

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0006395, DeKalb County **OFFICE** Preconstruction  
CSNHS-0006-00(395)  
I-285 Ramp Meters from I-85 to I-20 **DATE** March 6, 2006

**FROM** *to - Cybil Kunkle*  
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 Keeper  
Ken Thompson  
Jamie Simpson  
Michael Henry  
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Joe Palladi (file copy)  
Paul Liles  
Babs Abubakari  
Bryant Poole  
BOARD MEMBER  
FHWA

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 0006395, DeKalb County **OFFICE** Preconstruction  
CSNHS-0006-00(395)  
I-285 Ramp Meters From I-85 to I-20 **DATE** February 17, 2006

**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 will install ramp meters which will include the installation of I-VDS cameras and CCTV cameras at all entrance ramp locations along I-285 from I-85 to I-20 except as noted below. The ramp meters will control the release of vehicles onto the corridor during peak hours, thereby reducing congestion and stabilizing the flow of traffic that typically occurs at heavy volume merge locations. The operation of ramp meters will create a smoother flow of traffic and reduce the potential for traffic crashes during peak hours.

Ramp meters will be installed at the Chamblee-Tucker Road, Northlake Parkway (northbound only), LaVista Road (SR 236), E. Ponce De Leon Avenue (northbound only), Church Street (southbound only), Covington Highway (SR 12/US 278), and Glenwood Road (SR 260) interchanges on the northbound and southbound entrance ramps unless noted otherwise. Each ramp meter will require an I-VDS camera for providing detection of the mainline travel lanes, inductive loops for providing detection of the ramp travel lane(s), as well as CCTV coverage along the length of the ramp. Ramp meters will not be installed for any of the freeway-to-freeway entrance ramps at freeway-to-freeway interchanges: I-85, Stone Mountain Freeway (SR 410), and I-20, nor will a ramp meter be installed at the Indian Creek MARTA station southbound entrance ramp.

There are interchange projects at Lawrenceville Highway and Memorial Drive which are programmed for construction in FY 2006 (refer to Attachment #2). At the direction of the Office of Traffic Safety and Design (OTS&D), ramp meters will not be installed at these interchanges.

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. 0006395, DeKalb

February 17, 2006

The estimated costs for this project are:

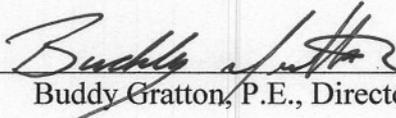
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$1,092,000	\$1,000,000	GRVS	2006
Right-of-Way & Utilities*	-0-	-0-		

I recommend this project concept be approved.

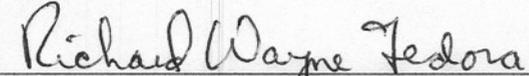
MBP:JDQ/cj

Attachment

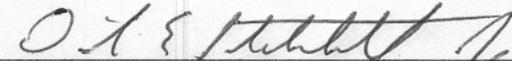
CONCUR

  
Buddy Gratton, P.E., Director of Preconstruction

APPROVE

  
for Robert M. Callan, Administrator, FHWA

APPROVE

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

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

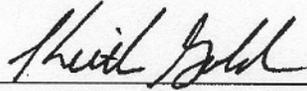
CSNHS-0006-00(395)  
DEKALB COUNTY  
P.I. NO. 0006395

FEDERAL ROUTE NO: NH-2851, I-285  
STATE ROUTE NO: 407

*I-285 Northeast Ramp Meters from I-85 to I-20*

Recommendation for approval:

DATE 8-30-05



State Traffic Safety & Design Administrator

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

DATE \_\_\_\_\_

State Traffic Operations Engineer

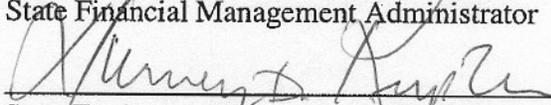
DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE 9/20/05



State Environmental / Location Engineer

DATE \_\_\_\_\_

District Engineer

DATE \_\_\_\_\_

Project Review Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

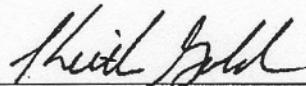
CSNHS-0006-00(395)  
DEKALB COUNTY  
P.I. NO. 0006395

FEDERAL ROUTE NO: NH-2851, I-285  
STATE ROUTE NO: 407

*I-285 Northeast Ramp Meters from I-85 to I-20*

Recommendation for approval:

DATE 8-30-05



State Traffic Safety & Design Administrator

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

DATE \_\_\_\_\_

State Traffic Operations Engineer

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental / Location Engineer

DATE \_\_\_\_\_

District Engineer

DATE 9/15/05



Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

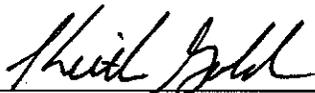
**CSNHS-0006-00(395)  
DEKALB COUNTY  
P.I. NO. 0006395**

**FEDERAL ROUTE NO: NH-2851, I-285  
STATE ROUTE NO: 407**

*I-285 Northeast Ramp Meters from I-85 to I-20*

**Recommendation for approval:**

DATE 8-30-05



State Traffic Safety & Design Administrator

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

DATE \_\_\_\_\_

State Traffic Operations Engineer

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental / Location Engineer

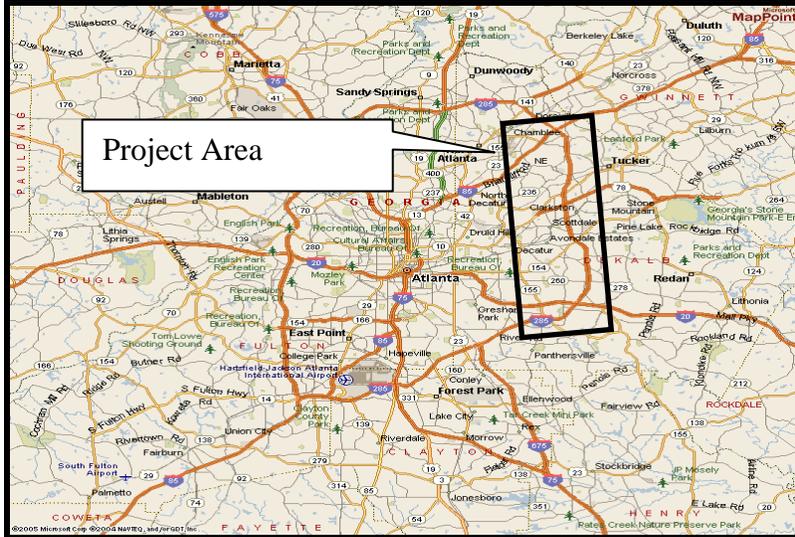
DATE \_\_\_\_\_

District Engineer

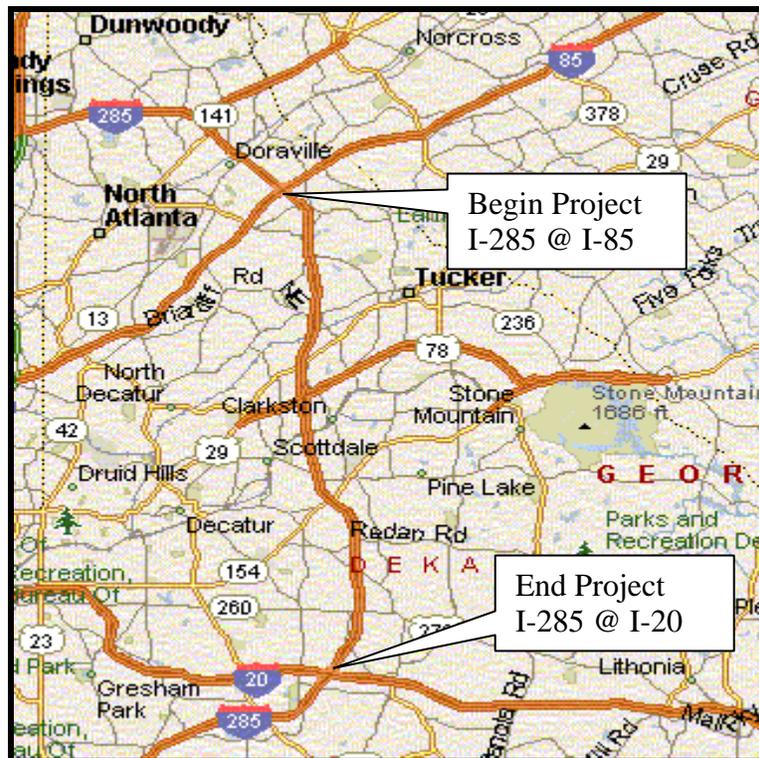
DATE \_\_\_\_\_

Project Review Engineer

# PROJECT LOCATION MAPS



Location of Project in DeKalb County



### **Need and Purpose:**

The purpose of this project is to increase the efficiency and safety of the corridor by installing ramp meters along I-285 from the I-85 interchange in DeKalb County to the I-20 interchange in DeKalb County. The ramp meters will control the release of vehicles onto I-285 during peak hours thereby reducing congestion and stabilizing the flow of traffic that typically occurs at heavy volume merge locations. The operation of the ramp meters will create a smoother flow of traffic and reduce the potential for traffic crashes during peak hours.

The Georgia DOT's NaviGator – Intelligent Transportation System has been in operation since April 1996. Initially providing coverage on Interstates 75 and 85, primarily within the I-285 Perimeter Highway, it is currently being extended along SR 166 in Fulton County and SR 141 in DeKalb and Gwinnett counties, with further projects on I-20, I-75, I-85, I-285, I-575, I-675, I-985, SR 316, SR 400, and SR 410 planned as part of the Fast Forward Program. The system consists of Closed Circuit Television (CCTV) cameras, Video Detection System (VDS) cameras, Changeable Message Signs (CMS), and ramp meter traffic signals that use either Intersection Vehicle Detection System (I-VDS) cameras or inductive loops for detector input. By use of a fiber optic communications backbone, all the devices are tied to the Transportation Management Center (TMC) and various TCCs in the Metro Atlanta area. Operators located at the TMC are able to detect incidents and dispatch, with minimal delay, appropriate response teams. The NaviGator program benefits the trucking industry and motorists by reducing incident response/clearance times, and providing better information with consequential safety improvements.

On April 14, 2004 Governor Sonny Perdue introduced the Fast Forward Congestion Relief Program which includes accelerated growth of the NaviGator system throughout the Metro Atlanta region. The Fast Forward Program provides \$211 million to expand the NaviGator and Highway Emergency Response Operator (HERO) coverage with a goal of reducing peak hour delays by 30%. This project covers I-285 from I-85 to I-20 (Northeast). This project includes new field device connections to Hubs C, S and I in DeKalb County.

### **Description of the proposed project:**

#### **Coverage**

This project will include ramp meters which will include the installation of I-VDS cameras and CCTV cameras at all entrance ramp locations along I-285 from I-85 to I-20 except as noted below. The CCTV cameras will allow for improved monitoring of the interchanges and operation of the ramp meters at the Transportation Management Center (TMC). This project will use the existing fiber optic trunk line along I-285 and I-20 to tie in with Hubs C, S, and I.

#### **Communications Plan**

This project will use the new digital communications architecture. Spare fibers in the cabinet will be provided to the extent that existing unused fibers will allow. The video data and control communications from the CCTV cameras will be sent via Gigabit Ethernet network, as opposed to the older analog method involving switches and multiplexers. Communications to the signal controller will be via the Gigabit Ethernet network. All network electronics required to operate and communicate with the devices in this project are included as well.

Conduit/fiber optic cable was not installed as part of the previous I-285 Northeast ATMS project along I-285 from the approximate location of the GDOT Area Engineer's Office on George Luther Drive which is located approximately ½ mile south of Memorial Drive to North Decatur Road located approximately ¾ mile north of Memorial Drive because of a future interchange project at Memorial Drive which included the relocation of George Luther Drive (refer to Attachment #2). Since the interchange project is programmed for construction in

Fiscal Year (FY) 2006, as an interim solution to create interim Ethernet rings back to Hubs I and S, this ATMS project will install conduit/fiber optic cable systems in directional bores at the ends of the current system both north and south of Memorial Drive.

**Ramp Meters**

Ramp meters will be installed at the Chamblee-Tucker Road, Northlake Parkway (northbound only), Lavista Road (SR 236), E. Ponce DeLeon Avenue (northbound only), Church Street (southbound only), Covington Highway (SR 12/ US 278), and Glenwood Road (SR 260) interchanges on the northbound and southbound entrance ramps unless noted otherwise. Each ramp meter will require an I-VDS camera for providing detection of the mainline travel lanes, inductive loops for providing detection of the ramp travel lane(s), as well as CCTV coverage along the length of the ramp. Ramp meters will not be installed for any of the freeway-to-freeway entrance ramps at freeway-to-freeway interchanges: I-85, Stone Mountain Freeway (SR 410), and I-20. Nor will a ramp meter be installed at the Indian Creek MARTA Station southbound entrance ramp.

In addition to the previously described Memorial Drive interchange project, there is an interchange project at Lawrenceville Highway which is also programmed for construction in FY 2006 (refer to Attachment #2). At the direction of the Office of Traffic Safety & Design (OTS&D), ramp meters will not installed at these interchanges.

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

**PDP Classification:** Major  Minor

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

**Functional Classification:** Interstate Principal Arterial

**U. S. Route Number(s):** I-285

**State Route Number(s):** SR 407

**Traffic (AADT):**

**Current Year (2004):**

Source: [http://www.dot.state.ga.us/dot/plan-prog/transportation\\_data/traffic\\_counts/index.shtml](http://www.dot.state.ga.us/dot/plan-prog/transportation_data/traffic_counts/index.shtml)

I-285 (I-85 to Chamblee Tucker Road) .....	231,810
I-285 (Chamblee Tucker Road to Northlake Parkway) .....	223,630
I-285 (Northlake Parkway to La Vista Road) .....	215,470
I-285 (La Vista Road to Lawrenceville Highway) .....	222,350
I-285 Lawrenceville Highway to Stone Mountain Highway).....	180,000
I-285 (Stone Mountain Freeway to E. Ponce De Leon Avenue) .....	196,070
I-285 (E. Ponce De Leon Avenue to Memorial Drive).....	192,680
I-285 (Memorial Drive to Durham Park Road) .....	184,080
I-285 (Indian Creek MARTA Station to Covington Highway) .....	185,980
I-285 (Covington Highway to Glenwood Road) .....	178,240
I-285 (Glenwood Road to I-20) .....	178,380

**Existing design features:**

- Typical Sections:
  - *I-285: Number of lanes vary in each direction*
- Posted speed:
  - *I-285: 55 mph*
- Minimum Radius: *N/A*
- Maximum grade: *N/A*
- Major structures:
  - *Bridge at I-85 overpass at I-285*
  - *Bridge at I-285 EB to I-85 NB overpass at I-285*
  - *Bridge at I-85 NB to I-285 WB overpass at I-285*
  - *Bridge at I-85 Mainline underpass at I-285*
  - *Bridge at I-285 WB to I-85 SB overpass at I-285*
  - *Bridge at I-85 SB to I-285 EB overpass at I-285*
  - *Bridge at Chamblee-Tucker overpass at I-285*
  - *Bridge at Henderson Mill underpass at I-285*
  - *Bridge at Evans Road underpass at I-285*
  - *Bridge at Henderson Road overpass at I-285*
  - *Bridge at Midvale Road underpass at I-285*
  - *Bridge at Northlake Parkway overpass at I-285*
  - *Bridge at La Vista Parkway overpass at I-285*
  - *Bridge at CSX Railway underpass at I-285*
  - *Bridge at Lawrenceville Highway overpass at I-285*
  - *Bridge at Stone Mountain Freeway underpass at I-285*
  - *Bridge at East Ponce De Leon Avenue overpass at I-285*
  - *Bridge at Church Street overpass at I-285*
  - *Bridge at North Decatur Road underpass at I-285*
  - *Bridge at Rockbridge Road overpass at I-285*
  - *Bridge at Memorial Drive overpass at I-285*
  - *Bridge at Durham Park Road underpass at I-285*
  - *Bridge at Indian Creek MARTA Station overpass at I-285*
  - *Bridge at Redan Road overpass at I-285*
  - *Bridge at Covington Highway overpass at I-285*
  - *Bridge at Redwing Circle overpass at I-285*
  - *Bridge at Glenwood Road overpass at I-285*
  - *Bridge at Snapfinger Road underpass at I-285*
  - *Bridge at I-20 Mainline underpass at I-285*
- Major interchanges or intersections along the project:
  - *I-285 @ I-85*
  - *I-285 @ Chamblee-Tucker Road*
  - *I-285 @ Northlake Parkway*
  - *I-285 @ La Vista Road*
  - *I-285 @ Lawrenceville Highway*
  - *I-285 @ Stone Mountain Freeway (SR 78)*
  - *I-285 @ East Ponce De Leon Avenue*

- *I-285 @ Church Street*
- *I-285 @ Memorial Drive*
- *I-285 @ Covington Highway*
- *I-285 @ Glenwood Road*
- *I-285 @ I-20*
  
- Existing length: *I-285 from I-85 to HUB “S” at Stone Mountain Freeway: 5.5 miles*  
*I-285 from HUB “S” at Stone Mountain Freeway to I-20: 7.2 miles*  
*Total Project Length: 12.7 miles*

**Proposed Design Features:**

- Typical Sections:
  - *I-285: Existing section to remain*
- Posted speed:
  - *I-285: Existing posted speed to remain*
- Minimum Radius: *N/A*
- Maximum grade: *N/A*
- Proposed Maximum grade Mainline: *N/A*                      Maximum grade allowable: *N/A*
- Proposed Maximum grade Side Street: *N/A*                      Maximum grade allowable: *N/A*
- Proposed Maximum grade driveway: *N/A*
- Proposed Minimum Radius Mainline: *N/A*                      Minimum Radius allowable: *N/A*
- Proposed Minimum Radius Side Street: *N/A*                      Minimum Radius allowable: *N/A*
- Type of Access: *Limited Access*
- Right of way: *Project will be constructed within the existing Limited Access/Right of Way. No additional right of way and/or easements will be required.*
  - Number of parcels: *0*                      Number of displacements: *0*
    - Business: *0*
    - Residences: *0*
    - Mobile homes: *0*
    - Other: *0*
- Structures:
  - Strain Pole(s) possibly for CCTV and I-VDS cameras.
  - Mast Arms and Pedestals for traffic signal heads
- Major intersections and interchanges:
  - *I-285 @ I-85*
  - *I-285 @ Chamblee-Tucker Road*
  - *I-285 @ Northlake Parkway*
  - *I-285 @ La Vista Road*
  - *I-285 @ Lawrenceville Highway*
  - *I-285 @ Stone Mountain Freeway (SR 78)*
  - *I-285 @ E. Ponce De Leon Avenue*
  - *I-285 @ Church Street*
  - *I-285 @ Memorial Drive*
  - *I-285 @ Covington Highway*
  - *I-285 @ Glenwood Road*
  - *I-285 @ I-20*

- Traffic control during construction: *Shoulder closures and/ or lane closures will be necessary during installation of conduit, fiber optic cables, strain poles, mast arms, and traffic signal pedestals.*
- Design Exceptions to controlling criteria anticipated: *At the direction of the Department, the stop bar at the ramp meter traffic signal will be located such that minimum acceleration distances (from the stop bar to where the width of the entrance ramp lane reduces to less than 12') will be based on a design speed of 55 mph which may be less than the actual design speed of the mainline facility. Therefore, a Speed Design Exception is anticipated since Acceleration Length as per Exhibit 10-70 in the American Association of State Highway and Transportation Officials' (AASHTO) "A Policy on Geometric Design of Highways and Streets, 2004 Fifth Edition" ("Green Book") may not be provided. In addition, the Department has requested that for single lane entrance ramps where pavement widths of 24' or greater exists, the design should reflect pavement markings such that two (2) lanes with a minimum width of 10' each and minimum 2' left and right paved shoulders be provided. Traveled-way widths to address the vehicle offtracking as per Exhibit 10-67 in the "Green Book" may not be provided when restriped in non-tangent sections since the existing ramp pavement widths were likely based on one-lane operation. In addition, shoulder width requirements described on pages 838-839 of the "Green Book" may also not be met after restriping. In addition, to develop tapers downstream of the ramp meter stop bar, existing shoulder may also need to be utilized. Therefore, Roadway Width and Shoulder Width Exceptions are anticipated.*

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

- Design Variances: *None Anticipated*
- Environmental Concerns: *None Anticipated*
- Probable Locations of UST's: *N/A*
- Probable Locations of Hazardous Waste: *None Anticipated*
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes , No ,
  - Categorical Exclusion ,
  - Environmental Assessment/Finding of No Significant Impact (FONSI) , or
  - Environmental Impact Statement (EIS) .

- Utility involvements: *Power service will be required for all cameras and ramp meter signals.*
- Meets Logical Termini Requirements: *Yes*
- Conforms to TIP/STIP: *Yes*

**Project responsibilities:**

- Design: *URS Corporation on Behalf of the Georgia DOT.*
- Right of Way Acquisition: *N/A*
- Relocation of Utilities: *GDOT*
- Letting to contract: *GDOT*
- Supervision of construction: *GDOT*
- Providing material pits: *None Required*
- Providing detours: *None Anticipated*

**Coordination:**

- Pre-Concept Meeting: *7-7-05*
- Initial Concept Meeting date and brief summary: *To be determined.*
- Concept meeting date and brief summary: *To be determined.*
- P. A. R. meetings, dates and results: *None Required*
- Public involvement: *No public meetings are anticipated.*
- Local government comments: *N/A*
- Other projects in the area: *See attached list*
- Other coordination to date: *URS to contact DeKalb County to determine any needs they may have with regards to this project.*

**Scheduling – Responsible Parties’ Estimate:**

- Time to complete the environmental process: *4 Months*
- Time to complete preliminary construction plans: *6 Months*
- Time to complete right of way plans: *N/A*
- Time to complete the Section 404 Permit: *N/A*
- Time to complete final construction plans: *4 Months*
- Time to complete to purchase right of way: *N/A*

**Other alternates considered:**

*Alternative #1: No Build*

**Comments:** *Extension of NaviGator system, Current fiscal year FY 06,*

**Attachments:**

1. Cost Estimate including E & C
2. List of other projects in the area
3. Notice of Location and Design Approval
4. Concept Report Rating Form

**ATTACHMENT #1**

**COST ESTIMATE:**

**I-285 Northeast Ramp Meters from I-85/DeKalb to I-20/DeKalb  
 CSNHS-0006-00(395), PI 0006395  
 DeKalb County  
 Quantities and Cost Summary  
 Concept Cost Estimate**

Item Code	Description	Unit	Quantity	Engineer Estimate	
				Unit Price (\$)	Amount (\$)
150-1000	Traffic Control CSNHS-0006-00(396)	LS	Lump	\$ 150,000.00	\$ 150,000.00
615-1200	Directional Bore - 3 IN	LF	310	\$ 30.00	\$ 9,300.00
682-6231	Conduit, Nonmetl, TP 3, 2 IN	LF	1075	\$ 4.00	\$ 4,300.00
935-1113	Outside Plant Fiber Optic Cable, Loose Tube, SM, 6 Fiber	LF	1295	\$ 1.25	\$ 1,618.75
935-3101	Fiber Optic Closure, Underground, 6 Fiber	EA	4	\$ 300.00	\$ 1,200.00
935-4010	Fiber Optic Splice, Fusion	EA	24	\$ 50.00	\$ 1,200.00
XXX-XXXX	Ramp Meter Equipment	EA	11	\$ 75,000.00	\$ 825,000.00
<b>Total Estimate</b>					<b>\$ 992,618.75</b>

Total Estimate:	\$ 992,618.75
Inflation:	0
10% E & C	\$ 99,261.88
<b>Total Project Cost</b>	<b>\$ 1,091,880.63</b>

## **ATTACHMENT #2**

### **PROJECTS IN AREA:**

- 1.** Interchange Capacity I-285 & Memorial Drive and Relocate George Luther Dr  
(ARC # DK-AR-205 / GDOT PI# 713280 / Construction\$ Programmed 2006)
- 2.** HOV Lanes I-285 from I-20 East to I-85 North  
(ARC # AR-H-301A-B / GDOT PI# 0003432 / Construction\$ Programmed >2010)
- 3.** Interchange Capacity I-285 & Lawrenceville Highway  
(ARC # DK-AR-184 / GDOT PI# 7133320 / Construction\$ Programmed 2006)
- 4.** Interchange Capacity I-285 & I-20  
(ARC # DK-AR-241 / GDOT PI# 0000378 Long Range)
- 5.** Noise Barrier Walls I-285 from Chamblee-Tucker Road to Henderson Mill Road  
(ARC # DK-AR-244 / GDOT PI# 0005130 Long Range)
- 6.** I-285 Bus Rapid Transit (BRT) from Doraville MARTA Station to I-20 East  
(ARC # AR-902A-B / GDOT PI# NA Long Range)
- 7.** Interchange Capacity I-285 & Redan Road  
(ARC # DK-AR-246 / GDOT PI# 712120 Long Range)

**ATTACHMENT #3**

**NOTICE OF LOCATION AND DESIGN APPROVAL**

**PROJECT: CSNHS-0006-00(395) DEKALB COUNTY**

**P. I. NO. 0006395**

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 projects.

Date of Location and Design Approval: MARCH 6, 2006

Project CSNHS-0006-00(395) in DeKalb County consists of installing ramp meters along I-285 from the I-85 interchange in DeKalb County to the I-20 interchange in DeKalb County. The ramp meters will control the release of vehicles onto I-285 during peak hours thereby reducing congestion and stabilizing the flow of traffic that typically occurs at heavy volume merge locations. The operation of the ramp meters will create a smoother flow of traffic and reduce the potential for traffic crashes during peak hours. This project will include ramp meters which will include the installation of I-VDS cameras and CCTV cameras at all entrance ramp locations along I-285 from I-85 to I-20 except as noted in the Concept Report. The CCTV cameras will allow for improved monitoring of the interchanges and operation of the ramp meters at the Transportation Management Center (TMC). This project will use the existing fiber optic trunk line along I-285 to tie in with Hubs C, S, and I. To provide interim Ethernet rings back to Hubs S and I, this project will install conduit and fiber optic cable under I-285 at the ends of the current fiber optic system both north and south of Memorial Drive.

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

Mr. Jim Tolson, Traffic Design Manager  
935 E. Confederate Avenue  
Wayne Shackelford Building  
Atlanta, GA 30316  
(404) 635-8139  
email: [jim.tolson@dot.state.ga.us](mailto:jim.tolson@dot.state.ga.us)

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

Keith Golden, P.E.  
Office of Traffic Safety & Design  
935 E. Confederate Avenue  
Building 24  
Atlanta, GA 30316  
email: [keith.golden@dot.state.ga.us](mailto:keith.golden@dot.state.ga.us)

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

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> CSNHS-0006-00(395)		<b>County:</b> DeKalb		<b>PI No.:</b> 0006395	
<b>Report Date:</b> August 30, 2005		<b>Concept By:</b> DOT Office: Traffic Safety and Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: URS			
<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 checked="" 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 type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				