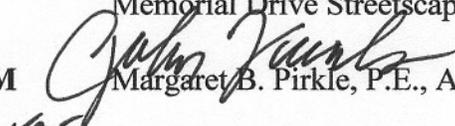


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007131, DeKalb County **OFFICE** Preconstruction
CSHPP-0007-00(131)
Memorial Drive Streetscapes, Phase 3 **DATE** June 24, 2005

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

TO *for* 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. 0007131, DeKalb County **OFFICE** Preconstruction
 CSHPP-0007-00(131)
 Memorial Drive Streetscapes, Phase 3 **DATE** June 14, 2005

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

TO *David E. Studstill, Jr.*
 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 Woodcroft Drive to Goldsmith Road for a total of 3.41 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 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 include streetscape improvements such as sidewalks, landscape design, lighting, benches, and other pedestrian amenities to improve safety for residents and area businesses; and minor traffic management improvements such as lengthening left turn lanes, adding right turn lanes at select locations, and construction of raised stamped concrete medians.

Environmental concerns include requiring a Categorical Exclusion be prepared; a public hearing open house is not required; time saving procedures are 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)	\$6,955,000	\$6,955,000	Q92/Q24	2005
Right-of-Way & Utilities*	Local	Local		

David Studstill

Page 2

P.I. No. 0007131, DeKalb

June 14, 2005

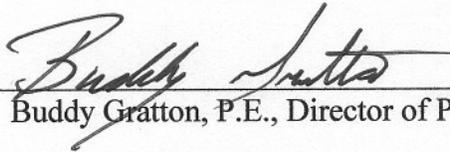
*DeKalb County signed LGPA on 4-19-00 for right-of-way, utilities, and 20% of PE and construction costs.

I recommend this project concept be approved.

MBP:JDQ/cj

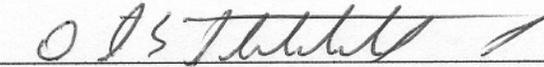
Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

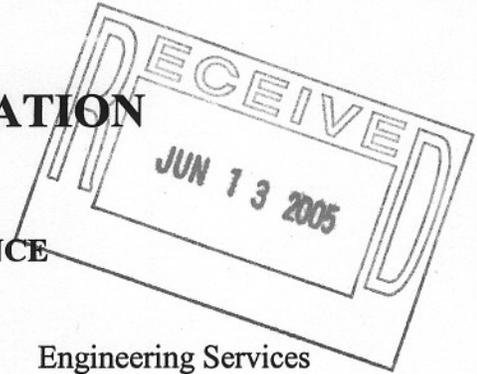
APPROVE



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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE



FILE: CSHPP-007-00(131) DeKalb
P.I. No. 0007131
Memorial Drive Streetscapes

OFFICE: Engineering Services

DATE: June 13, 2005

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

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	\$5,734,432
Inflation	\$587,779
E & C	\$632,221
Reimbursable Utilities	\$679,000 (LGPA anticipated)
Right of Way	\$590,000 (LGPA anticipated)

REW

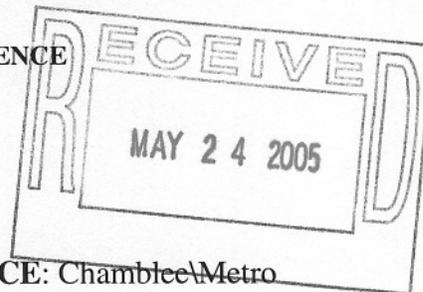
c: Bryant Poole. Attn.: Sam Woods

SCORING RESULTS AS PER MOG 2440-2

Project Number: CSHPP-007-00(131)		County: DeKalb		PI No.: 0007131	
Report Date: May 19, 2005		Concept By: DOT Office: District 7			
<input checked="" type="checkbox"/> Concept Stage		Consultant: JJG			
Project Type: 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			
Presentation	100	The status of the LGPA should be noted in the Concept Report.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE



FILE: CSHP-0007-00(131), Dekalb County
SR 10/Memorial Drive
Woodcroft Rd to Goldsmith Rd
P.I. # 0007131

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

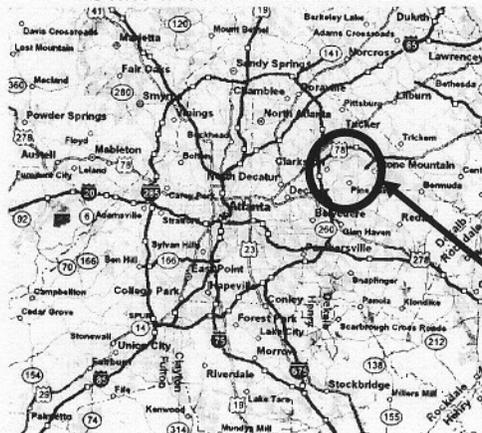
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

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

Federal Route Number: N/A

State Route Number: 10



PROJECT
LOCATION

Recommendation for approval:

DATE 5/19/05

Neil J. Miller
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 _____

State Traffic Safety and Design Engineer

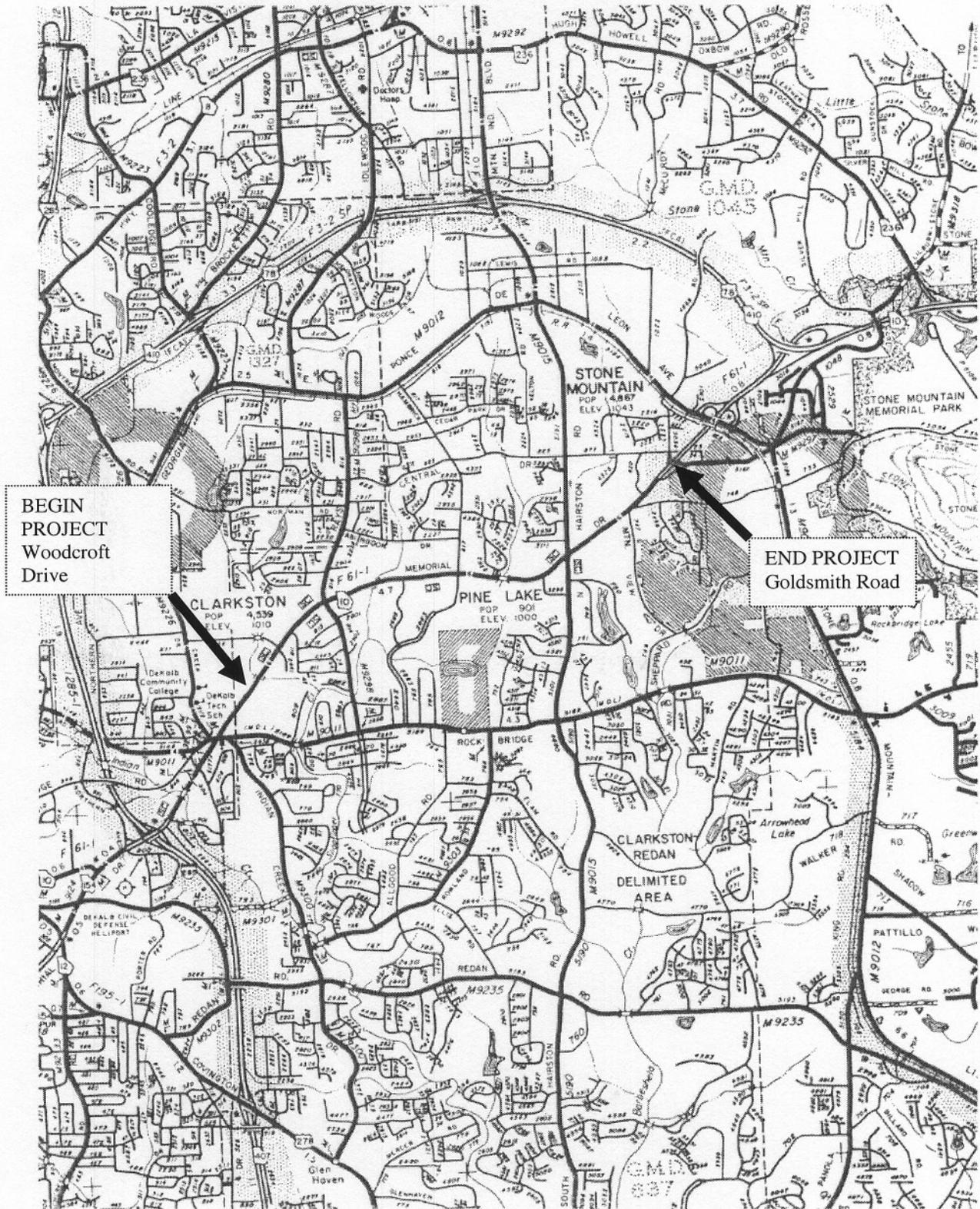
DATE 5/19/05

Bay Hood
District Engineer

DATE _____

Project Review Engineer

PROJECT MAP-Project No. : CSHPP-0007-00(131), DeKalb County
Phase III



Need and Purpose:

The purpose of this proposed project is to increase pedestrian safety and provide aesthetic streetscaping improvements along Memorial Drive (SR10). Memorial Drive is a multi-lane urban arterial running primarily east west in DeKalb County, Georgia. The proposed project consists of construction of sidewalks, landscaping, pedestrian lighting, benches or bus shelters, and other pedestrian amenities to improve safety for residents and area businesses. Minor traffic management improvements such as extending left turn and right turn lanes, adding right turn lanes, and installing raised concrete islands are also included to help reduce automobile idle time and thus have a positive effect on air quality.

There are currently well-worn paths along both sides of Memorial Drive in the majority of the project area, indicating heavy pedestrian traffic. The proposed sidewalks will provide residents with expeditious access to commercial activities in the area, as well as more direct, convenient access to the existing MARTA bus stops along Memorial Drive. Georgia Perimeter College, DeKalb College and extensive strip commercial developments are also located along the general project corridor. The addition of sidewalks and other improvements in this area will make pedestrian activity safer and provide a more attractive landscape. Increases in use of public transportation will have a positive effect on air quality.

The available 2000, 2001 and 2002 accident data for the sections of Memorial Drive contained within the limits of this specific project (Phase III; see "Description of the proposed project") are tabulated in the traffic section of this document. This table illustrates the accident and injury rate along Memorial Drive exceeds the statewide average for an urban arterial. There were eleven pedestrian-related crashes, including 1 fatality, during the three-year period. Six of the pedestrian-related accidents occurred at signalized intersections. The pedestrian fatality occurred mid-block, just east of Emerald Ridge.

Description of the proposed project:

The proposed project is located on Memorial Drive (SR10) in DeKalb County, Georgia. The project will include aesthetic streetscape improvements, sidewalks that meet current American with Disabilities Act requirements and minor traffic management improvements at key intersections. Traffic management improvements consist of adding right turn lanes, increasing queue lengths for existing left and right turn lanes, and adding raised concrete islands.

Streetscape improvements for the project include the design of several elements that will enhance the appearance of the corridor. These improvements include street tree planting, street furniture and bus stop seating, and ornamental pedestrian lighting. The addition of street trees planted approximately 40 feet on-center is planned at the back of the sidewalk section. Species selection will be dependent on the location of, or conflicts with, existing utilities. Existing bus stops will be complemented with a concrete pad for the placement of benches and trash receptacles. Existing bus stop shelters will also be relocated to the back of the sidewalk and complemented with additional seating and waiting space. Ornamental pedestrian lighting will be installed by Georgia Power Lighting Services, and will feature fixtures chosen for ease of maintenance and appearance. Pedestrian light fixtures will be placed approximately 60 feet on center.

The project begins at Woodcroft Drive, just north of Rockbridge Road, and extends approximately 3.41 miles to Goldsmith Road. The existing right-of-way ranges from 105 to 170 feet.

Queue lengths for existing left turn lanes on Memorial Drive will be increased eastbound and westbound at Memorial College Drive and eastbound at Stonemont Village. Queue lengths for existing right turn lanes on Memorial Drive will be increased westbound at Stonemont Village and eastbound at Lauren Parkway. New right turn lanes will be constructed on Memorial Drive westbound at Emerald Ridge, eastbound at Summit Ridge Drive, eastbound at West Mountain Street, eastbound at Memorial Drive, and westbound at Goldsmith Road. Existing eastbound right-hand-off slip lanes will be eliminated at West Mountain Street Memorial Drive, as will the yield right lane on Goldsmith Road to westbound Memorial Drive.

Is the project located in a Non-attainment area? X Yes _____ No
 The project will not add any through lanes or length to the location as shown in the plan model.

PDP Classification: Minor Project

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): 10

Traffic (AADT):

ROAD	CURRENT YEAR (2009)	DESIGN YEAR (2029)
Memorial Drive, Phase III	49,000	64,000

Accident Data:

Memorial Drive, Phase III						
YEAR	Accidents		Fatalities		Injuries	
	Number	Rate (Statewide)	Number	Rate (Statewide)	Number	Rate (Statewide)
2000	376	863 (660)	1	2.29 (1.44)	190	436 (258)
2001	308	715 (564)	1	2.32 (1.35)	201	467 (218)
2002	361	792 (568)	0	0 (1.22)	160	351 (218)

- Note: 1. All rates are per 100 million vehicle miles traveled.
 2. The numbers in parenthesis are statewide averages for Urban Minor Arterial.
 3. During a three-year period, there were a total of eleven pedestrian-related crashes with six occurring at signalized intersections.

Existing design features:

Memorial Drive (SR10) - Phase III

- Typical Section:
 - Six 11' lanes
 - 3'-4' concrete raised median
 - One/Two 11'-12' left turn lanes
 - 12' shoulders with curb and gutter
- Posted speed: 45 mph Maximum degree of curvature: 3° 53'
- Maximum grade: 6.0%
- Width of right of way: min 105 ft.
- Major structures: 1 Double Box Culvert @ Susan Creek, 1 Double Box Culvert at tributary to Snapfinger Creek, 1 Box Culvert at Snapfinger Creek, Concrete Retaining Walls
- Major intersections along the project: Rays Road, Hambrick Road, North Hairston Road, and Goldsmith Road
- Existing length of roadway segment and the beginning mile logs for each county segment: 3.41 miles County mile log SR 10 (8.24 to 11.65)

Proposed Design Features:

Memorial Drive (SR10) – Phase III

- Proposed typical section(s):
 - Six 11' lanes
 - 3'-4' concrete raised median
 - One/Two 11-12' left turn lanes
 - 16' shoulders with curb and gutter, including 2' stamped concrete strip, 6' sidewalk and 5.5' planting strip from Memorial College Avenue to Goldsmith Road. 20' shoulders with curb and gutter, including 2' stamped concrete strip, 10' sidewalk and 5.5' planting strip from Woodcroft Drive to Memorial College Avenue.
- Proposed Design Speed: 45 mph
- Proposed Maximum grade: 6.0% Maximum grade allowable: 7.0%
- Proposed Maximum grade driveway: 11%
- Proposed Minimum radius of curve: 1475 ft Minimum radius allowable: 730 ft
- Right of way
 - Width: 115 ft (Minimum)
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 47 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0

- Structures:
 - Retaining walls: There are numerous proposed retaining walls, to help minimize impacts, at the follow locations: 376+87± to 377+65± LT, 381+62± to 383+66± RT, 406+58± to 412+37± LT, 445+54± to 452+12± LT, 481+89± to 483+63± RT
- Major intersections: Rays Road, Hambrick Road, N. Hairston Road, and Goldsmith Road.
- Traffic control during construction: No road closure or detour expected. Traffic to be maintained on existing roadway 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 is 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 horizontal clearance.

- Design Variances: A design variance will be needed for the existing 11- foot lanes along the Memorial Drive. This recommendation is based on the Georgia Department of Transportation Interdepartmental Correspondence regarding design guidance dated January 7, 2003 from Frank L. Danchetz.
- Environmental concerns: Typical section modified at 371+00 to 374+80 LT and RT and 414+00 to 417+00 LT in order to avoid impacts to Snapfinger Creek drainage, 441+00 to 453+00 LT to avoid extensive impacts to parking, and 466+50 LT to avoid the Johnson Goldsmith Maddox cemetery.
- 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:

<ul style="list-style-type: none"> ○ Atlanta Gas Light Company ○ BellSouth Telecommunications ○ Comcast of Georgia, Inc. ○ Georgia Power Company 	<ul style="list-style-type: none"> ○ MCI ○ Georgia Power Transmission ○ DeKalb County Traffic Engineering ○ DeKalb County Public Works
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Project responsibilities:

- Design: DeKalb County – Jordan, Jones & Goulding, Inc
- Right of Way Acquisition: DeKalb County
- Relocation of Utilities: DeKalb County
- Letting to contract: Georgia DOT
- Supervision of construction: Georgia DOT
- Providing material pits: N/A
- Providing detours: N/A
- On-site construction staging: N/A

Coordination

- Concept Meeting date: March 23, 2005
- P. A. R. meetings, dates and results: None anticipated
- FEMA, USCG, and/or TVA: None anticipated
- 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 @ I-285
 - HPP-00MS(376) P.I. No. 753200 – SR10/ Memorial Drive Phase IA
 - CSHPP-0007-00(129) P.I. No. 0007129, SR10/ Memorial Drive Phase IB
 - CSHPP-0007-00(130) P.I. No. 0007130, SR10/ Memorial Drive Phase II
 - STP-0002-22(405) P.I. No. 0002405, SR10/Memorial Drive
 - STP-0002-00(411) P.I. No. 0002411, SR154/Memorial Drive
- Railroads: None
- MARTA: BRT along Memorial Drive
- Other coordination to date: None
- Future Passenger Rail Corridor: Yes _____ No X

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 6-8 Months
- Time to complete preliminary construction plans: 6-8 Months
- Time to complete right of way plans: 5 Months
- Time to complete the Section 404 Permit: N/A Months
- Time to complete final construction plans: 7-8 Months
- Time to complete to purchase right of way: 12-14 Months

Other alternates considered:

- **No Build-** This alternate does not meet the need and purpose of this project. Under the Build Scenario, Memorial Drive will operate with a better Level of Service than without the recommended improvements and modifications.

Notes:

- Commercial driveways will be consolidated along the Memorial Drive corridor wherever practical under the project concept.
- Aesthetic features are being coordinated for continuity with streetscaping in adjacent projects Phases IA, IB, and II.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C - \$ 6,955,000
 - b. Right of Way (funded by DeKalb County) – \$1,308,000
 - c. Utilities (funded by DeKalb County) -
 - i. Reimbursable utilities - to be determined
 - ii. Non-reimbursable utilities - to be determined
2. Typical sections
3. Location and Design Approval
4. Concept Team Meeting Minutes

Estimate Report for file "Memorial Drive Ph III"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	50000.00	TRAFFIC CONTROL -	50000.0
153-1300	1.00	EA	50439.07	FIELD ENGINEERS OFFICE TP 3	50439.07
201-1500	1.00	LS	150000.00	CLEARING & GRUBBING -	150000.0
208-0100	15000.00	CY	5.92	IN PLACE EMBANKMENT	88800.0
310-5040	24000.00	SY	5.08	GR AGGR BASE CRS, 4 INCH, INCL MATL	121920.0
310-5120	3700.00	SY	13.84	GR AGGR BASE CRS, 12 INCH, INCL MATL	51208.0
402-3112	400.00	TN	45.62	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	18248.0
402-3113	17000.00	TN	45.01	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	765170.0
402-3121	1200.00	TN	36.40	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	43680.0
413-1000	7500.00	GL	0.95	BITUM TACK COAT	7125.0
432-0204	25000.00	SY	1.19	MILL ASPH CONC PVMT, 1 IN DEPTH	29750.0
441-0018	3700.00	SY	34.01	DRIVEWAY CONCRETE, 8 IN TK	125836.99
441-0104	24000.00	SY	22.49	CONC SIDEWALK, 4 IN	539760.0
441-0754	850.00	SY	37.90	CONCRETE MEDIAN, 7 1/2 IN	32215.0
441-4030	4300.00	SY	33.75	CONC VALLEY GUTTER, 8 IN	145125.0
441-6012	4300.00	LF	14.66	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	63038.0
441-6720	3000.00	LF	10.75	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	32250.0
441-7011	8.00	EA	640.61	CURB CUT WHEELCHAIR RAMP, TYPE A	5124.88
634-1200	77.00	EA	84.62	RIGHT OF WAY MARKERS	6515.74
641-1100	100.00	LF	28.43	GUARDRAIL, TP T	2843.0
641-1200	300.00	LF	11.48	GUARDRAIL, TP W	3444.0
641-5001	2.00	EA	433.02	GUARDRAIL ANCHORAGE, TP 1	866.04
641-5012	4.00	EA	1426.54	GUARDRAIL ANCHORAGE, TP 12	5706.16
Section Sub Total:					\$2,339,064.89

Section MAJOR STRUCTURES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3201	500.00	CY	307.24	CLASS B CONCRETE, RETAINING WALL	153620.0
515-2015	300.00	LF	29.00	GALV STEEL PIPE HANDRAIL -	8700.0
621-6202	510.00	LF	212.00	CONCRETE SIDE BARRIER, TP 2-SB	108120.0
Section Sub Total:					\$270,440.00

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1240	500.00	LF	32.52	STORM DRAIN PIPE, 24 IN, H 1-10	16260.00
610-5705	5.00	EA	227.86	REM CATCH BASIN	1139.30
611-8000	107.00	EA	1466.12	ADJUST CATCH BASIN TO GRADE	156874.84
611-8040	10.00	EA	638.46	ADJUST DROP INLET TO GRADE	6384.6
611-8050	35.00	EA	610.26	ADJUST MANHOLE TO GRADE	21359.1
668-1100	5.00	EA	1727.53	CATCH BASIN, GP 1	8637.65
668-2100	5.00	EA	2044.86	DROP INLET, GP 1	10224.3
668-3300	5.00	EA	2642.83	SAN SEWER MANHOLE, TP 1	13214.15
Section Sub Total:					\$234,093.94

Section EROSION					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	5.00	AC	458.81	TEMPORARY GRASSING	2294.05
163-0240	5.00	TN	190.99	MULCH	954.95
163-0530	37000.00	LF	2.28	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	84360.0
163-0550	50.00	EA	174.84	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	8742.0
165-0070	18500.00	LF	1.25	MAINTENANCE OF BALED STRAW EROSION CHECK	23125.0
165-0105	50.00	EA	76.29	MAINTENANCE OF INLET SEDIMENT TRAP	3814.50
167-0100	18.00	MO	955.65	WATER QUALITY MONITORING	17201.7
167-1000	2.00	EA	2310.72	WATER QUALITY MONITORING AND SAMPLING	4621.44
700-6910	7.00	AC	754.30	PERMANENT GRASSING	5280.09
702-9020	34000.00	SY	2.47	MULCH	83980.0
Section Sub Total:					\$234,373.74

Section SIGNING & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

Item Number	Quantity	Units	Unit Price	Item Description	Cost
653-0110	110.00	EA	50.92	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	5601.2
653-0120	118.00	EA	56.38	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	6652.84
653-0130	5.00	EA	71.83	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	359.15
653-0150	1.00	EA	94.38	THERMOPLASTIC PVMT MARKING, ARROW, TP 5	94.38
653-0160	78.00	EA	97.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 6	7566.0
653-0170	5.00	EA	78.20	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	391.0
653-0210	47.00	EA	88.07	THERMOPLASTIC PVMT MARKING, WORD, TP 1	4139.29
653-1704	3400.00	LF	3.18	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	10812.0
653-1804	39000.00	LF	1.47	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	57330.0
653-2501	5.00	LM	924.47	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	4622.35
653-3501	5400.00	GLF	0.14	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	756.00
653-4501	14.00	GLM	550.44	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	7706.16
653-6004	100.00	SY	2.39	THERMOPLASTIC TRAF STRIPING, WHITE	239.0
654-1003	1000.00	EA	3.19	RAISED PVMT MARKERS TP 3	3190.0
Section Sub Total:					\$109,459.37

Section MISCELLANEOUS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
009-3500	1.00	Lump Sum	450000.00	LANDSCAPING	450000.0
441-9999	16000.00	SY	52.00	STAMPED CONCRETE	832000.0
647-1000	1.00	LS	305000.00	TRAFFIC SIGNAL INSTALLATION NO -	305000.0
682-9030	1.00	LS	900000.00	LIGHTING SYSTEM	900000.0
999-4000	1.00	Lump Sum	60000.00	SITE FURNITURE	60000.0
Section Sub Total:					\$2,547,000.00

Total Estimated Cost: \$5,734,431.94

Subtotal Construction Cost	\$5,734,431.94
E&C Rate 10.0 %	\$573,443.19
Inflation Rate 5.0 % @ 2.0 Years	\$646,557.20
Total Construction Cost	\$6,954,432.34
Right Of Way	\$590,000.00
ReImb. Utilities	\$679,000.00
Grand Total Project Cost	\$8,223,432.34

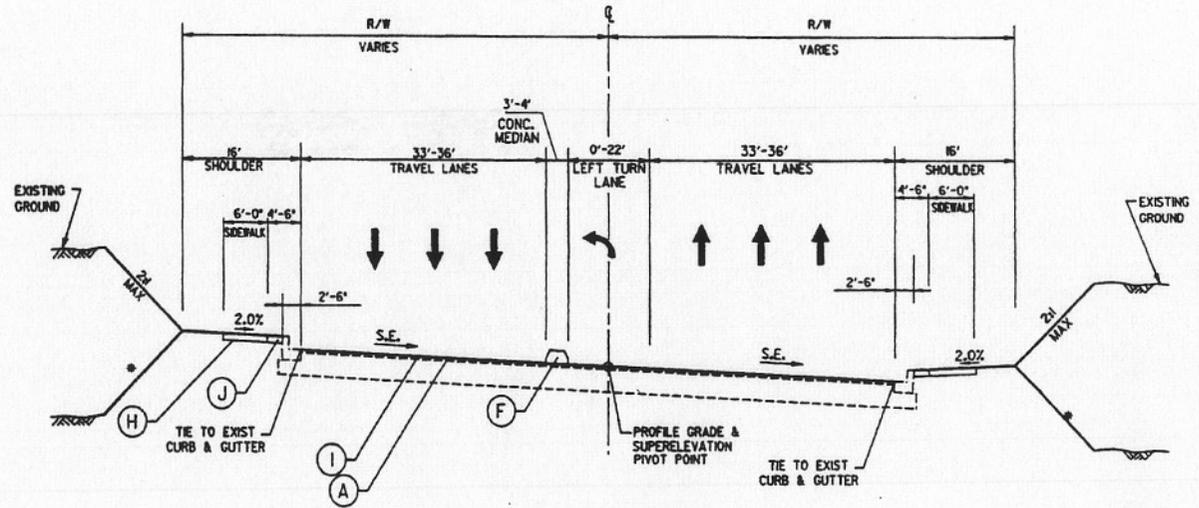
PAVEMENT DESIGN

- (A) 165 LBS/YD2 ASPHALTIC CONCRETE,
12.5 mm SMA
MIX DESIGN LEVEL D
- (B) 220 LBS/YD2 ASPHALTIC CONCRETE,
19 mm SUPERPAVE
MIX DESIGN LEVEL D
- (C) 660 LBS/YD2 ASPHALTIC CONCRETE BASE
25 mm SUPERPAVE
MIX DESIGN LEVEL D
- (D) 12" GRADED AGGREGATE BASE
- (E) GA DOT STD 9032-B,
8" X 30" TYPE 2
CONCRETE CURB & GUTTER
- (F) INTEGRAL CONCRETE MEDIAN
TYPE 7 FACE, GA DOT STD 9032-B
- (G) GEORGIA CONSTRUCTION DETAIL
(REPLACES GA STD 9031-W)
4" CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS
- (H) 4" CONCRETE SIDEWALK
4" GRADED AGGREGATE BASE
SEE CONCRETE SIDEWALK DETAILS
& CURB CUT (WHEELCHAIR) RAMPS DETAILS
- (I) MILLING AND ASPHALTIC CONCRETE LEVELING,
AS REQUIRED
- (J) 4" STAMPED CONCRETE PAVEMENT STRIP
- (K) PAVEMENT REINFORCEMENT FABRIC,
SEE DETAIL FOR PLACEMENT

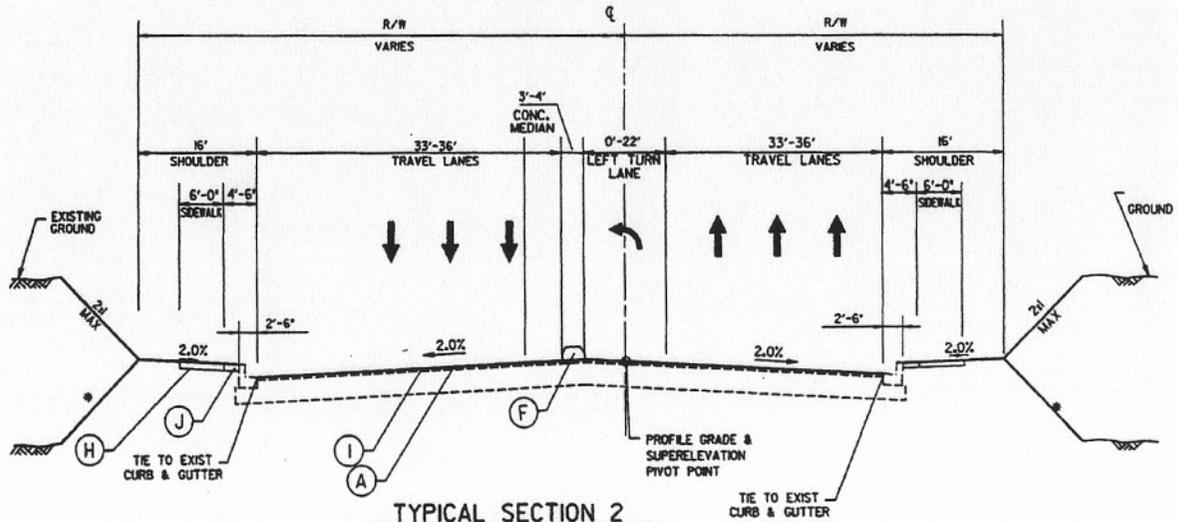
TYPICAL SECTIONS SHOWING SUPERELEVATION AND TURN LANES
ALSO APPLY WHEN PAVEMENT SLOPES IN OPPOSITE DIRECTION -
SEE CONSTRUCTION PLAN SHEETS FOR LOCATIONS AND DIRECTION
OF SUPERELEVATION AND LOCATIONS AND DIMENSIONS OF TURN
LANES.

• SEE SLOPE SELECTION CHART ON SHEET 4.0.

SLOPE SELECTION		
SLOPE	CUT	FILL
6d	0 - 2 ft	0 - 2 ft
4d	2 - 6 ft	2 - 6 ft
3d	6 - 10 ft	6 - 10 ft
2d	10 ft +	10 ft +



TYPICAL SECTION I
SUPERELEVATION
MEMORIAL DRIVE
N.T.S.



TYPICAL SECTION 2
TANGENT
MEMORIAL DRIVE
N.T.S.

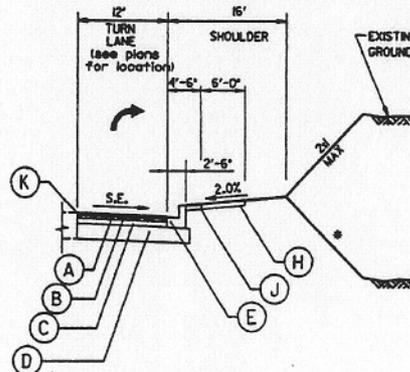
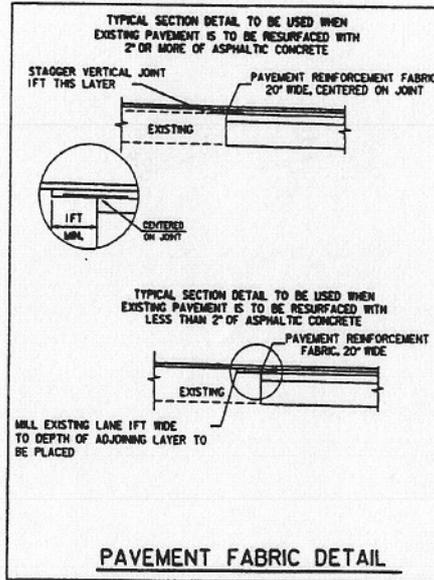
PAVEMENT DESIGN

- (A) 165 LBS/YD² ASPHALTIC CONCRETE, 12.5 mm SMA MIX DESIGN LEVEL D
- (B) 220 LBS/YD² ASPHALTIC CONCRETE, 19 mm SUPERPAVE MIX DESIGN LEVEL D
- (C) 660 LBS/YD² ASPHALTIC CONCRETE BASE 25 mm SUPERPAVE MIX DESIGN LEVEL D
- (D) 12" GRADED AGGREGATE BASE
- (E) GA DOT STD 9032-B, 8' X 30" TYPE 2 CONCRETE CURB & GUTTER
- (F) INTEGRAL CONCRETE MEDIAN TYPE 7 FACE, GA DOT STD 9032-B
- (G) GEORGIA CONSTRUCTION DETAIL (REPLACES GA STD 9031-W) 4" CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS
- (H) 4" CONCRETE SIDEWALK 4" GRADED AGGREGATE BASE SEE CONCRETE SIDEWALK DETAILS & CURB CUT (WHEELCHAIR) RAMPS DETAILS
- (I) MILLING AND ASPHALTIC CONCRETE LEVELING, AS REQUIRED
- (J) 4" STAMPED CONCRETE PAVEMENT STRIP
- (K) PAVEMENT REINFORCEMENT FABRIC, SEE DETAIL FOR PLACEMENT

TYPICAL SECTIONS SHOWING SUPERELEVATION AND TURN LANES ALSO APPLY WHEN PAVEMENT SLOPES IN OPPOSITE DIRECTION - SEE CONSTRUCTION PLAN SHEETS FOR LOCATIONS AND DIRECTION OF SUPERELEVATION AND LOCATIONS AND DIMENSIONS OF TURN LANES.

* SEE SLOPE SELECTION CHART ON SHEET 4.0L

SLOPE SELECTION		
SLOPE	CUT	FILL
6d	0 - 2 ft	0 - 2 ft
4d	2 - 6 ft	2 - 6 ft
3d	6 - 10 ft	6 - 10 ft
2d	10 ft +	10 ft +



TYPICAL SECTION 5
TURN LANE
MEMORIAL DRIVE
N.T.S.

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
1.50% - MINIMUM	1.56% - MINIMUM
2.00% - DESIRABLE	2.00% - DESIRABLE
2.50% - MAXIMUM	3.00% - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

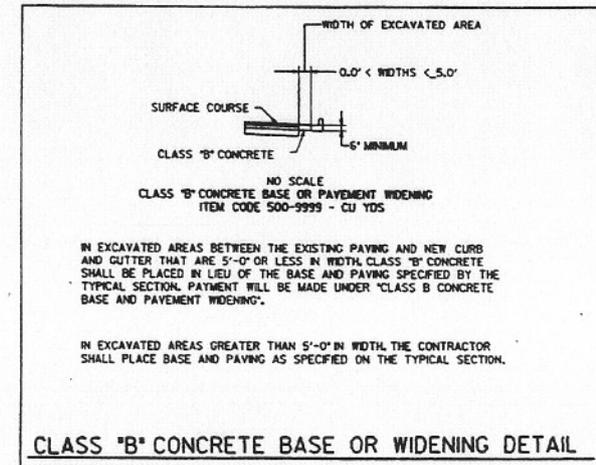
	RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



NOTICE OF LOCATION AND DESIGN APPROVAL

**CSHPP-0007-00(131), DeKalb County
P. I. No. 0007131
Memorial Drive Streetscaping Phase III**

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 is located along Memorial Drive/(SR 10) in northern, unincorporated DeKalb County, Georgia, Land Lot 43, 68, 69, 70, 71, 72, 90, and 91. This project connects to both the northern project limits of SR10 Memorial Drive Streetscaping Phase IB [HPP-00MS(376)].

Date of Location Design Approval: JUNE 24, 2005

Proposed improvements will consist of streetscaping improvements such as sidewalks, landscape design, lighting, benches, and other pedestrian amenities to improve safety for residents and area businesses; and minor traffic management improvements such as lengthening left turn lanes, adding right turn lanes at select locations, and construction of raised stamped concrete medians.

Drawings or maps or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation (5025 New Peachtree Road, Chamblee, Georgia 30341). Or, any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capitol Square, Atlanta, Georgia 30334 and paying a nominal cost therefore.

Any written request to this notice SHOULD include the PROJECT AND PI NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referred to:

**Thomas Parker, Area Engineer
Georgia Department of Transportation
805 George Luther Drive
Decatur, Georgia 30032
E-mail: 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, P.E.
District Preconstruction Engineer
District Seven
Georgia Department of Transportation
5025 New Peachtree Road
Chamblee, Georgia 30341
E-mail: 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.

Concept Team Meeting Summary

Memorial Drive Streetscape Phase III (SR10)
CSHPP-0007-00(131)
P.I. No. 0007131
DeKalb County

Project Limits: Woodcroft Road to Goldsmith Road

Date: March 23, 2005, 10:00 A.M.

Location: District Seven Preconstruction Conference Room, Archives Building
Atlanta, Georgia

The Concept Team Meeting was held to elicit comments from interested parties on the proposed improvements to Memorial Drive (SR10) related to the Memorial Drive Streetscaping Phase III. The meeting was held at the GDOT District 7 offices in the Archives Building in Atlanta.

Introductions and Project Overview

1. Mr. Chris Woods of GDOT chaired the meeting and asked the attendees to identify themselves and whom they represent. Mr. Woods asked JJG to take minutes of the meeting. The attendees are listed at the end of this meeting summary.
2. Mr. Ken Anderson of JJG identified the project limits and general existing design features including range of existing right-of-way widths, opening year and design year traffic projections, and proposed improvements including sidewalks, turn lane adjustments, and aesthetic streetscape improvements. Also identified were related and adjacent projects, the accident history, the concept cost estimate and funding limitations, and the philosophy used in development of the concept in order to reduce the overall construction cost. The need and purpose statement was briefly introduced.
3. Mr. Anderson then overviewed specifics of the project by going over the concept layout drawings developed by JJG. Features noted were 10-ft sidewalks from project beginning to Memorial College Drive, then 6-ft sidewalks easterly to project end. The sidewalk was further reduced at specific locations to avoid lengthening existing box culverts and to avoid impacting parking at the Hairston Village shopping center. Locations of existing retaining walls and of proposed retaining walls, new right-turn lanes and extension of existing right-turn lanes, extension of existing left turn lanes, and elimination of slip ramps were identified.

Comments, Questions and/or Issues

4. Mr. Chris Woods asked then asked attendees for comments, questions and/or issues. The following items were further discussed.
5. The proposed sidewalk along the north side at Hairston Village was identified as less than 5-ft wide. Mr. Harry Graham and Mr. Mike Lobdell requested that a minimum 5-ft

sidewalk be provided. Options include reducing the existing 12-ft turn lane to 11-ft, or shifting the location of the existing/proposed retaining wall to achieve additional width by decreasing the adjacent head-in parking spaces length. General consensus favored reducing the right-turn lane width.

6. Ms. Sharon Witherspoon recommended moving utility poles outside the clear zone. There also was discussion on funding considerations. Mr. Dale Petticord of Georgia Power agreed to research prior rights and provide a ball-park estimate of moving the power lines and poles within four months of this meeting date. It was noted that there may be locations of available existing right-of-way for the relocations. Georgia Power requested the consideration of DeKalb County in getting permanent easements to include the power lines relocations, so that property owners would not be requested for separate easements for sidewalk improvements and utilities relocation.
7. Mr. Brian Leavell of Atlanta Gas Light indicated that locations of retaining walls would be the most likely to result in conflicts, but also indicated that this project appeared to have minimal impact to AGL utilities, and less impact than Memorial Drive Streetscaping Phase II.
8. Mr. John Little of DeKalb County Water & Sewer questioned whether the water valves and meter boxes would be adjusted to grade if they fell within the limits of the sidewalk, or if they would be relocated to the back of the sidewalk and/or near the right-of-way limits. Mr. Little indicated that the County legal staff has previously advised that the County cannot install meter boxes on private property. Mr. Chris Woods indicated the most efficient way of making the adjustments would be to have the roadway contractor do the work, and for the County to reimburse GDOT for the cost. There was discussion about meter box style/type, and GDOT indicated it would research possible changes. Mr. Little suggested that either GDOT or DeKalb Public Works request DeKalb W&S to investigate better options to the existing meter box style/type.
9. Ms. Zanda Montgomery asked how the project would impact the Johnson Goldsmith Mattox cemetery. Mr. Anderson indicated that the cemetery was located above grade behind an existing concrete retaining wall, and that the proposed sidewalk would abut to the face of the retaining wall.
10. Mr. Marshall Troup requested that DeKalb County prepare an updated/revised Project Management Agreement with new project numbers; multiple projects can be listed in the PMA.

Review of the draft Concept Report

11. Following are comments, questions, and/or direction pertaining to the Concept Report:

- Cover – use more specific inset map
- Project Map – lighten up the background of the Project Map
- Text throughout – convert italicized text to normal font

- Page 3 – Need and Purpose: Revise the Need and Purpose to provide emphasis that this is a streetscaping enhancement project with limited operational-related improvements. Use substitute language for “operational efficiency”. Identify the location of the pedestrian fatality.
- Page 4 – Description of the Proposed Project: clarify that the pedestrian fixtures are pedestrian light fixtures (Mr. Graham noted that there will be a large number of pedestrian light fixtures on the project). Indicate the intersections where left turn lanes are being extended, where right turn lanes are being extended, and where right turn lanes are being added.
- Page 7 – Utility involvements: Delete City of Atlanta/City of Atlanta Public Works. Add MCI, Georgia Power Transmission, DeKalb County Traffic Engineering, and DeKalb County Public Works.
- Page 8 – Coordination: add MARTA to the list of coordination regarding Bus Rapid Transit. Add the other sidewalk projects to the list of other projects in the area. Mr. Troup will provide the project numbers and PI numbers for those projects.
- Page 8 – Scheduling: Revise timeframes to the following – environmental process 6-8 months; purchase right-of-way – 12-14 months.
- Page 8 – Notes: Add statement that the design of Phase III is being coordinated with Phases IA, IB, and II regarding aesthetic treatments and features.
- Attachments: Remove the traffic volume diagrams and the Level of Service Summaries.
- Attachment: Notice of Location and Design Approval – identify Mike Lobdell as District Preconstruction Engineer.

12. If you have any correction or comments, please fax or email them to Ken Anderson, JJG, at fax 678-333-0324 or email kanderson@jjg.com .

Name **Representing** **Phone Number**

Mike Lobdell	GDOT	404-463-4947	mike.lobdell@dot.state.ga.us
Chris Woods	GDOT	404-463-4947	chris.woods@dot.state.ga.us
Sam Woods	GDOT	404-463-4947	sam.woods@dot.state.ga.us
Sharon Witherspoon	GDOT Utilities	404-463-4953	sharon.witherspoon@dot.state.ga.us
Harry Graham	GDOT Traf Ops	404-463-4961	harry.graham@dot.state.ga.us
Steve Walker	GDOT	404-656-5427	steven.walker@dot.state.ga.us
Scott Lee	GDOT	404-463-4947	scott.lee@dot.state.ga.us
Marshall Troup	GDOT	404-463-4947	marshall.troup@dot.state.ga.us
Zanda Montgomery	GDOT Environ	404-463-4947	zanda.montgomery@dot.state.ga.us
Eric Shultz	GDOT Maint.		eric.shultz@dot.state.ga.us
David Pelton	DeKalb Co	770-492-5223	dwpelton@co.dekalb.ga.us
John Little	DeKalb Co W&S	770-621-7256	jhlittle@co.dekalb.ga.us
Nikki Reutlinger	PBS&J	770-933-0280	ngreutlinger@pbsj.com
Donna Via	Georgia Power	770-426-6182	dtvia@southernco.com
Dale Petticord	Georgia Power	404-506-4425	dapettic@southernco.com
Brian Leavell	AGL Resources	404-584-4702	bleavell@aglresources.com
Ken Anderson	JJG	678-333-0642	kanderson@jjg.com
Beth Ferland	JJG	706-353-2868	bferland@jjg.com
Harris Robinson	JJG	678-333-0431	hrobinson@jjg.com

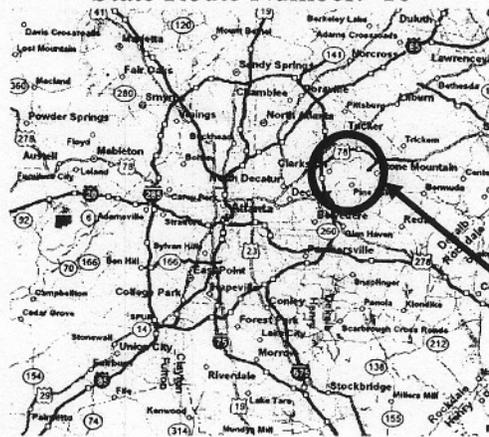
Distribution: Attendees

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

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

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



PROJECT
LOCATION

Recommendation for approval:

DATE 5/19/05

Neil Miller
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 5/23/05

Joseph P. McLeod
State Transportation Planning Administrator

DATE _____

State Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 5/19/05

Ben Hood
District Engineer

DATE _____

Project Review Engineer

Concept Report - May 17, 2005

Design Exception warranted for ped lights - no details shown for breakaway features

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

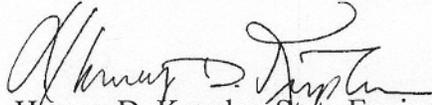
INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007131

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(131) / DeKalb County
S.R. 10 / Memorial Drive
Woodcroft Rd. to Goldsmith Rd.**



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

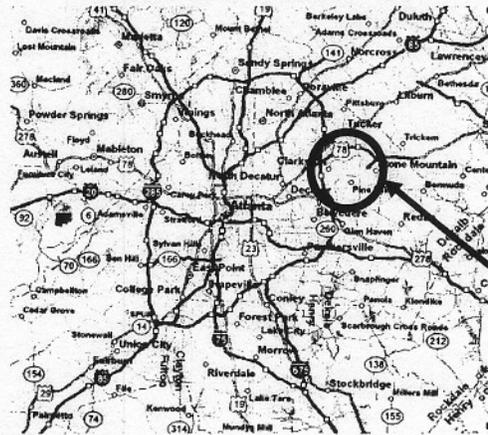
cc: Brian Summers
Bryant Poole
Keith Golden
Joe Palladi
Jamie Simpson

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

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

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



PROJECT
LOCATION

Recommendation for approval:

DATE 5/19/05

Neil Miller
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 5.31.05

Thomas D. Taylor
State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 5/19/05

Bay Hood
District Engineer

DATE _____

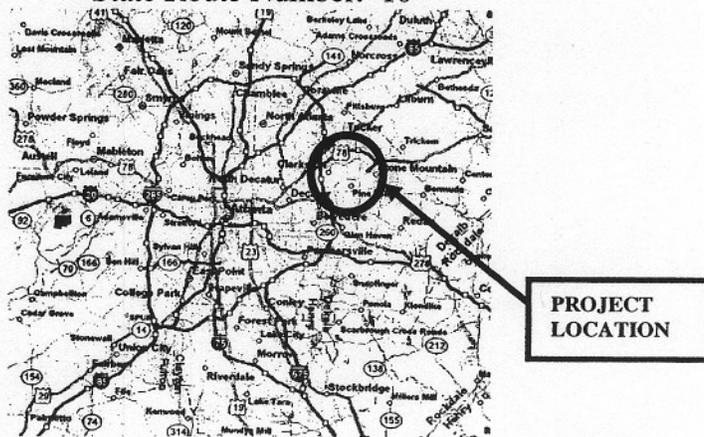
Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Memorial Drive Streetscape, Phase III
Project Number: CSHPP-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 Miller
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 6-2-05

James Turner
State Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 5/19/05

Bay Pool
District Engineer

DATE _____

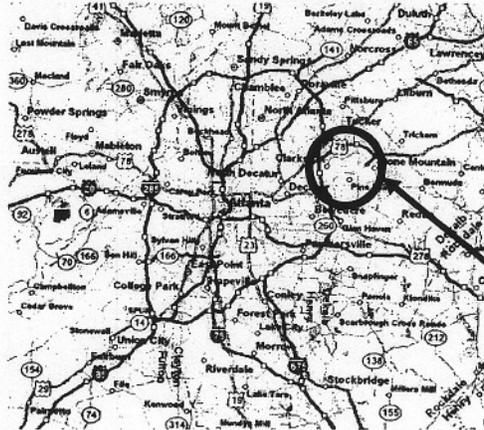
Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

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

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



PROJECT
LOCATION

Recommendation for approval:

DATE 5/19/05

Neil J. Miller
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 _____

State Traffic Safety and Design Engineer

DATE 5/19/05

Ben Hood
District Engineer

DATE 6/13/05

Bruce A. Summers *RC*
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

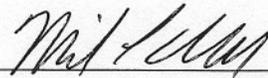
City Street Number: N/A

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

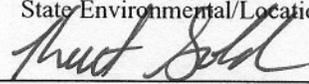
DATE _____

Office of Financial Management Administrator

DATE _____

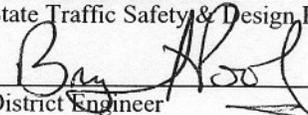
State Environmental/Location Engineer

DATE 5-25-05



State Traffic Safety & Design Engineer

DATE 5/19/05



District Engineer

DATE _____

Project Review Engineer