

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

---

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

**FILE** P.I. #0001817                      **OFFICE** Design Policy & Support  
STP00-0001-00(817)  
Clayton County                              **DATE** January 4, 2010  
CR 1516 Grade Sep @ NS RR  
- GRTA

**FROM**  Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED NOTICE OF LOCATION AND DESIGN

Attached is the approved Location and Design Report for the above subject project.

Also attached is the Notice of Location and Design Approval. This is the Authorization for the District to proceed with advertisement.

Attachment

DISTRIBUTION:

Ron Wishon, State Project Review Engineer  
Glenn Bowman, State Environmental Administrator  
Ken Thompson, Statewide Location Bureau Chief  
Michael Henry, Systems & Classification Branch Chief  
Keith Golden, State Traffic Operations Engineer  
Angela Alexander, State Transportation Planning Administrator  
Paul Liles, State Bridge Engineer  
Bobby Hilliard, State Program Delivery Engineer  
Mike Lobdell, Chamblee District Preconstruction Engineer  
Bryant Poole, Chamblee District Engineer  
Ernay Robinson, Project Manager  
BOARD MEMBER



Certification for the PFPR was completed on August 28, 2009

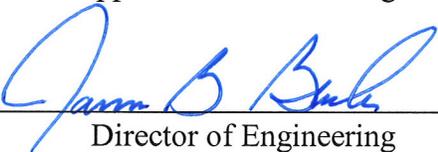
**Public Involvement:**

- Public Open House Results:
  - Public Open House was held July 14, 2005 at Hendrix Elementary School, 4475 Hendrix Drive Forest Park, GA from 5:00 – 7:00 pm.
  - A total of 28 comments were received. A total of 0 comments were received during the ten day comment period following the hearing.
  - 5 comments opposed the project, 11 comments supported the project, 5 comments were uncommitted, and 8 were conditionally supportive of the project.
  - Approximately 137 people attended.
  - No officials were in attendance.
  - Public Open House was held jointly with the Public Open House for the STP00-9010-00(002) and NHIM0-0285-01(288) project. Comments were in regard to one or all of projects.
  
- Public Hearing Results:
  - Public Hearing held February 24, 2009 at Hendrix Elementary School, 4475 Hendrix Drive Forest Park, GA from 4:00 – 7:00 pm.
  - A total of 16 comments were received. A total of 1 comment was received during the ten day comment period following the hearing.
  - 4 comments opposed the project, 4 comments supported the project, 4 comments were uncommitted, and 4 were conditionally supportive of the project.
  - Approximately 99 people attended.
  - 6 officials were in attendance.
  - 1 major concern- several businesses on Old Dixie Road want through traffic as opposed to the hammerheads, otherwise they expect to lose business.
  - The Public Hearing was held jointly with the Public Hearing for the STP00-9010-00(002) and NHIM0-0285-01(288) project. Comments were in regard to one or all projects.

**Consistency with Approved Planning:**

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

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

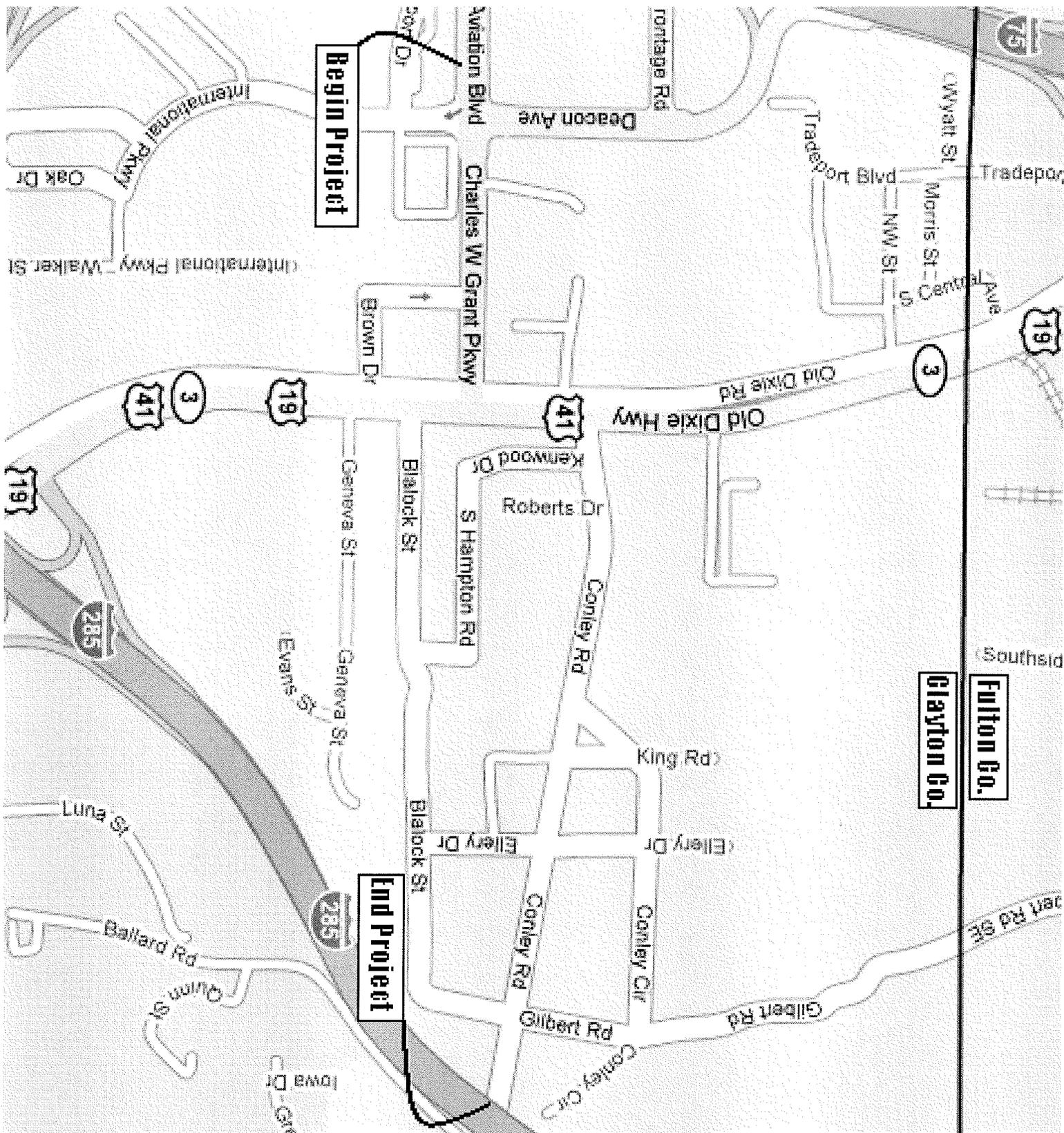
RECOMMEND:   
Director of Engineering

APPROVE:   
Chief Engineer

12/20/09  
Date

Attachments:

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



NOTICE OF LOCATION AND DESIGN APPROVAL

STP00-0001-00(817) Clayton County  
P. I. 0001817

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is January 4, 2010

The projects are located in unincorporated Clayton County approximately 0.8 mile to the east of Hartsfield-Jackson International Airport along C.W. Grant Parkway. Project STP-9010(2), P.I. No. 752180 is proposed to widen and reconstruct Conley Road from SR 3/Old Dixie Road to SR 54/Jonesboro Road. This project will be phased to include project STP-0001-00(817), P.I. No. 0001817 and project NH-IM-285-1(288) P.I. No. 712430. The first phase to be constructed will be Project P.I. No. 0001817 which proposes to grade separate C.W. Grant Parkway with widened and realigned Conley Road under the Norfolk Southern Railroad and Old Dixie Highway. This phase also proposes to relocate and widen Old Dixie Road to the east approximately 600 feet. The length of phase one is 1.13 miles. Project P.I. No. 712430 proposes to reconstruct the bridge at I-285 and Conley Road and will be done during the second phase (P.I. No. 752180) which will encompass the remaining widening portion of Conley Road east to Jonesboro Road. The length of phase two is 1.13 miles. The proposed projects satisfy the stated Need and Purpose in that they propose more lanes, the grade separation of a dangerous at-grade railroad crossing, and the unrestricting of east and west traffic movements between International Boulevard and Jonesboro Road. The projects termini are logical due to the significant drop in traffic at the east and west end of the project.

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:

*Michael K. Hill*  
E-mail [michill@dot.ga.gov](mailto:michill@dot.ga.gov)  
Georgia Department of Transportation  
4125 Roosevelt Highway  
College Park, Georgia 30349  
(404)559-6699

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:

*Ernay Robinson-Perry*  
Office of Program Delivery  
E-mail [erobinson@dot.ga.gov](mailto:erobinson@dot.ga.gov)  
4125 Roosevelt Highway

*College Park, Georgia 30349  
(404)559-6690*

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.

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

-----  
INTERDEPARTMENT CORRESPONDENCE

**FILE** PROJECT No. STP00-0001-00(817), Clayton  
CR 1516 Grade Sep @NS RR; Inc Conley Rd &  
SR 8 Reloc  
P.I. No. 0001817

**OFFICE** Urban Design

**DATE** 9/3/2009

**FROM** James B. Buchan, P.E., State Urban Design Engineer

**TO** Ron E. Wishon, State Project Review Engineer

**SUBJECT** REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Ernay Robinson

MNGT LET DATE 2/1/2012

DESIGN PHASE LEADER Jan Hilliard

MNGT R/W DATE 12/15/2009

**PROGRAMMED COST (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$33,189,337

DATE 1/6/2009

RIGHT OF WAY \$7,936,900

DATE 1/6/2009

UTILITIES \$0

DATE 1/6/2009

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$29,775,924

RIGHT OF WAY \$7,936,900 (By Locals)

UTILITIES\*\* \$5,265,000 (By Locals)

\* Costs contain 5% Engineering and Inspection and 8% Construction Contingencies and Fuel and Liquid AC Adjustments.

\*\* Costs contain 30% contingency.

**REASON FOR COST INCREASE** Preliminary Field Plan Review Cost Estimate

**CONTINGENCY SUMMARY**

Construction Cost Estimate:	\$24,696,293	(Base Estimate)
Engineering and Inspection:	\$1,234,815	(Base Estimate x 5 %)
Construction Contingency:	\$740,889	(Base Estimate x 3 %) (Reconstruction with Added Capacity=3%) (The Construction Contingency is based on the Project Improvement Type in TPro.)
Total Fuel Adjustment	\$ 1,225,660	(From attached worksheet)
Total Liquid AC Adjustment	\$ 1,878,267	(From attached worksheet)
<b>Construction Total:</b>	<b>\$29,775,924</b>	
Utility Cost Estimate:	\$4,050,000	
Utility Contingency:	\$1,215,000	30 %
<b>Utility Total:</b>	<b>\$5,265,000</b>	

**REIMBURSABLE UTILITY COST**

Utility Owner	Reimbursable Costs
Georgia Power Transmission	\$4,050,000
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

JBB:TLL

Attachments

cc: Genetha Rice - Singleton, Assistant Director of Preconstruction  
 Angela Whitworth, Financial Management Administrator  
 Bobby Hilliard, Attn: Ernay Robinson

## Estimate Report for file "0001817\_2007-11-02\_2008-03-24\_2008-12-12\_2009-08-19"

### Section ROADWAY ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-0000	202600	CY	15.00	ROCK EXCAVATION	3039000.00
150-1000	1	LS	2000000.00	TRAFFIC CONTROL -	2000000.00
150-5010	10	EA	8965.72	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	89657.20
153-1300	1	EA	73914.48	FIELD ENGINEERS OFFICE TP 3	73914.48
201-1500	1	LS	1000000.00	CLEARING & GRUBBING -	1000000.00
205-0001	56300	CY	2.47	UNCLASS EXCAV	139061.00
206-0002	184100	CY	2.98	BORROW EXCAV, INCL MATL	548618.00
310-1101	92440	TN	17.04	GR AGGR BASE CRS, INCL MATL	1575177.60
318-3000	50	TN	21.39	AGGR SURF CRS	1069.50
402-1812	1000	TN	66.70	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	66700.00
402-3121	49755	TN	59.47	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2958929.85
402-3130	11870	TN	64.13	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	761223.10
402-3190	16066	TN	67.77	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1088792.82
413-1000	20952	GL	2.00	BITUM TACK COAT	41904.00
432-5010	25207	SY	1.16	MILL ASPH CONC PVMT, VARIABLE DEPTH	29240.12
433-1100	325	SY	140.78	REINF CONC APPROACH SLAB, INCL CURB	45753.50
441-0104	14350	SY	30.72	CONC SIDEWALK, 4 IN	440832.00
441-0300	1	EA	1000.00	CONC SPILLWAY, SPCL DES	1000.00
441-0740	9000	SY	32.91	CONCRETE MEDIAN, 4 IN	296190.00
441-0754	900	SY	54.56	CONCRETE MEDIAN, 7 1/2 IN	49104.00
441-4030	1441	SY	43.89	CONC VALLEY GUTTER, 8 IN	63245.49
441-6222	35315	LF	14.96	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	528312.40
441-6740	16658	LF	13.12	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	218552.96
446-1100	1500	LF	4.57	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	6855.00
500-9999	2595	CY	192.85	CLASS B CONC, BASE OR PVMT WIDENING	500445.75
550-1180	12000	LF	36.27	STORM DRAIN PIPE, 18 IN, H 1-10	435240.00
550-1240	3150	LF	41.79	STORM DRAIN PIPE, 24 IN, H 1-10	131638.50
550-1300	100	LF	53.29	STORM DRAIN PIPE, 30 IN, H 1-10	5329.00
550-1360	40	LF	62.22	STORM DRAIN PIPE, 36 IN, H 1-10	2488.80
550-1420	500	LF	87.72	STORM DRAIN PIPE, 42 IN, H 1-10	43860.00
550-4118	1	EA	379.53	FLARED END SECTION 18 IN, SIDE DRAIN	379.53
550-4124	5	EA	530.00	FLARED END SECTION 24 IN, SIDE DRAIN	2650.00
550-4242	1	EA	1976.33	FLARED END SECTION 42 IN, STORM DRAIN	1976.33
603-2024	158	SY	45.91	STN DUMPED RIP RAP, TP 1, 24 IN	7253.78
603-7000	158	SY	3.80	PLASTIC FILTER FABRIC	600.40
610-6545	3	EA	500.00	REMOVE HISTORIC MARKER, CAST IRON	1500.00
611-5380	3	EA	500.00	RESET HISTORIC MARKER, CAST IRON	1500.00
620-0100	1000	LF	26.46	TEMPORARY BARRIER, METHOD NO. 1	26460.00
634-1200	255	EA	93.93	RIGHT OF WAY MARKERS	23952.15
641-1100	21	LF	52.35	GUARDRAIL, TP T	1099.35
641-1200	5550	LF	17.89	GUARDRAIL, TP W	99289.50
641-5001	12	EA	673.15	GUARDRAIL ANCHORAGE, TP 1	8077.80
641-5012	9	EA	1762.58	GUARDRAIL ANCHORAGE, TP 12	15863.22
643-8200	300	LF	2.21	BARRIER FENCE (ORANGE), 4 FT	663.00
668-1100	140	EA	2429.74	CATCH BASIN, GP 1	340163.60
668-2100	15	EA	2360.78	DROP INLET, GP 1	35411.70
668-4300	1	EA	2269.90	STORM SEWER MANHOLE, TP 1	2269.90

**Section Sub Total: \$16,751,245.33**

### Section BRIDGES, RAILROAD, & WALLS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-0000	6657	SF	75.00	Roadway Bridge 136ft 4in x 48ft 10in	499275.00
000-0000	4908	SF	280.00	Railroad Bridge 136ft 4in x 36ft	1374240.00
000-0000	1	Lump Sum	2000000.00	RAILROAD DETOUR	2000000.00
232-0001	1	LS	500000.00	RAILROAD WARNING DEVICES (BREWERY SPUR AND TEMP XING-PRE EMP)	500000.00
232-4000	5231	TN	33.70	SUB-BALLAST FOR DETOUR	176284.70
621-4022	40	LF	507.51	CONCRETE SIDE BARRIER, TYPE 2B WALL 1	20300.40
627-1000	233	SF	42.00	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 4	9786.00
627-1000	130	SF	42.00	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 2	5460.00
627-1000	616	SF	42.00	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 3	25872.00
627-1010	3114	SF	42.83	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 2	133372.62
627-1010	2439	SF	42.83	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 4	104462.37
627-1010	4045	SF	42.83	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 3	173247.35

627-1020	7911	SF	54.67	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 3	432494.37
627-1020	9261	SF	54.67	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 2	506298.87
627-1030	12048	SF	54.68	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 2	658784.64
627-1030	9004	SF	54.68	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 3	492338.72
627-1100	180	LF	68.86	COPING A, WALL NO - 4	12394.80
627-1100	940	LF	68.86	COPING A, WALL NO - 3	64728.40
627-1100	987	LF	68.86	COPING A, WALL NO - 2	67964.82
<b>Section Sub Total:</b>					<b>\$7,257,305.06</b>

### Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	27	AC	283.37	TEMPORARY GRASSING	7650.99
163-0240	72	TN	129.90	MULCH	9352.80
441-0204	1346	SY	35.18	PLAIN CONC DITCH PAVING, 4 IN	47352.28
700-6910	18	AC	674.07	PERMANENT GRASSING	12133.26
700-7000	54	TN	60.51	AGRICULTURAL LIME	3267.54
700-7010	45	GL	20.53	LIQUID LIME	923.85
700-8000	11	TN	409.57	FERTILIZER MIXED GRADE	4505.27
700-8100	900	LB	2.30	FERTILIZER NITROGEN CONTENT	2070.00
715-2200	280	SY	1.47	BITUMINOUS TREATED ROVING, WATERWAYS	411.60
716-1000	308	SY	2.12	EROSION CONTROL MATS, WATERWAYS	652.96
716-2000	26043	SY	0.95	EROSION CONTROL MATS, SLOPES	24740.85
<b>Section Sub Total:</b>					<b>\$113,061.40</b>

### Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0300	10	EA	1148.70	CONSTRUCTION EXIT	11487.00
163-0520	1494	LF	12.55	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	18749.70
163-0530	1140	LF	2.42	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	2758.80
163-0550	156	EA	188.29	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	29373.24
165-0030	22855	LF	0.66	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	15084.30
165-0070	570	LF	2.83	MAINTENANCE OF BALED STRAW EROSION CHECK	1613.10
165-0101	10	EA	481.34	MAINTENANCE OF CONSTRUCTION EXIT	4813.40
165-0105	156	EA	78.69	MAINTENANCE OF INLET SEDIMENT TRAP	12275.64
167-1000	4	EA	460.30	WATER QUALITY MONITORING AND SAMPLING	1841.20
167-1500	24	MO	685.80	WATER QUALITY INSPECTIONS	16459.20
171-0030	45710	LF	2.95	TEMPORARY SILT FENCE, TYPE C	134844.50
<b>Section Sub Total:</b>					<b>\$249,300.08</b>

### Section SIGNAL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
639-4003	8	EA	8538.00	STRAIN POLE, TP III	68304.00
647-1000	1	LS	120000.00	TRAFFIC SIGNAL INSTALLATION NO -	120000.00
<b>Section Sub Total:</b>					<b>\$188,304.00</b>

### Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	489	SF	16.83	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	8229.87
636-1033	224	SF	21.63	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	4845.12
636-2070	1702	LF	9.37	GALV STEEL POSTS, TP 7	15947.74
653-0110	11	EA	68.95	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	758.45
653-0120	121	EA	76.51	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	9257.71
653-0210	50	EA	108.98	THERMOPLASTIC PVMT MARKING, WORD, TP 1	5449.00
653-1501	52719	LF	0.54	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	28468.26
653-1502	30020	LF	0.53	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	15910.60
653-1704	672	LF	3.70	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	2486.40
653-1804	8650	LF	1.73	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	14964.50
653-6004	9088	SY	3.14	THERMOPLASTIC TRAF STRIPING, WHITE	28536.32
653-6006	751	SY	2.96	THERMOPLASTIC TRAF STRIPING, YELLOW	2222.96
<b>Section Sub Total:</b>					<b>\$137,076.93</b>

**Total Estimated Cost: \$24,696,292.80**

**Subtotal Construction Cost      \$24,696,292.80**

E&C Rate 0.0 %                      \$0.00

Inflation Rate 0.0 % @ 0 Years \$0.00

---

**Total Construction Cost \$24,696,292.80**

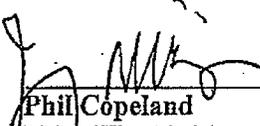
Right Of Way \$7,936,900.00

ReImb. Utilities \$5,265,000.00

---

**Grand Total Project Cost \$37,898,192.80**

# Preliminary Right of Way Cost Estimate

  
**Phil Copeland**  
 Right of Way Administrator  
 By: Jerry Milligan

Date: December 17, 2008  
 Project: STP-0001-00(817)Clayton UPDATE  
 Existing/Required R/W: Varies/Varies  
 Project Termini : Conley Road from Old Dixie Hwy to I-285  
 Project Description: Conley Road Widening Project

P.I. Number: 0001817  
 No. Parcels:

Land: Residential R/W: 6.75 acres @ \$ 53,000/acre	\$	357,750	
Residential Esmt: 6.05 acres @ \$ 53,000/acre @ 50%		160,325	
Commercial R/W: 2.7 acres @ \$ 148,100/acre		399,870	
Commercial Esmt: 2.42 acre @ \$ 148,100/acre @ 50%		179,201	
Industrial R/W: 4.05 acres @ \$110,000/acre		445,500	
Industrial Esmt: 3.63 acre @ \$ 110,000/acre @ 50%		<u>199,650</u>	\$ 1,742,296
Improvements : businesses, misc. site improvements			1,200,000
Relocation: Commercial (7)			
Residential (0)			175,000
Damage : Proximity (2)	\$	75,000	
Consequential			
Cost to Cure(7)		<u>250,000</u>	<u>325,000</u>
Net Cost			\$ 3,442,296
Net Cost			\$ 3,442,296
Scheduling Contingency	55 %		1,893,263
Adm/Court Cost	60 %		<u>2,601,335</u>
			\$ 7,936,894

**Total Cost \$7,936,900**

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP00-0001-00(817) Clayton  
P.I. No. 0001817

**FROM** Rachel Brown  
District Engineer

**TO** Jan Hilliard, Office of Urban Design  
**ATTN** Teresa Lannon

**OFFICE** District 7  
Chamblee

**DATE** July 28, 2009

**SUBJECT** PRELIMINARY UTILITY COST (ESTIMATE)

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

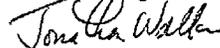
FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light Company	\$278,000.00	\$0
AT&T/Formerly BellSouth	\$ 67,000.00	\$0
Clayton County Water & Sewer	\$ 50,000.00	\$0
Comcast Comm.	\$ 42,000.00	\$0
Georgia Power Transmission	\$0	\$4,050,000.00
Georgia Power Distribution	\$300,000.00	\$0
<b>Totals</b>	<b>\$737,000.00</b>	<b>\$4,050,000.00</b>
30% Utilities Contingency:		\$1,215,000.00
<b>Total Reimbursement Cost:</b>		<b>\$5,265,000.00</b>

Total reimbursable cost for the above project is \$5,265,000.00.

If you have any questions, please contact Yulonda Pride-Foster at 770-986-1117.

Sincerely,

Rachel Brown  
District Engineer



By: Jonathan Walker  
District Utilities Engineer

RB/JW/YPF

C: Jeff Baker, P.E., State Utilities Engineer  
Angela Whitworth, Office of Financial Management  
Loren Bartlet, Assistant Area Engineer-Construction  
Ernay Robinson, Associate Project Manager

PROJ. NO.	STP00-0001-00(817)
P.I. NO.	0001817-
DATE	9/3/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Aug-09	\$ 2.436
DIESEL		\$ 2.506
LIQUID AC		\$ 389.00

**LIQUID AC ADJUSTMENTS**

PA=(((APM-APL)/APL)-0.05)xTMTxAPL

Asphalt				
Price Adjustment (PA)				\$ 1,836,647.94
Monthly Asphalt Cement Price month placed (APM)			125%	\$ 875.25
Monthly Asphalt Cement Price month project let (APL)				\$ 389.00
Total Monthly Tonnage of asphalt cement (TMT)				3934.55

ASPHALT	Tons	%AC	AC ton
Leveling	1000	5.0%	50
12.5 OGFC	0	5.0%	0
12.5 mm	11870	5.0%	593.5
9.5 mm SP	0	5.0%	0
25 mm SP	49755	5.0%	2487.75
19 mm SP	16066	5.0%	803.3
	<b>78691</b>		<b>3934.55</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)				\$ 41,618.70
Monthly Asphalt Cement Price month placed (APM)			125%	\$ 875.25
Monthly Asphalt Cement Price month project let (APL)				\$ 389.00
Total Monthly Tonnage of asphalt cement (TMT)				89.15744681

Bitum Tack			
Gals	gals/ton	tons	
20952	235	89.1574468	

**TOTAL LIQUID AC ADJUSTMENT** \$ 1,878,266.64

PROJ. NO.

STP00-0001-00(817)

P.I. NO.

0001817-

DATE

9/3/2009

**FUEL ADJUSTMENTS - ROADWAY**

FPA = (((FPM-FPL)/FPL)-.10)xQx(F)FPL

**GRADED AGGREGATE BASE**

Fuel Price Adjustment (FPA)

Monthly Fuel Price for month work was accomplished (FPM)

Monthly Fuel Price for month when project was let (FPL)

Quantity Placed (Q)

Fuel Usage Factor (F)

Max. Cap

\$ 62,150.74

\$ 5,481

\$ 2,436

125%

0.24

0.29

77,256.82

5,639

2,506

TOTALS

139,407.56

**ASPHALT**

Fuel Price Adjustment (FPA)

Monthly Fuel Price for month work was accomplished (FPM)

Monthly Fuel Price for month when project was let (FPL)

Quantity Placed (Q)

Fuel Usage Factor (F)

Max. Cap

\$ 156,515.93

\$ 5,481

\$ 2,436

125%

0.71

2.90

657,660.82

5,639

2,506

TOTALS

814,176.75

**EARTHWORK**

Fuel Price Adjustment (FPA)

Monthly Fuel Price for month work was accomplished (FPM)

Monthly Fuel Price for month when project was let (FPL)

Quantity Placed (Q)

Fuel Usage Factor (F)

Max. Cap

\$ 77,360.66

\$ 5,481

\$ 2,436

125%

0.15

0.29

153,861.76

5,639

2,506

TOTALS

231,222.42

**TOTAL ROADWAY FUEL ADJUSTMENTS**

\$

1,184,806.73



**Benefit Cost Analysis Work Sheet  
CONGESTION Projects**

PROJECT NUMBER STP00-0001-00(817)

PI NUMBER 0001817

COUNTY CLAYTON

PROJECT DESCRIPTION CR 1516 GRADE SEPARATION SRR INC CONEY RD & SR  
8 RELOC

**Congestion Benefit = Tb + CMb + Fb**

**Person Time Savings Benefit (Tb)**

*Db (hrs)	0.068
ADT	36,200.00
Tb (\$s)	\$84,617,500.00

**Commercial or Truck Time Savings Benefit (CMb)**

Db (hrs)	0.068
% Truck Traffic	0.11
ADT	36,200.00
CMb	\$49,179,691.00

**Fuel Savings Benefit (Fb)**

ADT	36,200.00
Fb (\$s)	\$29,487,916.67

<b>Total Congestion Benefit</b>	<b>\$163,285,107.67</b>
<b>Total Project Cost</b>	<b>\$42,000,000.00</b>
<b>B/C Ratio</b>	<b>3.89</b>