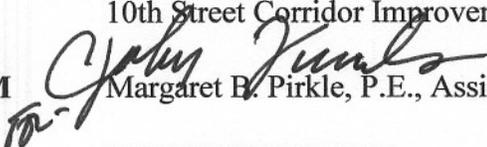


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 004651, Fulton County **OFFICE** Preconstruction
MSL-0004-00(651)
10th Street Corridor Improvements **DATE** August 15, 2005

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

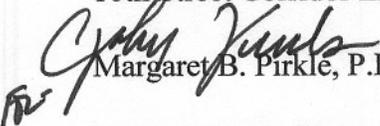
DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Paul Liles
Babs Abubakari
Bryant Poole
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0004651, Fulton County **OFFICE** Preconstruction
MSL-0004-00(651)
10th Street Corridor Improvements **DATE** August 3, 2005

FROM  Margaret B. Firkle, P.E., Assistant Director of Preconstruction

TO David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the 10th Street streetscape improvements from Williams Street to Piedmont Avenue for a total of 0.20 mile. Midtown, with its diverse uses, is a true 24-hour community and is a major urban center. 10th Street provides critical connectivity to employment, services and recreation. The MARTA station located on 10th Street, serves as a vital link for a growing number of residences and to offices and businesses in the Atlanta Metro area. Current conditions and problems on this street include sidewalks in poor condition, inadequate pedestrian lighting and poles in the sidewalks which render the walks non-ADA compliant.

The construction proposes a 10' concrete sidewalk and a 5' furniture zone, where space allows, on the north and south sides of 10th Street. Where the 15' width is not possible, a 5' minimum sidewalk and 4'-5' furniture zone will be provided. The furniture zone will be designated by precast concrete pavers. Trash receptacles, street trees and breakaway decorative lights will be located within the furniture zone. Degraded curbing will be replaced with new granite curb. The number and width of lanes will not be affected by the proposed design.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public information meetings have been held; time saving procedures are not appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$1,225,000	\$1,234,000	RRBS	2006
Right-of-Way & Utilities*	Local	Local		

David Studstill

Page 2

P.I. No. 0004651, Fulton

August 3, 2005

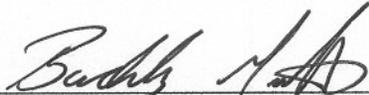
*City of Atlanta signed PMA on 2-23-04 for PE, right-of-way, utilities and construction.

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR



Buddy Grafton, P.E., Director of Preconstruction

APPROVE



David E. Studstill, Jr., P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: MSL-0004-00 (651)

County: Fulton

P. I. Number: 0004651

Federal Route Number: NA

State Route Number: NA

10th Street Corridor Improvements

RECOMMENDED FOR APPROVAL

<u>7/18/05</u>	<u>Mike Dalton</u>
Date	Project Manager
<u>7/25/05</u>	<u>Ben Hoobler</u>
Date	District Engineer

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

_____	_____
Date	State Transportation Planning Administrator

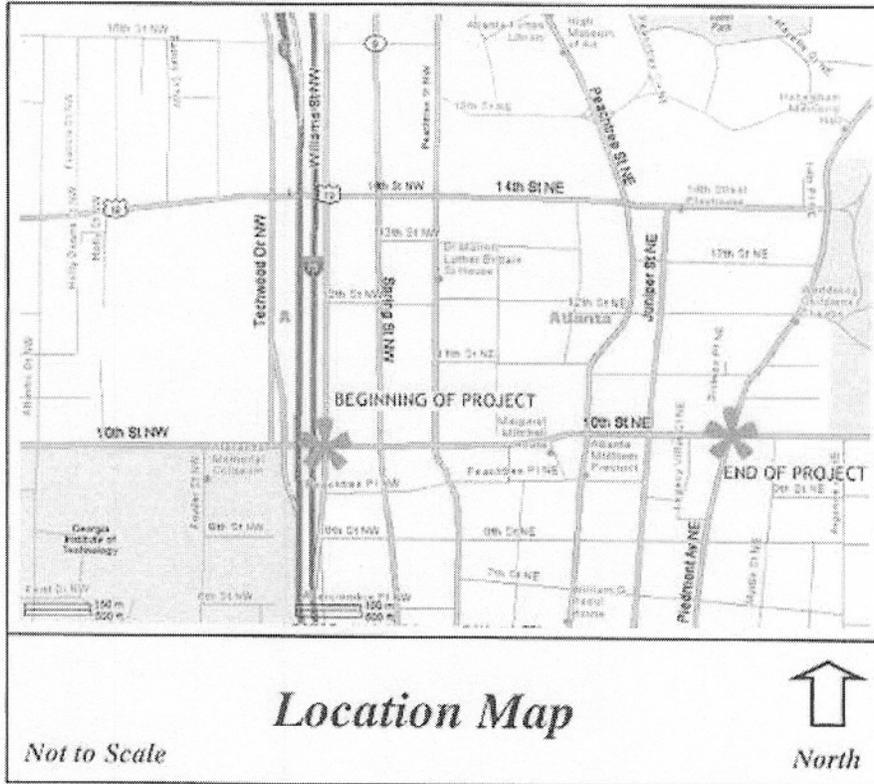
_____	_____
Date	Office of Financial Management Administrator

_____	_____
Date	State Environment & Location Engineer

<u>8-1-05</u>	<u>Keith Gold</u>
Date	State Traffic Safety and Design Engineer

_____	_____
Date	Project Review Engineer

Project Concept Report page 2 of 9
Project Number: MSL-0004-00 (651)
P. I. Number: 0004651
County: Fulton



Need and Purpose: Midtown, with its diverse uses, is a true 24-hour community and is a major urban center. 10th Street provides critical connectivity to employment, services and recreation. The MARTA station, located on 10th Street serves as a vital link for a growing number of residences, and to offices and businesses in the Atlanta Metro area. Current conditions and problems on this street include sidewalks in poor condition, inadequate pedestrian lighting and poles in the sidewalks which render the walks non-ADA compliant. This project improves accessibility and mobility. This project provides facilities for a safer environment for these users at all times of day and will further improve the quality of life for the region.

Description of the proposed project: The improvements proposed in this project are on the north and south sides of 10th Street and are pedestrian improvements. The project includes a few key blocks to complete the pedestrian improvements. Other blocks were completed prior to the Olympics or through previous public projects and/or private development.

A pedestrian area of 15 feet in width is desired for this project, including a "furniture zone" and 10-foot clear sidewalk area on both sides of 10th Street. Where 10 feet is not achievable the sidewalk varies in width, but is not less than 5' clear. A 5-foot furniture zone will be constructed between the street and pedestrian sidewalk and will include street lighting, pedestrian lighting and street trees. Streetlights will be installed on both sides of the street with street trees planted between each of the lights. This project will conform to the Midtown Cityscape Standards.

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

A portion of the project, from Peachtree Street to Juniper Street, is identified in the TIP as AT-204. This project is not a capacity improvement project and is exempt from being included in conformity analysis.

PDP Classification: Major Minor X

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

Functional Classification: Urban minor arterial

U. S. Route Number(s): -NA-

State Route Number(s): -NA-

Traffic (AADT):

Current Year: (2003) 19,270

Design Year: (2005) 20,367 (projected based on average trend since 1999)

Existing design features:

- Existing design features include a concrete sidewalk on the north and south sides of 10th Street. There are portions of the existing streetscape where the sidewalk is comprised of pavers and/or concrete paving. There are underground and above ground utilities present including light poles, traffic signals, below grade vaults and above grade boxes. Street trees can be found in both tree cut-outs and raised concrete planters.
- Posted speed 35 mph Minimum radius for curve: -NA-
- Maximum super-elevation rate for curve: -NA-

- Maximum grade: -NA-
- Width of right of way: Varies, 66-102 ft.
- Major structures: None
- Major interchanges or intersections along the project: -NA-
- Existing length of roadway segment is .58 miles.

Proposed Design Features:

- Proposed typical section(s): The proposed design calls for a 10' concrete sidewalk and a 5' furniture zone, where space allows, on the north and south sides of 10th Street. Where the 15' width is not possible, a minimum 5' sidewalk and 4'-5' furniture zone will be provided. The furniture zone will be designated by precast concrete pavers. Trash receptacles, street trees and break away decorative lights will be located within the furniture zone. Degraded curbing will be replaced with new granite curb. The number and width of lanes will not be affected by the proposed design.
- Proposed Design Speed Mainline 35 MPH.
- Proposed Maximum grade Mainline-NA-
- Proposed Maximum grade Side Street -NA-
- Proposed Maximum grade driveway -NA-%
- Proposed Minimum radius for curve -NA-
- Proposed Maximum super-elevation rate for curve: -NA-
- Proposed Maximum degree of curve -NA-
- Right of way
 - Width: Varies, 66-102 ft.
 - Easements: Temporary (), Permanent (X), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 15 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: -NA-
- Structures:
 - Bridges -NA-
 - Retaining walls: modular block walls, height to be determined.
- Major intersections and interchanges.
 - Williams St. and 10th
 - Spring St. and 10th
 - W. Peachtree and 10th (pedestrian improvements at this intersection are not part of this project, but are included in West Peachtree Street Streetscape STP-0002-00(845)).
 - Peachtree and 10th (pedestrian improvements at this intersection are not part of this project, but are included in the Peachtree, 10th to I-85 Project MSL-00004-00(390)).
 - Juniper and 10th
 - Piedmont and 10th (Project begins on the west side of the intersection and does not include any intersection improvements.)

- Traffic control during construction: Traffic maintained during construction.
- Design Exceptions to controlling criteria anticipated:

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

- Horizontal Clearance Design Variances; Breakaway, decorative light fixtures, with center points placed 2.5' from back of curb. Shade trees with center points placed 2.5' from back of curb.
- Environmental concerns: Section 106, Categorical Exclusions
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- Utility involvements: The following utilities will be coordinated with the engineering of the project.
 - Comcast
 - BellSouth
 - Atlanta Gas Light
 - Atlanta Gas Light- Mapping Services
 - Georgia Power
 - Atlanta Water
 - MCI Worldcom
 - City of Atlanta, Traffic and Transportation
 - Streets & Roads, Utility Permitting, City of Atlanta
 - City of Atlanta, Traffic and Transportation (Signals)
 - City of Atlanta, Public Works

Project responsibilities:

- Design, PBS&J
- Right of Way Acquisition, City of Atlanta/Midtown Alliance
- Relocation of Utilities, City of Atlanta/Midtown Alliance
- Letting to contract, City of Atlanta/Midtown Alliance
- Supervision of construction, City of Atlanta/Midtown Alliance
- Providing material pits, -NA-
- Providing detours, -NA-

Coordination

- Concept meeting was held on May 25, 2005. The meeting minutes are attached.
- P. A. R. meetings, dates and results. -NA-
- FEMA, USCG, and/or TVA -NA-
- Public involvement.
 - Blueprint Midtown Public Work Sessions - Spring 1997
 - Blueprint Midtown II Public Work Sessions - Fall 2003
 - Stakeholder and public input meetings - March 1-18, 2005
 - Public meeting held April 26th, 2005 with Blueprint Midtown I and II
- Local government comments. The City of Atlanta strongly supports project.
- Other projects in the area:
 - Peachtree Street (Streetscape)
From 3rd to 10th Street
1st Quarter 2005
STP 0002-00(844); P.I. # 0002844

 - West Peachtree Street (Streetscape)
North Ave. to 14th Street
1st Quarter 2005
STP0002-00(845); P. I. # 0002845

 - Peachtree 10th to I-85
MSL-00004-00(390); P.I. # is 0004390; AT-200
- Other coordination to date. -NA-
- Railroads -NA-

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: -NA-
- Time to complete final construction plans: 3 Months.
- Time to complete acquisition of donated permanent easements: 2-3 Months.
- List other major items that will affect the project schedule: -NA-

Other alternates considered: None

Comments: None

Attachments:

1. Notice of Location and Design Approval
2. Preliminary Cost Estimate
3. Typical Sections
4. Concept Meeting Minutes

Project Concept Report page 7 of 9
Project Number: MSL-0004-00 (651)
P. I. Number: 0004651
County: Fulton

NOTICE OF LOCATION AND DESIGN APPROVAL

MSL-0004-00 (651), Fulton County
P.I. NUMBER 0004651

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

The date of location approval is August 15, 2005

The project is located in Fulton County on 10th Street between Piedmont Road and Williams Street.

The improvements proposed in this project are on the north and south sides of 10th Street and are pedestrian improvements. The project includes a few key blocks to complete the pedestrian improvements. Other blocks were completed prior to the Olympics or through previous public projects and/or private development.

A pedestrian area of 15 feet in width is proposed and includes a 5 foot "furniture zone" and 10-foot clear sidewalk area on both sides of 10th Street. Where 10 feet is not achievable the sidewalk varies in width, but is not less than 3' clear. A 5-foot furniture zone will be constructed between the street and pedestrian sidewalk and will include street and pedestrian lighting, and street trees. Streetlights will be installed on both sides of the street with street trees planted between each of the lights. This project will conform to the Midtown Cityscape Standards.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Mark Sanford, Area IV Engineer
Georgia Department of Transportation
21 Clair Dr., SW
Atlanta, GA 30315
TEL: (404) 624-2440
FAX: (404) 624-2433
mark.sanford@dot.state.ga.us

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:

Mike Lobdell, P.E. District Preconstruction Engineer
Georgia Department of Transportation
5025 New Peachtree Road
Chamblee, GA 30341
TEL: (770) 986-1050

Project Concept Report page 8 of 9
Project Number: MSL-0004-00 (651)
P. I. Number: 0004651
County: Fulton

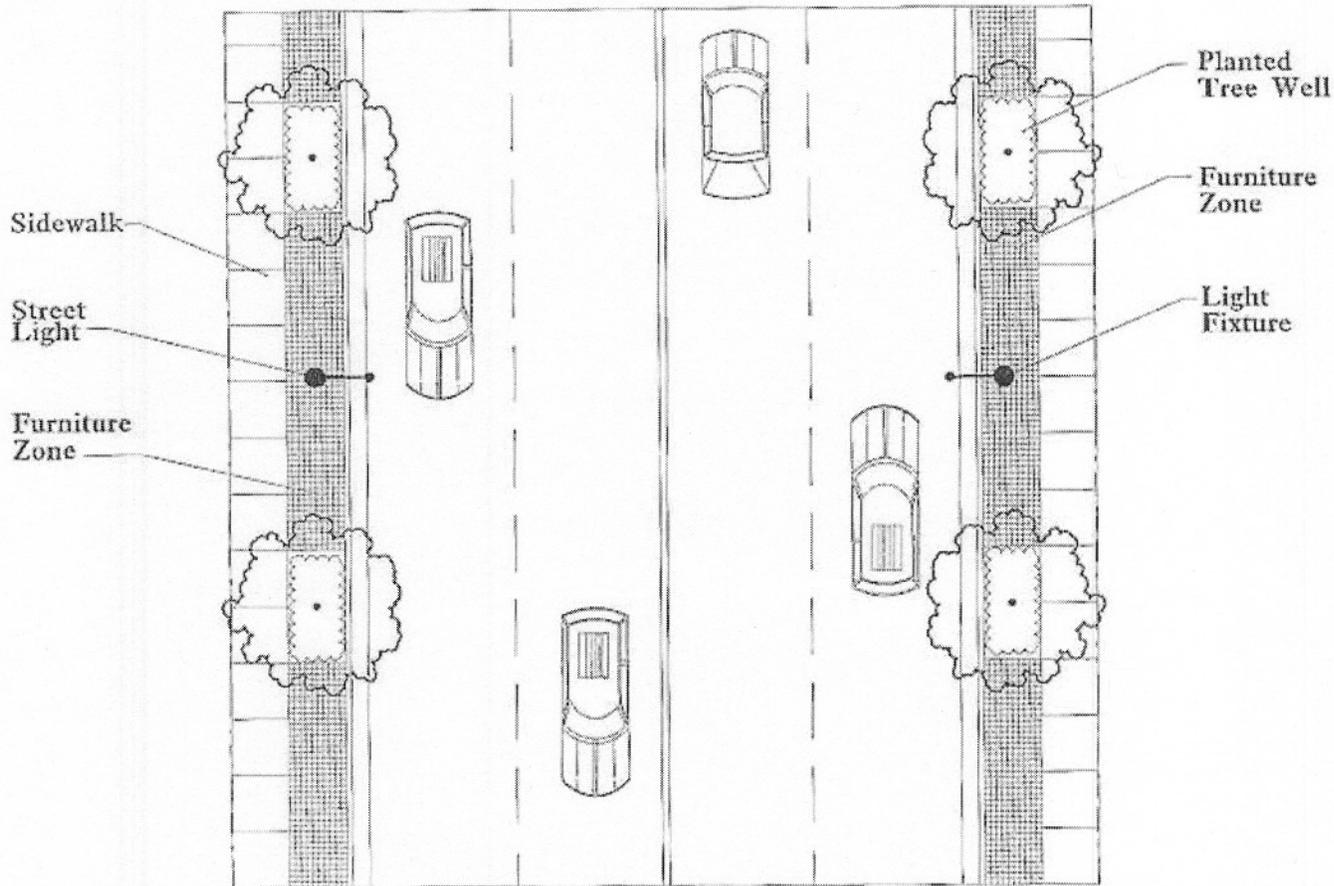
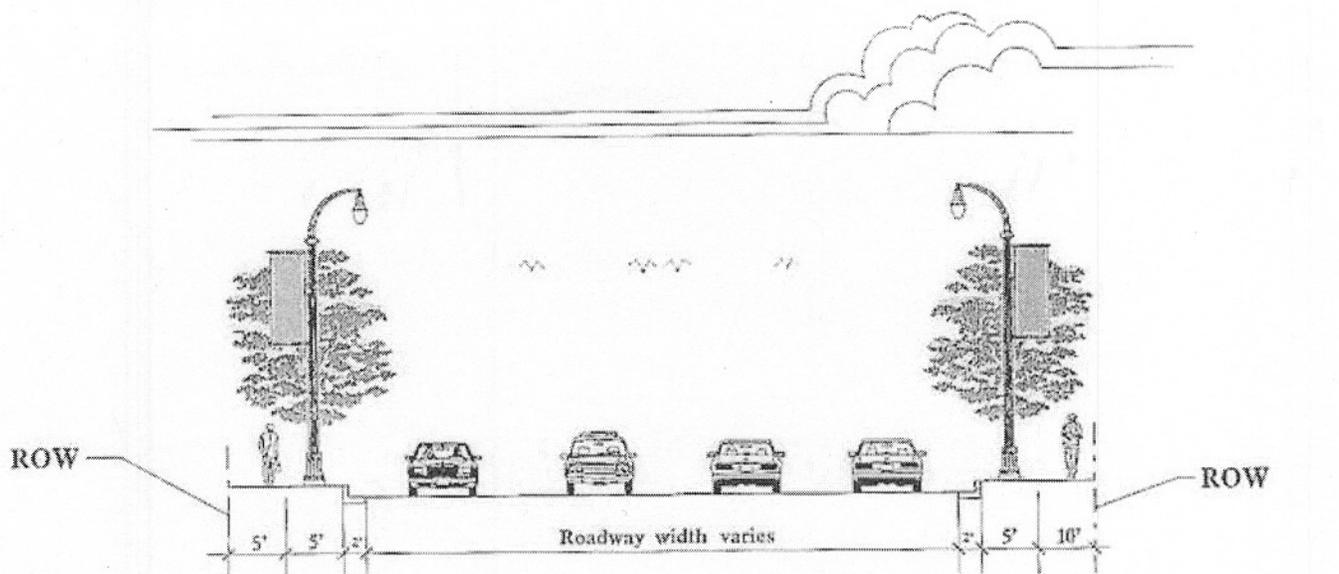
FAX: (770) 986-1022
mike.lobdell@dot.state.ga.us

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

BUDGET ESTIMATE
10th Street Streetscape Improvements

ARC# AT-204
P.I. No. 0004651

<u>DESCRIPTION</u>	<u>COST</u>
ADJUST UTILITIES TO GRADE; RELOCATE UTILITY POLES, HYDRANTS; RESET SIGNS, TRAFFIC SIGNAL VAULT	\$195,000
CONCRETE SIDEWALK WITH BRICK PAVER BEAUTYSTRIP	\$240,000
GRANITE CURB	\$26,000
DEMOLITION	\$100,000
EROSION CONTROL	\$10,000
DRIVEWAY APRONS	\$16,000
LANDSCAPING	\$76,500
LIGHTS	\$227,000
MARTA BUS SHELTER RELOCATION	\$5,500
MOBILIZATION	\$15,000
TRAFFIC CONTROL	\$35,000
CONCRETE PLANTERS	\$40,000
REPAINTING EXISTING LIGHTS	\$5,000
GRANITE RUBBLE WALL WITH RAILING	\$18,000
CROSSWALK STRIPING	\$35,000
Subtotal	<u>\$1,044,000</u>
10% CONTINGENCY	\$104,400
4% INFLATION	\$45,936
CONSTRUCTION ADMINISTRATION FEE	\$30,287
TOTAL CONSTRUCTION ESTIMATE	\$1,224,623



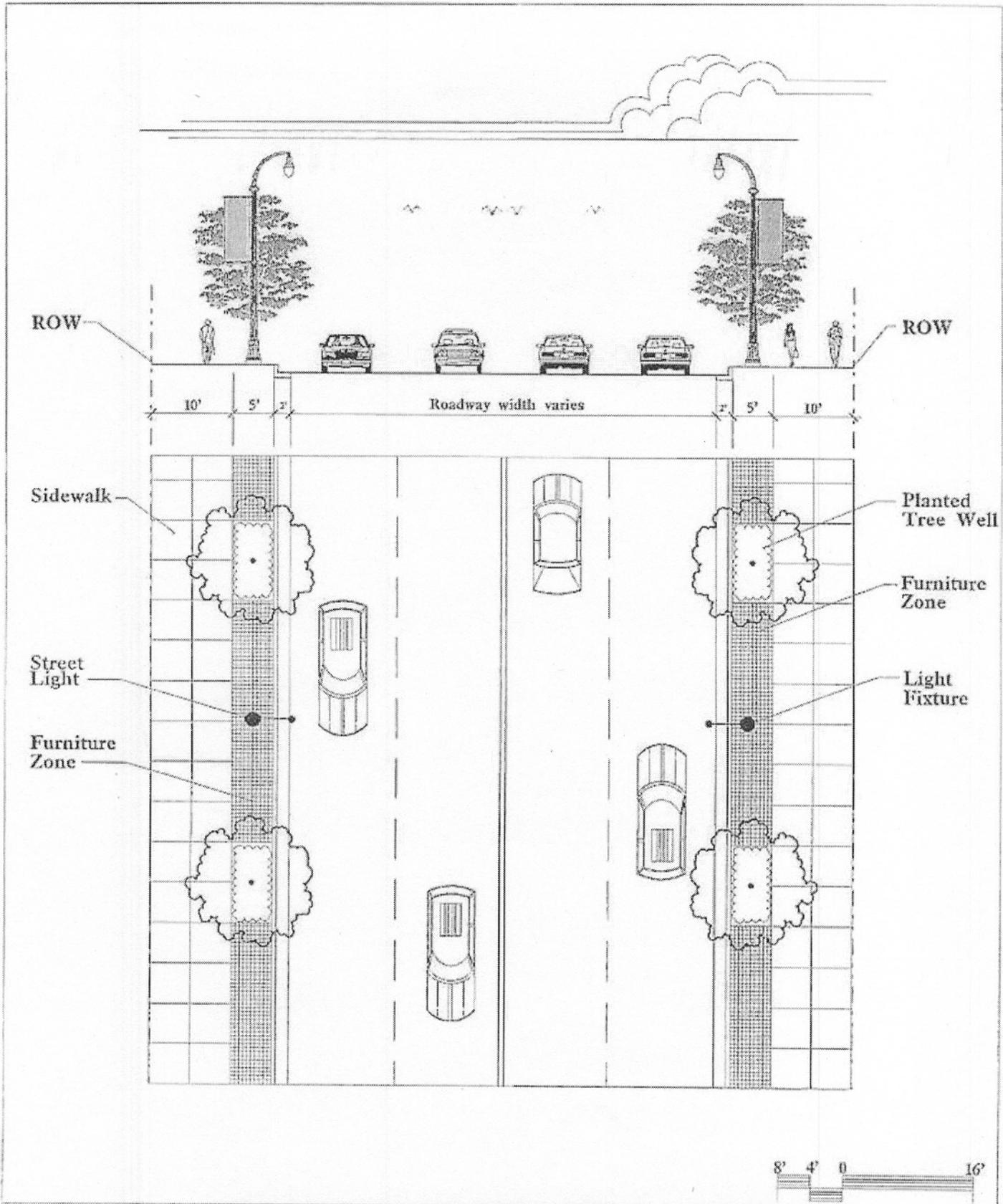
TYPICAL SECTION (LIMITED ROW)



1633 NEW NORTHSHORE DR.
 SUITE 400
 ALPHETTA, GEORGIA 30020
 (770) 515-0280
 (770) 218-0997 fax

10th STREET STREETScape

June 13, 2005
 061624.00



TYPICAL SECTION (FULL ROW)



5445 NEW NORTHBEE DR.
 SUITE 400
 ATLANTA, GEORGIA 30328
 (770) 933-0285
 (770) 224-0945 fax

10th STREET STREETScape

June 13, 2005
 061624.00



MEETING MINUTES

MEETING DATE: May 25, 2005

LOCATION: GDOT District Seven Preconstruction Office conference room
Archives Building

SUBJECT: 10th Street Streetscape
PBS&J Project No. 061624.00 0220
Project Number: MSL-0004-00 (651)
P. I. Number: 0004651

LIST OF ATTENDEES: Ralph Merrow – GDOT Preconstruction
Nebiat Abraham – GDOT Preconstruction
Sarah Yates – Silverman Construction Program Management
Scott Lee – GDOT Preconstruction
Eric Bosman – Urban Collage
Becki Yawn – PBS&J
Christine Burkholder – PBS&J
Tom Morton – PBS&J
Josh Nelson – AGL Networks
Sharon Witherspoon – GDOT Utilities
Zanda Montgomery – GDOT Environmental
Marshall Troup – GDOT Preconstruction
Mike Lobdell – GDOT D7
Scott Zehngraft – GDOT TS&D
Mike Coffey – Cobal and Telecom/Level 3
Ferdinando Henderson – Bell South
Alan Wawruck – Abovent
Greg Holder – City of Atlanta

DATE OF ISSUANCE: June 15, 2005

THIS DOCUMENT REPRESENTS THE MINUTES OF THE MEETING AS RECORDED BY THE AUTHOR. ATTENDEE IS ASKED TO REVIEW THIS DOCUMENT AND NOTIFY THE AUTHOR, WITHIN 5 WORKING DAYS OF THE DATE OF ISSUANCE, OF ANY MISREPRESENTATIONS OR OF ANY OMISSIONS.

1. The concept meeting was held at the GDOT Archives Building, from 9:00 to 11:00 AM. A concept plan was displayed illustrating the design; the Concept Report was available for review and comment.
2. After attendee's introductions, PBS&J provided a brief overview of the project, including explanation of the furniture and sidewalk zones, and limited curb replacement. PBS&J informed attendees that no relocation of curb is planned, and no drainage improvements are anticipated. PBS&J explained that there are two curb inlets that may have to be raised with the new curb installation. Sarah Yates pointed out that the project boundaries were expanded and are now Piedmont Road to Williams Street. District 7 requested a copy of the documentation showing GRTA and GDOT will be OK with the change. Sarah Yates will provide that documentation.
3. GDOT requested clarification for the design variance noted in the Concept Report. PBS&J confirmed the variance is for horizontal clearance concerning the location of the street trees and lights.
4. PBS&J explained that the following intersections are not part of the project: 10th and Peachtree St., 10th and W. Peachtree St.
5. The necessity for new crosswalk striping was discussed. GDOT agreed that milling and inlay for crosswalks was not necessary for GDOT approval. Hand grinding eradication and re-striping is acceptable. The City of Atlanta decision will control on this issue.
6. PBS&J informed the attendees that the concept includes a potential mid-block crosswalk at the MARTA station. A detailed discussion ensued. GDOT explained that a traffic warrant would need to be approved for a signalized pedestrian crossing. This warrant would need to be prepared and approved prior to its mention in the Concept Report. GDOT does not encourage a non-signalized crossing. If a signal is not warranted, the City of Atlanta can add one later, but it cannot be part of this project.
7. GDOT affirmed that poles can stay in the sidewalk clear zone unless they are in the way of ADA ramps.
8. GDOT brought up the issue of utility conflicts with tree roots. PBS&J proposes the use of tree root barriers that will force the roots down to help avoid conflicts with adjacent pavement and utilities. PBS&J will send out letters to utilities to obtain underground utility locations. GDOT suggested asking the client to pay for a utility location service to locate underground utilities as this may lower bids if contractor knows where the utilities are located. Utility agreements for relocations and adjustments must be in place prior to project approval.

9. GDOT requested that the limits of sidewalk improvements be more specifically described in the Concept Report to show that both sides of the street are included.
10. GDOT requested that major intersections be listed in the Concept Report. Peachtree and W. Peachtree intersections should be listed but noted as part of another project.
11. It was mentioned that the Environmental Clearance process has begun. Zanda Montgomery asked information be sent to her office.
12. The project schedule in the Concept Report was discussed. GDOT commented that ROW plans will require more than 2-3 months and that donations cannot be obtained in advance. Data-book approval must occur first. Silverman Construction and the City of Atlanta will meet with the ROW department. Sarah Yates will also discuss the project with Pam Black; GDOT Government Coordinator.
13. GDOT requests 50-60% drawing submittal at the end of July. Right of way plans should be submitted at the same time as the field plan review.
14. GDOT confirmed that they reimburse for construction administration. GDOT will also allow reimbursement for utility relocation since GRTA approves this expenditure.
15. GDOT requested that typical sections be added to the Concept Report. A Location and Design Approval Sheet should also be added to the Concept Report. A sample approval sheet was provided to PBS&J.
16. A public notice stating that ROW and easements will be acquired is required.
17. PBS&J is to provide a copy of the minutes of the meeting to Roger Henze at GRTA.
18. PBS&J received Ralph Merrow's red-lined copy of the Concept Report and Mike Lobdell's comments via fax after the meeting was held.

Submitted,

Christine Burkholder

Encl: Attendee's Sign-in List
Cc: John Fish, PBS&J
Shannon Powell, Midtown Alliance
Roger Henze, GRTA
Ralph Merrow
Mike Lobdell
Eric Bosman - Urban Collage

Meeting Minutes - 10th Street Streetscape
May 25, 2005
Page 4 of 4

Sarah Yates – Silvervan Construction Program Management
File

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: MSL-0004-00 (651)

County: Fulton

P. I. Number: 0004651

Federal Route Number: NA

State Route Number: NA

10th Street Corridor Improvements

RECOMMENDED FOR APPROVAL

7/18/05
Date Project Manager Walt Sutton

7/25/05
Date District Engineer Bry Hobbs

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

7/28/05
Date State Transportation Planning Administrator Gregory P. [Signature]

Date Office of Financial Management Administrator

Date State Environmental/Location Engineer

Date State Traffic Safety and Design Engineer

Date Project Review Engineer

Note: Distance from Face of curb to tree should be increased from 3' to 4' as per revised streetscape guide.

[Faint handwritten notes and signatures at the bottom of the page]

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: MSL-0004-00 (651)

County: Fulton

P. I. Number: 0004651

Federal Route Number: NA

State Route Number: NA

10th Street Corridor Improvements

RECOMMENDED FOR APPROVAL

<u>7/18/05</u>	<u>Mike Salmon</u>
Date	Project Manager
<u>7/25/05</u>	<u>Ben Hobb</u>
Date	District Engineer

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

Date State Transportation Planning Administrator

Date Office of Financial Management Administrator

Date State Environmental/Location Engineer

Date State Traffic Safety and Design Engineer

<u>8/8/05</u>	<u>Bruce K. Summers</u>
Date	Project Review Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: MSL-0004-00(651)		County: Fulton		PI No.: 0004651	
Report Date: July 25, 2005		Concept By: DOT Office: District 7			
<input checked="" type="checkbox"/> Concept Stage		Consultant: PBS & J			
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 Replacement	
				<input type="checkbox"/> Building	
				<input type="checkbox"/> Interchange Reconstruction	
				<input type="checkbox"/> Intersection Improvement	
				<input type="checkbox"/> Interstate	
				<input type="checkbox"/> New Location	
				<input type="checkbox"/> Widening & Reconstruction	
				<input checked="" type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	90	Right of Way and Reimbursable Utility costs should be shown on the Cost Estimate for informational purposes.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				