

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #752300-
STP00-0222-01(001)
GDOT District 7 - Metro Atlanta
Cobb County
CR 4519/Atlanta Road @ I-285
Interchange Improvements

OFFICE Design Policy & Support

DATE April 19, 2012

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
Vicki Gavalas, District Planning & Programming Engineer
Scott Lee, District Preconstruction Engineer
Bryant Poole, District Engineer
Chandria Brown, Project Manager
BOARD MEMBER - 6th Congressional District
BOARD MEMBER - 13th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP00-0222-01(001) **OFFICE:** Program Delivery
Cobb County
P.I. No.: 752300
I-285 @ CR4519/Atlanta Road **DATE:** April 17, 2012

FROM: *S.H. RDN* Bobby Hilliard, P.E., State Program Delivery Engineer

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

SUBJECT: Request for Location and Design Approval

Description and Project Proposal:

The project would modify the existing interchange at I-285 and Atlanta Road and would begin just west of the intersection of Atlanta Road and N. Church Lane and end at the intersection of Atlanta Road and Pine Street. This project is 1.67 miles in length (M.P. 15.74 to M.P. 17.41) along I-285 and 0.58 miles in length along Atlanta Road and is located 100% within Cobb County.

The proposed improvements along Atlanta Road include replacing the existing twin bridges with a single, four-span bridge at approximately the same location. A double left-turn bay is proposed for Atlanta Road eastbound to the I-285 northbound entrance ramp. The northbound entrance ramp would be realigned and modified from a single lane ramp to a two lane ramp to accommodate the left turns. A single left-turn bay is also proposed for Atlanta Road westbound to the I-285 southbound entrance ramp. The southbound entrance ramp would be widened to allow for two lanes before merging to a single lane at the I-285 entrance gore. The I-285 southbound exit ramp would also be widened to accommodate dual left-turn and dual right-turn movements at the termini.

Additional improvements to Atlanta Road include the construction of a deceleration lane on Atlanta Road westbound from east of the interchange to the I-285 northbound entrance ramp, and the construction of a third lane on Atlanta Road westbound to be added as a free flow right-turn lane from the I-285 southbound off ramp to Pine Street. A short segment of Log Cabin Road would require realignment as a result of the deceleration lane. The proposed lane widths would be 12 feet with 12 foot urban shoulders that include a 5 foot sidewalk. Furthermore, a dual left-turn lane would be provided from Atlanta Road to Pine Street in order to accommodate vehicles entering the West Village development from Atlanta Road westbound.

Improvements to I-285 are also included. An auxiliary lane would be added to I-285 southbound and northbound between Atlanta Road and Paces Ferry Road. To accommodate these proposed auxiliary lanes, the existing Orchard Road (CR 1921) bridge over I-285 would need to be reconstructed at its present location.

Atlanta Road: West of I-285 - An urban section with 12' shoulders including curb & gutter and a 5' sidewalk, 3-12' lanes and 4' bike lanes in each direction separated by a variable width (20' minimum, 44'

maximum) raised median. East of I-285 - An urban section with 12' shoulders including curb & gutter and a 5' sidewalk, 2-12' lanes and 4' bike lanes in each direction separated by a variable width raised median. The bridge section accommodates 7-12' lanes, 8' raised median, 2-4' bike lanes, 2' gutter widths and 5'-6" sidewalks.

I-285: Widen existing section to accommodate an additional 12' auxiliary lane in each direction. Maintain existing 6'-9" inside shoulder width. Outside shoulders to be constructed 14' wide (12' paved) with 6:1 front slopes to the 38' clear zone. The Atlanta Road bridge is designed to accommodate future I-285 lane configurations, including 5-12' general purpose lanes and a 5 lane collector-distributor section in each direction with 12' wide shoulders.

Orchard Road: An urban section with 12' shoulders including curb & gutter and a 5' sidewalk, 1-12' lane in each direction, no median. The bridge section accommodates 2-12' lanes, 2' gutters and 5'-6" sidewalks.

Ramps: Proposed ramps will be one to four lane sections with 12' to 16' travel lanes, 6' inside shoulders (4' paved, 2' grassed), 12' outside shoulders (10' paved, 2' grassed) and side ditches.

Concept Approval Date: October 15, 2010

Concept Update: N/A

Categorical Exclusion Approval date: March 19, 2012

Public Involvement:

- Public Information Open House (PIOH#1) Results
 - A public meeting was held on March 8, 2007 at the Precinct 3 Police Station located on Cumberland Boulevard. Major concerns included noise barriers installed along I-285, lack of access to Winchester Parkway, the offset intersection of Brownwood Lane and the I-285 exit ramp, no traffic light at Atlanta Road and Pine Street, access to businesses with a median, and the removal of the Pilot station.
 - One comment was received opposing the project, 53 in support, 24 uncommitted and 43 conditional.
 - A total of 132 comments were received; however, nine people commented twice and one person commented three times.
 - A total of 126 people attended the public information open house including one public official. The public official was Wade Lnenicka, City of Smyrna.
 - Changes resulting from comments received at the PIOH included formalizing the location of the noise barriers
- Public Information Open House (PIOH#2) Results
 - A public meeting was held on December 2, 2010 at the Vinings Bank located at 4135 Atlanta Road Southeast within the project corridor. Major concerns included the extension of noise barrier 4 to Brownwood Lane to protect the Old Ivey Townhomes, the removal or abandonment of the Pilot station, access from Atlanta Road to the Shell station, sidewalks along Log Cabin Road and Beech Haven Trail, the extension of the turn lane from Atlanta Road to Brownwood Lane, and access for Winchester Parkway.
 - Two comments were received opposing the project, one comment was received opposing the detour and one comment was received opposing the noise barriers. A total of 23 were in support of the project, 19 were in support of the detour, and 15 were in support of the noise barriers. A total of six were uncommitted to the detours.

There were no respondents that stated they were uncommitted to the project or the noise barriers. A total of eight were conditionally in support of the project, two were conditionally in support of the detour and seven were conditionally in support of the noise barriers.

- A total of 87 comments were received.
- A total of 102 people attended the public information open house with no public officials in attendance.
- Changes resulting from comments received at the PIOH included: Extension of noise barrier at Olde Ivy Townhomes at Log Cabin Road and the noise barrier adjacent to the West Village development (Ramp D).

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.

RECOMMEND: Dee R M: M
Director of Engineering

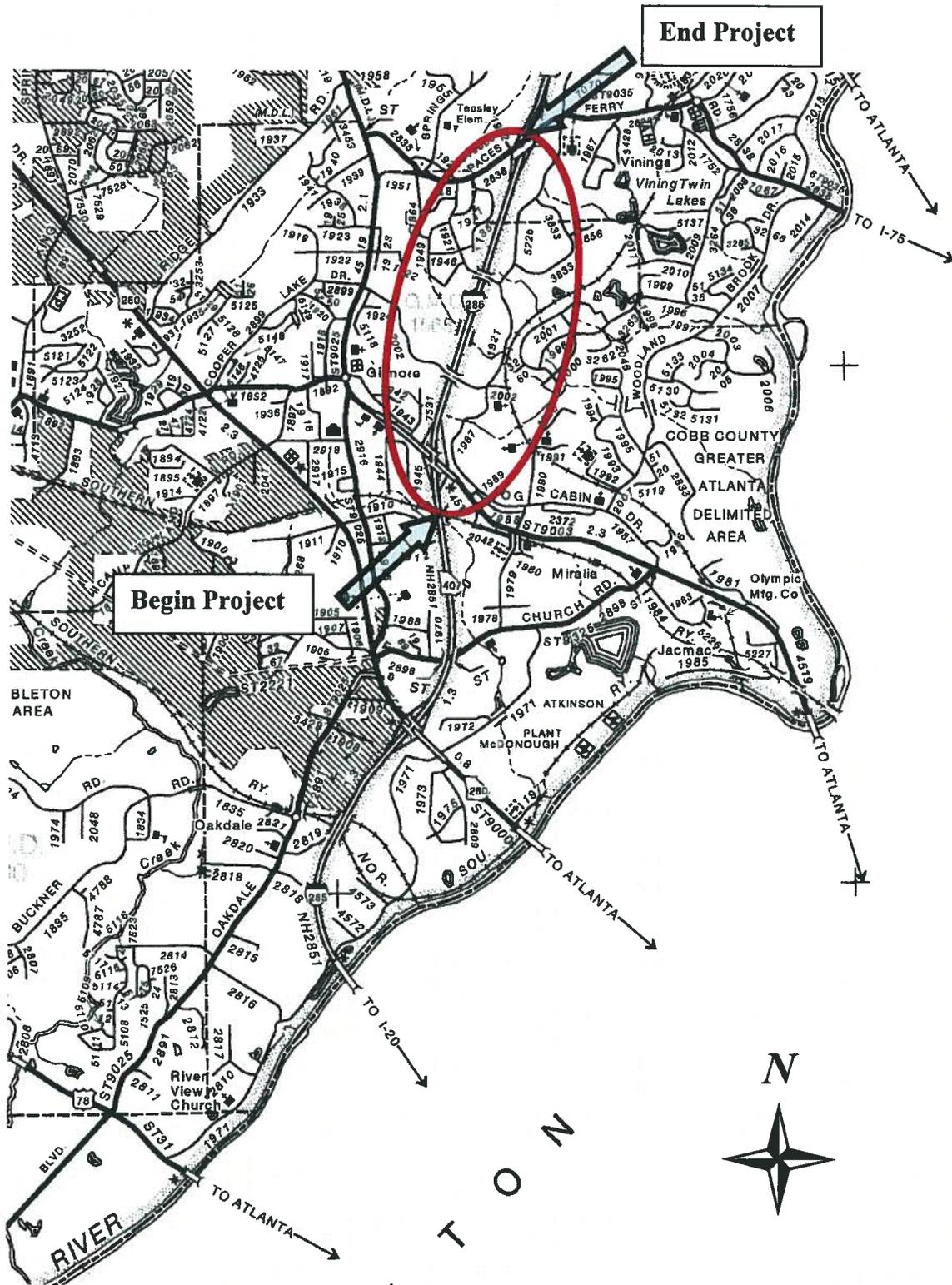
APPROVE: Dee R M: M
Chief Engineer

4-19-12
Date

DATE OF LOCATION AND DESIGN APPROVAL: APRIL 19, 2012
(To be entered by the State Conceptual Design Group Manager)

Attachments:

1. Sketch Map
2. Cost Estimate
3. Notice of Location and Design Approval



Scale: 1 inch = 1 mile

Location Map

Project: STP00-0222-01(001) Cobb County PI No.: 752300

Description: I-285 @ CR 4519/Atlanta Road

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. , OFFICE
 DATE

P.I. No.

FROM *SH*

TO Ronald E. Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION	\$	<input type="text" value="27,444,944.58"/>
RIGHT OF WAY	\$	<input type="text" value="15,050,000.00"/>
UTILITIES	\$	<input type="text" value="460,000.00"/>

DATE	<input type="text" value="10/15/2010"/>
DATE	<input type="text" value="10/15/2010"/>
DATE	<input type="text" value="10/15/2010"/>

REVISED COST ESTIMATES

CONSTRUCTION*	\$	<input type="text" value="32,764,847.00"/>
RIGHT OF WAY	\$	<input type="text" value="11,950,000.00"/>
UTILITIES**	\$	<input type="text" value="478,400.00"/>

* Costs contain % Engineering and Inspection and % Construction Contingencies.

** Costs contain % contingency.

REASON FOR COST INCREASE

Updated item unit costs as well as R/W and Reimbursable Utilities

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ <input type="text" value="30,983,286.34"/>	(Base Estimate)
Engineering and Inspection:	\$ <input type="text" value="1,549,164.32"/>	(Base Estimate x <input type="text" value="5"/> %)
Construction Contingency:	\$ <input type="text" value="0"/>	(Base Estimate x <input type="text" value="0"/> %)
		(The Construction Contingency is based on the Project Improvement Type in TPro.)
Total Fuel Adjustment	\$ <input type="text" value="0"/>	(From attached worksheet)
Total Liquid AC Adjustment	\$ <input type="text" value="232,396.67"/>	(From attached worksheet)
Construction Total:	\$ <input type="text" value="32,764,847.33"/>	
Utility Cost Estimate:	\$ <input type="text" value="478,400"/>	
Utility Contingency:	\$ <input type="text" value="0"/>	<input type="text" value="0"/> %
Utility Total:	\$ <input type="text" value="478,400"/>	

REIMBURSABLE UTILITY COST

Utility Owner	Reimbursable Cost
GA Power	\$296,400
Colonial Pipeline	\$109,200
Plantation Pipeline	\$72,800

Attachments

c: Genetha Rice-Singleton, State Program Control Administrator

DETAILED COST ESTIMATE



Job: 752300

JOB NUMBER: 752300

FED/STATE PROJECT NUMBER STP00-0222-01(001)

SPEC YEAR: 01

DESCRIPTION: I-285 @ CR4519/ATLANTA ROAD

ITEMS FOR JOB 752300

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$2,000,000.00	TRAFFIC CONTROL - ATLANTA RD	\$2,000,000.00
0010	153-1300	1.000	EA	\$71,317.33	FIELD ENGINEERS OFFICE TP 3	\$71,317.33
0015	201-1500	1.000	LS	\$2,000,000.00	CLEARING & GRUBBING - ATLANTA RD	\$2,000,000.00
0020	205-0001	100000.000	CY	\$11.35	UNCLASS EXCAV	\$1,134,725.00
0025	206-0002	110000.000	CY	\$7.21	BORROW EXCAV, INCL MATL	\$792,834.90
0030	310-5100	50000.000	SY	\$15.90	GR AGGR BS CRS 10IN INCL MATL	\$794,848.00
0035	402-1812	1150.000	TN	\$93.69	RECYL AC LEVELING,INC BM&HL	\$107,741.49
0040	402-3121	2900.000	TN	\$75.62	RECYL AC 25MM SP,GP1/2,BM&HL	\$219,298.75
0045	402-3130	2000.000	TN	\$86.43	RECYL AC 12.5MM SP,GP2,BM&HL	\$172,859.58
0050	402-3190	8600.000	TN	\$81.37	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$699,810.90
0055	413-1000	3020.000	GL	\$3.15	BITUM TACK COAT	\$9,514.57
0060	430-0820	29000.000	SY	\$71.57	C REF CONC PVMT/CL1C/ 12" TK	\$2,075,593.22
0065	433-1200	1280.000	SY	\$186.10	REF CONC APPR SL/I SLOPED EDGE	\$238,208.47
0070	439-0026	19900.000	SY	\$58.52	PLN PC CONC PVMT CL3 12" THK	\$1,164,631.18
0075	441-0104	2800.000	SY	\$47.69	CONC SIDEWALK, 4 IN	\$133,535.19
0080	441-0204	2000.000	SY	\$37.85	PLAIN CONC DITCH PAVING, 4 IN	\$75,694.50
0085	441-3999	6000.000	LF	\$17.99	CONCRETE V GUTTER	\$107,923.74
0090	441-6222	4200.000	LF	\$18.31	CONC CURB & GUTTER/ 8"X30"TP2	\$76,883.90
0095	441-6740	2800.000	LF	\$16.67	CONC CURB & GUTTER/ 8"X30" TP7	\$46,680.34
0100	446-2118	20000.000	LF	\$6.08	HIGH STR PVMT REINF FABRIC, 18 IN WIDTH	\$121,528.20
0105	500-3101	50.000	CY	\$830.70	CLASS A CONCRETE	\$41,535.15
0110	550-1180	4000.000	LF	\$67.12	STM DR PIPE 18",H 1-10	\$268,472.04
0115	550-1240	1500.000	LF	\$61.92	STM DR PIPE 24",H 1-10	\$92,877.86
0120	550-1360	400.000	LF	\$93.20	STM DR PIPE 36",H 1-10	\$37,280.74
0125	550-3318	14.000	EA	\$718.68	SAFETY END SECTION 18",STD,4:1	\$10,061.57
0130	550-3324	8.000	EA	\$1,156.43	SAFETY END SECTION 24",STD,4:1	\$9,251.46
0135	550-3336	4.000	EA	\$1,916.11	SAFETY END SECTION 36",STD,4:1	\$7,664.46
0140	550-4218	14.000	EA	\$661.47	FLARED END SECT 18 IN, ST DR	\$9,260.58
0145	550-4224	8.000	EA	\$724.65	FLARED END SECT 24 IN, ST DR	\$5,797.19
0150	550-4236	4.000	EA	\$1,230.32	FLARED END SECT 36 IN, ST DR	\$4,921.29
0155	573-2006	4800.000	LF	\$22.26	UNDDR PIPE INCL DRAIN AGGR 6"	\$106,834.94
0160	634-1200	50.000	EA	\$97.47	RIGHT OF WAY MARKERS	\$4,873.46
0195	641-1100	90.000	LF	\$67.79	GUARDRAIL, TP T	\$6,101.33
0200	641-1200	3600.000	LF	\$13.51	GUARDRAIL, TP W	\$48,630.35
0205	641-5001	8.000	EA	\$633.82	GUARDRAIL ANCHORAGE, TP 1	\$5,070.56
0210	641-5012	8.000	EA	\$1,763.03	GUARDRAIL ANCHORAGE, TP 12	\$14,104.27
0215	668-1100	40.000	EA	\$2,282.48	CATCH BASIN, GP 1	\$91,299.31
0220	668-2100	10.000	EA	\$2,219.06	DROP INLET, GP 1	\$22,190.59
SUBTOTAL FOR ROADWAY:						\$12,829,856.41

DETAILED COST ESTIMATE



Job: 752300

0020 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	163-0232	15.000	AC	\$549.08	TEMPORARY GRASSING	\$8,236.19
0250	163-0240	500.000	TN	\$229.61	MULCH	\$114,806.92
0255	163-0300	4.000	EA	\$1,680.00	CONSTRUCTION EXIT	\$6,720.02
0260	163-0520	500.000	LF	\$18.74	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$9,372.21
0270	163-0527	100.000	EA	\$200.00	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$20,000.00
0275	163-0528	5000.000	LF	\$2.00	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$10,000.00
0280	163-0531	1.000	EA	\$8,149.48	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- SED BASIN 1	\$8,149.48
0285	163-0541	5.000	EA	\$350.00	CONSTR & REM ROCK FILTER DAMS	\$1,750.00
0290	163-0542	5.000	EA	\$771.00	CONSTR & REM STONE FILTER RING	\$3,855.00
0295	163-0550	40.000	EA	\$238.97	CONS & REM INLET SEDIMENT TRAP	\$9,558.88
0305	165-0030	6800.000	LF	\$1.23	MAINT OF TEMP SILT FENCE, TP C	\$8,388.55
0310	165-0041	5000.000	LF	\$1.75	MAINT OF CHECK DAMS - ALL TYPES	\$8,750.00
0315	165-0060	1.000	EA	\$1,161.11	MAINT OF TEMP SEDIMENT BASIN,STA NO -	\$1,161.11
0320	165-0101	2.000	EA	\$608.13	MAINT OF CONST EXIT	\$1,216.27
0325	165-0105	20.000	EA	\$100.41	MAINT OF INLET SEDIMENT TRAP	\$2,008.26
0330	165-0110	2.000	EA	\$152.00	MAINT OF ROCK FILTER DAM	\$304.00
0335	165-0111	2.000	EA	\$125.00	MAINT OF STONE FILTER RING	\$250.00
0340	167-1000	2.000	EA	\$1,355.20	WATER QUALITY MONITORING AND SAMPLING	\$2,710.40
0345	167-1500	24.000	MO	\$988.31	WATER QUALITY INSPECTIONS	\$23,719.51
0355	171-0030	15000.000	LF	\$3.15	TEMPORARY SILT FENCE, TYPE C	\$47,240.40
0360	603-2018	500.000	SY	\$54.85	STN DUMPED RIP RAP, TP 1, 18"	\$27,425.05
0365	603-7000	500.000	SY	\$6.68	PLASTIC FILTER FABRIC	\$3,340.99
0370	700-6910	25.000	AC	\$880.96	PERMANENT GRASSING	\$22,024.02
0375	700-7000	75.000	TN	\$67.57	AGRICULTURAL LIME	\$5,068.07
0380	700-7010	70.000	GL	\$19.91	LIQUID LIME	\$1,393.67
0385	700-8000	20.000	TN	\$346.52	FERTILIZER MIXED GRADE	\$6,930.38
0390	700-8100	1500.000	LB	\$2.55	FERTILIZER NITROGEN CONTENT	\$3,824.51
0395	716-2000	50000.000	SY	\$1.16	EROSION CONTROL MATS, SLOPES	\$58,150.00
SUBTOTAL FOR EROSION CONTROL:						\$416,353.89

0030 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0470	636-1033	100.000	SF	\$21.42	HWY SIGNS, TP1MAT,REFL SH TP 9	\$2,141.87
0475	636-2070	200.000	LF	\$9.40	GALV STEEL POSTS, TP 7	\$1,880.36
0480	636-5010	10.000	EA	\$53.42	DELINEATOR, TP 1	\$534.24
0485	638-1001	1.000	LS	\$150,000.00	STR SUPPORT OVHD SIGN,TP I,STA ESTIMATED LS PRICE	\$150,000.00
0490	639-2002	250.000	LF	\$3.78	STEEL WIRE STRAND CABLE, 3/8"	\$944.98
0495	639-4004	2.000	EA	\$5,478.36	STRAIN POLE, TP IV	\$10,956.72
0400	653-0120	10.000	EA	\$77.73	THERM PVMT MARK, ARROW, TP 2	\$777.29
0405	653-0210	4.000	EA	\$113.04	THERM PVMT MARK, WORD , TP 1	\$452.16
0410	653-1501	34100.000	LF	\$0.39	THERMO SOLID TRAF ST 5 IN, WHI	\$13,320.14
0415	653-1502	6000.000	LF	\$0.46	THERMO SOLID TRAF ST, 5 IN YEL	\$2,755.38
0420	653-1704	200.000	LF	\$4.65	THERM SOLID TRAF STRIPE,24",WH	\$930.76
0425	653-3501	19000.000	GLF	\$0.23	THERMO SKIP TRAF ST, 5 IN, WHI	\$4,289.82
0430	653-3502	1500.000	GLF	\$0.34	THERMO SKIP TRAF ST, 5 IN, YEL	\$510.81
0435	653-6004	600.000	SY	\$4.75	THERM TRAF STRIPING, WHITE	\$2,850.37
0440	653-6006	220.000	SY	\$3.92	THERM TRAF STRIPING, YELLOW	\$862.60
0445	654-1003	100.000	EA	\$5.34	RAISED PVMT MARKERS TP 3	\$534.18
SUBTOTAL FOR SIGNING & MARKING:						\$193,741.68

0040 - SIGNALS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0450	647-1000	1.000	LS	\$150,000.00	TRAF SIGNAL INSTALLATION NO - ESTIMATED LS PRICE - SIGNAL NO. 1	\$150,000.00
0455	647-1000	1.000	LS	\$150,000.00	TRAF SIGNAL INSTALLATION NO - ESTIMATED LS PRICE - SIGNAL NO. 2	\$150,000.00
0460	647-1000	1.000	LS	\$150,000.00	TRAF SIGNAL INSTALLATION NO - ESTIMATED LS PRICE - SIGNAL NO. 3	\$150,000.00
SUBTOTAL FOR SIGNALS:						\$450,000.00

DETAILED COST ESTIMATE



Job: 752300

0050 - ITS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0500	615-1200	3660.000	LF	\$14.32	DIRECTIONAL BORE - 5 INCH	\$52,410.25
0505	615-1200	180.000	LF	\$20.45	DIRECTIONAL BORE - 6 INCH	\$3,680.13
0465	631-2463	2.000	EA	\$103,432.06	LED PIX CMS,WALKIN,3X21,18", TYP B	\$206,864.12
0515	639-1240	9.000	EA	\$750.00	TREATED TIMBER POLE, CL 2, 40' ESTIMATED UNIT PRICE	\$6,750.00
0510	639-2001	1900.000	LF	\$1.53	STEEL WIRE STRAND CABLE, 1/4"	\$2,902.86
0520	639-5000	9.000	EA	\$5,514.07	PRESTRESSED CONC STR POLE, TP- TP IV	\$49,626.65
0525	647-2141	11.000	EA	\$1,182.81	PULL BOX, PB-4S	\$13,010.95
0530	647-2170	43.000	EA	\$1,658.59	PULL BOX, PB-7	\$71,319.49
0535	682-6120	40.000	LF	\$15.53	CONDUIT, RIGID, 2 IN	\$621.23
0540	682-6233	19320.000	LF	\$4.98	CONDUIT, NONMETL, TP 3, 2 IN	\$96,254.37
0545	682-7062	11770.000	LF	\$22.60	CONDUIT DUCT BANK, TYPE 3	\$265,953.04
0550	935-1113	8440.000	LF	\$3.12	OUT PLNT FBR OPT CBL,LOOSE TB,SM,24 FBR	\$26,363.10
0555	935-1115	4370.000	LF	\$1.86	OUT PLNT FBR OPT CBL,LOOSE TB,SM,48 FBR	\$8,113.39
0560	935-1117	24280.000	LF	\$2.45	OUT PLNT FBR OPT CBL,LOOSE TB,SM,96 FBR	\$59,534.07
0565	935-1512	1960.000	LF	\$1.55	OUT PLNT FBR OPT CBL,DROP,SM,12 FBR ESTIMATED UNIT PRICE	\$3,038.00
0570	935-3103	4.000	EA	\$643.13	FIBER OPTIC CLOSURE,UNDRGRD,24 FBR	\$2,572.54
0575	935-3107	12.000	EA	\$1,033.53	FIBER OPTIC CLOSURE,UNDRGRD,96 FIBER	\$12,402.41
0580	935-3602	18.000	EA	\$717.19	FBR. OP. CLOS., FDC PRE-TERM., TYP. A, 6	\$12,909.51
0585	935-4010	732.000	EA	\$41.63	FIBER OPTIC SPLICE, FUSION	\$30,471.02
0590	935-8000	1.000	LS	\$3,650.00	TESTING ESTIMATED LS COST	\$3,650.00
0595	936-1001	3.000	EA	\$6,968.62	CCTV SYSTEM,TYPE B	\$20,905.85
0600	936-8000	1.000	LS	\$4,700.00	TESTING ESTIMATED LS COST	\$4,700.00
0605	937-8000	1.000	LS	\$4,700.00	TESTING ESTIMATED LS COST	\$4,700.00
0610	939-1190	4.000	EA	\$5,385.51	VIDEO ENCODER, TYPE A	\$21,542.05
0615	939-2300	13.000	EA	\$3,311.68	FIELD SWITCH, TYPE A	\$43,051.87
0620	939-2305	6.000	EA	\$3,064.68	FIELD SWITCH, TYPE C	\$18,388.08
0625	939-4040	8.000	EA	\$4,964.06	TYPE D CABINET	\$39,712.51
0630	939-8000	1.000	LS	\$6,000.00	TESTING ESTIMATED LS COST	\$6,000.00
SUBTOTAL FOR ITS:						\$1,087,447.49

0060 - MISC STRUCTURES

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0635	540-1101	1.000	LS	\$750,000.00	REM OF EX BR, STA NO - ESTIMATED LS COST	\$750,000.00
0165	621-4021	3930.000	LF	\$434.41	CONCRETE SIDE BARRIER, TY 2A	\$1,707,220.45
0170	621-4022	370.000	LF	\$495.42	CONCRETE SIDE BARRIER, TY 2B	\$183,303.89
0175	621-4061	125.000	LF	\$500.00	CONCRETE SIDE BARRIER, TY 6A ESTIMATED UNIT PRICE	\$62,500.00
0185	621-6211	555.000	LF	\$500.00	CONC SIDE BARRIER, TP 6-SA ESTIMATED UNIT PRICE	\$277,500.00
0190	621-6212	415.000	LF	\$500.00	CONC SIDE BARRIER, TP 6-SB ESTIMATED UNIT PRICE	\$207,500.00
0640	624-0415	294762.000	SF	\$20.00	ABSORPTIVE SOUND BARRIER ESTIMATED UNIT COST	\$5,895,240.00
0225	627-1000	300.000	SF	\$68.24	MSE WALL FACE, 0 - 10 FT HT, WALL NO - MSE WALLS 1 & 2	\$20,471.18
0230	627-1010	2000.000	SF	\$73.63	MSE WALL FACE, 10 - 20 FT HT, WALL NO - MSE WALLS 1 & 2	\$147,262.92
0235	627-1020	2095.000	SF	\$60.13	MSE WALL FACE, 20 - 30 FT HT, WALL NO - MSE WALL 2	\$125,973.63
0240	627-1100	270.000	LF	\$44.13	COPING A, WALL NO - MSE WALLS 1 & 2	\$11,914.80
SUBTOTAL FOR MISC STRUCTURES:						\$9,388,886.87

COST GROUP FOR JOB 752300

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	LS	NORM			ERTHLS	EARTHWORK (LS)	
00000002	TN	NORM			ASPH	ASPHALT (TN)	
00000003	SF	NORM	65870.000	\$100.00	STRO	STRUCTURES, OTHER (SF)	\$6,587,000.00
00000004	TN	NORM			BASE	BASE/AGGREGATE (TN)	
00000005	SY	NORM			EROC	EROSION CONTROL (SY)	
00000006	TN	NORM			CONC	CONCRETE (SY)	
00000007	LS	NORM			TRFT	TRAFFIC CONTROL-TEMPORARY (LS)	
00000008	LF	NORM			GDRL	GUARDRAIL/BARRIER (LF)	
00000009	LF	NORM			DRNFL	DRAINAGE (LF)	
00000010	SF	NORM	1000.000	\$30.00	WALL	WALLS (SF)	\$30,000.00
00000011	EA	NORM			DRNGEA	DRAINAGE (EA)	
00000012	LF	NORM			CURB	CURB & GUTTER (LF)	
00000013	LS	NORM			GENR	GENERAL/FIELD OFFICE/ETC (LS)	
00000014	EA	NORM			LSGN	LARGE OVERHEAD AND COSTLY SIGNS	
00000015	LF	NORM			FENC	FENCES (LF)	
00000016	LS	NORM			SGNL	TRAFFIC SIGNALS (LS)	

DETAILED COST ESTIMATE



Job: 752300

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000017	SY	NORM			MILL	MILLING (SY)	
00000018	EA	NORM			ITS	INTELLIGENT TRANS. SYSTEMS (EA)	
00000019	LF	NORM			JOIN	JOINT/CRACK SEALING (LF)	
00000020	EA	NORM			SSGN	SMALL ROADSIDE SIGNS	
00000021	LS	NORM			MISC	MISCELLANEOUS (LS)	
00000022	SF	NORM			SBAR	SOUND BARRIERS (SF)	
00000023	LM	NORM			SRTS	STATE ROUTE TRAFFIC STRIPE	
00000024	SY	NORM			THSY	THERMO PLASTIC MARKING SQUARE YARDS	
00000025	LF	NORM			THSL	THERMO PLASTIC LINEAR PAVEMENT MARKING	
00000026	SY	NORM			SRFT	SURFACE TREATMENT (SY)	
00000027	LM	NORM			CRTS	COUNTY ROAD TRAFFIC STRIPE	
00000028	EA	NORM			RPMK	RAISED PAVEMENT MARKING	
00000029	EA	NORM			SSYM	SMALL SYMBOL PAVEMENT MARKING	
00000030	EA	NORM			PFPM	PREFORMED PLASTIC PAVEMENT MARKING/SYMBOLS	
00000031	SY	NORM			PLSY	PLASTIC PAVEMENT MARKING BY SQUARE YARD	
00000032	EA	NORM			LSYM	LARGE PAVEMENT MARKING SYMBOLS	
00000033	CY	NORM			ERTHCY	EARTHWORK (CY)	
SUBTOTAL:							\$6,617,000.00

TOTALS FOR JOB 752300

ITEMS COST:	\$24,366,286.34
COST GROUP COST:	\$6,617,000.00
ESTIMATED COST:	\$30,983,286.34
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$30,983,286.34

Project

STP00-0222-01(001)

CALL NO.

P.I. NO.

752300

DATE

10/26/2011

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-11	\$ 3.258
DIESEL		\$ 3.769
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)			\$	228,015.00	\$	228,015.00
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)				675		

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	2900	5.0%	145
19 mm SP	8600	5.0%	430
	13500		675

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$	4,381.67	\$	4,381.67
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)				12.97120478		

Bitum Tack

Gals	gals/ton	tons
3020	232.8234	12.9712048

Project

STP00-0222-01(001)

CALL NO.

P.I. NO.

752300

DATE

10/26/2011

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
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)					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
					0

TOTAL LIQUID AC ADJUSTMENT							\$	232,396.67
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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, Project Manager
SUBJECT **Preliminary Utility Cost Estimate**
STP00-0222-01(001), Cobb County
P.I. No. 752300

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

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light Company	\$ 123,760.00	
Atlanta Gas Light Network	\$ 55,120.00	
AT&T	\$ 192,400.00	
Cobb Water Authority	\$ 29,120.00	
Cobb Water System	\$ 112,320.00	
Comcast Cable	\$ 60,320.00	
Charter Cable	\$ 36,400.00	
Georgia Power		\$296,400.00
Colonial Pipeline		\$109,200.00
Plantation Pipeline		\$ 72,800.00
GDOT ATMS	\$114,400.00	
Cobb Traffic	\$260,000.00	
<hr/>		
Totals	\$983,840.00	\$ 478,400.00
Total Preliminary Utility Cost Estimate	\$1,462,240.00	

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
LOCAL ACQUISITION - DETAILED ROW COST ESTIMATE SUMMARY**

Date (MM/YYYY): Project: STP00-0222-01(001)
 Revised: 10/27/11 County: Cobb
PI: 752300

Description: I-285/Atlanta Rd
 Parcels: 25 R/W Plan Date:

FOR FUNDING ONLY

CONTRACT

Land and Improvements _____ \$11,291,369.33
 Valuation Services _____ \$91,875.00
 Legal Services _____ \$166,875.00
 Relocation _____ \$50,000.00
 Demolition _____ \$85,000.00
TOTAL CONTRACT _____ **\$11,685,119.33**

IN-HOUSE

Sponsor In-house _____ \$210,500.00
 Sponsor Estimated Costs _____ \$11,895,619.33
 Agency Oversight In-house _____ \$48,500.00
TOTAL ESTIMATED COSTS _____ **\$11,944,119.33**

TOTAL ESTIMATED COSTS (ROUNDED) _____ **\$11,950,000.00**

Preparation Credits	Hours	Signature

[Signature] *CG#: 680 (DATE) 10/27/11
[Signature] *CG#: 286999 (DATE) 11/03/11

*CG required only if used for Negotiations

**GEORGIA DEPARTMENT OF TRANSPORTATION
LOCAL ACQUISITION - DETAILED ROW COST ESTIMATE SUMMARY**

Date (MM/YYYY): _____ Project: STP00-0222-01(001)
 Revised: 10/27/11 County: Cobb
 PI: 752300

Description: I-285/Atlanta Rd

Parcels: 25 R/W Plan Date: _____

FOR FUNDING ONLY

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TOTAL ESTIMATED COSTS (ROUNDED) _____ \$11,950,000.00

Preparation Credits	Hours	Signature



*CG#: 680 (DATE) 10/27/11

*CG#: _____ (DATE) _____

*CG required only if used for Negotiations

NOTICE OF LOCATION AND DESIGN APPROVAL

STP00-0222-01(001), Cobb County

P. I. No. 752300

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 19, 2012.

The preferred alternative would modify the existing interchange at I-285 and Atlanta Road and would begin just west of the intersection of Atlanta Road and N. Church Lane and end at the intersection of Atlanta Road and Pine Street for a total length of 0.57 miles. An auxiliary lane would be added to I-285 southbound and northbound between Atlanta Road and Paces Ferry Road for a total length of 1.67 miles. This project is located 100 percent in Cobb County (62% in Congressional District 13 and 38% in Congressional District 6) and Ga. Militia Districts 992 and 1568. The project is located within Land District 17 and Land Lots 748, 749, 750, 762, 763, 764, 765, 766, 767, 768, 815, 816, 817, 818, 819, 822, 840, and 841 in Cobb County.

The proposed improvements along Atlanta Road include replacing the existing twin bridges with a single, four-span bridge at approximately the same location. A double left-turn bay is proposed for Atlanta Road eastbound to the I-285 northbound entrance ramp. The northbound entrance ramp would be realigned and modified from a single lane ramp to a two lane ramp to accommodate the left turns. A single left-turn bay is also proposed for Atlanta Road westbound to the I-285 southbound entrance ramp. The southbound entrance ramp would be widened to allow for two lanes before merging to a single lane at the I-285 entrance gore. The I-285 southbound exit ramp would also be widened to accommodate dual left-turn and dual right-turn movements at the termini.

Additional improvements to Atlanta Road include the construction of a deceleration lane on Atlanta Road westbound from east of the interchange to the I-285 northbound entrance ramp, and the construction of a third lane on Atlanta Road westbound to be added as a free flow right-turn lane from the I-285 southbound off ramp to Pine Street. A short segment of Log Cabin Road would require realignment as a result of the deceleration lane. The proposed lane widths would be 12 feet with 12 foot urban shoulders that include a 5 foot sidewalk. Furthermore, a dual left-turn lane would be provided from Atlanta Road to Pine Street in order to accommodate vehicles entering the West Village development from Atlanta Road westbound.

Improvements to I-285 are also included. An auxiliary lane would be added to I-285 southbound and northbound between Atlanta Road and Paces Ferry Road. To accommodate these proposed auxiliary lanes, the existing Orchard Road (CR 1921) bridge over I-285 would need to be reconstructed at its present location.

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.
Office of Program Delivery
BHilliard@dot.ga.gov
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1122

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