

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. # 762527 **OFFICE** Design Policy & Support  
CM000-00BK-00(042)  
GDOT District 7 - Metro Atlanta  
Fulton County **DATE** April 8, 2011  
Danforth Road Sidewalks

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

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

**DISTRIBUTION:**

Genetha Rice-Singleton, Program Control Administrator  
Bobby Hilliard, State Program Delivery Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Angela Robinson, Financial Management Administrator  
Glenn Bowman, State Environmental Administrator  
Ben Rabun, State Bridge Engineer  
Kathy Zahul, State Traffic Engineer  
Georgene Geary, State Materials & Research Engineer  
Ron Wishon, State Project Review Engineer  
Jeff Baker, State Utilities Engineer  
Ken Thompson, Statewide Location Bureau Chief  
Bryant Poole, District Engineer  
Scott Lee, District Preconstruction Engineer  
Jonathan Walker, District Utilities Engineer  
Merishia Robinson, Project Manager  
BOARD MEMBER - 5th Congressional District

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

REVISED PROJECT CONCEPT REPORT

Danforth Road Transit Oriented Sidewalks

Project Number: CM000-00BK-00(042)

Fulton County

P. I. Number: 762527

Federal Route Number N/A

State Route Number N/A

City Street Number 1393

The original concept is being revised due to the changes in the project typical section, the logical termini, the right of way width, the signalization, and the alignment. The City of Atlanta and Fulton County have agreed that the signal at the intersection of Danforth Road and New Hope Road is no longer warranted. Also the City of Atlanta desires to extend the project along the south side of Danforth Road to the existing sidewalk within their limits. The extension will be from 400 feet east of Regency Center Drive to 200 west of Reunion Place.

Submitted for Approval

DATE 10/27/10

Willy A. Parker  
Arcadis and Brindley Pieters and Associates Joint Venture

DATE 10/28/10

[Signature]  
City of Atlanta Public Works

DATE 11/1/2010

W. S. S.  
Design Phase Office Head

DATE 11/3/10

Bray Hoole  
Office Head

DATE 11/1/2010

W. S. S.  
Project Manager

Recommendation for approval:

DATE 2/24/2011

\* GLENN BOWMAN / [Signature]  
State Environmental Administrator

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 2/7/2011

\* CYNTHIA L. VANDYKE / [Signature]  
State Transportation Planning Administrator

\* RECOMMENDATION ON FILE

# Revised Project Concept Report

P. I. Number: 762527  
Project Number: CM000-00BK-00(042)  
Fulton County

## Need and Purpose:

The purpose of this project is to provide functional, aesthetic sidewalks that will encourage pedestrians to travel along Danforth Road to access points including existing and new subdivisions, local churches, the Southwest Fulton Arts Center, and MARTA Bus Routes. Encouraging pedestrian usage of the corridor will help to alleviate air pollution. Along with the addition of curb and gutter will come the necessity to improve the storm drainage system through the addition of inlets and longitudinal drainage along Danforth Road.

Danforth Road is a well traveled roadway because of the fact that it is a conduit for the area residents to access I-285 from Cascade Road. The new subdivisions under construction along Danforth Road will have sidewalks on both sides of the entrance and the proposed sidewalks along Danforth Road will tie to those to facilitate the pedestrians residing in the area. In addition, the South Fulton community is experiencing growth with development within walking distance of the residential community along Danforth Road. The proposed sidewalks will provide local residents and employees in the area with pedestrian access to the MARTA Bus Routes along Cascade Road. Moreover, the sidewalks will provide for pedestrian access to the commercial facilities on Cascade Road.



**Description of the Approved Concept:**

The project consists of the construction of 12 ft. shoulders from edge of existing pavement that will include 24" curb & gutter, 2 ft. (minimum) grassed strip, 5-ft. wide concrete sidewalk, and the rest of the shoulder width to be grassed along both sides of Danforth Road from New Hope Road to approximately 400 ft. east of Regency Center Drive. As a result of the sidewalks construction the drainage conditions will be evaluated, and updated; and appropriate drainage structures and piping will be included to improve the drainage characteristics of the area. The existing 8'x10' reinforced concrete box culvert at Niskey Creek will need to be extended on both sides of the Danforth Road to accommodate the addition of the shoulders and construction slopes in the area. Gravity wall construction will be required to reduce impacts on the properties in some areas along the project.

The approved concept report also includes a traffic engineering study, a signal warrant analysis and recommendations for improvement of the existing Danforth Road/Bethany Forest Drive/New Hope Road intersection. These improvements include a left turn lane from Danforth Road west to New Hope Road south, a left turn lane from New Hope Road south to Danforth Road east, a right turn lane from New Hope Road north to Danforth Road east, pedestrian crosswalks, wheel chair ramps, and traffic signals. The Approximate project length is 0.60 miles.

**PDP Classification:** Major \_\_\_\_\_ Minor X

**Federal Oversight:** Full Oversight \_\_\_\_\_, Exempt X, State Funded, or Others

**Functional Classification:** Danforth Road - Urban Local Road  
New Hope Road - Urban Collector Street

**U. S. Route Number(s):** N/A **State Route Number(s):** N/A

**Traffic (AADT) as shown in the approved concept:**

Base Year: (2007) 8,937 Design Year: (2027) 16,141

**Updated traffic data (AADT):**

Base Year: (2012) 10,360 Design Year: (2032) 18,712

**Approved Programmed/Schedule**

P.E.: 10/2011 R/W: 01/2011 Construction Let: 10/2012

**VE Study Required** Yes ( ) No (x)

**Benefit/cost Ratio:** N/A Sidewalk construction project

**Is the project located in an Ozone Non-attainment area?** (x) Yes ( ) No

This project is designed to encourage the pedestrians to use sidewalks and hence to reduce the emissions in the air. This project is not intended to add to the capacity to Danforth Road.

**Is the project in a PM2.5 Non-Attainment area?** Yes (x) No ( )

**Approved Features:  
Typical Section(s):**

The approved Concept Report included the addition of traffic signals at the intersection of Danforth Road and New Hope Road. In association with the new signals, exclusive left turn and right turn lanes were added to the existing lane on New Hope Road in the northbound direction. An exclusive left turn lane was added to the existing lane in the southbound direction. On Danforth Road, an exclusive left turn lane was added to the existing lane in the westbound direction. The project typical sections included 12 foot shoulders, with 24 inch curb and gutter, 2 foot grass strip, and 5 foot wide concrete sidewalks on both sides of the roadway.

**Project Termini:**

The approved project started at the intersection of Danforth Road and New Hope Road. The project terminated approximately 400 feet past Regency Center Drive.

**Right of way**

In the approved concept, thirty three (33) parcels were impacted and required the purchasing of right of way and/or easements.

**Proposed Features  
Typical Section(s):  
See Attachment 4 and 5**

During meetings conducted with the Neighborhood Association in January, 2010, the City of Atlanta acquiesced to deletion of the traffic signals. Fulton County had installed 4-way stop signs at the intersection after the flood of September 2009 and the community is quite satisfied with this condition. Because of the deletion of the signals, the proposed turn lanes were also eliminated.

The City also decided to extend the project, on the south side of Danforth Road, another one thousand five feet (Sta. 130+05 to Sta. 140+00) to the east. The sidewalk on this side will tie to the existing sidewalk west of the Reunion Place subdivision. The extension of the project will include similar shoulder, curb and gutter, and sidewalk widths, included in the approved concept. The sidewalk on the north side will end as shown in the approved concept.

**Project Termini:**

The project will now terminate approximately 200 feet west of the intersection at Reunion Place. The project will be extended an additional 1005 linear feet approximately, 0.19 miles. The beginning point will remain the same.

**Right of way**

With the removal of the signal at the intersection of Danforth Road and New Hope Road, the additional lanes are not required. This has reduced the number of parcels affected in this area. However, due to the extension of the project to the east, there will be a total of 39 parcels that will be affected by the construction.

**Reason For Change:**

The approved concept report has been revised due to the elimination of the traffic signals at the intersection of Danforth and New Hope Roads. The project has also been extended for another one thousand five (1005) feet to the east on Danforth Road.

**Potential environmental Impacts of Proposed Revisions:**

There are no anticipated Environmental effects due to the revision.

**Have proposed Revisions Been Reviewed by Environmental Staff? Yes (x) No ( )**

Updated Cost Estimate	
Base Construction Cost	\$853,583
Engineering and Inspection @ 5%	42,679
Fuel & Asphalt Adjustment	\$27,681
<u>Total Construction Cost</u>	923,943
Right-of-Way	\$69,870
Utilities (non-reimbursable)	\$200,000

**Recommendation:**

Recommend that the proposed revision to the concept be approved for implementation.

**Attachments:**

1. Cost Estimate
2. Fuel Adjustment Cost
3. Right of Way Cost
4. Typical Section – Revised Concept
5. 4 Way Stop Intersection

Concur: Ben Buchan *BAS 3/30/11*  
Director of Engineering

Date: \_\_\_\_\_

Approve: David M. Ron  
Chief Engineer

Date: 3/30/2011

# Attachment 1

3/3/2011

STATE HIGHWAY AGENCY

DATE : 02/17/2011

PAGE : 1

## JOB DETAIL ESTIMATE

JOB NUMBER : 762527-EXTENSIO      SPEC YEAR: 01  
 DESCRIPTION: DANFORTH ROAD SIDEWALK IMPROVEMENTS EXTENSION

### ITEMS FOR JOB 762527-EXTENSIO

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	500-3800		CY	CL A CONC, INCL REINF STEEL	125.000	563.68	70460.77
0010	210-0100		LS	GRADING COMPLETE - CM000-00BK-00 (042)	1.000	150000.00	150000.00
0015	207-0203		CY	FOUND BKFFILL MATL, TP II	200.000	37.32	7464.90
0020	441-0600		CY	CONC HEADWALLS	5.000	950.00	4750.00
0025	500-3800		CY	CL A CONC, INCL REINF STEEL	5.000	546.22	2731.14
0030	550-1150		LF	STM DR PIPE 15",H 1-10	9.000	26.41	237.76
0035	550-1180		LF	STM DR PIPE 18",H 1-10	452.000	28.52	12893.73
0040	550-1240		LF	STM DR PIPE 24",H 1-10	354.000	37.12	13142.15
0045	550-4118		EA	FLARED END SECT 18 IN, SIDE DR	1.000	251.26	251.26
0050	603-2018		SY	STN DUMPED RIP RAP, TP 1, 18"	50.000	40.24	2012.19
0055	603-7000		SY	PLASTIC FILTER FABRIC	50.000	4.05	202.69
0060	611-4001		EA	RECONSTR MINOR DRAINAGE STR	10.000	1952.50	19525.00
0065	668-1100		EA	CATCH BASIN, GP 1	10.000	1841.19	18411.97
0070	668-1110		LF	CATCH BASIN, GP 1, ADDL DEPTH	12.000	159.36	1912.44
0075	310-5060		SY	GR AGGR BS CRS 6IN INCL MATL	1200.000	12.73	15277.75
0080	310-5100		SY	GR AGGR BS CRS 10IN INCL MATL	810.000	14.83	12012.94
0085	402-3110		TN	RECY ASPH 9.5 MMSP,GP1OR2,INCL B M & HL	1210.000	80.00	96800.00
0090	402-3112		TN	RECYL AC 19MM SP, GP 1/2, BM&HL	100.000	85.00	8500.00
0095	402-3113		TN	RECYL AC 12.5MM SP,GP1/2,BM&HL	230.000	80.00	18400.00
0100	413-1000		GL	BITUM TACK COAT	540.000	2.44	1320.08
0105	441-0104		SY	CONC SIDEWALK, 4 IN	3738.000	24.86	92947.87
0110	441-4020		SY	CONC VALLEY GUTTER, 6 IN	800.000	31.79	25434.18
0115	441-6012		LF	CONC CURB & GUTTER/ 6"X24"TP2	6800.000	10.66	72492.01
0120	444-2000		LF	SAWED JTS IN EXIST PVMTS - ASPHALT	6800.000	3.50	23800.00
0125	163-0232		AC	TEMPORARY GRASSING	1.000	234.45	234.45
0130	163-0240		TN	MULCH	3.000	217.92	653.76
0135	163-0300		EA	CONSTRUCTION EXIT	4.000	1208.73	4834.94
0140	163-0523		EA	CONSTR AND REM TEMP DCH CK - TP C SLT FN	14.000	165.96	2323.44
0145	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	150.000	0.60	90.66
0150	165-0020		LF	MAINT OF TEMP SILT FENCE, TP B	3530.000	0.63	2223.90
0155	165-0040		EA	MAINT OF EROSION CTRL CHKDAMS/DITCH CHKS	14.000	39.52	553.28

# Attachment 1

3/3/2011

STATE HIGHWAY AGENCY

DATE : 02/17/2011  
PAGE : 2

JOB DETAIL ESTIMATE

0160	165-0101	EA	MAINT OF CONST EXIT	4.000	431.10	1724.43
0165	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	25.000	51.95	1298.91
0170	700-6910	AC	PERMANENT GRASSING	4.000	557.70	2230.81
0175	700-7000	TN	AGRICULTURAL LIME	1.000	55.64	55.64
0180	700-8000	TN	FERTILIZER MIXED GRADE	1.000	415.65	415.66
0185	700-8100	LB	FERTILIZER NITROGEN CONTENT	150.000	2.12	318.56
0190	636-1029	SF	HWY SGN,TP2 MATL,REFL SH TP 3	60.000	14.60	876.54
0195	636-2070	LF	GALV STEEL POSTS, TP 7	280.000	7.48	2096.60
0200	652-5451	LF	SOLID TRAF STRIPE, 5 IN, WHITE	7900.000	0.12	999.43
0204	652-5452	LF	SOLID TRAF STRIPE, 5 IN, YELLO	7900.000	0.22	1764.31
0205	652-5701	LF	SOLID TRAF STRIPE, 24", WHITE	60.000	2.34	140.97
0210	652-5801	LF	SOLID TRAF STRIPE, 8 IN, WHITE	1776.000	0.92	1637.88
0215	150-1010	LS	TRAFFIC CONTROL - CM000-00BK-00(042)	1.000	80000.00	80000.00
0220	515-2015	LF	GALV STEEL PIPE HANDRAIL - CM000-00BK-00(042)	180.000	48.00	8640.00
0240	702-0030	EA	ACER RUBRUM - CM000-00BK-00(042)	23.000	300.00	6900.00
0250	702-0140	EA	CERCIS CANADENSIS - CM000-00BK-00(042)	42.000	245.80	10323.88
0260	702-0220	EA	CRATAEGUS PHAENOPYRUM - CM000-00BK-00(042)	44.000	300.00	13200.00
0270	702-0542	EA	LAGERSTROEMIA INDICA - CM000-00BK-00(042)	17.000	250.00	4250.00
0275	702-0897	EA	QUERCUS NUTTALLI - CM000-00BK-00(042)	23.000	300.00	6900.00
0280	702-0908	EA	QUERCUS SHUMARDII - CM000-00BK-00(042)	26.000	300.00	7800.00
0285	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	300.000	3.03	911.20
0290	171-0020	LF	TEMPORARY SILT FENCE, TYPE B	7052.000	1.50	10578.00
0295	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	100.000	1.10	110.34
0300	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	200.000	3.57	714.46
0305	702-0855	EA	QUERCUS ALBA - CM000-00BK-00(042)	26.000	300.00	7800.00
ITEM TOTAL						853582.87
ENGINEERING AND INSPECTION @ 5%						42,679.14

P.I. Number 762527

County FULTON

Project Number CM000-00BK-00(042)

**Special Provision, Section 109-Measurement and Payment  
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

ENTER FPL DIESEL	3.403
ENTER FPM DIESEL	7.657

ENTER FPL UNLEADED	3.008
ENTER FPM UNLEADED	6.768

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

<b>INCREASE ADJUSTMENT</b>
<b>125.00%</b>

<b>INCREASE ADJUSTMENT</b>
<b>125.00%</b>

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	860.000	0.29	249.40	0.24	206.40	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	1540.000	2.90	4466.00	0.71	1093.40	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __ Concrete (CY) Section 500	125.00	744.34	93.0425	8.00	744.34	1.50	139.56	
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		

<b>SUM QF DIESEL=</b>	<b>5459.74</b>	<b>SUM QF UNLEADED=</b>	<b>1439.36</b>
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<b>DIESEL PRICE ADJUSTMENT(\$)</b>	<b>\$21,366.42</b>
<b>UNLEADED PRICE ADJUSTMENT(\$)</b>	<b>\$4,979.05</b>



**ASPHALT CEMENT PRICE ADJUSTMENT FOR  
BITUMINOUS TACK COAT(Surface Treatment 125% MAX)**

*APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT*

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

ENTER APL

ENTER APM

**MISSING APL OR APM**

**MISSING APL OR APM**

Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT =		<input type="text"/>
REMARKS:		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
TMT =		<input type="text"/>
REMARKS:		

**MONTHLY PRICE ADJUSTMENT(\$)**

**MISSING APL OR APM**

**ADJUSTMENT SUMMARY**

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

DIESEL PRICE ADJUSTMENT(\$) \$21,366.42

UNLEADED PRICE ADJUSTMENT(\$) \$4,979.05

ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX) \$1,335.95

400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX) MISSING APL OR APM

REMARKS:

**TOTAL ADJUSTMENTS**

**\$27,681.41**

Attachment 3

# Preliminary Right of Way Cost Estimate

Date: 10-04-2010

Project: CM000-00BK-00(042) DANFORTH RORD

P.I. Number: 762527

Existing/Required R/W:

No. Parcels: 39

Project Termini: APPROX. 200 FEET WEST OF REUNION PLACE

Project Description: 3950 L.F OF SIDEWALK IMPROVEMENTS

**Land:**

Commercial	0 s.f	@ \$	0 /s.f. =	\$0
Industrial	0 s.f	@ \$	0 /s.f. =	\$0
Residential				
REQ'D R/W	5,211 s.f	@ \$	0.65/s.f. =	\$ 3,378
CONST. EASMT	88,241 sf	@ \$	0.33/s.f. =	\$ 29,120
Agricultural	0 s.f	@ \$	0 /s.f. =	<u>\$0</u>
<b>TOTAL</b>				<b>\$ 32,498.00</b>

**Improvements:**

**Relocation:**

Commercial @ \$25,000/parcel	=	\$0
Residential @ \$40,000/parcel	=	\$0 _____

**TOTAL** **\$ 0**

<b>Damages: Proximity</b>	<b>\$0</b>	
Consequential	<b>\$0</b>	
Cost to Cure	<b>\$0 _____</b>	<b>\$</b>

**TOTAL** **\$ 0**

**SUB-TOTAL:** **\$ 32,498**

Net Cost		\$ 32,498.00
Scheduling Contingency	55 %	\$ 17,874.00
Adm/Court Cost	60 %	<u>\$ 19,498.00</u>
<b>TOTAL</b>		<b>\$ 69,870.00</b>

**Total Cost**

Prepared By:

  
ARCADIS/BPA JOINT VENTURE

**\$**

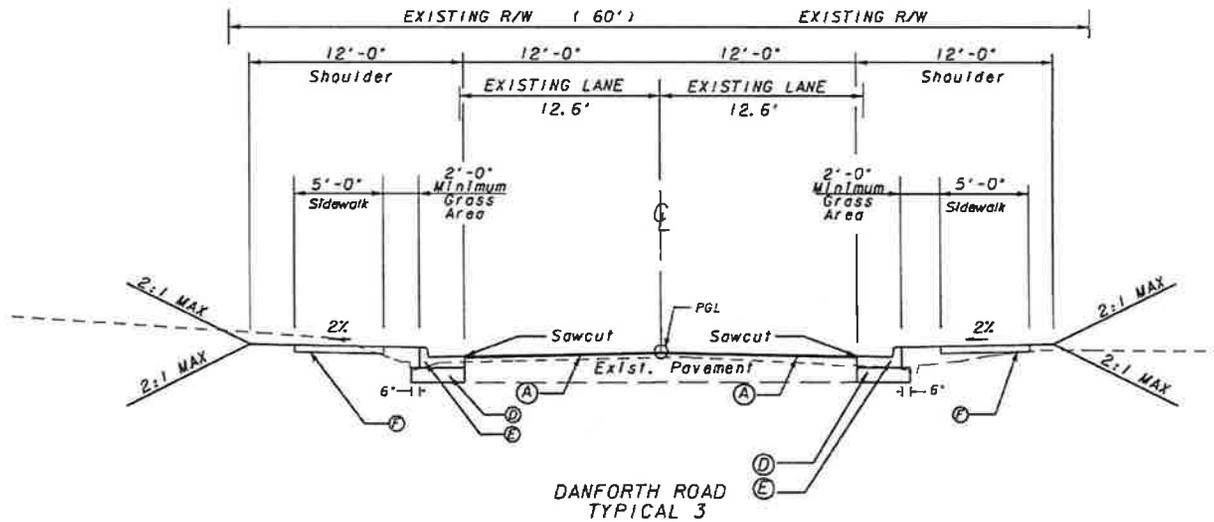
Reviewed / Approved:

\_\_\_\_\_  
Jerry Milligsn  
R/W Cost Estimator

Note: Accuracy of estimate is the sole responsibility of the Preparer.

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

# ATTACHMENT 4 REVISED TYPICAL SECTION



**REQUIRED PAVEMENT**

- (A) RECYCLED ASPH CONC 9.5 mm SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME (165 LBS/SY) (1-1/2")
- (B) GRADED AGGREGATE BASE CRS, 10" THICK, INCL MATL
- (C) 6" CURB WITH 24" GUTTER TP 2
- (D) 4" CONCRETE SIDEWALK

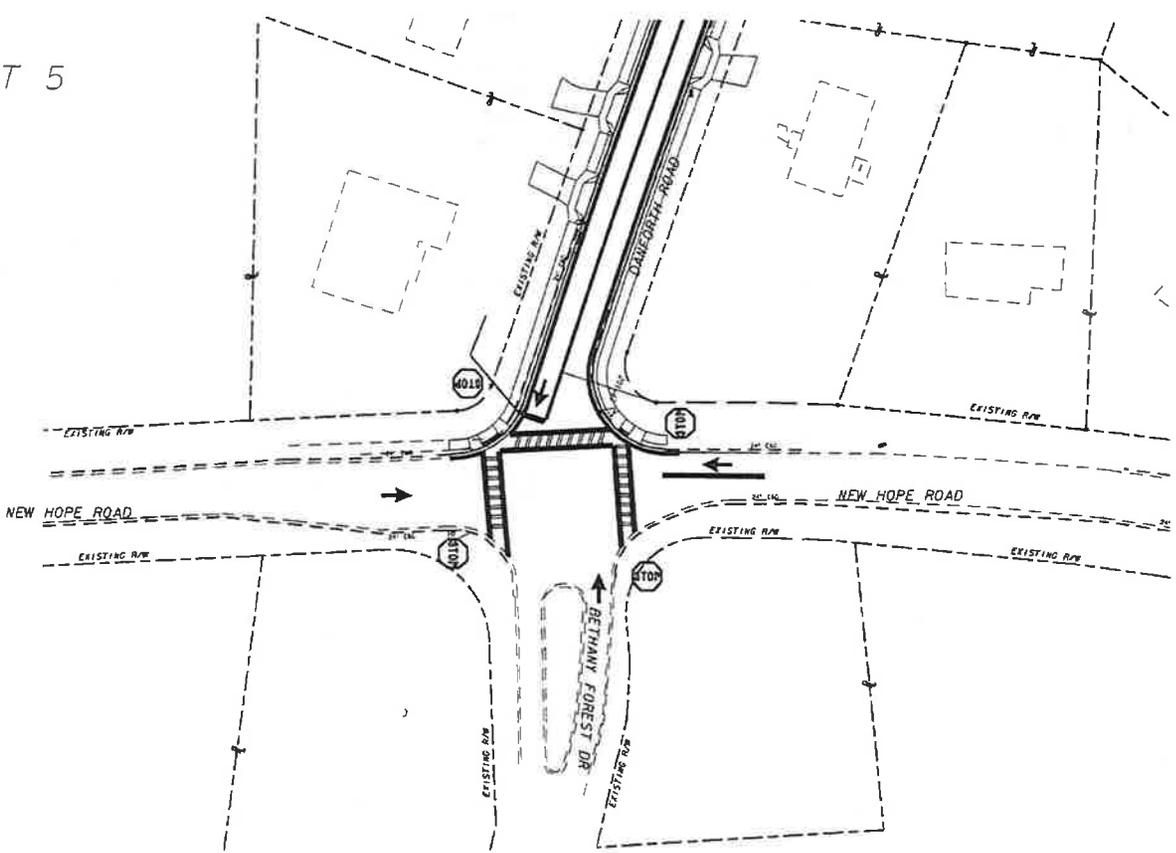
NOT TO SCALE



CITY OF ATLANTA

REVISION DATES		CITY OF ATLANTA		DEPARTMENT OF PUBLIC WORKS
		OFFICE:	<b>TYPICAL SECTIONS</b>	
			DANFORTH ROAD	DRAWING NO.:

ATTACHMENT 5



**4 WAY STOP INTERSECTION**



REVISION DATES	

CITY OF ATLANTA  
DEPARTMENT OF PUBLIC WORKS  
OFFICE OF TRAFFIC AND TRANSPORTATION

**4 WAY STOP INTERSECTION**

DANFORTH ROAD

DRAWING NO.