485,793.41
0050	402-3190	32358.000	TN	\$55.01	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$1,779,906.80
0055	413-1000	21118.000	GL	\$2.03	BITUM TACK COAT	\$42,764.79
0060	432-5010	2000.000	SY	\$3.96	MILL ASPH CONC PVMT,VARB DEPTH	\$7,918.10
0065	500-9999	250.000	CY	\$117.76	CL B CONC,BASE OR PVMT WIDEN	\$29,440.61
0070	634-1200	744.000	EA	\$106.75	RIGHT OF WAY MARKERS	\$79,425.56
0074	643-8200	3000.000	LF	\$1.43	BARRIER FENCE (ORANGE), 4 FT	\$4,284.42
SUBTOTAL FOR ROADWAY:						\$17,271,969.58

0020 - GUARDRAIL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0075	641-1100	150.000	LF	\$51.29	GUARDRAIL, TP T	\$7,693.48
0080	641-1200	12000.000	LF	\$13.52	GUARDRAIL, TP W	\$162,291.84
0085	641-5001	38.000	EA	\$597.34	GUARDRAIL ANCHORAGE, TP 1	\$22,698.87
0090	641-5012	38.000	EA	\$1,658.99	GUARDRAIL ANCHORAGE, TP 12	\$63,041.59
SUBTOTAL FOR GUARDRAIL:						\$255,725.78

0030 - CONCRETE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0095	433-1000	600.000	SY	\$143.86	REINF CONC APPROACH SLAB	\$86,313.90
0100	441-0016	9000.000	SY	\$33.47	DRIVEWAY CONCRETE, 6 IN TK	\$301,194.45
0105	441-0104	39000.000	SY	\$15.05	CONC SIDEWALK, 4 IN	\$586,761.24
0110	441-0204	100.000	SY	\$25.14	PLAIN CONC DITCH PAVING, 4 IN	\$2,513.52
0115	441-0740	8100.000	SY	\$37.09	CONC MEDIAN, 4 IN	\$300,429.00
0120	441-4020	3800.000	SY	\$28.22	CONC VALLEY GUTTER, 6 IN	\$107,221.37
0125	441-6222	76500.000	LF	\$8.66	CONC CURB & GUTTER/ 8"X30"TP2	\$662,685.84
0130	441-6740	60900.000	LF	\$10.30	CONC CURB & GUTTER/ 8"X30" TP7	\$627,478.28
0135	620-0100	2500.000	LF	\$23.53	TEMP BARRIER, METHOD NO. 1	\$58,836.63
SUBTOTAL FOR CONCRETE:						\$2,733,434.23

DETAILED COST ESTIMATE



Job: 0006049

0040 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0140	441-0301	1.000	EA	\$1,843.75	CONC SPILLWAY, TP 1	\$1,843.75
0145	500-3800	15.000	CY	\$841.48	CL A CONC, INCL REINF STEEL	\$12,622.22
0150	550-1180	27702.000	LF	\$21.68	STM DR PIPE 18",H 1-10	\$600,596.54
0155	550-1181	469.000	LF	\$60.18	STM DR PIPE 18",H 10-15	\$28,224.42
0160	550-1240	1014.000	LF	\$33.32	STM DR PIPE 24",H 1-10	\$33,788.41
0165	550-1241	307.000	LF	\$46.40	STM DR PIPE 24",H 10-15	\$14,244.80
0170	550-1300	405.000	LF	\$49.11	STM DR PIPE 30",H 1-10	\$19,890.13
0175	550-1301	37.000	LF	\$46.94	STM DR PIPE 30",H 10-15	\$1,736.78
0180	550-1302	128.000	LF	\$57.45	STM DR PIPE 30",H 15-20	\$7,353.60
0185	550-1303	287.000	LF	\$57.80	STM DR PIPE 30",H 20-25	\$16,588.60
0190	550-1360	256.000	LF	\$62.88	STM DR PIPE 36",H 1-10	\$16,097.66
0195	550-2180	1457.000	LF	\$24.07	SIDE DR PIPE 18",H 1-10	\$35,073.97
0200	550-3418	80.000	EA	\$407.94	SAFETY END SECTION 18",SD,4:1	\$32,635.26
0205	550-4218	62.000	EA	\$436.47	FLARED END SECT 18 IN, ST DR	\$27,060.94
0210	550-4224	8.000	EA	\$497.38	FLARED END SECT 24 IN, ST DR	\$3,979.01
0215	550-4230	7.000	EA	\$613.07	FLARED END SECT 30 IN, ST DR	\$4,291.47
0220	550-4236	2.000	EA	\$955.50	FLARED END SECT 36 IN, ST DR	\$1,911.01
0225	573-2006	3000.000	LF	\$12.24	UNDDR PIPE INCL DRAIN AGGR 6"	\$36,719.88
0230	668-1100	269.000	EA	\$1,911.88	CATCH BASIN, GP 1	\$514,296.15
0235	668-1110	222.000	LF	\$73.85	CATCH BASIN, GP 1, ADDL DEPTH	\$16,395.20
0240	668-2100	16.000	EA	\$1,702.68	DROP INLET, GP 1	\$27,242.84
0245	668-4300	17.000	EA	\$1,756.89	STORM SEW MANHOLE, TP 1	\$29,867.09
0250	668-4311	30.000	LF	\$171.00	ST SEW MANHOLE,TP 1,A DEP,CL 1	\$5,130.00
SUBTOTAL FOR DRAINAGE:						\$1,487,589.73

0050 - CULVERTS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0255	207-0203	500.000	CY	\$31.20	FOUND BK FILL MATL, TP II	\$15,600.54
0260	500-3101	860.000	CY	\$451.10	CLASS A CONCRETE	\$387,950.23
0265	511-1000	85800.000	LB	\$0.60	BAR REINF STEEL	\$51,129.94
0270	960-0550	79.000	LF	\$5,254.63	PRECAST THREE SIDED CULV., SINGLE BARR SR 360	\$415,115.92
SUBTOTAL FOR CULVERTS:						\$869,796.63

0060 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0275	632-0003	4.000	EA	\$1,793.09	CHANGEABLE MESS SIGN,PORT,TP 3	\$7,172.36
0280	636-1020	1032.000	SF	\$13.00	HWY SGN,TP1MAT,REFL SH TP3	\$13,417.99
0285	636-1029	272.000	SF	\$13.50	HWY SGN,TP2 MATL,REFL SH TP 3	\$3,671.64
0290	636-1033	1520.000	SF	\$17.23	HWY SIGNS, TP1MAT,REFL SH TP 9	\$26,189.58
0295	636-2070	5267.000	LF	\$6.28	GALV STEEL POSTS, TP 7	\$33,088.45
0300	636-2080	320.000	LF	\$8.85	GALV STEEL POSTS, TP 8	\$2,830.89
0305	636-2090	310.000	LF	\$6.76	GALV STEEL POSTS, TP 9	\$2,096.98
0310	639-2002	2452.000	LF	\$3.13	STEEL WIRE STRAND CABLE, 3/8"	\$7,662.65
0315	639-4003	20.000	EA	\$6,000.00	STRAIN POLE, TP III	\$120,000.00
0320	653-0110	11.000	EA	\$65.70	THERM PVMT MARK, ARROW, TP 1	\$722.68
0325	653-0120	339.000	EA	\$69.32	THERM PVMT MARK, ARROW, TP 2	\$23,500.73
0330	653-0130	10.000	EA	\$86.88	THERM PVMT MARK, ARROW, TP 3	\$868.84
0335	653-0160	39.000	EA	\$110.00	THERM PVMT MARK, ARROW, TP 6	\$4,290.00
0340	653-0170	42.000	EA	\$79.62	THERM PVMT MARK, ARROW, TP 7	\$3,344.09
0345	653-1704	1500.000	LF	\$3.35	THERM SOLID TRAF STRIPE,24",WH	\$5,018.34
0350	653-2501	22.000	LM	\$1,330.55	THERMO SOLID TRAF ST, 5 IN, WH	\$29,272.10
0355	653-2502	17.000	LM	\$1,398.71	THERMO SOLID TRAF ST, 5 IN YE	\$23,778.13
0360	653-2804	4.000	LM	\$6,211.63	THERM SOLID TRAF STRIPE, 8",WH	\$24,846.53
0365	653-4501	16.000	GLM	\$983.60	THERMO SKIP TRAF ST, 5 IN, WHI	\$15,737.62
0370	653-6004	9000.000	SY	\$2.50	THERM TRAF STRIPING, WHITE	\$22,491.99
0375	653-6006	2800.000	SY	\$2.63	THERM TRAF STRIPING, YELLOW	\$7,354.84
0380	654-1001	274.000	EA	\$3.26	RAISED PVMT MARKERS TP 1	\$894.43
0385	654-1003	6910.000	EA	\$2.76	RAISED PVMT MARKERS TP 3	\$19,038.71
0390	657-1085	420.000	LF	\$5.86	PRF PL SD PVT MKG,8",B/W,TP PB	\$2,459.33
0395	657-3085	420.000	GLF	\$3.06	PRF PL SK PVMT MKG,8",B/W,TPPB	\$1,286.48
0400	657-6085	420.000	LF	\$6.21	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$2,609.07
SUBTOTAL FOR SIGNING AND MARKING:						\$403,644.45

DETAILED COST ESTIMATE



Job: 0006049

0070 - SIGNALS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0403	615-1200	4130.000	LF	\$6.00	DIRECTIONAL BORE - INCLUDES 3" AND 5"	\$24,781.03
0404	636-1041	366.000	SF	\$37.79	HWY SIGNS, TP 2MAT, REFL SH TP 9	\$13,832.95
0405	639-3004	31.000	EA	\$10,701.73	STEEL STRAIN POLE, TP IV INCLUDES MAST ARMS FROM 40' TO 80'	\$331,753.64
0409	647-1000	1.000	LS	\$880,000.00	TRAF SIGNAL INSTALLATION NO - INCLUDES SIGNALS 1 TO 8	\$880,000.00
0410	647-2140	8.000	EA	\$979.30	PULL BOX, PB-4	\$7,834.41
0411	682-6233	6950.000	LF	\$1.17	CONDUIT, NONMETL, TP 3, 2 IN	\$8,143.73
0412	937-6050	30.000	EA	\$3,817.94	INT VIDEO DET SYS ASMBLY, TP A	\$114,538.15
0413	938-1200	8.000	EA	\$1,210.00	PROGRAMMING MONITOR, TYPE A	\$9,680.00
0414	939-1162	8.000	EA	\$1,300.00	FIBER OPTIC EXT TRNSCVR, DRP&RPT, 1310 SMD	\$10,400.00
SUBTOTAL FOR SIGNALS:						\$1,400,963.91

0080 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0415	163-0232	34.000	AC	\$1.97	TEMPORARY GRASSING	\$67.10
0420	163-0240	302.000	TN	\$201.88	MULCH	\$60,967.79
0425	163-0300	50.000	EA	\$976.65	CONSTRUCTION EXIT	\$48,832.34
0430	163-0520	500.000	LF	\$13.89	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$6,945.10
0435	163-0531	10.000	EA	\$8,275.86	CONSTR & REM SEDIMENT BASIN, TP 1, STA NO- SR 360	\$82,758.64
0440	163-0550	250.000	EA	\$88.08	CONS & REM INLET SEDIMENT TRAP	\$22,020.19
0445	165-0010	4000.000	LF	\$0.46	MAINT OF TEMP SILT FENCE, TP A	\$1,857.28
0450	165-0030	25000.000	LF	\$0.79	MAINT OF TEMP SILT FENCE, TP C	\$19,675.25
0455	165-0060	10.000	EA	\$994.63	MAINT OF TEMP SEDIMENT BASIN, STA NO -	\$9,946.31
0460	165-0101	50.000	EA	\$465.14	MAINT OF CONST EXIT	\$23,256.93
0465	165-0105	250.000	EA	\$38.22	MAINT OF INLET SEDIMENT TRAP	\$9,554.56
0470	167-1000	2.000	EA	\$382.56	WATER QUALITY MONITORING AND SAMPLING	\$765.13
0475	167-1500	48.000	MO	\$593.83	WATER QUALITY INSPECTIONS	\$28,503.98
0480	170-1000	380.000	LF	\$6.85	FLOAT SILT RETENTION BARRIER	\$2,603.00
0485	171-0010	8000.000	LF	\$1.71	TEMPORARY SILT FENCE, TYPE A	\$13,681.20
0490	171-0030	50000.000	LF	\$2.89	TEMPORARY SILT FENCE, TYPE C	\$144,590.50
0495	603-2182	600.000	SY	\$42.94	STN DUMPED RIP RAP, TP 3, 24"	\$25,764.71
0500	603-7000	600.000	SY	\$3.63	PLASTIC FILTER FABRIC	\$2,175.67
0505	700-6910	68.000	AC	\$362.36	PERMANENT GRASSING	\$24,640.33
0510	700-7000	201.000	TN	\$8.05	AGRICULTURAL LIME	\$1,617.51
0520	700-8000	67.000	TN	\$406.70	FERTILIZER MIXED GRADE	\$27,248.73
0525	700-8100	3351.000	LB	\$2.13	FERTILIZER NITROGEN CONTENT	\$7,124.53
0530	715-2200	300.000	SY	\$2.00	BITUM TRTD ROVING, WATERWAYS	\$600.43
0535	716-2000	60000.000	SY	\$0.99	EROSION CONTROL MATS, SLOPES	\$59,544.00
SUBTOTAL FOR EROSION CONTROL:						\$624,741.21

0090 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0540	500-0100	1500.000	SY	\$9.69	GROOVED CONCRETE	\$14,536.65
0545	500-1006	1.000	LS	\$432,000.00	SUPERSTR CONCRETE, CL AA, BR NO - 1	\$432,000.00
0550	500-2100	300.000	LF	\$35.46	CONCRETE BARRIER	\$10,636.88
0555	500-3002	170.000	CY	\$570.07	CL AA CONCRETE	\$96,911.15
0560	507-9001	1000.000	LF	\$98.14	PSC BEAMS, AASHTO TP I, BR NO - 1	\$98,140.00
0565	507-9030	1000.000	LF	\$141.33	PSC BEAMS, AASHTO, BULB TEE, 54"	\$141,333.21
0570	511-1000	31245.000	LB	\$0.64	BAR REINF STEEL	\$20,063.98
0575	511-3000	1.000	LS	\$94,000.00	SUPERSTR REINF STEEL, BR NO - 1	\$94,000.00
0580	520-1147	500.000	LF	\$64.08	PIL-IN-PL, STEEL H, HP 14 X 73	\$32,040.00
0585	520-4147	1.000	EA	\$0.89	LOAD TEST, STEEL H, HP 14 X 73	\$0.89
0590	524-0010	100.000	LF	\$794.48	DRILLED CAISSON - SR 360	\$79,447.75
0595	603-2024	2000.000	SY	\$32.76	STN DUMPED RIP RAP, TP 1, 24"	\$65,513.36
0600	603-7000	2000.000	SY	\$3.31	PLASTIC FILTER FABRIC	\$6,611.00
SUBTOTAL FOR BRIDGE:						\$1,091,234.87

DETAILED COST ESTIMATE



Job: 0006049

0100 - WALLS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0605	500-3110	401.000	LF	\$351.00	CLASS A CONCRETE, TYPE P1, RETAINING WAL	\$140,751.00
0610	500-3115	705.000	LF	\$425.00	CLASS A CONCRETE, TYPE P2, RETAINING WAL	\$299,625.00
0615	500-3120	151.000	LF	\$541.00	CLASS A CONCRETE, TYPE P3, RETAINING WAL	\$81,691.00
0620	500-3201	17.000	CY	\$363.03	CL B CONC, RET WALL	\$6,171.46
SUBTOTAL FOR WALLS:						\$528,238.46

TOTALS FOR JOB 0006049

ITEMS COST:	\$26,667,338.85
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$26,667,338.85
CONTINGENCY PERCENT:	0.05
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$28,000,705.79

PROJ. NO.

CSSTP-0006-00(049)

CALL NO.

P.I. NO.

0006049

DATE

10/28/2011

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-11	\$ 3.260
DIESEL		\$ 3.770
LIQUID AC		\$ 563.00

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)				2842975.47		\$ 2,842,975.47
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80		
Monthly Asphalt Cement Price month project let (APL)			\$	563.00		
Total Monthly Tonnage of asphalt cement (TMT)				8416.15		

ASPHALT	Tons	%AC	AC ton
Leveling	500	5.0%	25
12.5 OGFC		5.0%	0
12.5 mm	26471	5.0%	1323.55
9.5 mm SP		5.0%	0
25 mm SP	108994	5.0%	5449.7
19 mm SP	32358	5.0%	1617.9
	168323		8416.15

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$ 30,639.79		\$ 30,639.79
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	900.80		
Monthly Asphalt Cement Price month project let (APL)			\$	563.00		
Total Monthly Tonnage of asphalt cement (TMT)				90.70394127		

Bitum Tack

Gals	gals/ton	tons
21118	232.8234	90.7039413

PROJ. NO.

CSSTP-0006-00(049)

CALL NO.

P.I. NO.

0006049

DATE

10/28/2011

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					181118.977		\$ 181,118.98
Monthly Asphalt Cement Price month placed (APM)			Max. Cap	60%	\$ 900.80		
Monthly Asphalt Cement Price month project let (APL)					\$ 563.00		
Total Monthly Tonnage of asphalt cement (TMT)					536.1722232		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	25523	0.20	5104.6	232.8234	21.92477217
Double Surf.Trmt.	272111	0.44	119728.84	232.8234	514.2474511
Triple Surf. Trmt		0.71	0	232.8234	0
					536.1722232

TOTAL LIQUID AC ADJUSTMENT						\$ 3,054,734.24
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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE **OFFICE** District Seven Utilities
DATE October 7, 2011

FROM Jonathan Walker, District Utilities Engineer

TO Chandria Brown, P.E., Program Delivery

SUBJECT **Preliminary Utility Cost Estimate (Revised)**
CSSTP-0006-00(049) Paulding/Cobb Counties
P.I. No. 0006049

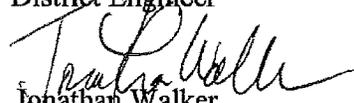
As per your request, we are furnishing you with a revised Preliminary Utility Cost Estimate for the above referenced project.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Greystone Power		\$ 450,818.00
Atlanta Gas Light Co.	\$ 768,321.00	
Paulding Co. Water Authority	\$4,075,272.00	\$1,202,145.00
BellSouth		\$390,698.00
Comcast Cable	No Cost	
<hr/>		
Totals	\$4,843,593.00	\$2,043,661.00
Total Preliminary Utility Cost Estimate	\$6,887,254.00	

If you have any questions, please contact Mr. Clyde Cunningham at (770) 986-1117.

Sincerely,

Bryant Poole
District Engineer



For: Jonathan Walker
District Utilities Engineer

BP:JW:CAC

c: Jeff Baker, P.E.
File

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 10/18/2011
Revised:

Project: CSSTP-0006-00(049)
County: Cobb & Paulding
PI: 0006049

Description: SR 120 to SR 176
Project Termini: SR 120 to SR 176

Parcels: 254
Existing ROW: Varies
Required ROW: Varies

Land and Improvements \$16,043,250.00

Proximity Damage	\$800,000.00
Consequential Damage	\$517,800.00
Cost to Cures	\$400,000.00
Trade Fixtures	\$0.00
Improvements	\$2,350,000.00

Valuation Services \$543,750.00

Legal Services \$1,633,950.00

Relocation \$1,278,000.00

Demolition \$835,000.00

Administrative \$2,215,500.00

TOTAL ESTIMATED COSTS \$22,549,450.00

TOTAL ESTIMATED COSTS (ROUNDED) \$22,550,000.00

Preparation Credits	Hours	Signature

Prepared By:

Lashone Alexander

CG#: 286999

10/18/11

Approved By:

Lashone Alexander

CG#: 286999

10/18/11

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT CSSTP-0006-00(049)

P.I. NO. 0006049

Paulding and Cobb Counties

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 April 25, 2012.

The project is located in Cobb and Paulding Counties, proposes to reconstruct SR 360 from a two-lane facility to a four-lane, median divided facility with curb and gutter, and sidewalks. The project extends from SR120/Charles Hardy Parkway to Lost Mountain Road (SR176). The project is located in Paulding and Cobb Counties in Land Lots 317, 330, 331, 332, 371, 390, 391, 392, 393, 395, 397, 398, 399, 400, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 510.

The project proposes to widen the existing roadway either to the left or right of existing in order to minimize impacts to adjacent properties and environmental resources. The proposed typical section includes two 12-foot lanes in each direction, separated by a 20-foot raised grass median with curb and gutter, and five foot sidewalks on both sides of the roadway. The proposed project length is approximately 6.2 miles long with 3.1 miles in Paulding County and 3.1 miles in Cobb County. The speed limit on SR 360 is 45 mph. The existing triple 10-foot by 9-foot culvert at Powder Springs Creek is to be replaced with a new bridge. The existing double 8-foot by 6-foot box culvert at Florence Branch is to be replaced with a 3-sided bottomless culvert. Six sidestreets are proposed to be realigned to improve skewed intersections – Ragsdale Road, Old Mill Road, Old Atlanta Road, Macland Circle, Bullard Road (South), and Bullard Road (North).

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:

Sebastian Nesbitt
District 7 – Area 2 Engineer
snesbitt@dot.ga.gov
1269 Kennestone Circle
Marietta, GA 30066
(770) 528-3238

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:

Bobby K. Hilliard, P.E., State Program Delivery Engineer
Office of Program Delivery
bhilliard@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street
Atlanta, GA 30308
(404) 631-1122

Any written request or communication in reference to this project SHOULD include the Project and P.I. Numbers as noted at the top of this notice.