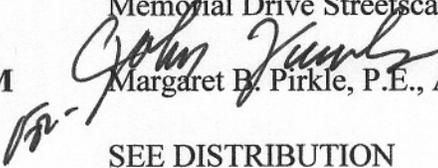


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0007130, DeKalb County **OFFICE** Preconstruction  
CSHPP-0007-00(130)  
Memorial Drive Streetscapes, Phase 2 **DATE** June 24, 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**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 0007130, DeKalb County **OFFICE** Preconstruction  
CSHPP-0007-00(130)  
Memorial Drive Streetscapes, Phase 2 **DATE** June 14, 2005

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

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

**SUBJECT** PROJECT CONCEPT REPORT

This project is the streetscape designs and intersection improvements along SR 154/Memorial Drive from SR 155/Candler Road to Mountain Drive for a total of 3.40 miles. The DeKalb County Economic Development Authority has targeted an 8.0 mile section of Memorial Drive between Candler Road and Stone Mountain Park as a corridor for economic revitalization. Memorial Drive is a multi-lane urban arterial that traverses primarily an east/west direction in DeKalb County. The historic accident data along the corridor for 2000, 2001, and 2002 were obtained and the results indicate that the number of accidents, fatalities, and injuries along the corridor are significantly higher than the statewide averages. Presently, there are sidewalks along both sides of Memorial Drive for approximately half of the length of the project. There are obvious and well worn footpaths along Memorial Drive in areas without sidewalks, indicating a substantial amount of pedestrian traffic. The purpose of this project is to increase pedestrian safety and to create an attractive and safe environment for the public that frequent this arterial.

The proposed construction will consist of aesthetic streetscape, sidewalk, and minor traffic management improvements. Sidewalk improvements will include upgrading existing sidewalks to meet ADA. Existing sidewalks and curb and gutter will be replaced if they are determined to be in unacceptable condition. Proposed 6' sidewalks, with a 2' colored stamp concrete amenity strip, will be added on both sides where no existing sidewalks are present. To minimize the required right-of-way as well as to prevent the encroachment of the proposed construction slopes on the existing parking lots along Memorial Drive, several structural and gravity walls will be constructed. Lengths of existing turn lanes will be extended where impacts to existing right-of-way can be minimized, and existing intersections with tight radius of return will be improved.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing open house is not required; time saving procedures are appropriate.

David Studstill

Page 2

P.I. No. 0007130, DeKalb

June 14, 2005

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)	\$7,143,000	\$4,639,000	Q92	2006
Right-of-Way & Utilities*	Local	Local		

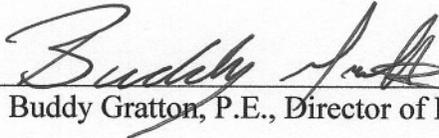
\*DeKalb County signed LGPA on 4-19-00 for right-of-way, utilities, and 20% of PE and construction costs.

I recommend this project concept be approved.

MBP:JDQ/cj

Attachment

CONCUR

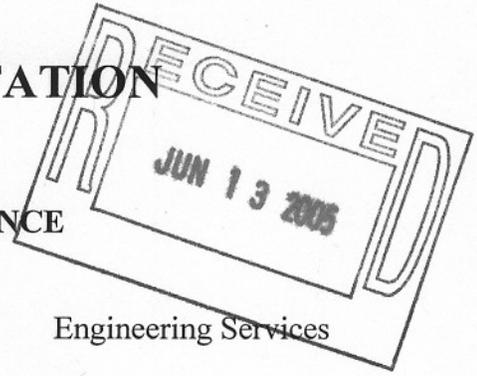
  
Buddy Gratton, P.E., Director of Preconstruction

APPROVE

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**



**FILE:** CSHPP-007-00(130) DeKalb  
P.I. No. 0007130  
Memorial Drive Streetscapes

**OFFICE:** Engineering Services

**DATE:** June 13, 2005

**FROM:** Brian K. Summers, Project Review Engineer *REN*

**TO:** Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT: CONCEPT REPORT**

We have reviewed the Concept Report submitted May 20, 2005 by the letter from Bryant Poole dated May 19, 2005, and have the following comment:

- The status of the LGPA should be noted in the Concept Report.

The costs for this project are:

Construction	\$5,889,610
Inflation	\$603,685
E & C	\$649,329
Reimbursable Utilities	\$210,000 (LGPA anticipated)
Right of Way	\$925,776 (LGPA anticipated)

REW

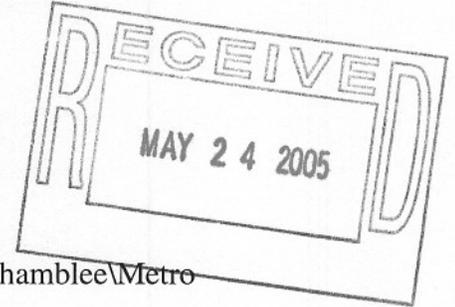
c: Bryant Poole. Attn.: Sam Woods

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> CSHPP-007-00(130)		<b>County:</b> DeKalb		<b>PI No.:</b> 0007130	
<b>Report Date:</b> May 19, 2005		<b>Concept By:</b> DOT Office: District 7			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Arcadis			
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <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			
<b>Presentation</b>	100	The status of the LGPA should be noted in the Concept Report.			
<b>Judgement</b>	100				
<b>Environmental</b>	100				
<b>Right of Way</b>	100				
<b>Utility</b>	100				
<b>Constructability</b>	100				
<b>Schedule</b>	100				

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**



**FILE:** CSHPP-0007-00(130), Dekalb County  
SR 10/Memorial Drive  
Candler Rd to Mountain Dr  
P.I. # 0007130

**OFFICE:** Chamblee Metro

**DATE:** May 19, 2005

**FROM:** Bryant Poole, District Engineer

**TO:** Meg Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT:** *PROJECT CONCEPT REPORT*

Attached is the original copy of the concept report for your further handling for approval in accordance with the PDP.

If you have any questions in regards to this concept, please contact Sam Woods at (404) 463-4947.

BP\WSL\saw

cc: Keith Golden  
David Mulling  
Harvey Keepler  
Joe Palladi  
Jamie Simpson  
File

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*District 7*

**PROJECT CONCEPT REPORT**

Project Number: CSHPP-0007-00(130)

County: DeKalb

P. I. Number: 0007130

Federal Route Number: N/A

State Route Number: SR 154

City Street Number: N/A

**Memorial Drive (SR 154) Streetscapes Phase II**

Description: Streetscape designs and intersection improvements of SR154/Memorial Drive from SR155/Candler Road to Mountain Drive.

Recommendation for approval:

DATE 5/19/05

  
\_\_\_\_\_  
Project Manager

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

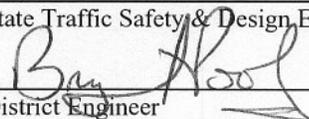
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety & Design Engineer

DATE 5/19/05

  
\_\_\_\_\_  
District Engineer

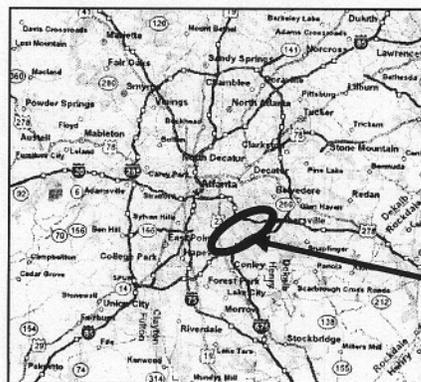
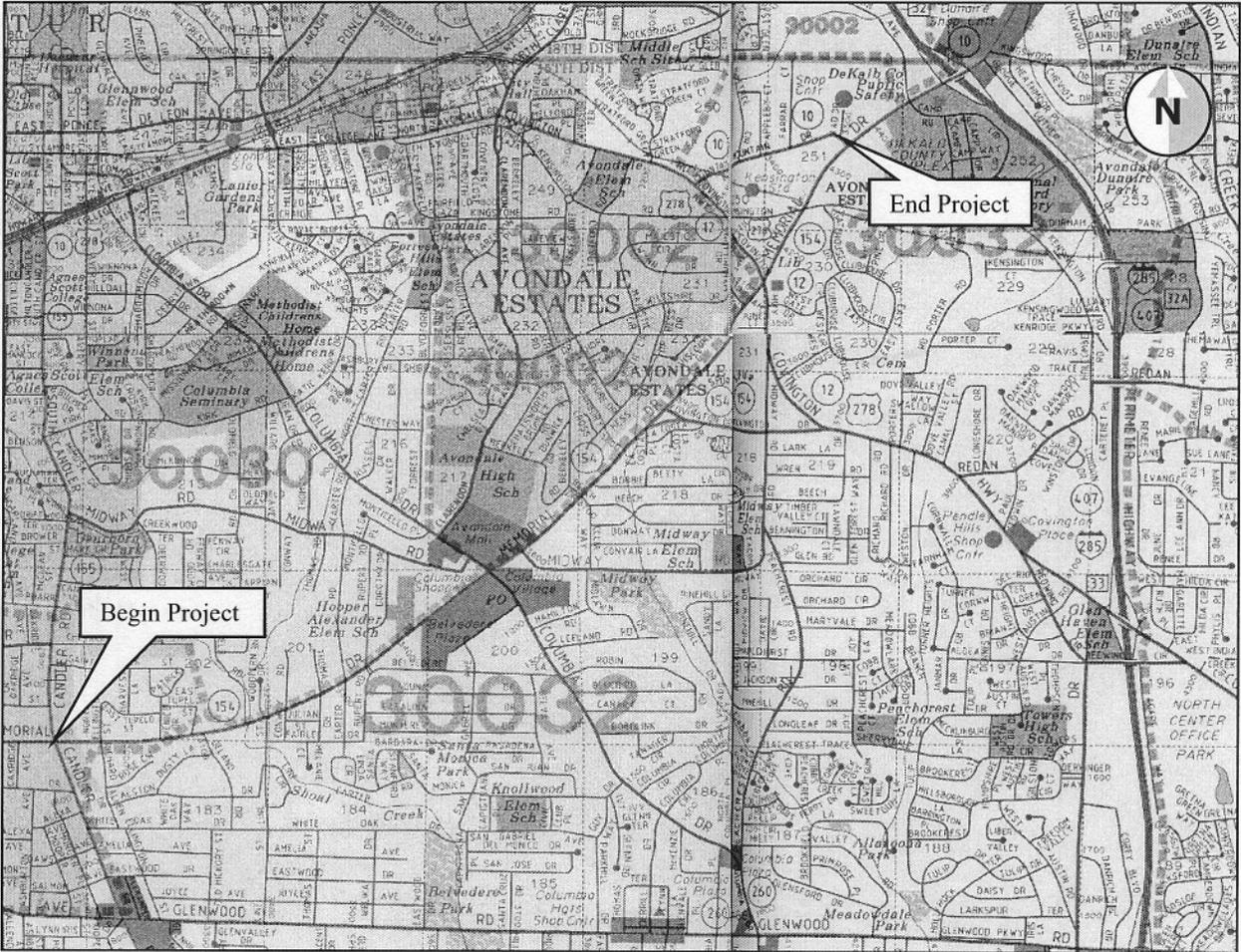
DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

# Project Location Map

Not to Scale

## Memorial Drive (SR 154) Streetscape Phase II



**Need and Purpose:** The DeKalb County Economic Development Authority has targeted an 8-mile section of Memorial Drive (SR 154) between Candler Road (SR 155) and Stone Mountain Park as a corridor for economic revitalization. Memorial Drive is a multi-lane urban arterial that traverses primarily an eastwest direction in DeKalb County. The purpose of this project is to increase pedestrian safety and to create an attractive and safe environment for the public that frequent this artery. Limited traffic management improvements, for increasing operational efficiency, will be incorporated into this project. Pedestrian safety and aesthetics improvements, such as construction of sidewalks, landscape design, lighting, benches or bus shelters, and other pedestrian amenities, will be implemented.

Presently, there are sidewalks along both sides of Memorial Drive for approximately half of the length of the project. There are obvious and well-worn footpaths along Memorial Drive in areas without sidewalks indicating a substantial amount of pedestrian traffic. Most of the existing sidewalks are of substandard widths and will be replaced. Sidewalks will be added in areas currently without them. The addition of sidewalks will provide residents and commuters with safer, more direct, and convenient access to/from the existing MARTA bus stops, shopping centers, and residences along Memorial Drive. The proposed sidewalks will provide safer connections between existing commercial, residential, and institutional facilities along Memorial Drive as well. The addition of the sidewalks and the streetscape items would create a more attractive and aesthetically pleasing, as well as a safer and pedestrian friendly, environment, which in turn would facilitate more pedestrian traffic.

The historic accident data along the corridor for 2000, 2001, and 2002 were obtained from GDOT and included in Table 1. A comparison of the accident rate, fatality rate, and injury rate along the corridor and the corresponding statewide averages is summarized as well. The results indicate that the numbers of accidents, fatalities, and injuries along this corridor are significantly higher than the statewide averages.

Table 1. Comparison of Accident Rates with Statewide Average

Year	Annual Vehicle Miles Traveled (Million)	Total Accidents	Total Fatalities	Total Injuries	Accident Rate*		Fatality Rate*		Injury Rate*	
					Actual	State Average	Actual	State Average	Actual	State Average
2000	32.3	352	2	206	1090	493	6.19	1.47	638	199
2001	31.5	331	2	174	1051	560	6.35	1.48	552	222
2002	31.7	327	1	186	1032	728	3.15	1.74	587	281

\* Rate in per 100 million vehicle miles (100 MVM).

Project Concept Report Page 4  
Project Number: CSHPP-0007-00(130)  
P. I. Number: 0007130  
County: DeKalb

**Description of the proposed project:** This Project Concept Report is for Phase II which extends from Candler Road, approximately at mile marker 3.3, to Mountain Drive, approximately at mile marker 6.7, for a length of 3.4 miles.

This project consists of aesthetic streetscape, sidewalk, and minor traffic management improvements. Streetscape elements will include landscaping, bus stop seating, site furnishings, and ornamental pedestrian lights. Landscaping will consist of planting various species of trees and shrubs throughout the corridor to create a visually appealing and pleasant environment without interfering with the visibility of the motorists and the pedestrians. The selected species of trees and shrubs should not conflict with existing utilities. Bus stop seating and site furnishings, comprised of benches, trash receptacles, and bike racks, will provide comfort and convenience for the public, as well as adding to the visual appeal. Ornamental pedestrian lights will serve the practical purpose of providing adequate lighting necessary for improving pedestrian safety while, at the same time, contributing to the overall aesthetic impact of the project corridor.

Sidewalk improvements will include upgrading existing sidewalks to meet the Americans with Disabilities Act. Existing sidewalks and curb and gutter will be replaced if they are determined to be in unacceptable conditions. Proposed 6-foot sidewalks, with a 2-foot colored stamped concrete amenity strip, will be added on both sides where no existing sidewalks are present. Design will be performed to in these areas to ensure proper drainage of the mainline and sidewalk. Existing drainage structures, in the remainder of the project corridor, will be replaced if they are determined to be damaged to a point where they are no long effective. To minimize the required Right of Way, as well as to prevent the encroachment of the proposed construction slope on the existing parking lots along Memorial Drive, several structural and gravity walls will have to be constructed. This will also limit and reduce impacts on existing businesses.

Based on the traffic study, additional turn lanes are warranted at 11 intersections within the limits of this project. Due to Right of Way constraints, not all the turn lanes recommended will be implemented. However the lengths of existing turn lanes will be extended wherever feasible to reduce vehicle backups on Memorial Drive.

Limited traffic management improvements will be performed for Phase II. According to the traffic analysis performed by ARCADIS, 11 intersections within the project limits along Memorial Drive require additional or separate turn lanes. Due to limited Right of Way, most of the turn lanes will not be constructed. However the lengths of existing turn lanes will be extended where impacts to existing Right of Way can be minimized. Existing intersections with tight radius of return will be improved. For example, due to the radius of return in the northeast quadrant of Rupert Road at Memorial, a school bus making a right turn from Memorial Drive cannot do so without occupying both lanes of Rupert Road. The radius of return will be increased at this particular intersection with minimized impacts.

Project Concept Report Page 5  
Project Number: CSHPP-0007-00(130)  
P. I. Number: 0007130  
County: DeKalb

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

Project concept is consistent with the model which indicates pedestrian improvements along Memorial Drive.

**PDP Classification:** Minor, Existing

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

**Functional Classification:** Urban Minor Arterial

**U. S. Route Number(s):** N/A **State Route Number(s):** 154 & 155

**Traffic (AADT):**

Current Year: (2007) 25,890 Design Year: (2027) 31,580

**Existing design features:**

- Typical Section:
  - 4 to 6 – 11' lanes
  - 24" to 30" curb & gutter
  - 3' to 5' of sidewalk
- Posted speed: 45 mph
- Minimum Radius of Curve: 3000 feet
- Maximum grade: 7%
- Width of right of way: Minimum of 100ft
- Major structures: None
- Major interchanges or intersections along the project: Memorial Drive @ Candler Road; Memorial Drive @ Columbia Drive; Memorial Drive @ Covington Highway.
- Existing length of roadway segment: 3.41 miles

**Proposed Design Features:**

- Proposed typical section(s):
  - 4 to 6 – 11' lanes
  - 30" curb and gutter
  - 6-foot of sidewalk
  - 2-foot colored stamped concrete amenity strip between the back of curb and sidewalk

- Proposed Design Speed Mainline: 45 mph
- Proposed Maximum Grade Mainline: 7.00%      Maximum Grade Allowable: 9.00%
- Proposed Maximum Grade Side Street: N/A      Maximum Grade Allowable: 9.00%
- Proposed Maximum Grade Driveway:
  - Commercial → 13% in Fill, 15% in Cut
  - Residential → 21% in Fill, 19% in Cut
- Proposed Minimum Radius of Curve: 3000 feet
- Right of Way
  - Width: Varies 100 feet to 120 feet
  - Easements: Temporary ( X ), Permanent ( X ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( X ), Other ( ).
  - Number of parcels: 111      Number of displacements:
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Bridges: None
  - Culverts: Triple 10'X10' RCBC at Sta. 533+50
  - Retaining walls: Memorial Drive: STA 520+00± to 525+00± (RT), STA 544+40± to 545+20± (LT), STA 615+20± to 615+50± (RT), STA 617+50± to 621+50± (LT), STA 654+00± to 657+20± (RT), and STA 672+80± to 677+40± (RT).
- Major intersections and interchanges: Memorial Drive @ Candler Road; Memorial Drive @ Columbia Drive; Memorial Drive @ Covington Highway.
- Traffic control during construction: Staged construction; traffic will be maintained on existing roadway at all times during construction. No road closure or detour expected. Access to existing sideroads and driveways will be maintained during construction.
- Design exceptions to controlling criteria anticipated:
 

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	( )
ROADWAY WIDTH:	( )	( )	( X )
SHOULDER WIDTH:	( )	( )	( X )
VERTICAL GRADES:	( )	( )	( X )
CROSS SLOPES:	( )	( )	( X )

STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

\*To minimize impact and the required Right of Way through the corridor, proposed 2:1 front slopes, retaining walls, and gravity walls will be constructed within the clear zone behind the proposed sidewalks, pedestrian lights, and street trees when a 4:1 slope is not feasible. Horizontal clearance is also not met due to the proximity of existing utilities. If GDOT's request of moving all existing utilities to outside of the clear zone is met, utilities will then not be an issue and will not be included in the design exception as violating the horizontal clearance.

- Design variances:  
 Based on the recommendation stated in the GDOT Interdepartmental Correspondence regarding design guidance, dated January 7, 2003, a design variance will be required to maintain the existing 11-foot lanes widths along Memorial Drive.  
 A design variance will be required for the existing commercial driveways that have a grade of greater than 11%. No extensive work, such as correcting substandard grade, is expected to be done since that would fall outside of the scope of a streetscape project.
- Environmental concerns: None anticipated
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( X ), No ( )
  - Categorical Exclusion ( Yes ),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) (No) or
  - Environmental Impact Statement (EIS) (No )
- Utility involvements: The following have possible utilities located within the project limits:
  - Atlanta Gas Light Company
  - BellSouth Telecommunications
  - Comcast of Georgia, Inc.
  - Georgia Power
  - City of Atlanta Public Works
  - City of Atlanta
  - DeKalb W&S

**Project responsibilities:**

- Design: DeKalb County/ARCADIS
- Right of Way Acquisition: DeKalb County
- Relocation of Utilities: DeKalb County

Project Concept Report Page 8  
Project Number: CSHPP-0007-00(130)  
P. I. Number: 0007130  
County: DeKalb

- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: N/A
- Providing detours: N/A
- On-site construction staging: N/A

#### **Coordination**

- Initial concept meeting date: N/A
- Concept meeting date: To be scheduled
- PAR meetings, dates and results: None Anticipated
- FEMA, USCG, and/or TVA: Not Applicable
- Public involvement: None to date
- Local government comments: None to date
- Other projects in the area:
  - HPP-IM-285-1(353) P.I. No. 713280 – SR10/Memorial Drive at I-285
  - HPP-00MS(376) P.I. No. 753200 – SR10/Memorial Drive Phase IA from Mountain Drive to south of Collingwood Drive
  - CSHPP-0007-00(129) P.I. No. 0007129 – SR10/Memorial Drive Phase IB from south of Collingwood Drive to Woodcroft Road
  - CSHPP-0007-00(131) P.I. No. 0007131 – SR10/Memorial Drive Phase III from Woodcroft to Goldsmith Road
  - STP-0002-22(405) P.I. No. 0002405 – SR10/Memorial Drive from Mountain Drive to Goldsmith Road
  - STP-0002-00(411) P.I. No. 0002411 – SR154/Memorial Drive from Columbia Drive to Kensington Road
- Other coordination to date: None
- Railroads: None

#### **Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 5 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: N/A Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase Right of Way: 13-14 Months.
- List other major items that will affect the project schedule: \_\_\_\_\_Months.

#### **Other alternates considered:**

- No build. – The purpose of this project is to create a more attractive atmosphere and to increase pedestrian safety. Leaving Memorial Drive in its current condition would not accomplish this.

Project Concept Report Page 9  
Project Number: CSHPP-0007-00(130)  
P. I. Number: 0007130  
County: DeKalb

**Comments:**

The location of landscaping items such as trees, benches, lights, etc. will be consistent with the offset requirements in the 2003 GDOT Streetscape and Pedestrian Guide. Efforts are being made to coordinate with other projects in the area to maintain and ensure continuity between the different phases along Memorial Drive.

**Attachments:**

1. Cost Estimates:
  - a. Construction including E&C and Inflation
  - b. Utilities (funded by DeKalb County)
    - i. Reimbursable utilities – to be determined
    - ii. Non-reimbursable utilities – to be determined
  - c. No operation improvements are included
  - d. No work on signals is included
  - e. Phase II lighting will match Phase IB
  - f. Retain existing 4-foot concrete corrugated median
  - g. Unit cost for pedestrian light is assumed to be \$2,000.00.
  - h. Directional lighting is not included
  - i. Cost for landscaping not including tree grate and frame
2. Typical sections
3. Concept Team Meeting Minutes
4. Location and Design Notice

**PRELIMINARY PROJECT COST ESTIMATE  
CSHPP-0007-00(130)**

page 1 of 3  
P.I.NO. 0007130  
DeKalb County

DATE: 14-Jan-05      **Memorial Drive Streetscape**

PROJECT LETTING DATE: **May 2007**

PREPARED BY: ARCADIS

PROJECT LENGTH (MILES): 3.4

( ) PROGRAMMING PROCESS ( X ) CONCEPTUAL DEVELOPMENT ( ) DURING PROJ DEV.

PROJECT COSTS

A. RIGHT OF WAY:

1. PROPERTY (Land & Easement)

a. Acquisition & Easement	4.5 AC				\$925,776.29
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2. DISPLACEMENTS:

a. Mobile Homes	0 EA				
b. Residences	0 EA				
c. Businesses	0 EA				

3. OTHER COSTS (adm./court,inflation)  
60% of (1+2)

	SUBTOTAL:A				\$925,776.29
--	------------	--	--	--	--------------

B. REIMBURSABLE UTILITIES:

1. TELEPHONE	30 EA				\$210,000.00
2. ELECTRIC TRANSMISSION LINES					\$0.00
3. FIBER OPTIC LINE					\$0.00
4. GAS LINES					\$0.00
5. SERVICES					\$0.00

	SUBTOTAL:B				\$210,000.00
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C. CONSTRUCTION:

1 GRADING AND DRAINAGE (MAINLINE):

a. SITEWORK

1) Borrow Excav.	8500 CY	\$	10.00		\$85,000
------------------	---------	----	-------	--	----------

b. DRAINAGE:

1) Cross Drain Pipes	300 LF		\$60.00		\$18,000
2) Cross Drain End Treatments	8 EA		\$500.00		\$4,000
3) Longitudinal Pipes	12000 LF		\$40.00		\$480,000
4) Spillway	0 EA		\$1,700.00		\$0
5) Side Drain Pipe	600 LF		\$25.00		\$15,000
6) Side Drain End Treatments	20 EA		\$400.00		\$8,000
7) Drop Inlets/Catch Bas(Incl. Add depth)	85 EA		\$2,000.00		\$170,000

	SUBTOTAL:C-1				\$780,000
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**PRELIMINARY PROJECT COST ESTIMATE**  
**CSHPP-0007-00 (130)**

page 2 of 3  
P.I.NO. 0007130  
DeKalb County

2 BASE AND PAVING (MAINLINE):

a.	12 in G.A.B.	170 SY	\$25.00	\$4,250
b.	ASPHALT PAVING:			
1)	1.5" Asph. Conc. 12.5 mm Sprpve	15 TON	\$45.00	\$675
2)	2" Asph. Conc. 19 mm Sprpve	20 TON	\$45.00	\$900
3)	5" Asph. Conc. 25 mm Sprpve	50 TON	\$45.00	\$2,250
4)	Leveling	35 TON	\$36.00	\$1,260
5)	Bitum. Tack	25 GAL	\$1.00	\$25
c.	CONCRETE ITEMS			
1)	Curb and Gutter, Type II	30000 LF	\$20.00	\$600,000
2)	Header Curb	5200 LF	\$15.00	\$78,000
3)	6' Sidewalk	24000 SY	\$30.00	\$720,000
4)	Drive Concrete, 6 in	5000 SY	\$30.00	\$150,000
5)	Stamped Concrete, 4 in	8000 SY	\$25.00	\$200,000

d. OTHER

SUBTOTAL:C-2 **\$1,757,360**

3 LUMP ITEMS:

a.	TRAFFIC CONTROL	3.4 MI	\$50,000	\$170,000
b.	CLEARING AND GRUBBING	18.8 AC	\$10,000	\$188,000
c.	EROSION CONTROL	3.4 MI	\$80,000	\$272,000
d.	GRASSING	3.4 MI	\$45,000	\$153,000

SUBTOTAL:C-3 **\$783,000**

4 MISCELLANEOUS:

a.	FIELD ENGINEERS OFFICE	0 EA	\$60,000	\$0
b.	GUARDRAIL	4000 LF	\$12	\$48,000
	Guardrail Anchor.	30 EA	\$1,000	\$30,000
c.	SIGNING - STRIPING - SIGNAL			
	Signing/Striping	1 MI	\$25,000	\$25,000
	Traffic Signal	0 EA	\$125,000	\$0
d.	LIGHTING			
	Pedestrian Lighting (40 feet on center)	750 EA	\$2,000	\$1,500,000
e.	SITE FURNITURE	3.4 MI	\$55,000	\$187,000
f.	LANDSCAPING	3.4 MI	\$155,000	\$527,000

SUBTOTAL:C-4 **\$2,317,000**

**PRELIMINARY PROJECT COST ESTIMATE  
CSHPP-0007-00(130)**

page 3 of 3  
P.I.NO. 0007130  
DeKalb County

5 MAJOR STRUCTURES:			
a. BRIDGES:	0 SF	\$70	\$0
b. BOX Single 6'x5'	30 LF	\$420	\$12,600
Single 7'x8'	30 LF	\$530	\$15,900
Single 6'x6'	30 LF	\$450	\$13,500
Triple 10'x10'	30 LF	\$1,800	\$54,000
c. RETAINING WALLS:	1100 SY	\$50	\$55,000
d. GRAVITY WALLS:	2250 SY	\$45	\$101,250
		SUBTOTAL:C-5	<b>\$252,250</b>

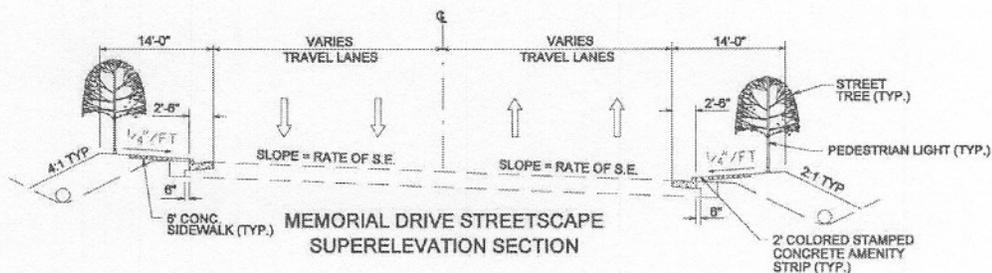
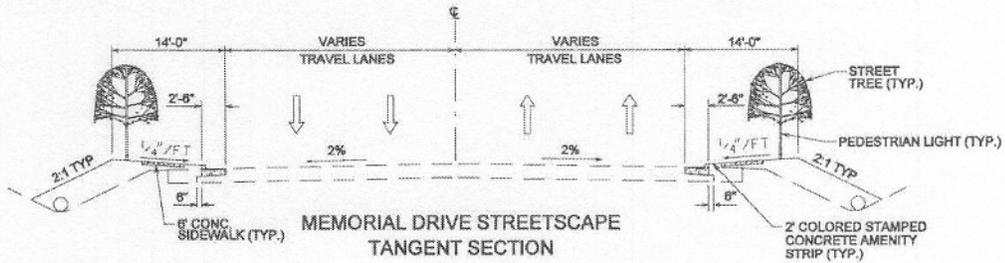
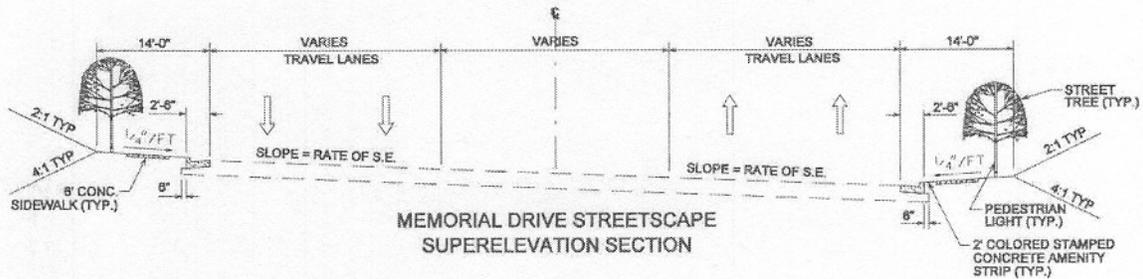
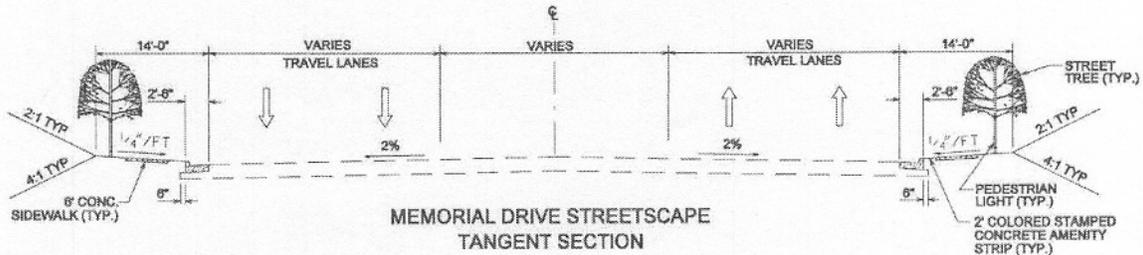
ESTIMATE SUMMARY

A. RIGHT OF WAY		\$925,776
B. REIMBURSABLE UTILITIES		\$210,000
C. CONSTRUCTION		
1 GRADING AND DRAINAGE		\$780,000
2 BASE AND PAVING		\$1,757,360
3 LUMP ITEMS		\$783,000
4 MISCELLANEOUS		\$2,317,000
5 MAJOR STRUCTURES		\$252,250
SUBTOTAL CONSTRUCTION COST		\$5,889,610
E. & C. (10 %)		\$588,961
INFLATION (5 % PER YEAR) 2YRS		\$664,054
TOTAL CONSTRUCTION COST		\$ 7,142,625
GRAND TOTAL PROJECT COST		<b>\$8,278,401</b>

# MEMORIAL DRIVE STREETScape

PROJECT NO. CSHPP-0007-00(130)

P.I. NO. 0007130



2540 Peach Ferry Road, Suite 403  
Atlanta, Georgia 30339  
Tel: 770-401-8800 Fax: 770-435-2809

MEMORIAL DRIVE STREETScape

DEKALB COUNTY, GA

TYPICAL SECTIONS

PROJECT NUMBER  
CSHPP-0007-00(130)

P.I. NUMBER  
0007130

ARCADIS G&M, Inc.  
2849 Paces Ferry Road  
Suite 400  
Atlanta  
Georgia 30339  
Tel 770 431 8666  
Fax 770 435 2666

**MEETING REPORT**

Subject:  
Concept Team Meeting  
S.R. 154/Memorial Drive Streetscape Phase II  
CSHPP-0007-00(130)  
P.I. No. 0007130

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Department:  
Transportation

ARCADIS Project No.:  
GA062812-16

Place/Date of Meeting:  
Georgia Department of Transportation  
District 7 Preconstruction Conference Room  
Wednesday, March 23, 2005 8:30 A.M.

Report No.:

Minutes by:  
Ashley Chan

Issue Date:  
March 25, 2005

Participants:  
Mike Lobdell, GDOT  
Chris Woods, GDOT  
Sam Woods, GDOT  
Marshall Troup, GDOT  
Scott Lee, GDOT  
Ray McEachern, GDOT  
Shun Pringle, GDOT  
Zanda Montgomer, GDOT Environmental  
Sharon Witherspoon, GDOT – Utilities  
David Pelton, DeKalb County  
Nikki Reutlinger – PBS&J  
Donna Via, Georgia Power  
Dale Petticord, Georgia Power  
Brian Leavell, AGL Resources  
Ashley Chan, ARCADIS  
Johnny Lee, ARCADIS  
Doug Tilt, ARCADIS  
Min Zhou, ARCADIS

Not Present:

Copies:

This meeting was held to discuss the Concept Report and the concept layout of the aforementioned project as part of the Concept Team Meeting.

#### Introductions and Overview of the Project

- Mr. Chris Woods chaired and opened the meeting. The attendees were asked to introduce themselves.
- Ms. Ashley Chan was asked to give a brief description of the project. She also presented some of the concerns and issues that are associated with this project. One of the concerns includes an area along S.R.154/Memorial Drive where an existing ditch needs to be preserved in order to minimize impact. The lack of existing right of way was also mentioned. Ms. Chan also stated that the operational improvements recommended, as a result of a traffic study performed by ARCADIS, would not be incorporated in this concept.
- Mr. Doug Tilt stated that minor operational improvements, such as lengthening of existing turn lanes, adjusting signal timing, etc., would be considered. In places where no additional right of way is required, these improvements will be incorporate.

#### The following issues and concerns were discussed.

- Mr. Marshall Troup raised the issue of whether an existing 4-foot flush, corrugated concrete median within the limits of the project would be replaced. Ms. Chan stated that the median would remain because the nature of this concept is to improve and provide streetscape design. In addition, the existing median is not sufficient to be used as pedestrian refuge due to its width, so no significant effect on pedestrian safety will be achieved by replacing it with a raised concrete median of the same width.
- Ms. Sharon Witherspoon requested that all utility poles along the project corridor be moved to outside of the clear zone.
- Mr. Marshall Troup inquired if mid-block crossings would be permitted. Ms. Nikki Reutlinger stated that there will be no mid-block crossings, however efforts are being made, with help from MARTA, to consolidate bus stops. Mr. Mike Lobdell expressed concern about the effects of this effort on the project schedule. Ms. Reutlinger stated that MARTA is aware of the project schedule.
- Mr. Ray McEachern inquired about the regulatory sign that prohibits left turns during certain hours of the day at the intersection of S.R.154/Memorial Drive and S.R.155/Candler Road. Mr. Doug Tilt indicated that this sign, an effort to reduce accidents during peak traffic hours, was placed there for safety purposes and shall not be removed without further evaluation.
- Mr. Brian Leavell indicated that potential conflicts and impacts with AGL facilities would occur where an existing ditch is being relocated, as well as where gravity and retaining walls are being proposed.
- Ms. Sharon Witherspoon inquired about the source of the funding for moving all utility poles out of the clear zone. Mr. David Pelton stated that he would check with DeKalb County. Ms. Witherspoon suggested permanent easements be shown on the plans to allow more space for these poles.
- Ms. Ashley Chan stated that there are 2 wetlands and 1 potential historic parcel within the limits of the project.
- Mr. Dale Petticord expressed concerns about the potential conflict between the landscaping trees and the overhead utilities. Mr. Mike Lobdell stated that safety and preventing of utility conflicts will be two major factors in selecting the size and type of the trees to be used.

- Mr. Chris Woods expressed concern about the cost estimate, as an attachment to the Concept Report, at the amount of approximately \$7.1 million exceeds the programmed amount. Ms. Nikki Reutlinger indicated that the project would include all improvements that are proposed and stated in the Concept Report. DeKalb County would be responsible for looking for additional funding. If no additional funding is available, then the scope and the concept would be reduced.
- Mr. Marshall Troup inquired about the public involvement. Mr. David Pelton stated that DeKalb County intends to hold at least one more public meeting.
- Mr. Mike Lobdell inquired about the widths of the lanes along the corridor. Ms. Ashley Chan stated that most areas have 12-foot lanes, however some places areas do have 11-foot lanes.

The following comments were made during the review of the Concept Report

- Cover
  1. Add SR155 (Candler Road) to the cover
- Location Map
  1. Revise the Location Map to show I-285 and possibly even the location of the project within DeKalb County
- Report
  1. *Description of the Proposed Project* → Add a note stating that drainage design would be incorporated in areas where curb and gutter is proposed where no existing curb and gutter is present; also make a note about replacing drainage structures that are no longer in acceptable condition
  2. *Proposed Maximum Driveway Grade* → Differentiate between the maximum proposed grades for residential and commercial drives
  3. *State Route Numbers* → Add SR155
  4. *Existing Design Features & Proposed Design Features* → Mr. Mike Lobdell requested that “Maximum Degree of Curve” and “Maximum Degree Allowable” be changed to “Minimum Radius of Curve” and “Minimum Radius Allowable” respectively.
  5. *Design Exception* → Mr. Mike Lobdell suggested that a note to be added to indicate that a design exception would not be required if all the utility poles are to be moved out of the clear zone required for a 45 mph design speed.
  6. *Other Projects in the Area* → PI#753200 was divided into the following phase and the Concept Report shall reflect the change
    - P.I. No. 753200  
HPP-00MS(376)  
SR10/Memorial Drive from Mountain Drive to South of Collingwood Drive
    - P.I. No. 0007129  
CSHPP-0007-00(129)  
SR10/Memorial Drive from South of Collingwood Drive to Woodcroft Road
    - P.I. No. 0007130  
CSHPP-0007-00(130)  
SR154/Memorial Drive from Candler Road to Mountain Drive
    - P.I. No. 0007131  
CSHPP-0007-00(131)  
SR10/Memorial Drive from Woodcroft Road to Goldsmith Road

7. *Structures* → Add the triple 10'X10' RCBC that would be extended as a major structure
8. *Comments* → Add a note stating that considerations and effort is given to maintain continuity between the different phases along Memorial Drive
9. *Notice of Location and Design Approval* → Add one to the Concept Report
10. *Attachments* → Intersection LOS (including recommended operational improvements to improve intersection LOS), Traffic Volumes, and Intersection Sketches are to be removed from the Concept Report
11. *Utility Involments* → Ms. Sharon Witherspoon requested that MCI, DeKalb County Engineering, and Georgia Power Transmission be added

#### Closing

- Mr. Chris Woods closed the meeting

## NOTICE OF LOCATION AND DESIGN APPROVAL

**CSHPP-0007-00(130), DeKalb County  
P. I. No. 0007130**

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

The proposed project consists of pedestrian safety improvement, as well as streetscape design, along SR154/Memorial Drive from SR155/Candler Road to Mountain Drive in. The project lies within land lots 183, 200, 201, 202, 217, 218, 230, 231, 251, 15<sup>th</sup> District of DeKalb County Georgia.

Memorial Drive, a multi-lane urban arterial in DeKalb County, is widely used by commuters who live east of City of Atlanta. There is also a substantial amount of pedestrian traffic within the project corridor. There are sidewalks along both sides of Memorial Drive for approximately more than half of the length of the project. Most of the existing sidewalks within the project limits are of substandard widths.

Date of Location Design Approval: *JUNE 24, 2005*

Pedestrian safety improvement would be achieved through the addition of the proposed sidewalks that meet ADA standards. A 2-foot amenity strip is proposed between the curb and the sidewalk. This will offer a more distinct buffer for pedestrians that utilize the sidewalks while, at the same time, provide aesthetic improvement. Pedestrian lights and street trees are proposed to attain a more attractive environment.

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:

**Thomas C. Parker, Area Engineer  
Georgia Department Of Transportation  
805 George Luther Drive  
Decatur, Georgia 30032  
Email: thom.parker@dot.state.ga.us  
Phone: (404) 299-4386**

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

**Mike Lobdell, District Preconstruction Engineer  
Georgia Department Of Transportation  
5025 New Peachtree Road  
Chamblee, Georgia 30341  
Email: mike.lobdell@dot.state.ga.us  
Phone: (404) 463-4947**

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

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

District 7

PROJECT CONCEPT REPORT

Project Number: CSHPP-0007-00(130)

County: DeKalb

P. I. Number: 0007130

Federal Route Number: N/A

State Route Number: SR 154

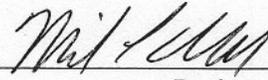
City Street Number: N/A

Memorial Drive (SR 154) Streetscapes Phase II

Description: Streetscape designs and intersection improvements of SR154/Memorial Drive from SR155/Candler Road to Mountain Drive.

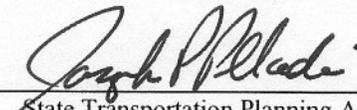
Recommendation for approval:

DATE 5/19/05

  
Project Manager

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

DATE 5/23/05

  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

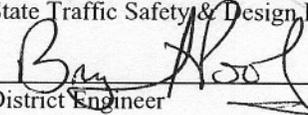
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety & Design Engineer

DATE 5/19/05

  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

1. DE req'd for light poles - not noted whether they would be Breakaway or what offset is to be used.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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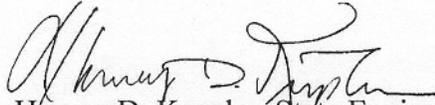
**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 0007130

**OFFICE:** Environment/Location

**DATE:** June 1, 2005

**FROM:**

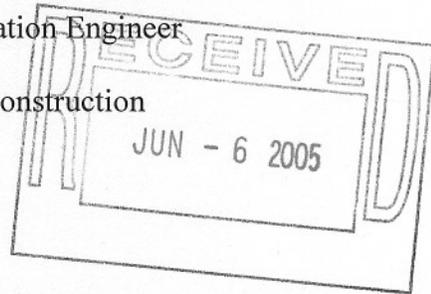
  
Harvey D. Keeper, State Environmental/Location Engineer

**TO:**

Margaret B. Pirkle, Assistant Director of Preconstruction

**SUBJECT:**

**PROJECT CONCEPT REPORT  
CSHPP-0007-00(130) / DeKalb County  
Candler Rd. to Mountain Dr.**



The above subject concept report has been reviewed. This Office has no comment at this time.

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers  
Bryant Poole  
Keith Golden  
Joe Palladi  
Jamie Simpson

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*District 7*

**PROJECT CONCEPT REPORT**

Project Number: CSHPP-0007-00(130)

County: DeKalb

P. I. Number: 0007130

Federal Route Number: N/A

State Route Number: SR 154

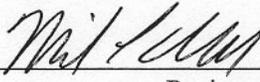
City Street Number: N/A

**Memorial Drive (SR 154) Streetscapes Phase II**

Description: Streetscape designs and intersection improvements of SR154/Memorial Drive from SR155/Candler Road to Mountain Drive.

Recommendation for approval:

DATE 5/19/05

  
\_\_\_\_\_  
Project Manager

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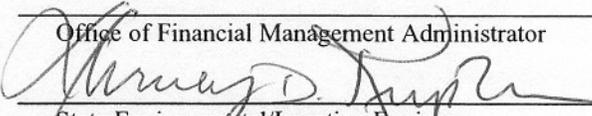
DATE \_\_\_\_\_

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State Transportation Planning Administrator

DATE \_\_\_\_\_

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Office of Financial Management Administrator

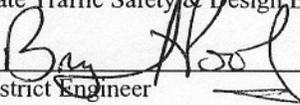
DATE 5.31.05

  
\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety & Design Engineer

DATE 5/19/05

  
\_\_\_\_\_  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*District 7*

**PROJECT CONCEPT REPORT**

Project Number: CSHPP-0007-00(130)

County: DeKalb

P. I. Number: 0007130

Federal Route Number: N/A

State Route Number: SR 154

City Street Number: N/A

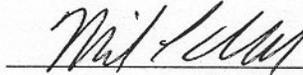
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Description: Streetscape designs and intersection improvements of SR154/Memorial Drive from SR155/Candler Road to Mountain Drive.

Recommendation for approval:

DATE

5/19/05



Project Manager

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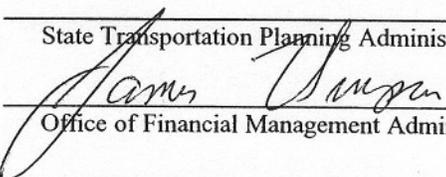
DATE

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State Transportation Planning Administrator

DATE

5-25-05

  
Office of Financial Management Administrator

DATE

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State Environmental/Location Engineer

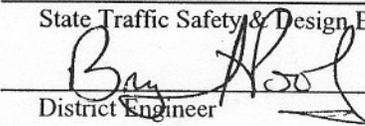
DATE

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State Traffic Safety & Design Engineer

DATE

5/19/05

  
District Engineer

DATE

\_\_\_\_\_

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*District 7*

**PROJECT CONCEPT REPORT**

Project Number: CSHPP-0007-00(130)

County: DeKalb

P. I. Number: 0007130

Federal Route Number: N/A

State Route Number: SR 154

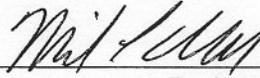
City Street Number: N/A

**Memorial Drive (SR 154) Streetscapes Phase II**

Description: Streetscape designs and intersection improvements of SR154/Memorial Drive from SR155/Candler Road to Mountain Drive.

Recommendation for approval:

DATE 5/19/05

  
Project Manager

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

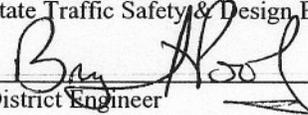
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety & Design Engineer

DATE 5/19/05

  
District Engineer

DATE 6/13/05

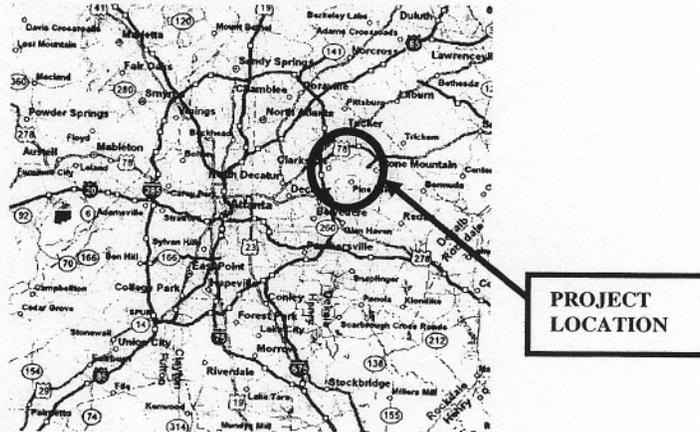
  
Project Review Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Memorial Drive Streetscape, Phase III  
Project Number: CSHP-0007-00(131)  
County: DeKalb  
P. I. Number: 0007131

Federal Route Number: N/A  
State Route Number: 10



Recommendation for approval:

DATE 5/19/05

*Neil Edley*  
Project Manager

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 \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE 5-25-05

*Shirley Bell*  
State Traffic Safety and Design Engineer

DATE 5/19/05

*Ben Hood*  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer