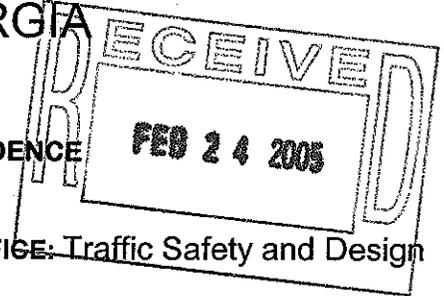


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: CSSTP-0006-00(657), Fulton County
P.I. No. 0006657
Mt. Vernon Highway at Four Locations and
Peachtree Dunwoody Road at Two Locations

OFFICE: Traffic Safety and Design

DATE: February 22, 2005

KG/KB/DO
FROM: Keith Golden, P.E., State Traffic Safety and Design Engineer

TO: Bryant Poole, District Engineer-Chamblee
Attention: Mike Lobdell

SUBJECT: **Approved Concept Report**

Attached is a copy of the approved Concept Report for the above referenced project for your further handling.

The proposed project to upgrade six intersections is located along and adjacent to Mount Vernon Road in Fulton County. Intersection upgrades include the addition of sidewalks for connectivity and PCID Public Space Standards high visibility crosswalks, adding ADA ramps and hardscapes, and modifying sizes of raised islands to allow for proper crosswalk installation. The installation will include PCID decorative mast arm poles with luminaries and illuminated street name signs. Pedestrian lighting will be added throughout the entire project using decorative poles. The current traffic signals will be upgraded.

If you have any questions or comments, please contact Kathy Bailey at 404-635-8134 or Courtney Johnson at 404-635-8128.

KG:KB:cgj
Attachments

- cc: Paul Mullins, Chief Engineer, letter only
- Buddy Gratton, Director of Preconstruction, letter only
- ~~Meg Pirkle, Assistant Director of Preconstruction, with attachment~~
- David Mulling, State Project Review Engineer, with attachment
- Joseph Palladi, State Transportation Planning Administrator, with attachment
- Jamie Simpson, State Financial Management Administrator, with attachment
- Harvey Keeper, State Environmental/Location Engineer, with attachment
- Calvin Duncan, District 7 Traffic Engineer, with attachment
- Mark Sanford, District 7 Area 4 Engineer, with attachment

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17
2 1/2
3
9*

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District Seven

PROJECT CONCEPT REPORT

PERIMETER COMMUNITY IMPROVEMENT DISTRICT (PCID) MOUNT VERNON INTERSECTIONS IMPROVEMENT

Project No. CSSTP-0006-00 (657)
PIN - 0006657
County: FULTON

FEDERAL ROUTE NO: N/A
STATE ROUTE NO: N/A
COUNTY ROUTE NO: 131800 (Mount Vernon Road)

Recommended:

DATE 1-14-05

Kathleen A. Bailey
Project Manager

DATE 1-15-05

Phillip M. Albrec
State Traffic Safety and Design Engineer

DATE 1-21-05

Buy. Hoob
District Engineer

Approved:

DATE 1/25/05

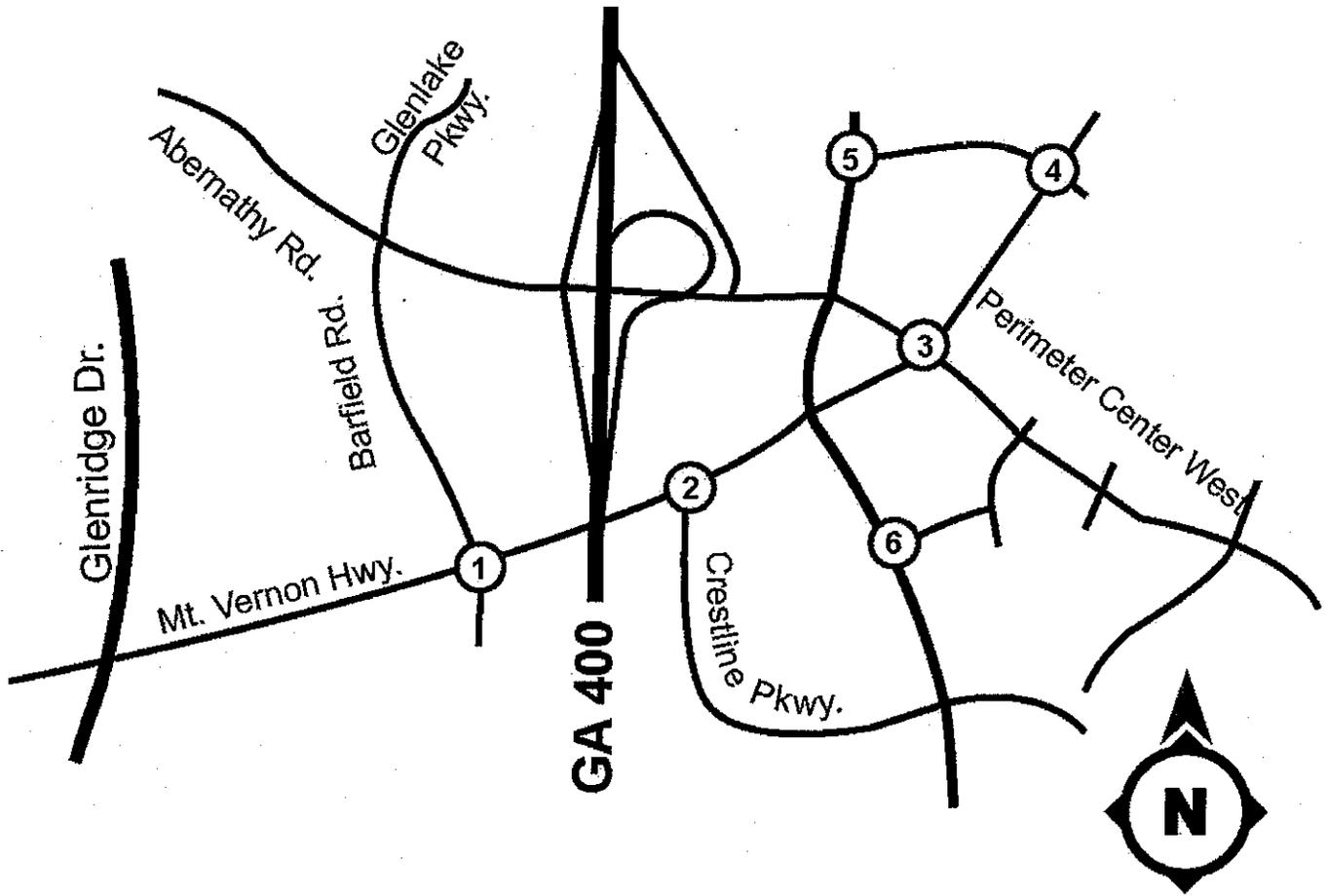
Paul M. Math
Chief Engineer

The 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).

Location Map

Fulton PCID Phase 1 Intersections

Project No. CS-STP-0006-00 (657) PIN - 0006657



- ① Mount Vernon Road at Barfield Road
- ② Mount Vernon at Crestline Parkway
- ③ Mount Vernon at Abernathy/Perimeter Center West
- ④ Mount Vernon at Northpark Place
- ⑤ Peachtree Dunwoody at Northpark Place
- ⑥ Peachtree Dunwoody at Costco

Need and Purpose: The Perimeter CID/Fulton area has been undergoing growth through an increase of retail, office, and residential development. This growth is expected to continue and even increase. Currently, the area lacks sidewalk connectivity and uniformity as well as adequate crosswalks. Many intersections are not ADA compliant. Additionally, the existing area conditions prohibit easy pedestrian access to transit systems and retail stores. The project intersections were chosen based on a need to improve vehicular and pedestrian facilities to provide safer pedestrian mobility in the Perimeter CID/Fulton. The primary goal of this project is to improve traffic and pedestrian safety. The secondary goals are to create a friendlier environment for pedestrians and improve vehicular operations.

Description of the proposed project: The proposed project to upgrade 6 intersections is located along and adjacent to Mount Vernon Road in Fulton County. Intersection upgrades include the addition of sidewalks for connectivity and PCID Public Space Standards high visibility crosswalks, adding ADA ramps and hardscapes, and modifying sizes of raised islands to allow for proper crosswalk installation. Intersection approaches will be milled and overlaid through the intersection to produce original grades and crowns so that the new Portland Cement concrete crosswalks will be at grade. The installation will include PCID decorative mast arm poles with luminaires and illuminated street name signs. Pedestrian lighting will be added throughout the entire project using decorative poles. The intersection traffic control will be upgraded to 2070 ATC controllers and pedestrian and vehicular LED signals. The communications will be upgraded to fiber along Mount Vernon Road and tie into the existing fiber at Peachtree Dunwoody at Mount Vernon. Peachtree Dunwoody at Northpark will tie into the existing fiber at Peachtree Dunwoody at Abernathy. The intersections included as part of this project are:

Intersections:

1. Mount Vernon Road at Barfield Road
2. Mount Vernon at Crestline Parkway
3. Mount Vernon at Abernathy/Perimeter Center West
4. Mount Vernon at Northpark Place
5. Peachtree Dunwoody at Northpark Place
6. Peachtree Dunwoody at Costco

Is the project located in a Non-attainment area? Yes No

These are non-capacity adding projects.

PDP Classification: Major , or Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Other

Functional Classification: Urban Minor Arterial

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

State Route Number(s): N/A

County Route Number(s): 131800

Traffic (AADT): Base Year: 2001 ADT on Mount Vernon Road East of GA 400 is 9,269

Design Year: N/A [These are non-capacity adding projects]

Existing Design Features:

- Typical Section: A minimum section is two 12' lanes, one in either direction, 24" concrete curb and gutter with 5' concrete sidewalk and some crosswalks. The section fluctuates from the minimum section to a 6-lane section that includes left turn lanes, divided 8' median, and 6' concrete sidewalk.
- Posted Speed: 35 mph
- Right-of-Way width: varies from 55' to 145'
- Maximum grade: 0.35%
- Major structures: N/A
- Existing length of project roadway segment: Approximately 1.4 miles.

Proposed Design Features:

- Typical Section: A minimum section is two 12' lanes, one in either direction, 24" concrete curb and gutter. At each intersection, crosswalks, pedestrian signal heads and ADA ramps will be installed. The section fluctuates from the minimum section to a 6-lane section which includes left turn lanes, divided 8' median, and 30" concrete curb and gutter.
- Posted Speed: 35 mph
- Right-of-Way width: varies from 55' to 145'
- Maximum grade: 0.35%
- Major structures: N/A
- Proposed length of project roadway segment: Approximately 1.4 miles.

Right of Way

- The project will be constructed in existing Right of Way where possible. Additional Right of Way may be required for sidewalk construction and/or placement of traffic signal poles.
- Easements: Temporary , Permanent , Utility , Other .
- Type of access control: Full , Partial , By Permit , Other .
- Number of parcels: 18
- Number of displacements: None expected
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0

Structures:

- Bridges – N/A
- Retaining walls: N/A

Major intersections: (See project description)

Traffic control during construction: Single lane closure for loop installation and curb work. Work hours restricted. No lane closure will take place between 5:00am to 9:00am and 4:00pm to 8:00pm, Monday

through Friday.

Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Design Variances: None expected

Environmental concerns: None expected

Level of environmental analysis:

- Are Time Savings Procedures appropriate? Yes , No ,
- Categorical exclusion ,
- Environmental Assessment/Finding of No Significant Impact (FONSI) , or Environmental Impact Statement (EIS) .

Utility involvements: Minor communications, power, or sanitary sewer conflicts possible. Coordinate with Georgia Power, Bellsouth, Atlanta Gas and Light, and Comcast if needed.

Project responsibilities:

- Project Management: PBS&J for FPCID/Fulton County
- Design: URS performing design for FPCID/Fulton County
- Right of Way Acquisition: FPCID/Fulton County
- Relocation of Utilities: Affected utilities or FPCID
- Letting to contract: FPCID/Fulton County
- Supervision of construction: FPCID/Fulton County
- Providing material pits: Contractor, if needed
- Providing Detour: Contractor, if needed

Coordination

- P. A. R. meetings, dates and results: *Not required*

- FEMA, USCG, and/or TVA: *Not required*
- Public involvement: *These intersections, and others, were discussed at a public meeting in January 2004. No additional public involvement is anticipated.*
- Local government comments: *Coordination with Fulton County*
- Other projects in the area: *See attached list*
- Other coordination to date: *None*
- Railroad Coordination: *Not required*

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 6 Months
- Time to complete preliminary construction plans: 3 Months
- Time to complete Right of Way plans: 3 Months
- Time to complete the Section 404 Permit: 0 Month
- Time to complete final construction plans: 2.5 Months
- Time to purchase Right of Way: 3 Months
- List other major items that will affect the project schedule: Possible utility conflicts

Other alternates considered: Various intersection and upgrade options were considered during the development of the Perimeter CID Intersection Master Plan created by URS for the Perimeter CID. The proposed designs were selected as the preferred alternatives.

Comments: None

Attachments:

- A. Other Projects in the Area
- B. Notice of Location and Design Approval
- C. Concept Report Rating Form
- D. Initial concept team meeting minutes
- E. Cost Estimates

**ATTACHMENT A
OTHER PROJECTS IN THE AREA**

The list of other projects in the PCID Area includes:

- Perimeter Center Pkwy Extension - HPP-0000-00(949); 0000949
- I-285 from SR 400 to N Shallowford Road - IMNH-285-1(388); 714000
- Perimeter Center Pkwy @ Perimeter Mall Entrance - MSL-0004-00(415); 0004415
- Perimeter Center West @ Perimeter Center Pkwy - MSL-0004-00(416); 0004416
- Perimeter Center West @ Bellsouth Entrance - MSL-0004-00(417); 0004417
- Perimeter Center West @ Perimeter Mall Entrance - MSL-0004-00(418); 0004418
- Perimeter Center West @ Meadow Lane - MSL-0004-00(419); 0004419
- Perimeter Center Pkwy Streetscapes and Intersections - MSL-0004-00(424); 0004424
- Perimeter Center Pkwy Nodal Transitscape - STP-0004-00(480); 0004480
- Perimeter Center West Streetscape - MSL-0004-00(831); 0004831
- Perimeter Center Area Wayfinding Signage - MSL-0004-00(833); 0004833
- Peachtree Dunwoody Streetscape - 0006267
- SR 400 from Hammond/ Abernathy to N of Spalding, Including CD System - NH-056-1(52); 721850
- Hammond Drive from Glenridge Drive to DeKalb County - CM-7533-00(000); 753300
- Perimeter Area Sidewalks - CM-7626-00(110); 762611 (under construction)
- Perimeter Intersection, phase 2 - STP-0002-00(296); 0002296
- Abernathy Road @ SR 400 Interchange improvements - locally funded

ATTACHMENT B
NOTICE OF LOCATION AND DESIGN APPROVAL

Projects No - CSSTP-0006-00 (657)

PI # 0006657

Fulton County

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 the following intersections:

1. Mount Vernon Road at Barfield Road
2. Mount Vernon at Crestline Parkway
3. Mount Vernon at Abernathy/Perimeter Center West
4. Mount Vernon at Northpark Place
5. Peachtree Dunwoody at Northpark Place
6. Peachtree Dunwoody at Costco

Date of Location and Design Approval: _____

This project is located in the Perimeter CID area along Mt Vernon Road and two adjacent intersections on Peachtree Dunwoody in Fulton County. The project proposes to improve 6 intersections in the Fulton Perimeter CID area. Drawings of maps or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation.

Thomas C. Parker, District Area Engineer
Department of Transportation
District Seven Decatur Area Office
805 George Luther Drive
Decatur, GA 30032
(404) 299-4386

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:

Keith Golden, Traffic Safety and Design Engineer
Department of Transportation
Office of Traffic Safety and Design
935 East Confederate Avenue
Atlanta, GA 30316
(404) 635-8115

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

**ATTACHMENT C
CONCEPT REPORT RATING FORM**

Project No. CSSTP-0006-00 (657)	County: Fulton	PI No. 0006657
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Report Date:	Concept By:
	DOT Office: Traffic & Safety Design
<input checked="" type="checkbox"/> CONCEPT	
	Consultant: URS CORPORATION

Project Type: Choose One From Each Column	<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Urban	<input type="checkbox"/> ATMS
	<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Rural	<input type="checkbox"/> Bridge
			<input type="checkbox"/> Building
			<input type="checkbox"/> Interchange
			<input type="checkbox"/> Intersection
			<input type="checkbox"/> Interstate
			<input type="checkbox"/> New Location
			<input type="checkbox"/> Widening & Reconstruction
			<input checked="" type="checkbox"/> Miscellaneous (sidewalks and intersections improvements)

FOCUS AREAS	SCORE	RESULTS
<u>Presentation</u>		
<u>Judgment</u>		
<u>Environmental</u>		
<u>Right of Way</u>		
<u>Utility</u>		
<u>Constructability</u>		
<u>Schedule</u>		

Breakdown of Project Funding
PI No. 0006657, Fulton

Phase	Local	Federal/State
Preliminary Engineering	\$ 187,161.00	
Right of Way	\$ 300,000.00	
Construction	\$ 3,051,604.20	\$ 600,000.00

The Fulton Perimeter Community Improvement District has signed a Project Management Agreement. The Department will execute the agreement when construction funds are authorized.

PRELIMINARY COST ESTIMATES SUMMARY OF PERIMETER CENTER INTERSECTIONS AND SIDEWALKS IMPROVEMENT
PI No. 0006657, FULTON

Materials	Unit	Quantity	Unit Price	Total Price
LUMP ITEMS				
TRAFFIC CONTROL	EA	6	\$15,000.00	\$ 90,000.00
PULL BOX, PB-4	EA	24	\$1,200.00	\$ 28,800.00
TRAFFIC SIGNAL INSTALLATION	EA	6	\$40,000.00	\$ 240,000.00
BRICK PAVERS, 3-1/8 IN THK	SF	225	\$30.00	\$ 6,750.00
BRICK WALL SEAT	LS	22	\$25,000.00	\$ 550,000.00
PCID DECORATIVE SINGLE MAST ARM ASSEMBLY	EA	23	\$33,000.00	\$ 759,000.00
PCID DECORATIVE DOUBLE MAST ARM ASSEMBLY	EA	0	\$38,000.00	\$ -
PCID 12' CROSSWALK	LF	1733	\$121.00	\$ 209,693.00
MAINTENANCE OF TEMPORARY SILT FENCE, TP C/EROSION CONTROL	LF	3320	\$1.50	\$ 4,980.00
TEMPORARY GRASSING	AC	4.075	\$536.00	\$ 2,184.20
Subtotal				\$ 1,891,407.20
GRADING AND DRAINAGE				
GRADING COMPLETE	LS	6	\$15,000.00	\$ 90,000.00
CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	2,675	\$14.00	\$ 37,450.00
CONC CURB & GUTTER, 6 IN X 24 IN, TP 7	LF	-	\$16.00	\$ -
STORM DRAIN PIPE, 18 IN, H 1-10	LF	925	\$30.00	\$ 27,750.00
FLARED END SECTION	EA	12	\$495.00	\$ 5,940.00
CATCH BASIN, GP 1	EA	12	\$2,500.00	\$ 30,000.00
STORM SEWER MANHOLE, TP 1	EA	6	\$2,500.00	\$ 15,000.00
Subtotal				\$ 206,140.00
BASE AND PAVING				
MILLING ASPH CONC PVMT, VARIABLE DEPTH	SY	29,796	\$3.50	\$ 104,286.00
RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H	TN	2,465	\$48.00	\$ 118,320.00
PLAIN PC CONC PVMT CLASS HES CONC, 8 INCH THK	SY	-	\$65.00	\$ -
GR AGGR BASE CRS, INCL MATL	SY	471	\$12.00	\$ 5,652.00
BITUM TACK COAT	GL	1,050	\$1.00	\$ 1,050.00
CONCRETE MEDIAN, 6 IN	SY	107	\$35.00	\$ 3,745.00
CLASS B CONC, BASE OR PVMT WIDENING	CY	22	\$150.00	\$ 3,300.00
SOD	SY	700	\$55.00	\$ 38,500.00
Subtotal				\$ 274,853.00
MISCELLANEOUS				
PED WARNING SIGNS ON CHANELIZED RT	EA	9	\$150.00	\$ 1,350.00
RELOCATE MEDIAN NOSE	EA	6	\$4,000.00	\$ 24,000.00
CONSTRUCT WHEEL CHAIR RAMPS	EA	35	\$800.00	\$ 28,000.00
INSTALL RAISED CORNER ISLAND	EA	1	\$10,000.00	\$ 10,000.00
INSTALL THERMOPLASTIC ARROW	EA	62	\$200.00	\$ 12,400.00
THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	48	\$75.00	\$ 3,600.00
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6,685	\$0.85	\$ 5,682.25
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	3,480	\$0.85	\$ 2,958.00
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	2,040	\$5.00	\$ 10,200.00
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	5,425	\$0.35	\$ 1,898.75
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	LF	1,100	\$0.35	\$ 385.00
THERMOPLASTIC TRAF STRIPING, YELLOW	SY	880	\$3.10	\$ 2,728.00
CONC SIDEWALK, 4 IN	SY	3,928	\$28.00	\$ 109,984.00
Subtotal				\$ 213,186.00
ATMS				
OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24	LIN / FT	7400	\$2.25	\$ 16,650.00
OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE	EA	7	\$200.00	\$ 1,400.00
FIBER OPTIC CLOSURE, UNDERGROUND, 24 FIBER	EA	12	\$535.00	\$ 6,420.00
FIBER OPTIC SPLICE, FUSION	EA	131	\$42.00	\$ 5,502.00
EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE	EA	6	\$1,507.00	\$ 9,042.00
INTERSECTION VIDEO DETECTION SYSTEM ASS'BLY, TYPE A	EA	23	\$5,480.00	\$ 126,040.00
TESTING	LS	1	\$3,000.00	\$ 3,000.00
DIRECTIONAL BORE	LIN / FT	6650	\$10.00	\$ 66,500.00
PULL BOX, PB-5	EA	10	\$1,226.00	\$ 12,260.00
CONDUIT, NONMETAL, TP 3, 2 IN	LIN / FT	6600	\$2.94	\$ 19,404.00
Subtotal				\$ 266,218.00
PEDESTRIAN LIGHTING				
PCID DECORATIVE LIGHTING STD, 12', POST TOP	EA	186	\$4,300.00	\$ 799,800.00
Subtotal				\$ 799,800.00
CONSTRUCTION TOTAL				\$ 3,651,604.20
DESIGN				\$ 187,161.00
RIGHT-OF-WAY ACQUISITION				\$ 300,000.00
GRAND TOTAL				\$ 4,138,765.20