

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

---

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

**FILE** P.I. #0009167 **OFFICE** Design Policy & Support  
STP-0009-00(167)  
GDOT District 7 - Metro Atlanta  
DeKalb County **DATE** August 9, 2011  
Main Street - Phase II Stone Mountain Livable  
Centers Initiative

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

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED CONCEPT REPORT

Attached is the approved 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  
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  
Michael Henry, Systems & Classification Branch Chief  
Bryant Poole, District Engineer  
Scott Lee, District Preconstruction Engineer  
Jonathon Walker, District Utilities Engineer  
Robert Hughes, Project Manager  
BOARD MEMBER - 4th Congressional District

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: STP-0009-00(167)

County: DeKalb

P. I. Number: 0009167

Federal Route Number:

State Route Number:

Phase II Stone Mountain Livable Centers Initiative Plan

Submitted for approval: (Submit to "Concept Reports" in Outlook)

DATE 9-29-10

DATE 9-27-10

DATE \_\_\_\_\_

DATE 4/27/2011

DATE 4/22/11

Recommendation for approval:

DATE \_\_\_\_\_

DATE 5-20-11

DATE 5-20-11

DATE 5-6-11

DATE 6-14-11

DATE \_\_\_\_\_

DATE \_\_\_\_\_

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).

DATE 5-11-11

[Signature] LA1 Engineering, Inc.  
Design Consultant Name and Firm Name (if applicable)

[Signature]  
Local Government (if applicable)

[Signature]  
Design Phase Office Head (if applicable)

[Signature]  
Office Head (Project Manager's Office)  
Project Manager

Program Control Administrator  
Glenn Bowman \*/KLP

State Environmental Administrator  
Kathy Zahut \*/KLP

State Traffic Engineer  
Ron Wishon \*/KLP

Project Review Engineer  
Andrew Hoernig \*/KLP

for State Utilities Engineer

District Engineer / District Utilities Engineer

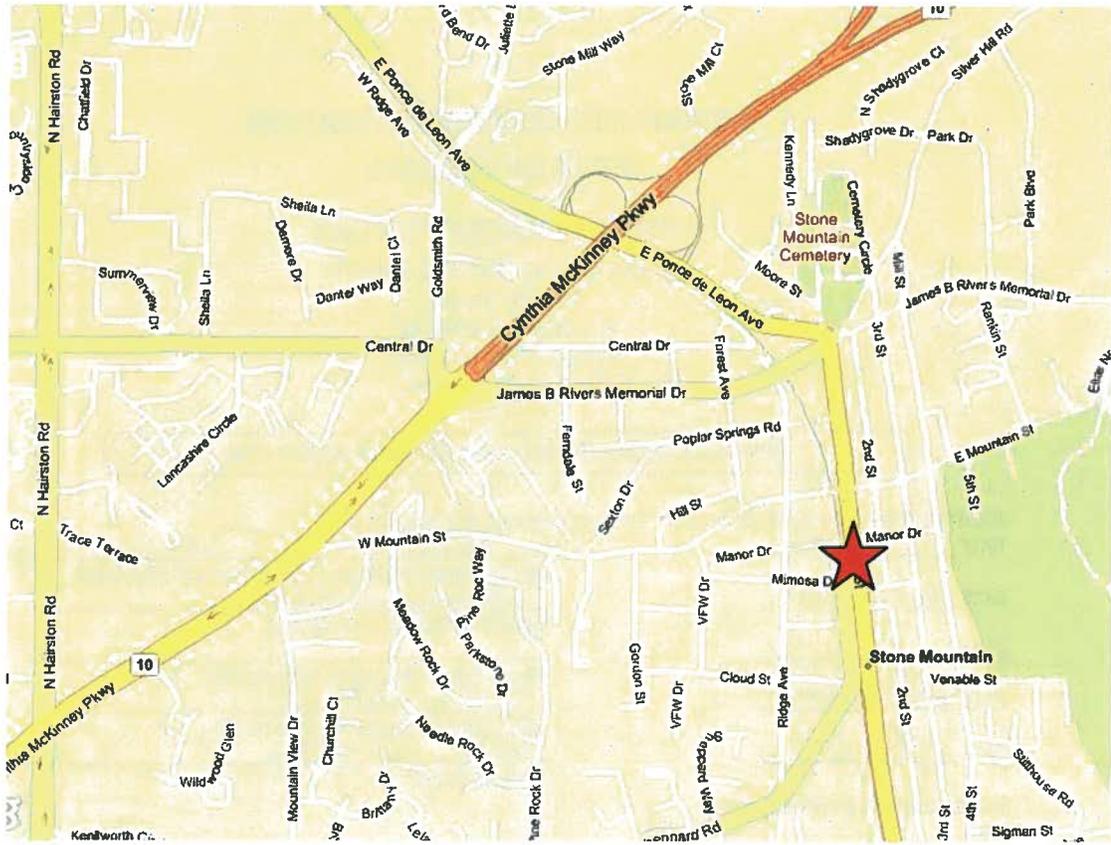
State Transportation Financial Management Administrator

[Signature]

State Transportation Planning Administrator

\* Recommendation on file

**Project Concept Report Page 2**  
**Project Number: STP-0009-00(167)**  
**P. I. Number: 0009167**  
**County: DeKalb**



**Figure 1: Location Map**

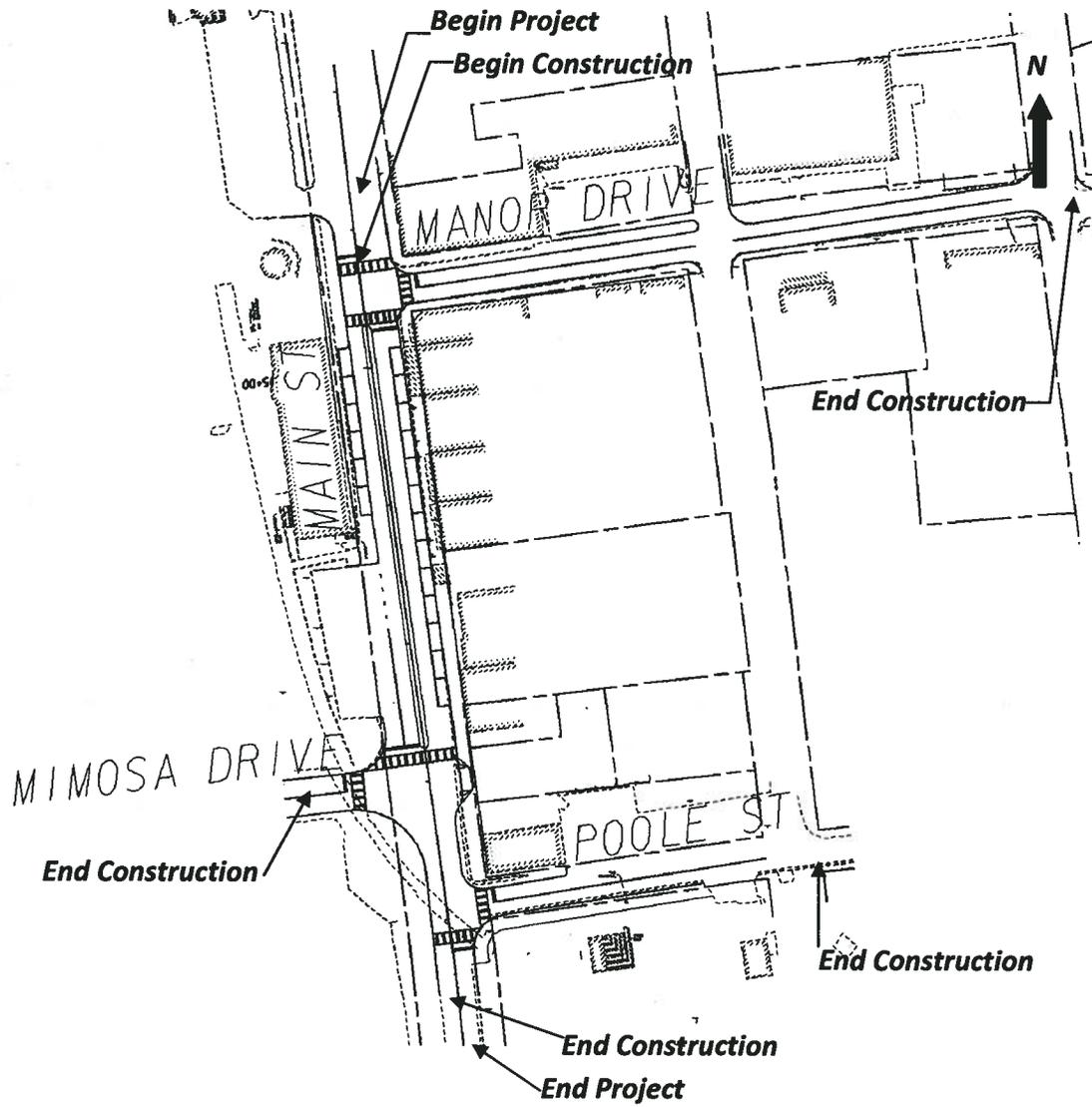


Figure 2: Detailed Location Map

**Project Concept Report Page 4**  
**Project Number: STP-0009-00(167)**  
**P. I. Number: 0009167**  
**County: DeKalb**

**Need and Purpose:** The need and purpose of Streetscapes Phase II is to physically revitalize the downtown Stone Mountain Main Street District in order to enhance economic development, pedestrian travel, and to provide a link between the downtown area, the surrounding neighborhoods, and the local public amenities and services.

**Description of the proposed project:** This project is considered Phase II of the Stone Mountain Livable Centers Initiative Plan adopted by the Mayor and City Council in 2004 to enhance the Main Street District. This project is in the historic district of the City of Stone Mountain. Streetscapes Phase II will abut Streetscapes Phase I (PI # 0006569) on the north end of the project and the DeKalb County Trails Project (PI # 0006899) on the south end. This project's logical termini will tie into the existing Phase I sidewalks on the North end of the project and will tie into the existing PATH on the south end of the project. The proposed improvements will provide a connection from the existing sidewalks on both ends of Main Street to allow pedestrians to continue travel through the historic downtown district.

This project is located 100% within DeKalb County and the City of Stone Mountain city limits. The project limits begin along Main Street just north of Manor Drive and ends just south of Poole Street. This is a length of approximately 720 linear feet. The project also includes enhancements along Manor Drive and Poole Street beginning at the intersection of Main Street and extending east approximately 530 linear feet and 185 linear feet, respectively. In addition, there will be improvements at the intersection of Main Street and Mimosa Drive which extend west approximately 100 linear feet. These improvements include traffic calming through lane widths and distinctive striping between travel lanes and parking spots as well as widened pedestrian areas, lighting upgrades, additional landscaping, ADA compliant ramps, crosswalks, on-street parallel parking, and improved measures for pedestrian circulation. These improvements will increase the accessibility to the downtown area from local neighborhoods and will increase the connectivity between Main Street, Stone Mountain Park, the newly constructed Red Dog Park and the PATH at the southern end of the project. The pedestrian and landscaped island installation will also provide a pedestrian refuge area barrier between the two-way traffic. The upgraded and widened sidewalks will provide an area for bike traffic that is traveling on the proposed bicycle lanes to the south of the project. The project will contain brick pavers, which will be continued from the Phase I Project. Phase II will match the Phase I brick pavers and be locally maintained by the City of Stone Mountain, refer to the attached exhibit in Appendix G. The proposed sidewalks will address pedestrian traffic to local businesses and interests such as City Hall, the Stone Mountain Visitor's Center, and the Sue Kellogg DeKalb County Library.

Total project length of construction is approximately 1,535 linear feet.

**Is the project located in a PM 2.5 Non-attainment area?**  X  Yes   No

Project Concept Report Page 5  
Project Number: STP-0009-00(167)  
P. I. Number: 0009167  
County: DeKalb

Is this project located in an Ozone Non-attainment area?  X  Yes   No  
The City of Stone Mountain is classified as a Non-Attainment Area. However, this project will encourage pedestrian traffic along the project corridor as well as the adjacent neighborhoods. This increase in pedestrian traffic would benefit the Non-Attainment area by reducing travel by automobile and this improving air quality. In addition, this project proposes reducing the width of the existing travel lanes and permitting more area for additional landscaping.

PDP Classification: Major   Minor  X

Federal Oversight: Full Oversight ( ) Exempt (X) State Funded ( ) or Other ( )

Functional Classification: Principal Main St: Urban ~~Minor~~ Arterial Side Roads: Local Roads

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

Traffic (AADT):  
Base Year: (2009)  17,400  Design Year: (2029)  25,800

Existing design features:

- Typical Section:
  - Main Street:
    - Two travel lanes, one in each direction, North and South Bound (varies 12' to 15')
    - North bound and South bound parallel parking lanes (8')
    - Right turn lane southbound from Main St to Mimosa Dr.
    - 6" curb, granite header curb
    - North and South bound sidewalks (varies approximately 4'-6')
  - Manor Street:
    - Two travel lanes, one in each direction, East and West Bound (varies 8' to 12')
    - East and West Parallel parking lanes (8'), intermittently
    - No turn lanes
    - 6" curb, granite header curb
    - East and West bound sidewalks, intermittently (varies 4'-5')
  - Poole Street:
    - Two travel lanes, one in each direction, East and West Bound (varies 8' to 12')
    - East and West Parallel parking lanes (8'), intermittently
    - No turn lanes
    - 6" curb, granite header curb
    - East and West bound sidewalks, intermittently (varies 4'-5')
- Posted speed  25 mph

- Minimum radius for curve: Main St: 154' Side Streets: 154'
- Maximum super-elevation rate for curve: Main St: 4% Side St: 4 %
- Maximum grade: Main St: 7% Side St: 7%
- Width of right-of-way: Main Street 60 ft.
- Major structures: N/A
- Major interchanges or intersections along the project. N/A
- Existing length of roadway segment and the beginning mile logs for each county segment. For new location projects, the existing length of roadway is zero (0).  
Main Street: 720' Manor Street: 530' Poole Street: 185' Mimosa: 100'
- If an expansion or add-on to an existing ITS system (such as NaviGator), identify physical limits of field device location and/ or brief explanation of new features.  
N/A

**Proposed Design Features:**

- Proposed typical section(s):
  - Main Street:
    - Two 11' travel lanes, one in each direction, North and South Bound
    - 6' wide Pedestrian and Landscaped Island
    - North bound and South bound parallel parking lanes (8') where available
    - Right turn lane southbound from Main St to Mimosa Dr.
    - 6" curb, granite header curb
    - North and South bound sidewalks (varies approximately 5'-14')
  - Manor, Poole, and Mimosa Streets:
    - Two 10' travel lanes, one in each direction, North and South Bound
    - North bound and South bound parallel parking lanes (8')
    - 6" curb, granite header curb
    - North and South bound sidewalks (varies approximately 6'-14')
- Proposed Design Speed Mainline 25 mph
- Proposed Maximum grade Mainline 5.25 %
- Maximum grade allowable 7 %
- Proposed Maximum grade Side Street 3.6 %
- Maximum grade allowable 11 %
- Proposed Maximum grade driveway 2 %
- Proposed Minimum radius of curve Main St: 154 ft Side St: 154 ft
- Minimum radius allowable 154 ft
- Maximum allowable superelevation rate 4 %
- Proposed maximum superelevation rate 2 %
- Right-of-Way:
  - Width Varies
  - Easements: Temporary ( ) Permanent (X) Utility ( ) Other ( ).
  - Type of access control: Full ( ) Partial ( ) By Permit (X) Other ( ).

- Number of parcels: 13      Number of displacements: 0
  - Business: \_\_\_\_\_
  - Residences: \_\_\_\_\_
  - Mobile homes: \_\_\_\_\_
  - Other: \_\_\_\_\_

- Structures:
  - Bridges N/A
  - Retaining walls N/A
- Major intersections, interchanges, median openings and signal locations. Mimosa at Main Street is an existing signalized intersection
- For ITS projects identify physical limits of field device location, location of any control centers and/or brief explanation of new features. N/A
- Transportation Management Plan Anticipated: Yes ( ) No (X)
- Design Exceptions to controlling criteria anticipated:

	<u>YES</u>	<u>NO</u>	
	<u>UNDETERMINED</u>		
HORIZONTAL ALIGNMENT:	( )	(X)	( )
LANE WIDTH:	( )	(X)	( )
SHOULDER WIDTH:	( )	(X)	( )
VERTICAL GRADES:	( )	(X)	( )
CROSS SLOPES:	( )	(X)	( )
STOPPING SIGHT DISTANCE:	( )	(X)	( )
SUPERELEVATION RATES:	( )	(X)	( )
VERTICAL ALIGNMENT:	( )	(X)	( )
SPEED DESIGN:	( )	(X)	( )
VERTICAL CLEARANCE:	( )	(X)	( )
BRIDGE WIDTH:	( )	(X)	( )
BRIDGE STRUCTURAL CAPACITY:	( )	(X)	( )
LATERAL OFFSET TO OBSTRUCTION:	(X)	( )	( )

*A design variance will be requested for the horizontal clearance due to the proposed trees both in the island and on the sidewalk. According to the GDOT Design Policy Manual, a horizontal clearance of 4 ft. to trees and shrubs is required with a design speed of 35mph or less (Table 5.3) and 8 ft clearance in the median. A design variance will be requested for a width of 18-inches from the face of curb in all curbed areas.*

- The proposed roadway widths along Main Street are 11 ft and along Manor and Poole Streets are 10 ft. Manor Drive and Poole Street can be classified as “Urban Area Type A” and Main Street is classified as an “Urban Area Type B”. As per AASHTO Design Manual, Chapter 7 for Rural and Urban Arterials – Lane Widths design for urban collectors, Urban Type A & B, may vary from 10 to 12 feet.
- Environmental concerns – At this time, there are no significant environmental concerns or impacts. The proposed sidewalk design does not pose permanent derogatory impacts to any of the current property owners or tenants adjoining or

abutting the proposed project alignments. Impacts to places of worship, minority businesses, and cultural resources are not considered adverse in design, and are intended to improve pedestrian traffic connectivity and economy. Due to the prevalence of historic structures, by definition of both age and architectural style, Section 4(f) and Section 106 will be required. However, no adverse impacts are expected to any of the existing structures that are located on private property. One historic monument marker is proposed to be relocated from the City Hall property to the City Park and utilized in the same manner for the public's use. Local building permits are expected. No UST's have been detected. No hazardous waste or hazard mitigation sites have been identified. No State Waters have been identified within the project limits. No archaeological artifacts have been recovered or identified within the project limits.

- Anticipated Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X) No ( )
  - Categorical exclusion anticipated (Y).
  - Environmental Assessment/Finding of No Significant Impact anticipated (FONSI) (N).
  - Environmental Impact Statement (EIS) (N).
- Utility involvements: (Communications, Power, Gas, Petroleum, ITS, Railroads, etc.)
  - Georgia Power, City Public Works Department, Atlanta Gas & light, Dekalb County Water and Sewer Authority, Comcast Cable, Bell South, CSX Railroad
- VE Study Anticipated Yes ( ) No (N)
- Benefit/Cost Ratio N/A

**Project Cost Estimate and Funding Responsibilities:**

	PE	ROW	UTILITY	CST	MITIGATION
By Whom	Stone Mountain	Stone Mountain	Stone Mountain	GDOT	N/A
\$ Amount	\$89,250.00	\$4000.00	\$200,000.00	<del>\$1,306,349.10</del> \$1,075,816.99	\$0.00

\*CST Cost includes: Construction, Engineering and Inspection, Fuel Cost Adjustment, and Asphalt Cement Cost Adjustment.

**Project Activities Responsibilities:**

- Design: LAI Engineering
- Right-of-Way Acquisition: City of Stone Mountain
- Right-of-Way funding (real property): N/A
- Relocation of Utilities: City of Stone Mountain
- Letting to contract: City of Stone Mountain
- Supervision of construction: City of Stone Mountain
- Providing material pits: City of Stone Mountain
- Providing detours: Contractor

- Environmental Studies/Documents/Permits: LAI Engineering
- Environmental Mitigation: City of Stone Mountain

#### Coordination

- Initial Concept Meeting date and brief summary. The initial concept meeting was held on August 11, 2009 at the Stone Mountain City Hall. The minutes from this meeting are enclosed in Appendix 8. This initial concept meeting involved representatives from the City, LAI Engineering, and ARC.
- Concept meeting date and brief summary: Concept Meeting was held on April 14, 2010. See attached meeting minutes in Appendix 8.
- P A R meetings, dates and results. PAR meetings are not required.
- Public involvement. None to date, but future meetings will be scheduled before preliminary plans are completed.
- Local government comments. Local government has requested the project and has approved the initial concept study.
- Other projects in the area: On the North end, the project is adjacent to the Stone Mountain Streetscapes Phase I project which is expected to be let to construction in Spring 2010. On the South end, the project is adjacent to a De Kalb County Trail project which extends from Rockbridge Road to Mountain Street (Project Number CSSTP-0006-00(899); PI Number 0006899).
- Railroads: The property adjacent to Main Street on the west side of the project location from Manor Street to Poole St and is owned by the CSX Railroad. The Stone Mountain City Hall is located on CSX easement and the proposed improvements to the adjacent parking lot and Mimosa Drive will require coordination with CSX.
- Peer Review documentation (Roundabouts only): Not Applicable
- Other coordination to date: The City of Stone Mountain will be coordinating all utility relocations through the local utilities. This will include all lighting. In addition, the City will be responsible for the mow and maintenance agreement.

#### Scheduling – Responsible Parties' Estimate:

- Time to complete the environmental process: Begin: 3/10 End: 1/12
- Time to complete preliminary construction plans: Begin: 6/11 End: 9/11
- Time to complete right-of-way plans: Begin: 2/12 End: 3/12
- Time to complete the Section 404 Permit: Begin: NA End: NA
- Time to complete final construction plans: Begin: 9/11 End: 12/11
- Time to complete the purchase of right-of-way: Begin: 12/11 End: 3/12
- List other major items that will affect the project schedule: Begin: NA End: NA

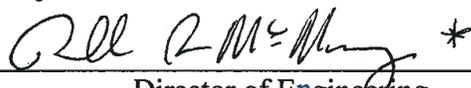
**Other alternates considered:** No build option: Does not accomplish project goals.

**Comments:** None

**Attachments:**

- A. Detailed Cost Estimates:
  - a. Construction including Engineering and Inspection.
  - b. Completed Fuel & Asphalt Price Adjustment forms.
  - c. Georgia Power Lighting Cost Estimate
- B. Typical sections.
- C. Accident summaries.
- D. Minutes of Concept meetings.
- E. Traffic Data
- F. Brick Paver Exhibit
- G. Letter from the City of Stone Mountain
- H. QC/QA Letter from LAI
- I. PFA

**Exempt projects**

Concur:  \*  
Director of Engineering

\* Schedule to be approved by  
"Schedule Review Committee"

Approve:   
Chief Engineer

Date: 8-8-11

Appendix A: Cost Estimate

Estimate Report for file "009167"

Section Cost Estimate					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	50000.0	TRAFFIC CONTROL -	50000.0
163-0232	1	AC	256.4	TEMPORARY GRASSING	256.4
163-0300	2	EA	926.78	CONSTRUCTION EXIT	1853.56
163-0550	3	EA	140.15	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	420.45
165-0030	25	LF	0.64	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	16.0
165-0101	2	EA	423.65	MAINTENANCE OF CONSTRUCTION EXIT	847.3
165-0105	3	EA	46.06	MAINTENANCE OF INLET SEDIMENT TRAP	138.18
171-0030	25	LF	2.68	TEMPORARY SILT FENCE, TYPE C	67.0
210-0100	1	LS	350000.0	GRADING COMPLETE -	350000.0
401-1001	100	LBS	5.0	COLD MIX FOR PATCHING	500.0
402-3113	5	TN	74.31	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	371.55
413-1000	5	GL	1.74	BITUM TACK COAT	8.7
441-0000	1257	LF	24.0	GRANITE HEADER CURB, 6 IN, TP 2	30168.0
441-0018	375	SY	34.54	DRIVEWAY CONCRETE, 8 IN TK	12952.5
441-0104	2200	SY	23.6	CONC SIDEWALK, 4 IN	51920.0
441-0756	170	SY	50.26	CONCRETE MEDIAN, 8 IN	8544.19
550-1180	230	LF	27.57	STORM DRAIN PIPE, 18 IN, H 1-10	6341.1
611-4003	1	EA	1500.0	RECONSTRUCT MISC DRAINAGE STRUCTURE	1500.0
611-5280	1325	LF	20.0	RESET GRANITE CURB	26500.0
611-5551	25	EA	477.0	RESET SIGN	11925.0
611-8120	11	EA	201.0	ADJUST WATER METER BOX TO GRADE	2211.0
611-8140	8	EA	462.26	ADJUST WATER VALVE BOX TO GRADE	3698.08
647-1000	1	Lump Sum	110000.0	TRAFFIC SIGNAL INSTALLATION NO -1	110000.0
653-0120	2	EA	68.12	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	136.24
668-1100	3	EA	2074.7	CATCH BASIN, GP 1	6224.09
670-9710	3	EA	2073.0	RELOCATE EXIST FIRE HYDRANT	6219.0
676-1000	2	EA	1000.0	DRINKING FOUNTAIN	2000.0
681-4120	50	EA	1801.24	LIGHTING STD, 12 FT MH, POST TOP	90062.0
700-6910	1	AC	660.3	PERMANENT GRASSING	660.3
754-4000	10	EA	969.3	WASTE RECEPTACLE UNIT	9693.0
754-5000	15	EA	2533.80	BENCH	38007.9
754-6000	2	EA	975.84	BICYCLE RACK	1951.68
900-0039	4100	SF	5.78	BRICK PAVERS	23698.0
NONE	13	EA	4000.0	PAVER TREE GRATES	52000.0
NONE	30	EA	2000.0	TREE GRATE	60000.0
NONE	1	Lump Sum	50000.0	LANDSCAPING	50000.0
<b>Section Sub Total:</b>					<b>\$1,010,891.24</b>

Total Estimated Cost: \$1,010,891.24

Subtotal Construction Cost	\$1,010,891.24
E&C Rate 10.0 %	<del>\$101,089.12</del> \$0.00
Inflation Rate 4.0 % @ 2 Years	<del>\$90,737.60</del> \$0.00
E&I (5%)	<del>\$50,544.56</del>
<b>Total Construction Cost</b>	<del>\$1,202,717.96</del> \$1,075,816.94
Right Of Way	\$4000.00
ReImb. Utilities	200000.00
<b>Grand Total Project Cost</b>	<del>\$1,402,717.96</del> \$1,279,816.94

\*Above calculations do not include engineering and inspection and fuel and asphalt adjustments.

Appendix A: Cost Estimate

Cost Estimate	
Base Construction Cost	<del>\$1,202,717.96</del>
Engineering and Inspection	<del>\$60,135.90</del>
Fuel and Asphalt Adjustment	\$14,381.14
<b>Total Construction Cost</b>	<del>\$1,277,235.00</del>
Right-of-Way	\$0.00
Utilities (Reimbursable)	\$200,000.00
Utility Contingencies	\$0.00
Environmental Mitigation	\$0.00
<b>Total Project Cost</b>	<del>\$1,477,235.00</del>
	<del>\$1,279,816.94</del>

\$ 1,010,891.24  
 \$ 50,544.56  
 \$ 1,075,816.94  
 \$ 4,000

Appendix A: Cost Estimate

P.I. Number 0009167 County DeKalb  
 Project Number STP-0009-00(167)

Special Provision, Section 109-Measurement and Payment								
<b>FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)</b>								
ENTER FPL DIESEL		2.772		ENTER FPL UNLEADED		2.538		
ENTER FPM DIESEL		6.237		ENTER FPM UNLEADED		5.7105		
<a href="http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx">http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx</a>								
INCREASE ADJUSTMENT				INCREASE ADJUSTMENT				
125.00%				125.00%				
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)		0.29		0.24				
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)	372.000	2.90	1078.80	0.71	264.12			
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				8.00		1.50		
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 Plan Quantity (LB) Section 501				8.00		1.50		

Appendix A: Cost Estimate

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 Casson____(LF) Section 524				8.00		1.50	
Drilled Casson____(LF) Section 524				8.00		1.50	
Drilled Casson____(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>1078.80</b>	<b>SUM QF UNLEADED =</b>		<b>284.12</b>
<b>DIESEL PRICE ADJUSTMENT(\$)</b>				<b>\$3,439.00</b>			
<b>UNLEADED PRICE ADJUSTMENT(\$)</b>				<b>\$770.89</b>			

Project Concept Report Page 15  
 Project Number: STP-0009-00(167)  
 P. I. Number: 0009167  
 County: DeKalb

Appendix A: Cost Estimate

<b>ASPHALT CEMENT PRICE ADJUSTMENT</b> <b>(BITUMINOUS TACK COAT 125% MAX)</b>				
APPLICABLE TO CONTRACTS/PROJECTS CONTAINING THE 413 SPECIFICATION, SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT				
<a href="http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx">http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx</a>				
ENTER APL	709	ENTER APM	1595.25	
125.00%		INCREASE ADJUSTMENT		
L.I.N.	TYPE	TACK (GALLONS)	TACK (TONS)	REMARKS
		10	0.0430	
			TMT = 0.0430	
PRICE ADJUSTMENT(\$)			\$36.54	

<b>400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX</b>					
<a href="http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx">http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx</a>					
ENTER APL	453	ENTER APM	1019.25		
125.00%		INCREASE ADJUSTMENT			
L.I.N. / Spec Number	MIX TYPE	HMA	JMF AC%	AC	REMARKS
402-3113	12.5 mm SP	372	5.00	18.60	
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			TMT =	18.60	
PRICE ADJUSTMENT(\$)				\$10,110.96	

Project Concept Report Page 16  
 Project Number: STP-0009-00(167)  
 P. I. Number: 0009167  
 County: DeKalb

Appendix A: Cost Estimate

<b>ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)</b>			
APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT			
<a href="http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx">http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx</a>			
ENTER APL <input style="width: 50px;" type="text" value="709"/>		ENTER APM <input style="width: 50px;" type="text" value="1595.25"/>	
<b>125.00%</b>		<b>INCREASE ADJUSTMENT</b>	
<b>Use this side for Asphalt Emulsion Only</b>		<b>Use this side for Asphalt Cement Only</b>	
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)	
413-1000	CRS-2h	10	
TMT = <input style="width: 50px;" type="text" value="0.0279"/>		TMT = <input style="width: 50px;" type="text"/>	
REMARKS:		REMARKS:	
<b>MONTHLY PRICE ADJUSTMENT(\$)</b>		<b>\$23.75</b>	

<b>ADJUSTMENT SUMMARY</b>	
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)	
DIESEL PRICE ADJUSTMENT(\$)	<b>\$3,439.00</b>
UNLEADED PRICE ADJUSTMENT(\$)	<b>\$770.89</b>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<b>\$36.54</b>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<b>\$10,110.96</b>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)	<b>\$23.75</b>
REMARKS:	
<b>TOTAL ADJUSTMENTS</b>	<b>\$14,381.14</b>

DMM 1019

**Project Concept Report Page 17**  
**Project Number: STP-0009-00(167)**  
**P. I. Number: 0009167**  
**County: DeKalb**

**Appendix A: Cost Estimate:**

**Barry Amos**

---

**From:** Shaw, Christopher L. [CLSHAW@southernco.com]  
**Sent:** Tuesday, March 02, 2010 11:59 AM  
**To:** Barry Amos  
**Subject:** Streetscape Lighting Proposal \*Revised\*

March 2, 2010

Mr. Barry Amos  
City Manager  
City of Stone Mountain  
922 Main St.  
Stone Mountain, Ga. 30083

Dear Barry:

I think we have finally come up with a solid resolution for the pole and fixture challenge we were having for the streetscape project. I am sending this proposal along with the drawings of the pole that I would like you to take a look at. I selected this pole because it met all of the criteria you were looking for and at the same time met the criteria that was required by G.D.O.T. for this type of project. Based on the changes that were made to the project I feel that this fixture/pole combination is going to look amazing once it is installed and also give you the ability you want to add things such as the banner arms, Christmas decorations, etc. So with that said, Georgia Power Company proposes the following:

- \* Install five (5) 25' decorative fluted post top poles
- \* Install twenty-nine (29) 16' decorative fluted post top poles
- \* Install seven (7) 150 watt high pressure sodium black Epic (large) post top fixtures
- \* Install forty-two (42) 150 watt high pressure sodium black Epic (medium) post top fixtures

I am going to give you the same pre-payment options that I gave you on the first proposal back in October 2008 from a -0- down all the way up to the governmental tariff rate. The monthly fee breakdown is as follows:

Pre-Payment Amount	Monthly Fee	Cost per Light
-0-	\$3,626.00	\$74.00
\$50,000.00	\$2,940.00	\$60.00
\$100,000.00	\$2,205.00	\$45.00
*\$193,700.00	*\$663.95	*\$13.55
* Governmental Tariff rate		

The increase in the cost per light from the first proposal is strictly a result of the pole. The pole is a fluted shaft steel material (instead of aluminum) with the GFI outlets pre-installed and pre-wired. Also, on the taller pole we will be using the original fixture I proposed but on the sidewalk, we will now use the same fixture in a slightly smaller scale. The smaller fixture will look much better at the lower height.

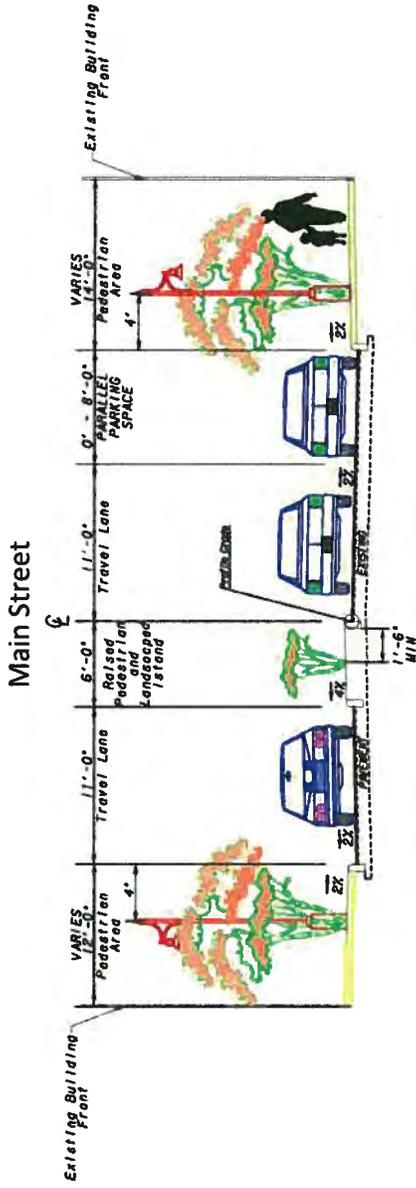
Barry, if you could let me know which of the "monthly" options is going to work best for the city, I can draft a work agreement and have it to you in a matter of minutes. Please give me a call with your decision or with any questions or comments you may have. This proposal is valid for (30) days from the above date.

Sincerely,

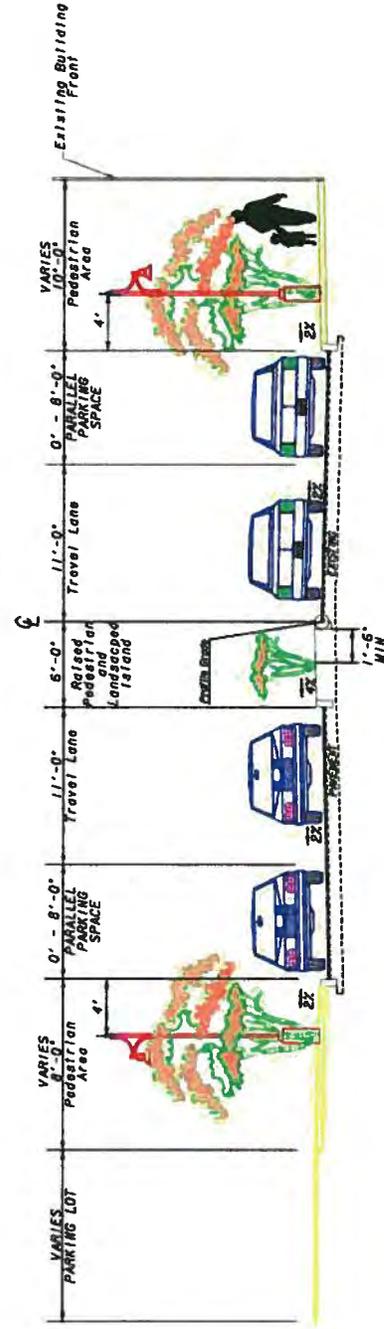
Chris Shaw  
Georgia Power Lighting Service  
O- 770-322-5713  
C- 404-862-9500

Project Concept Report Page 18  
 Project Number: STP-0009-00(167)  
 P. I. Number: 0009167  
 County: DeKalb

Appendix B: Typical Sections: Not to Scale

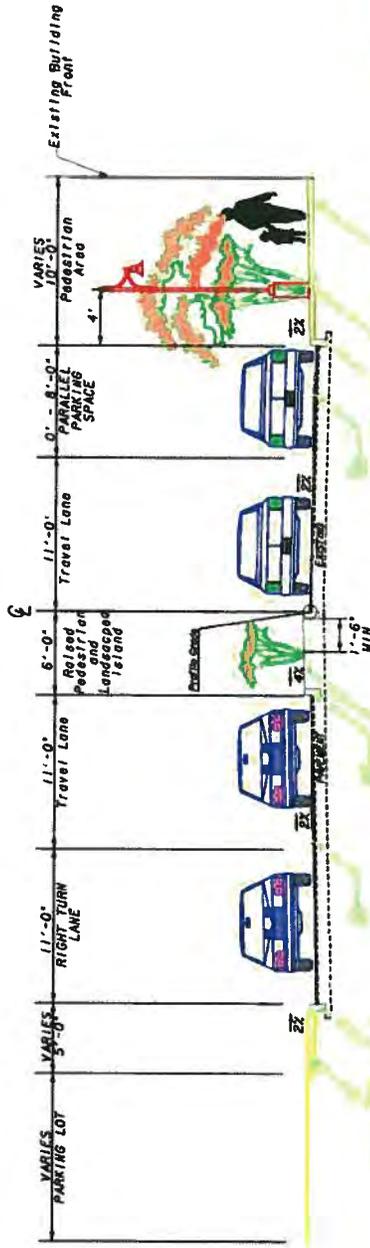


TYPICAL SECTION #1  
 TANGENT SECTION  
 STA TO STA

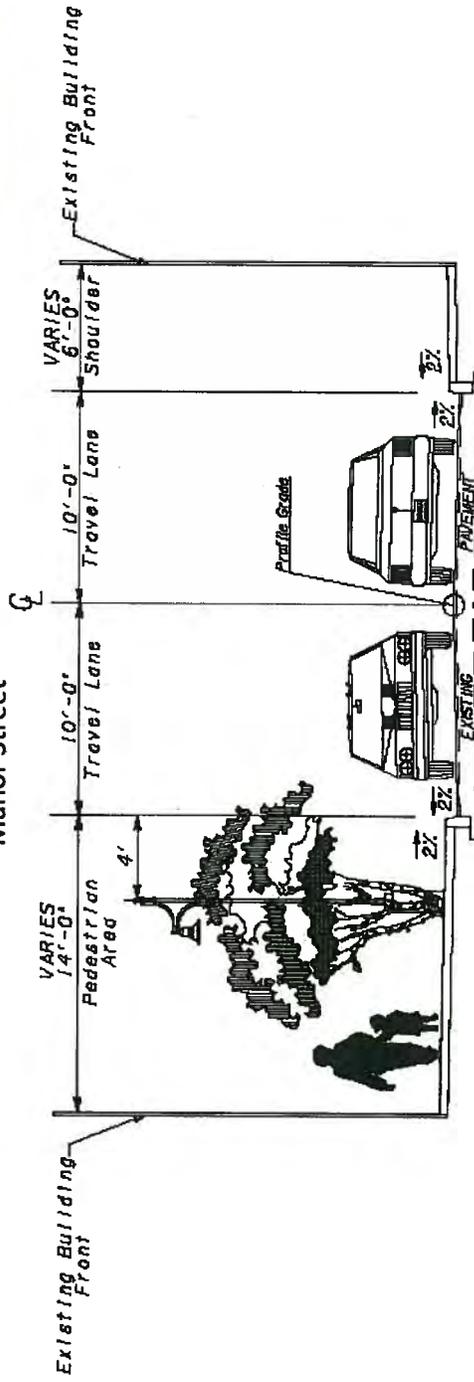


TYPICAL SECTION #2  
 TANGENT SECTION  
 STA TO STA

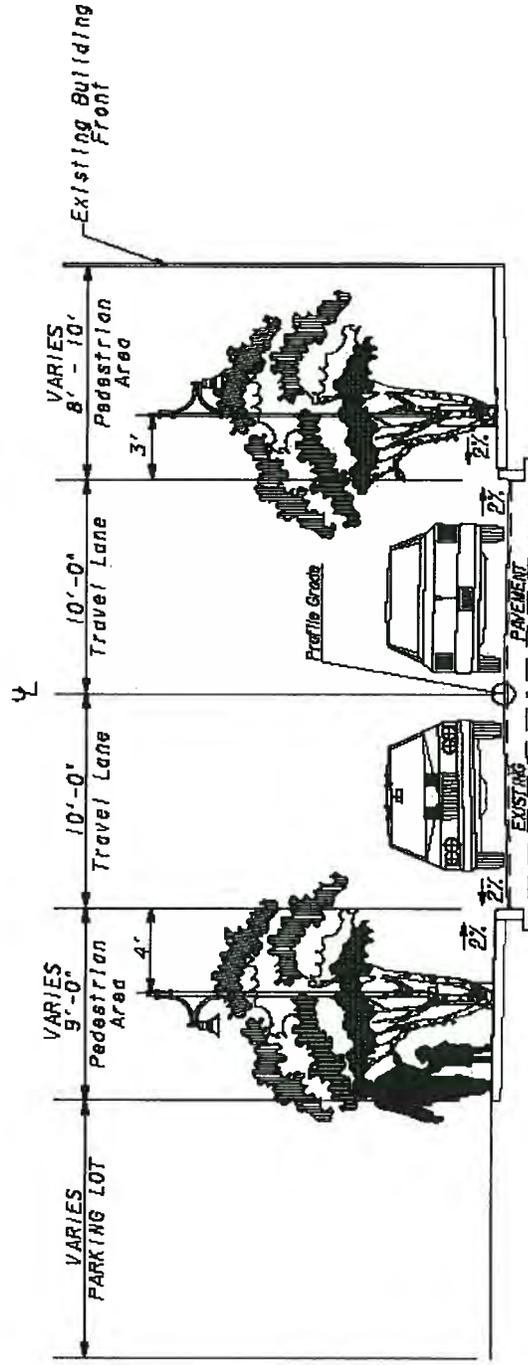
Project Concept Report Page 19  
 Project Number: STP-0009-00(167)  
 P. I. Number: 0009167  
 County: Dekalb



TYPICAL SECTION #3  
 TANGENT SECTION  
 STA TO STA  
 Manor Street

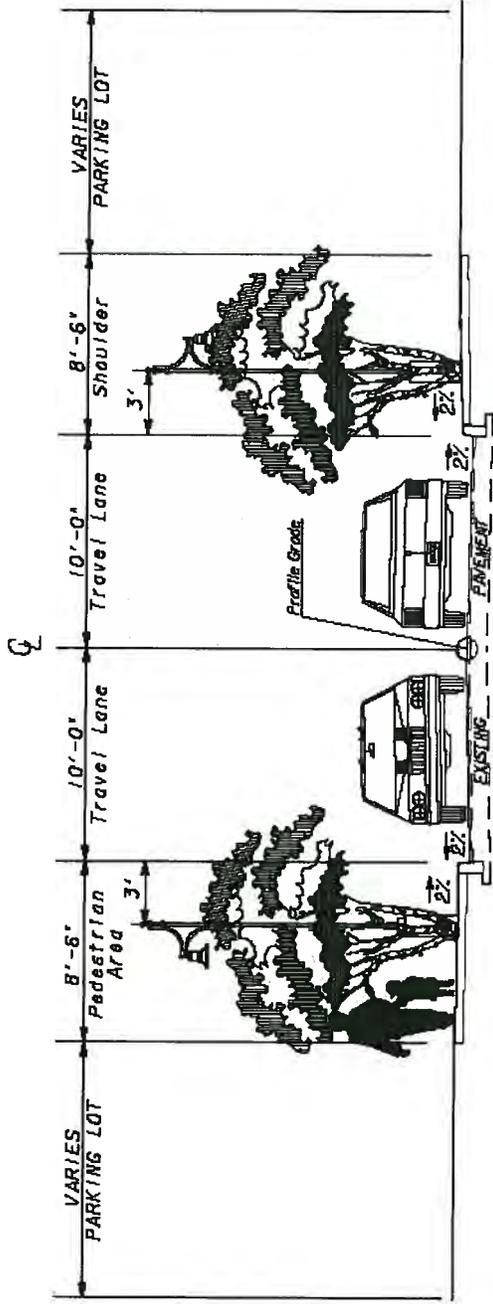


Typical Section #4  
 Manor Street

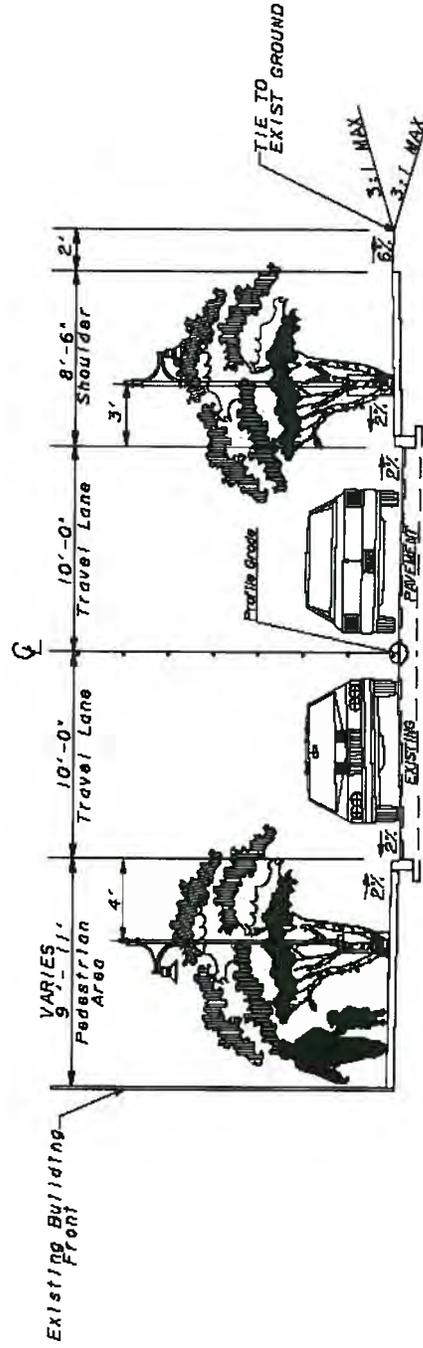


Typical Section #5  
Manor Street

Project Concept Report Page 21  
 Project Number: STP-0009-00(167)  
 P. I. Number: 0009167  
 County: Dekalb



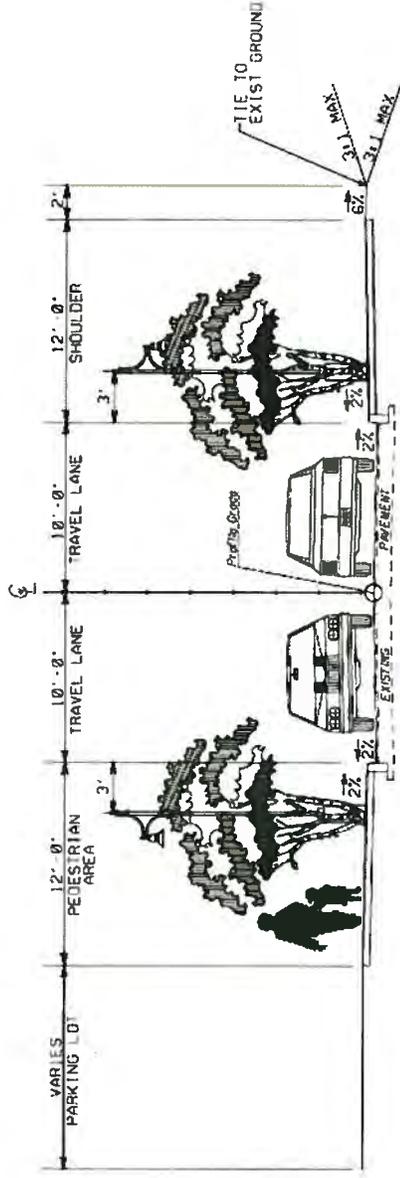
Typical Section #6  
 Manor Street



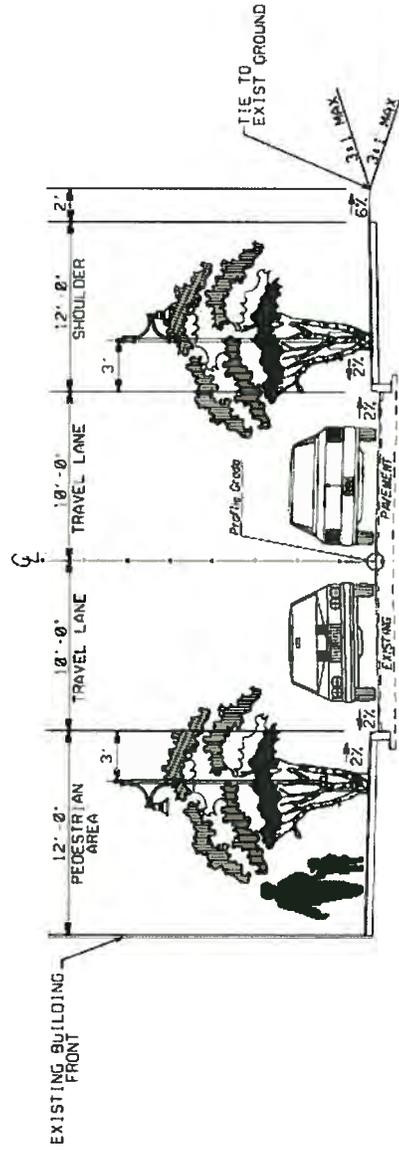
Typical Section #7  
 Poole Street

Project Concept Report Page 22  
Project Number: STP-0009-00(167)  
P. I. Number: 0009167  
County: DeKalb

# POOLE STREET



# Typical Section #8 Poole Street



Appendix C: Accident Summaries within Project Limits

	2004	2005 <sup>4</sup>	2006 <sup>1</sup>	2007 <sup>2</sup>	2008 <sup>3</sup>	Total	% of Total Accidents
Rear End Collision	3	10	3	6	7	29	67%
Improper Backing	3					3	7%
Failure to Yield	1		1			2	5%
Parked Car Hit		1		2		3	7%
Failure to Maintain Lane		2	1			3	7%
Hit and Run			1			1	2%
Improper Passing		1	1			2	5%
<b>Total Reported Accidents<sup>5</sup></b>	<b>7</b>	<b>14</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>43</b>	<b>100%</b>

Source: Stone Mountain Police Department

<sup>1</sup>One 2006 accident reported resulted in a citation of hit and run as well as a rear end collision.

<sup>2</sup>Of the 6 rear end collisions in 2007, one was a hit and run without a citation, and two were accidents without citations. Both accidents involving parked cars were hit and runs with no citations issued.

<sup>3</sup>Of the 7 rear end collisions in 2008, 2 resulted in no citation being issued.

<sup>4</sup>In 2005, the on-street parking was reconfigured from diagonal to parallel spaces.

<sup>5</sup>No pedestrian accidents were reported during this time period.

From the above accident data, it is apparent that 67% of the total accidents in the project area were rear end collisions. Rear end collisions are most often caused by the second motorist not stopping quickly enough to allow for adequate room between vehicles. Typically motorists traveling at increased speeds are unable to come to a safe stop in a timely manner. The existing wide travel lane widths and the lack of raised separation between North and South bound travel lanes does not promote slow, cautious driving. The proposed streetscape improvements will include such traffic calming measures as narrower travel lane widths and a 6' landscaped island between the North and South bound travel lanes. These improvements encourage slower speeds which may result in fewer rear end collisions.

Appendix D: Meeting Minutes



Project Details:	
Project No.: STP-0009-00(167)	PI No.: 0009167
Project Description: LCI Streetscapes Phase 2	
Meeting Details:	
Meeting Date: September 14, 2009	Meeting Location: Stone Mountain City Hall
Meeting Attendees: Anthony Prevost, Barry Amos, Haley Fleming, Gary Peet, Teresa Shell, David Hannon	
Summary Information:	
Author: Teresa A. Shell	Date Prepared: September 14, 2009
Copies Sent To: All present, See attached Sign-in Sheet	
Minutes Revised: September 25, 2009	

➤ Deliverables Distributed:

- LCI Transportation Project Implementation Checklist

➤ Meeting Summary:

- I. Updated Sponsor's Manual underway
  - A. LCI Transportation Checklist has been started by ARC and will be sent to the City (sponsor) and LAI (consultant) to fill in blanks
  - B. GDOT now asking for fulltime employee contact
    - i. All questions go from Sponsor to ARC to GDOT
    - ii. LAI may email ARC for important issues, but carbon copy the City
    - iii. Contract, funding, etc issues must be from City to ARC
  - C. GDOT is now asking for a detailed schedule
    - i. LAI will add a detailed schedule when submitting the checklist
- II. Design Process
  - A. LAI shall submit reports and plans to ARC electronically as pdfs. HHTB will review on behalf of ARC and submit comments back to LAI. LAI shall respond to comments and resend to ARC. Electronic files will also be submitted to ARC for review before submitting hard copies for FFPR.
  - B. Response to comments may be submitted on plans or in report format. Changes may be made according to the comments if agreed upon and performed in a timely manner before submitting LAI response to comments.



- C. After responding to ARC comments, LAI will submit hard copy plans to ARC for official PFPR submittal.
- D. After GDOT comments are received, LAI will not need to resubmit preliminary plans, but simply respond to GDOT comments.
- E. All utility correspondence should be submitted to show utility coordination.
- F. Consultant PE will stamp plans for FFPR, but may write "not for construction" on set.
- G. It is recommended that design variances are submitted with the concept report but not required.
- H. Detailed estimate is not required at PFPR
- I. The DBE goal needs to be requested well before the bid documents are submitted. DBE Goals must be approved by a GDOT Committee. A detailed estimate is required in order for ARC to make the request.
- J. When submitting final plans for FFPR, bid documents will be submitted.
- III. Proprietary Agreement
  - A. The City will work with Georgia Power, as done in Streetscapes Phase 1, to use light fixtures, power, etc. Light fixtures must be approved by FHWA
  - B. A letter must be written to GDOT, but submitted to ARC, that includes a cost estimate and lighting details for approval.
- IV. Construction Services
  - A. If testing services are needed, spell this out prior to advertising for bid.
  - B. City must request construction management services with cost estimate justifying the need for these services. This request must be submitted before the project is authorized to bid. Recommend that the request is made with the certification package.
  - C. Contract for construction is the bid amount plus contingency if asked for upfront.
- V. Status Updates
  - A. Status reports shall be submitted by LAI to ARC on a monthly basis beginning in October. The reports will be in the format of the template provided in the Sponsor's Manual.
- VI. Administrative
  - A. Force account work request shall be made from the City to GDOT, but submit to ARC
  - B. Robert Hughes, GDOT Project Manager, will set the Concept Meeting date
- Action Items:
  - I. LAI
    - A. Complete necessary dates on LCI Checklist
    - B. Complete concept report for submittal
    - C. Create detailed schedule for project progress
  - II. ARC
    - A. Email the updated LCI Checklist to meeting attendees



- B. LCI Sponsors Manual will be distributed at the LCI Workshop on October 6<sup>th</sup>.
- III. City of Stone Mountain
  - A. Complete necessary dates on LCI Checklist
- Additional Updates
  - Concept report is planned for submittal at the end of September/beginning of October
  - Field surveys are completed
  - Right-of-Way resolution is being completed at this time.
  - Environmental work is underway.

➤ Sign-In Sheet

• Anthony Prevost	HNTB	404-946-5728	<a href="mailto:aprevost@hntb.com">aprevost@hntb.com</a>
• Barry Amos	City	770-498-8984	<a href="mailto:bamos@stonemountaincity.org">bamos@stonemountaincity.org</a>
• Haley Fleming	ARC	404-463-3311	<a href="mailto:hffleming@atlantaregional.com">hffleming@atlantaregional.com</a>
• Gary Peet	City	770-498-8984	<a href="mailto:mavor@stonemountaincity.org">mavor@stonemountaincity.org</a>
• Teresa Shell	LAI	770-423-0807	<a href="mailto:TeresaS@laiengineering.com">TeresaS@laiengineering.com</a>
• David Hannon	LAI	770-423-0807	<a href="mailto:DavidH@laiengineering.com">DavidH@laiengineering.com</a>

Anthony Prevost	HNTB	404-946-5728	aprevost@hntb.com
Barry Amos	City	770-498-8984	bamos@stonemountaincity.org
Haley Fleming	ARC	404-463-3311	hffleming@atlantaregional.com
Gary Peet	City	770-498-8984	mavor@stonemountaincity.org
Teresa Shell	LAI	770-423-0807	teresas@laiengineering.com
David Hannon	LAI	770-423-0807	davidh@laiengineering.com



Project Details:	
Project No.: STP-0009-00(167)	PI No.: 0009167
Project Description: LCI Streetscapes Phase 2	
Meeting Details:	
Meeting Date: April 14 , 2010	Meeting Location: Stone Mountain City Hall
Meeting Attendees: Teresa Shell, Jeff Masisak, Ted Crabtree, Mac Cranford, David Hannon, Amy Goodwin, Bobby Dollar, Jim Tavenner, Robert Hughes, Joe Palladi, Barry Amos, Rob LeBeau, Keithan James	
Summary Information:	
Author: Teresa A. Shell	Date Prepared: April 16, 2010
Copies Sent To: All present	

➤ **Deliverables Distributed:**

- Local Let project letter was given to Teresa Shell.
- District Utilities Engineer Letter was given to Teresa Shell.

➤ **Meeting Summary:**

- I. Introduction of all those present.
- II. Cover Sheet
  - A. GDOT has updated the Plan Development Process.
  - B. LAI will use the updated cover sheet in the PDP and make no edits to any standard documents.
- III. Need and Purpose
  - A. No Comments
- IV. Description of Proposed Project
  - A. Robert Hughes expressed his concern over the high traffic volume counts. Jim Tavenner confirmed the existing traffic reflects high traffic counts.
  - B. The Truck Percentage is correct as trucks are not permitted on this road with the exception of delivery trucks and MARTA.
  - C. The multi-use path wording will be removed to eliminate confusion.
  - D. LAI will verify the construction limits are the same as in the GDOT Application from the City.



- V. Existing Design Features
  - A. No Comments
- VI. Proposed Design Features
  - A. The proposed project will tie-in to the Stone Mountain Phase I TE Project on the North end and will maintain the Phase 1 landscaped safety pedestrian island. The Dekalb Bike Path Project will tie-in on the South end.
  - B. Both Permanent and Temporary Easements should be checked and easement will be assumed permanent unless negotiated to temporary.
  - C. This project will require access control by permit and the concept report should reflect as such.
  - D. The existing signal at Mimosa and Main Street will be updated to include mast arms and a description of this will be added to the concept report.
- VII. Design Variances and Exceptions
  - A. The proposed roadway width does not require a design exception, but will require a design variance. The horizontal clearance will require a design exception.
  - B. All design exceptions and design variances should be submitted along with the final concept plan to ARC for review.
- VIII. Utilities
  - A. When emailing utility companies, LAI shall include the District on the emails.
  - B. The City is working with Georgia Power for pedestrian power poles.
- IX. Railroad
  - A. Existing spur line does not belong to CSX.
  - B. New Georgia Railroad, previous owner of the spur line, has gone out of business, and has abandoned the spur line.
  - C. Coordination will be done with property owners leasing Railroad property.
  - D. Coordination will be done with the State Right-of-Way office early in Right-of-Way process.
- X. Environmental Concerns
  - A. Remove the word permit from Section 4(f) and Section 106.
  - B. Time Saving Procedures are appropriate.
- XI. Project Responsibilities
  - A. The letting of contract will be City of Stone Mountain
  - B. Supervision of construction will be City of Stone Mountain
  - C. Detour signs and plan will be necessary.
  - D. Public meetings will be held.
  - E. Request money for inspection during the bidding process.



- F. Include all parties present in coordinating public meeting date.
  
- XII. Scheduling
  - A. The Right-of-Way purchase will need 9 - 12 months.
  
- XII. Attachments
  - A. Erosion Control should be broken out.
  - B. A force account for Georgia Power lighting should be included.
  - C. Produce a finding of interest letter.
  - D. GDOT will clarify the wording for brand name proprietary items.
  
- XIII. Typical
  - A. Trident Maples may be used for islands and streetscapes.
  - B. Any trees less than 30" cannot be used in landscapes.
  - C. Bushes in the island must be less than 40" in height and 3' in diameter.
  
- Action Items:
  - I. LAI
    - A. Complete meeting minutes and forward to all those present.
    - B. LAI will verify the construction limits are the same as in the GDOT Application from the City.
    - C. LAI will complete all revisions and resubmit Final Concept Report as well as Design Variances and Exceptions to ARC.
  
  - II. Georgia Department of Transportation
    - A. Confirm updated Cover sheet for Concept Plans.
  
- Additional Updates
  - Amy Goodwin emailed an additional comment to be added in the Final Concept Report. This comment was a reminder to ensure that all ADA and AASHTO requirements for sidewalk width are met in design. Specifically mentioned was Typical Section #2 for Main Street.
  
- Attachments
  - Sign-In Sheet



LAI ENGINEERING		PROJECT Name:		
		Subject:		
Comp. by:	Date:	Sheet No.	of	
Check. by:	Project No.:			
<u>Name</u>	<u>Email:</u>			
Teresa Shell	LAI Eng: teresa@laiengineering.com 770-423-0887			
JEFF MASISAK	LAI Jeff M@laiengineering.com			
TEO C PROTFER	GDOT t.protfers@dot.ga.gov			
Mac Crawford	GDOT-D7 mac Crawford @ dot.ga.gov			
Das J Hennessy	LAI Das J H@laiengineering.com			
Amy Goodwin	ARC agoodwin@atlantaregional.com			
Bryan Dollar	GDOT rdollar@dot.ga.gov			
Tom TAVANIAN	BETH OR STONE MOUNTAIN 770 498-4964 PUBLIC WORKS@STONE MOUNTAIN ORG. ORG			
Robert Hughes	GDOT OPD rhughes@dot.ga.gov			
Joe Pa Hachi	ARC-Land Use jpullack@atlantaregional.com LCT			
BARRY AMOS	STONE MOUNTAIN bamos@stonemountaincity.org			
Rob Lebow	ARC rlebow@atlantaregional.com			
Keithan James	GDOT kjames@dot.ga.gov			

Appendix F: Traffic Data

South of Poole St	
2009	
Truck Percentage	
AADT	17400
Count Type	Actual
Direction	NonDir
2008	
Truck Percentage	
AADT	17830
Count Type	Actual
Direction	NonDir
2007	
Truck Percentage	
AADT	16460
Count Type	Actual
Direction	NonDir
2006	
Truck Percentage	
AADT	15060
Count Type	Actual
Direction	NonDir
2005	
AADT	19690
Count Type	Actual
Direction	NonDir
2004	
AADT	18834
Count Type	Actual
Direction	NonDir
2003	
AADT	19228
Count Type	Actual
Direction	NonDir

Figure F-1: Historic Traffic Data Analysis  
 South of Poole Street

**Appendix G: Existing Brick Pavers from Phase I Project**



The above exhibit shows the brick pavers installed from the Phase I Project. The pavers are to be locally maintained and are located on a local street.

Appendix H: Letter from the City of Stone Mountain

**City of Stone Mountain**  
922 Main Street  
Stone Mountain, Georgia 30083



December 29, 2010

Georgia Department of Transportation  
District 7  
5025 New Peachtree Road  
Chamblee, GA. 30341

RE: Maintenance Agreement -- Streetscape Phase II  
Stone Mountain, GA. DOT PI # 0009167

Dear Sir:

The City will be responsible for energy costs, operation and maintenance of lighting, mowing and maintenance of the landscaped area of the above referenced project. This will include cutting the grass, cleaning debris away from the plants, trimming the plants, and keeping the plants healthy. To keep the plant healthy the City's Public Works Department will pick up trash and debris, fertilize the plants, and put mulch around the plants as needed. This work will be done every two weeks during the growing season and once a month during the winter season or more frequently if necessary.

If you have any questions, please give me a call at (770) 498-8984.

Sincerely

CITY OF STONE MOUNTAIN

  
Barry G. Amos, P.E.  
City Manager

Page 34  
Project Concept Report  
Project Number: STP-0009-00(167)  
P. I. Number: 0009167  
County: Dekalb

## Appendix I: QA/QC Letter



February 3<sup>rd</sup>, 2011

Ms. Merisha Robinson  
Georgia Department of Transportation  
District 7 Office - Chamblee  
5025 New Peachtree Road  
Chamblee, Georgia 30341

Re: City of Stone Mountain - Phase II Livable Centers Initiative Project  
STP-00009-00(167), PI No. 009167

Ms. Robinson:  
This letter is to certify the above referenced design documents were prepared by LAI Engineering and all documents have been reviewed with LAI's internal QA/QC process.

If you have any questions please contact Teresa Shell at 770-423-0807 ext 144.

Best regards,  
LAI Engineering

A handwritten signature in cursive script that reads 'Teresa Shell'.

Teresa Shell EIT  
Project Manager

Cc: Jeffrey Masisak, PE LAI Engineering

**AGREEMENT  
BETWEEN  
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
AND  
LOCAL GOVERNMENT NAME  
FOR  
TRANSPORTATION FACILITY IMPROVEMENTS**

This Framework Agreement is made and entered into this 17<sup>th</sup> day of June, 2009 by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and the City of Stone Mountain, acting by and through its Mayor and City Council or Board of Commissioners, hereinafter called the "LOCAL GOVERNMENT".

WHEREAS, the LOCAL GOVERNMENT has represented to the DEPARTMENT a desire to improve the transportation facility described in Attachment A, attached and incorporated herein by reference and hereinafter referred to as the "PROJECT"; and

WHEREAS, the LOCAL GOVERNMENT has represented to the DEPARTMENT a desire to participate in certain activities including the funding of

certain portions of the PROJECT and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT as set forth in this Agreement; and

WHEREAS, the Constitution authorizes intergovernmental agreements whereby state and local entities may contract with one another "for joint services, for the provision of services, or for the joint or separate use of facilities or equipment; but such contracts must deal with activities, services or facilities which the parties are authorized by law to undertake or provide." Ga. Constitution Article IX, §III, ¶(a).

NOW THEREFORE, in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the LOCAL GOVERNMENT hereby agree each with the other as follows:

1. The LOCAL GOVERNMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design), all reimburseable utility relocation costs, right of way acquisitions and construction, as specified in Attachment A, attached hereto and incorporated herein by reference. Expenditures incurred by the LOCAL GOVERNMENT and eligible for reimbursement by the DEPARTMENT shall not be considered reimbursible to the

LOCAL GOVERNMENT until the LOCAL GOVERNMENT receives a written notice to proceed for each phase of the PROJECT.

2. The DEPARTMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design) activities, right of way acquisitions or construction as specified in Attachment A.

3. It is understood and agreed by the DEPARTMENT and the LOCAL GOVERNMENT that the funding portion as identified in Attachment "A" of this Agreement only applies to the Preconstruction Engineering Activities. The Right of Way and Construction funding estimate levels as specified in Attachment A are provided herein for planning purposes and does not constitute a funding commitment for right of way and construction activities. The DEPARTMENT will prepare LOCAL GOVERNMENT Specific Activity Agreements for applicable Right of Way and Construction when appropriate.

Further, the LOCAL GOVERNMENT shall be responsible for repayment of any expended federal funds, if the PROJECT does not proceed forward to completion due to a lack of available funding in future Project phases.

4. The LOCAL GOVERNMENT shall be responsible for all costs for the continual maintenance of the project and the continual operations of any and all sidewalks and the grass strip between the curb and gutter and the sidewalk within the PROJECT limits.

5. Both the LOCAL GOVERNMENT and the DEPARTMENT hereby acknowledge that Time is of the Essence. It is agreed that both parties shall adhere to the schedule of activities currently established in the approved Transportation Improvement Program/State Transportation Improvement Program (TIP/STIP). Furthermore, all parties shall adhere to the detailed project schedule as approved by the DEPARTMENT, attached as Attachment B and incorporated herein by reference. In the completion of respective commitments contained herein, if a change in the schedule is needed, the LOCAL GOVERNMENT shall notify the DEPARTMENT in writing of the proposed schedule change and the DEPARTMENT shall acknowledge the change through written response letter; provided that the DEPARTMENT shall have final authority for approving any change.

If, for any reason, the LOCAL GOVERNMENT does not produce acceptable deliverables in accordance with the approved schedule, the DEPARTMENT reserves the right to delay the project's implementation until funds can be re-identified for construction or right of way, as applicable.

6. The LOCAL GOVERNMENT shall certify that they have read and understands the regulations for "CERTIFICATION OF COMPLIANCES WITH FEDERAL PROCUREMENT REQUIREMENTS, STATE AUDIT REQUIREMENTS, AND FEDERAL AUDIT REQUIREMENTS" and will comply in full with said provisions.

7. The LOCAL GOVERNMENT shall accomplish all of the design activities for the PROJECT. The design activities shall be accomplished in accordance with the

DEPARTMENT's Plan Development Process, the applicable guidelines of the American Association of State Highway and Transportation Officials, hereinafter referred to as "AASHTO", the DEPARTMENT's Standard Specifications Construction of Transportation Systems, the DEPARTMENT's Plan Presentation Guide, PROJECT schedules, and applicable guidelines of the DEPARTMENT. The LOCAL GOVERNMENT responsibility for design shall include, but is not limited to the following items:

a. Prepare the PROJECT concept report in accordance with the format used by the DEPARTMENT. The concept for the PROJECT shall be developed to accommodate the future traffic volumes as generated by the LOCAL GOVERNMENT as provided for in paragraph 7b and approved by the DEPARTMENT. The concept report shall be approved by the DEPARTMENT prior to the LOCAL GOVERNMENT beginning further development of the PROJECT plans. It is recognized by the parties that the approved concept may be modified by the LOCAL GOVERNMENT as required by the DEPARTMENT and re-approved by the DEPARTMENT during the course of design due to public input, environmental requirements, or right of way considerations.

b. Develop the PROJECT base year (year facility is expected to be open to traffic) and design year (base year plus 20 years) traffic volumes. This shall include average daily traffic (ADT) and morning (am) and evening (pm) peak hour volumes. The traffic shall show all through and turning movement volumes at intersections for the ADT and peak hour volumes and shall indicate the percentage of trucks expected on the facility.

c. Validate (check and update) the approved PROJECT concept and prepare a PROJECT Design Book for approval by the DEPARTMENT prior to the beginning of preliminary plans.

d. Prepare environmental studies, documentation, and reports for the PROJECT that show the PROJECT is in compliance with the provisions of the National Environmental Protection Act and Georgia Environmental Protection Act, as appropriate to the PROJECT funding. This shall include any and all archaeological, historical, ecological, air, noise, underground storage tanks (UST), and hazardous waste site studies required as well as any environmental reevaluations required. The LOCAL GOVERNMENT shall submit to the DEPARTMENT all environmental documents and reports for review and approval by the DEPARTMENT and the FHWA.

e. Prepare all public hearing and public information displays and conduct all required public hearings and public information meetings in accordance with DEPARTMENT practice.

f. Perform all surveys, mapping, soil investigation studies and pavement evaluations needed for design of the PROJECT.

g. Perform all work required to obtain project permits, including, but not limited to, US Army Corps of Engineers 404 and Federal Emergency Management Agency (FEMA) approvals. These efforts shall be coordinated with the DEPARTMENT. As part of the design an environmental assessment will be conducted, which may or may not result in environmental impacts of the surrounding area. If it is determined that there will be impacts that will

require mitigation, then it will be the responsibility of the LOCAL GOVERNMENT to resolve the matter.

h. Prepare the PROJECT drainage design including erosion control plans and the development of the hydraulic studies for the Federal Emergency Management Agency Floodways and acquisition of all necessary permits associated with the drainage design.

i. Prepare traffic studies, preliminary construction plans including a cost estimate for the Preliminary Field Plan Review, preliminary and final utility plans, preliminary and final right of way plans, staking of the required right of way, and final construction plans including a cost estimate for the Final Field Plan Review, erosion control plans, lighting plans, traffic handling plans, and construction sequence plans and specifications including special provisions for the PROJECT.

j. Provide certification, by a Georgia Registered Professional Engineer, that the construction plans have been prepared under the guidance of the professional engineer and are in accordance with AASHTO and DEPARTMENT guidelines.

k. Failure of the LOCAL GOVERNMENT to follow the DEPARTMENT's Plan Development Process will jeopardize the use of Federal funds in some or all of the categories outlined in this Agreement, and it shall be the responsibility of the LOCAL GOVERNMENT to make up the loss of that funding.

8. All Primary Consultant firms hired by the LOCAL GOVERNMENT to provide services on the PROJECT shall be prequalified with the DEPARTMENT in the appropriate area-classes. The DEPARTMENT shall, on request, furnish the LOCAL GOVERNMENT with a list of prequalified consultant firms in the appropriate area-classes. Any Consultant hired by the Local Government to perform work on the Project must be compliant to applicable state and federal regulations relating to the procurement of design services in accordance with the Brooks Architect-Engineers Act of 1972, better known as the Brooks Act.

9. The PROJECT construction and right of way plans shall be prepared in English units.

10. All drafting and design work performed on the project shall be done utilizing the DEPARTMENT's latest approved software respectively, and shall be organized as per the Department's guidelines on electronic file management.

11. The DEPARTMENT shall review and has approval authority for all aspects of the PROJECT provided however this review and approval does not relieve the LOCAL GOVERNMENT of its responsibilities under the terms of this agreement. The DEPARTMENT will work with the FHWA to obtain all needed approvals as deemed necessary with information furnished by the LOCAL GOVERNMENT.

12. The LOCAL GOVERNMENT shall be responsible for the design of all bridge(s) and preparation of any required hydraulic and hydrological studies within the limits of this PROJECT in accordance with the DEPARTMENT's policies and guidelines. The LOCAL GOVERNMENT shall perform all necessary survey efforts in order to complete the design of the bridge(s) and prepare any required hydraulic and hydrological studies. The final bridge plans shall be incorporated into this PROJECT as a part of this Agreement.

13. The LOCAL GOVERNMENT shall follow the DEPARTMENT's procedures for identification of existing and proposed utility facilities on the PROJECT. These procedures, in part, require all requests for existing, proposed, or relocated facilities to flow through the DEPARTMENT's Project Liaison and the District Utilities Engineer.

14. The LOCAL GOVERNMENT shall address all railroad concerns, comments, and requirements to the satisfaction of the DEPARTMENT.

15. If the right of way phase is 100% local funding with no Federal or State reimbursement, upon the DEPARTMENT's approval of the project right of way plans, verification that the approved environmental document is current, which shall mean that the approval of the environmental document occurred within six (6) months of the approval notice by the DEPARTMENT's for project right of way plans, and delivery of a written notice to proceed, the LOCAL GOVERNMENT may proceed with the acquisition of the necessary right of way for the PROJECT. If the

right of way phase involves federal and/or state funding reimbursement, upon the Department's approval of the project right of way plans, the Local Government may proceed with all pre-acquisition right of way activities, however, property negotiation and acquisition cannot commence until right of way funding authorization is approved. Right-of-way costs will include mitigation required for Section 404 of the Clean Water Act permits, if needed. These permits, issued by the US Army Corp of Engineers, regulate the discharge of degraded and/or fill material into jurisdictional waters of the US. Right of way acquisition shall be in accordance with the law and the rules and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. Seq., and 49 CFR Part 24 and the rules and regulations of the DEPARTMENT and in accordance with the "Contract for the Acquisition of Right of Way" to be prepared by the Office of Right of Way and executed between the LOCAL GOVERNMENT and the DEPARTMENT prior to the commencement of any right of way activities. Failure of the LOCAL GOVERNMENT to adhere to the provisions and requirements specified in the acquisition contract may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the LOCAL GOVERNMENT to make up the loss of that funding. In the event the LOCAL GOVERNMENT is to receive reimbursement of all or part of the acquisition funding, reimbursable right of way costs are to include land and improvement costs, property damage values, relocation assistance expenses and contracted property management costs. Non reimbursable costs include administrative expenses such as appraisal, consultant, attorney fees and any in-house property management or staff expenses. All required right of way shall be obtained and cleared of obstructions, including underground storage tanks, prior to

advertising the PROJECT for bids. The LOCAL GOVERNMENT shall further be responsible for making all revisions to the approved right of way plans, as deemed necessary by the DEPARTMENT, for whatever reason, as needed to purchase the required right of way.

16. Upon completion and approval of the PROJECT plans, certification that all needed rights of way have been obtained and cleared of obstructions, and certification that all needed permits for the PROJECT have been obtained by the LOCAL GOVERNMENT the PROJECT shall be let for construction. The DEPARTMENT, unless shown otherwise on Attachment A, shall be solely responsible for securing and awarding the construction contract for the PROJECT.

17. The LOCAL GOVERNMENT shall review and make recommendations concerning all shop drawings prior to submission to the DEPARTMENT. The DEPARTMENT shall have final authority concerning all shop drawings.

18. The LOCAL GOVERNMENT agrees that all reports, plans, drawings, studies, specifications, estimates, maps, computations, computer diskettes and printouts, and any other data prepared under the terms of this Agreement shall become the property of the DEPARTMENT if required. This data shall be organized, indexed, bound, and delivered to the DEPARTMENT no later than the advertisement of the PROJECT for letting. The DEPARTMENT shall have the right to use this material without restriction or limitation and without compensation to the LOCAL GOVERNMENT.

19. The LOCAL GOVERNMENT shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on behalf of the LOCAL GOVERNMENT pursuant to this Agreement. The LOCAL GOVERNMENT shall correct or revise, or cause to be corrected or revised, any errors or deficiencies in the designs, drawings, specifications, and other services furnished for this PROJECT. Failure by the LOCAL GOVERNMENT to address the errors or deficiencies within 30 days shall cause the LOCAL GOVERNMENT to assume all responsibility for construction delays caused by the errors and deficiencies. All revisions shall be coordinated with the DEPARTMENT prior to issuance. The LOCAL GOVERNMENT shall also be responsible for any claim, damage, loss or expense, to the extent allowed by law that is attributable to errors, omissions, or negligent acts related to the designs, drawings, specifications, and other services furnished by or on behalf of the LOCAL GOVERNMENT pursuant to this Agreement.

This Agreement is made and entered into in FULTON COUNTY, GEORGIA, and shall be governed and construed under the laws of the State of Georgia.

The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the DEPARTMENT and the LOCAL GOVERNMENT have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

LOCAL GOVERNMENT NAME

Angela J. Alexander  
State Transportation Planning Administrator

BY: [Signature]  
Name Gary Peet  
Title Mayor

Angela J. Alexander  
Director, Transportation Planning Data, and Intermodal Development

Signed, sealed and delivered this 24 day of April, 2009, in the presence of:

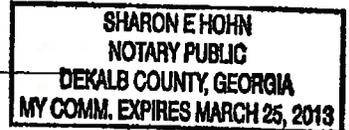
Dale M. Ross  
Chief Engineer

DEPARTMENT OF TRANSPORTATION

[Signature]  
Witness

BY: Dale M. Ross  
Commissioner

Sharon E. Hohn  
Notary Public



ATTEST:

This Agreement approved on the 2 day of September, 2008

[Signature]  
Treasurer Asst.

[Signature]  
City/County Clerk (as appropriate)

REVIEWED AS TO LEGAL FORM:

[Signature]  
Office of Legal Services

FEIN: 586000670

**ATTACHMENT "A"**  
**Project Number: STP-0009-00(167) – DeKalb County**

Project (PI#, Project #Description)	Work Type	Preliminary Engineering		Right of Way		Construction		Utilities Relocation Costs by
		Funding	Design	Funding of Real Property	Acquisition & Administrative Cost by	Funding	Letting by	
PI# 0009167 STP-0009-00(167) Main Street Pedestrian Facility Phase II- ICI	Enhancement	80% Federal- 88,000.00 20% Local- 22,000.00	Local Gov't	100% Local Gov't	Local Gov't	80% Federal- 1,280,000.00 20% Local- 320,000.00	Local Gov't	100% Local Gov't

Note: 1. Maximum allowable GDOT reimbursible amount may be shown above in lieu of percentages when applicable. Local Government will only be reimbursed the percentage of the accrued invoiced amounts up to but not to exceed the maximum amount indicated.  
 2. Cash participation limits may be shown above in lieu of percentages when applicable.

**ATTACHMENT "B"**  
**0009167 – DeKalb County**

**Proposed Project Schedule**

<b>Environmental Phase</b>					
<b>Concept Phase</b>					
<b>Preliminary Plan Phase</b>					
<b>Right of Way Phase</b>					
<b>Deadline for Responsible Parties</b>	<b>Execute Agreement</b>	<b>Approve Concept</b> 9/09	<b>Approve Env. Documents</b> 11/09	<b>Authorize Right-of-way</b> 11/09	<b>Authorize Const</b> 12/09

**Annual Reporting Requirements**

The Local Government shall provide a written status report to the Department's Project Manager with the actual phase completion date(s) and the percent complete/proposed completion date of incomplete phases. The written status report shall be received by the Department no later than the first day of February of every calendar year until all phases have been completed.

**Training Certification Requirement**

The Local Government shall provide a written certification that all appropriate staff (employees and consultants) involved in the Project have attended or are scheduled to attend the Department's Plan Development Process Training Course. The written certification shall be received by the Department no later than the first day of February of every calendar year until all phases have been completed.