

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 713372-, Fulton-Clayton Counties **OFFICE** Preconstruction
CM-285-2(378)
I-285 ATMS **DATE** February 17, 2006

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

TO *to-* SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

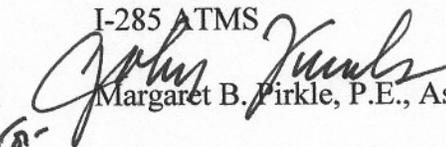
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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 713372, Fulton-Clayton Counties **OFFICE** Preconstruction
CM-285-1(378)
I-285 ATMS **DATE** September 1, 2005

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

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

SUBJECT PROJECT CONCEPT REPORT

This project is the expansion of Georgia DOT's Navigator system on I-285 from I-85 in south Fulton County to I-75 in Clayton County. The Navigator system has nearly reached full integration inside 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, K-285, I-675, I-985, SR 316, SR 400, and SR 410 planned as part of the Fast Forward Program. The expansion of the Navigator system in this region will help alleviate the congestion being experienced along this corridor during peak hours.

This project will extend the fiber optic trunk line along I-285 on both sides of the fifth runway/taxiway tunnels, west to existing Hub "K" and east to existing Hub "L." the project will also provide a communications link through the fifth runway/taxiway tunnels using conduit installed in this tunnel project. The fiber optic trunk line will be located on the northbound and southbound sides as close to the back of the clearzone as possible. The trunk line may enter the paved shoulder to cross bridges and other locations where it is not feasible to locate outside the paved shoulder. The trunk line will be carried within continuous conduit duct banks, which will have four, 2" cells. Crossover links will be installed at South Outer Loop Road and Riverdale Road to provide links between the westbound and eastbound fiber optic cables.

Other devices included in this project will be two types of cameras: a closed circuit television (CCTV) camera for general traffic surveillance and a camera for vehicle detection (VDS). The traffic surveillance and vehicle detection cameras will be mounted on strain poles typically located off the shoulder of the freeway. However, where appropriate, some cameras may be mounted on existing sign structures or behind guardrail.

No changeable message signs (CMS) are proposed for this project because four CMSs related to the fifth runway/taxiway project are already in place or under construction. Ramp meters will be installed at the Riverdale Road eastbound and westbound on-ramps.

All network electronics required to operate and communicate with the devices in this project are included as well. This includes electronic equipment to be located in the hubs or in the

David Studstill

Page 2

P.I. No. 713372, Fulton-Clayton

September 1, 2005

equipment room at the TMC. Network electronics include devices for multiplexing video and data signals for converting analog signals to digital signals for transmission on fiber and video switches.

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

The estimated costs for this project are:

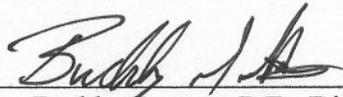
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$4,340,000	\$4,202,000	Q05	2006
Right-of-Way & Utilities	-0-	-0-		

Expanding Navigator to this corridor will allow quicker detection and verification of incidents at the TMC, resulting in better information to travelers, quicker response by Highway Emergency Response Operators (HEROs), and improve highway safety. This project is in the STIP. I recommend this project concept be approved.

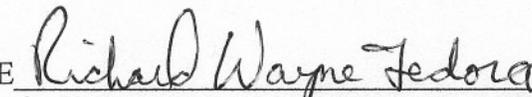
MBP:JDQ/cj

Attachment

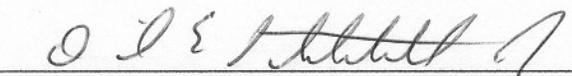
CONCUR


Buddy Gratton, P.E., Director of Preconstruction

APPROVE


for Robert M. Callan, Administrator, FHWA

APPROVE


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

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: CM-285-1(378) FULTON & CLAYTON COUNTIES

P. I. NO. 713372

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: FEBRUARY 17, 2006

Project CM-285-1(378) is an expansion of the GDOT NaviGator System on I-285 from the I-85 interchange to the I-75 interchange in Fulton County, with the exception of the section of I-285 encompassing the Hartsfield-Jackson Atlanta International Airport's Fifth Runway/Taxiway. The expansion includes placing electrical communications boxes, pullboxes, conduits, and fiber optic cables along both sides of the freeway outside the clear zone. In addition, the project includes CCTV and VDS cameras mounted on strain poles outside the clear zone on both sides of the freeway. Where appropriate, some cameras may be mounted on existing sign structures or in the median of the roadway. At selected entrance ramps within the project limits, ramp meters (consisting of pole-mounted detection devices, conduit, pullboxes, and traffic signal equipment) will be placed to control the flow of vehicles entering the freeway.

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
Building 24
Atlanta, GA 30316
(404) 635-8139
email: 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:

Mr. Jim Tolson, Traffic Design Manager
935 E. Confederate Avenue
Building 24
Atlanta, GA 30316
email: jim.tolson@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.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CM-285-1(378) Fulton/Clayton **OFFICE:** Engineering Services
P.I. No. 713372
I-285 ATMS

DATE: August 26,2005

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

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

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report submitted August 19, 2005 from Keith Golden, and have no comments.

The costs for this project are:

Construction	\$3,944,595
Inflation	\$0.00
E & C	\$394,460
Reimbursable Utilities	\$0.00
Right of Way	\$0.00

REW

c: Keith Golden, Attn.: Jim Tolson

Need and Purpose:

The purpose of this project is to increase the efficiency and safety of the corridor by expanding the NaviGator system on I-285 from the interchange with I-85 in Fulton County to the interchange with I-75 in Clayton County. The expansion of the NaviGator system in this region will help manage congestion currently experienced along the corridor during peak hours. These time savings will be accomplished by reducing incident response/clearance times, preventing secondary accidents, and providing information to motorists of roadway/traffic conditions.

The Georgia DOT's NaviGator – Intelligent Transportation System has been in operation since April 1996. It is currently being extended with projects on I-20, I-75, I-85, I-285, I-575, I-675, I-985, SR 316, SR 400, and US 78 planned as part of the Fast Forward Program. The system consists of surveillance cameras (CCTV), vehicle detection system (VDS) cameras, radar detection systems, changeable message signs (CMS), and ramp meters. By use of a fiber optic communications backbone, all the devices are tied to the Transportation Management Center (TMC) and various traffic control centers (TCCs) in the Metro Atlanta area. Operators at the TMC are able to detect incidents and dispatch appropriate response teams with minimal delay. The NaviGator program benefits the trucking industry and motorists by reducing incident response/clearance times and by 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 percent. This project will assist in faster detection of incidents at the TMC, resulting in quicker response by emergency personnel, better information to travelers, and improved highway safety.

Description of the proposed project:

Coverage

This project will include CCTV and VDS coverage necessary to provide roadway condition information to the NaviGator system, with the exception of the section of I-285 encompassing the Hartsfield-Jackson Atlanta International Airport's Fifth Runway/Taxiway. Existing CMS will be used to allow NaviGator operators to communicate roadway condition information to drivers. NaviGator equipment will be installed on both directions of I-285, east and west of the fifth runway/taxiway tunnels, but not through the tunnels.

The NaviGator infrastructure providing coverage of the I-75 interchange was installed on a previous project. The NaviGator infrastructure providing coverage of I-85 interchange will be installed under Project No. CSNHS-0006-00(332), P.I. 0006332 (I-85 ATMS from SR 74 to Camp Creek Parkway), which will be let together with this project.

Communications Plan

This project will use the Department's standard Ethernet communications architecture. All data and video from the project will be sent over the Department's Ethernet network. All network electronics required to operate and communicate with the devices in this project are included, including new field device connections to Hubs K and L.

This project will extend the fiber optic trunk line along I-285 on both sides of the fifth runway/taxiway tunnels, west to existing Hub K and east to existing Hub L. The fiber optic trunk line will be located on both the eastbound and westbound sides of the freeway, as close to the back of the clear zone as possible. The project will also provide a communication link through the Fifth Runway/Taxiway tunnels using conduit installed in

the tunnel project. The trunk line may enter the paved shoulder to cross bridges and at other locations where it is not feasible to locate outside the paved shoulder. The trunk will be carried within continuous conduit duct banks (type 3), which will have four 2" cells. Each duct bank will carry single-mode fiber optic cable for device communications. Crossover links will be installed at S. Outer Loop Road and Riverdale Road to provide links between the westbound and eastbound fiber optic cables.

This project does not provide communications to the devices installed in the fifth runway/taxiway tunnels and approaching the tunnels as part of the Fifth Runway/Taxiway project. These devices already communicate to Hub L.

CCTV

CCTV cameras will be located to provide continuous coverage of I-285 within the project area, excluding the area already instrumented under the Fifth Runway/Taxiway project. Typical CCTV spacing will be approximately 2/3 mile with cameras located as needed to provide continuous interchange coverage. The traffic surveillance and vehicle detection cameras will be mounted on strain poles typically located outside the clear zone of the roadway. However, where appropriate, some cameras may be mounted on existing sign structures or in the median of the roadway. Poles and devices installed between Clark Howell Highway and Loop Road must comply with FAA height restrictions.

VDS

VDS camera locations will be chosen to provide an average spacing of 1/3 mile along the project. Poles and devices installed between Clark Howell Highway and Loop Road must comply with FAA height restrictions. The poles or other mounting apparatus for the cameras are included in this project.

CMS

No CMSs are proposed for this project, because four CMSs related to the Fifth Runway/Taxiway project are already in place or under construction.

Hubs

This project does not include a new hub building. This project will use Hubs K and L. Hub K will serve as a network connection point for the field devices installed on this project west of the fifth runway/taxiway tunnels. Hub L will serve as a network connection point for the field devices installed on this project east of the fifth runway/taxiway tunnels.

Ramp Meters

Ramp meters will be installed at the Riverdale Road eastbound and westbound on-ramps. Each ramp meter will require detection to monitor the operation of the ramp and a VDS camera to monitor the freeway operation, as well as one CCTV camera for visual coverage for the length of the ramp. Ramp meter signals will be installed either on both the left and right shoulders of the on ramp, adjacent to the stop bar or above each lane, depending on geometric constraints. All supporting hardware, detection, VDS, CCTV camera, poles, mast arms, lane markings, signal assemblies, controller cabinets, and signage for the installation of ramp meters are included in this project.

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 (2004 AADT)

source: http://www.dot.state.ga.us/dot/plan-prog/transportation_data/traffic_counts/index.shtml

I-285 WB On-ramp (I-75 Off-ramp to Loop Rd)	144,380
I-285 WB On-ramp (From Loop Rd to Riverdale Rd)	129,690
I-285 (Riverdale Rd to Fulton Co. Line)	110,820
I-285 (Fulton Co. Line to I-85 WB ramp)	110,820
I-285 (I-85 WB ramp to I-85 SB ramp)	126,820
I-285 (I-85 SB to End of Project)	104,740

Existing design features:

- Typical Sections:
 - *I-285: 4 lanes both directions*
- Posted speed:
 - *I-285: Fulton Co. – 55 mph*
 - *I-285: Clayton Co. – 65 mph*
- Minimum Radius: *N/A*
- Maximum grade: *N/A*
- Major structures:
 - *Bridge at Clark Howell Highway overpass*
 - *Bridge at Loop Road overpass*
 - *Bridge at fifth runway/taxiway overpass*
 - *Bridge at Riverdale Road overpass*
 - *Bridge at Fayetteville Road underpass*
- Other structures:
 - *Strain Poles: 1 pole for CCTV located on the eastbound side at milepost 3; 2 poles for VDS located on the eastbound side at the west end of the fifth runway/taxiway tunnel*
- Major interchanges or intersections along the project:
 - *I-285 at I-75*
 - *I-285 at Clark Howell Highway*
 - *I-285 at S. Loop Road*
 - *I-285 at Riverdale Road*
 - *I-285 at I-85*
- Existing length: *Clayton County: Mile 57.76 to Mile 61.34*
Fulton Co. Mile 61.34 to Mile 63.38
(Total Length: 5.62 miles)
Section encompassing Fifth Runway/Taxiway tunnels: 1.16 miles
Total Project Length: 4.46 miles

- Design Variances: *None*
- Environmental Concerns: *None*
- Probable Locations of Underground Storage Tanks (UST): *N/A*
- Probable Locations of Hazardous Waste: *None*
- 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 CCTV cameras, VDS cameras and ramp meters.*
- Meets Logical Termini Requirements: *Yes*
- Conforms to TIP/STIP: *Yes*

Project responsibilities:

- Design: *TransCore ITS 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: *6-14-05*
- Initial Concept Meeting date and brief summary: *N/A*
- Concept meeting date and brief summary: *The Concept Meeting was held on July 8, 2005 as a joint meeting with Project No.: CSNHS-006-00(332), PI 0006332 (I-85 from SR 74 to Camp Creek Pkwy.). Twelve people were in attendance, and the draft Concept Report was presented. It was mentioned that the Fifth Runway/Taxiway project installed conduit through the tunnels and to Hub L on the westbound side of I-285. This was the only recommended additional to the draft Concept Report.*
- 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: *None*

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: *3 Months*
- Time to complete preliminary construction plans: *3 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: *3 Months*
- Time to complete to purchase right of way: *N/A*

Other alternates considered:

Project Concept Report
Project Number: CM-285-1(378)
P.I. Number: 713372
County: Fulton and Clayton

Alternative #1: No Build

Comments: *Extension of NaviGator for system, current fiscal year FY 05*

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:
 - CMS: None
 - Strain Poles for CCTV and VDS
- Major intersections and interchanges:
 - All major intersections and interchanges to remain the same
- Traffic control during construction: Shoulder closures and/or lane closures will be necessary during installation of conduit, fiber optic cables, dynamic message signs, and strain poles.
- Design Exceptions to controlling criteria 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"/>

Attachments:

1. Cost Estimate including E & C
2. List of other projects in the area (ARC Project Fact Sheets and Projects in Area summarized below)
3. Notice of Location and Design Approval
4. Concept Report Rating Form

COST ESTIMATE

Item Code	Description	Unit	Quantity	Engineer Estimate		
				Unit Price (\$)	Amount (\$)	
150-1000	Traffic Control CM-285-1(378)	Lump	Lump	\$ 150,000.00	\$ 150,000.00	
151-1300	Field Engineer's Office, Type 3	Each	1	\$ 50,000.00	\$ 50,000.00	
610-1075	Remove Guardrail Anch, All Types	Each	2	\$ 200.00	\$ 400.00	
615-1200	Directional Bore, 5 IN	Lin Ft	3,200	\$ 30.00	\$ 96,000.00	
632-0003	Changeable Message Sign, Portable, Type 3	Each	2	\$ 10,000.00	\$ 20,000.00	
639-4004	Strain Pole, Type IV	Each	16	\$ 3,600.00	\$ 57,600.00	
641-1200	Guardrail, TP W	Lin Ft	500	\$ 13.00	\$ 6,500.00	
641-5001	Guardrail Anch, TP 1	Each	4	\$ 450.00	\$ 1,800.00	
641-5012	Guardrail Anch, TP 12	Each	4	\$ 1,400.00	\$ 5,600.00	
647-2150	Pullbox, PB-5	Each	29	\$ 1,300.00	\$ 37,700.00	
682-9040	Electrical Communication Box, TP 6	Each	66	\$ 3,250.00	\$ 214,500.00	
682-6222	Conduit, Nonmetl, TP 2, 2 IN	Lin Ft	7,800	\$ 12.00	\$ 93,600.00	
682-6231	Conduit, Nonmetl, TP 3, 2 IN	Lin Ft	540	\$ 8.00	\$ 4,320.00	
682-6520	Fiberglass, 2 IN	Lin Ft	1,700	\$ 45.00	\$ 76,500.00	
682-7065	Duct Bank, Type 3	Lin Ft	44,350	\$ 40.00	\$ 1,774,000.00	
935-1113	Outside Plant Fiber Optic Cable, Loose Tube, SM, 24 Fiber	Lin Ft	9,500	\$ 2.00	\$ 19,000.00	
935-1118	Outside Plant Fiber Optic Cable, Loose Tube, SM, 144 Fiber	Lin Ft	59,750	\$ 5.50	\$ 328,625.00	
935-1513	Outside Plant Fiber Optic Cable, Drop, SM, 24 Fiber	Lin Ft	2,700	\$ 3.50	\$ 9,450.00	
935-3103	Fiber Optic Closure, Underground, 24 Fiber	Each	18	\$ 600.00	\$ 10,800.00	
935-3108	Fiber Optic Closure, Underground, 144 Fiber	Each	6	\$ 1,000.00	\$ 6,000.00	
935-3403	Fiber Optic Cable, FDC (Rack Mounted), 24 Fiber	Each	22	\$ 750.00	\$ 16,500.00	
935-3408	Fiber Optic Cable, FDC (Rack Mounted), 144 Fiber	Each	4	\$ 2,000.00	\$ 8,000.00	
935-4010	Fiber Optic Splice, Fusion	Each	1,058	\$ 50.00	\$ 52,900.00	
935-8000	Testing	Lump	Lump	\$ 13,000.00	\$ 13,000.00	
936-1001	CCTV System, Type B	Each	4	\$ 12,000.00	\$ 48,000.00	
936-8000	Testing	Lump	Lump	\$ 5,000.00	\$ 5,000.00	
937-1000	Video Camera Sensor Assembly	Each	18	\$ 5,100.00	\$ 91,800.00	
937-3010	Video Detection System Processor, Type A	Each	14	\$ 12,000.00	\$ 168,000.00	
937-8000	Testing	Lump	Lump	\$ 12,000.00	\$ 7,500.00	
939-1190	Video Encoder, Type A	Each	4	\$ 5,000.00	\$ 20,000.00	
939-1195	Video Decoder, Type A	Each	2	\$ 5,000.00	\$ 10,000.00	
939-2211	Network Switch, Layer 3 GigE, Type A (Four SM 17dB GBICs)	Each	1	\$ 90,000.00	\$ 90,000.00	
939-2221	GBIC Enterprise Routing Switch Module, 8 Port	Each	1	\$ 15,000.00	\$ 15,000.00	
939-2232	GBIC Type B	Each	1	\$ 4,000.00	\$ 4,000.00	
939-2300	Field Switch, Type A	Each	8	\$ 4,000.00	\$ 32,000.00	
939-2301	Field Switch, Type B	Each	18	\$ 7,000.00	\$ 126,000.00	
939-4040	Type D Cabinet	Each	18	\$ 4,000.00	\$ 72,000.00	
939-5020	Electrical Power Service	Each	18	\$ 2,500.00	\$ 45,000.00	
939-8000	Testing	Lump	Lump	\$ 7,500.00	\$ 7,500.00	
xxx-xxxx	Ramp Meter Equipment	Each	2	\$ 75,000.00	\$ 150,000.00	
Total Estimate					\$ 3,944,595.00	

Total Estimate:	\$ 3,944,595.00
Inflation:	0
10% E & C	\$ 394,459.50
Total Project Cost	\$ 4,339,054.50

PROJECTS IN AREA:

- 1. I-285 ATMS from I-85 to I-20 West (See attached project Fact Sheet)**
CM-285-1(377)
P.I. 713371

- 2. Fifth Runway Project**
P.I. 0004949
No MSL-0004-00(949)
Under Construction

- 3. I-85 ATMS from SR 74 to Camp Creek Parkway (See attached project Fact Sheet)**
CSNHS-0006-00(332)
P.I. 0006332

- 4. I-285 ATMS from I-75 to I-20 (See attached project Fact Sheet)**
NHS-0002-00(754)
P.I. 0002754
Let Date April 2005

- 5. I-285 E to I-75 S Ramp Reconstruction**
IM-285-1(346)
P.I. 713210
Long Range

- 6. I-285 @ Riverdale Rd Bridge Jacking**
NHS-M000-00(331)
P.I. M000331
Scheduled let date August 2005

- 7. I-285/I-75 Intermediate Solution to reduce truck overturning**
IM-000-00(375)
P.I. 0000375
Under Construction

PROJECT FACT SHEET

PROJECT DEFINITION

Short Title I-85 SOUTH ATMS COMMUNICATIONS / SURVEILLANCE FROM CAMP CREEK PARKWAY IN FULTON COUNTY TO SR 74 IN FULTON COUNTY

GDOT Project No. 0006332

Status Programmed

Detailed Description and Justification The addition of fiber optic cable, surveillance cameras and changeable message signs from Camp Creek Parkway to SR 74.

Service Type ITS-Smart Corridor

Sponsor GDOT

Jurisdiction Fulton (South)

Completion Date 2007

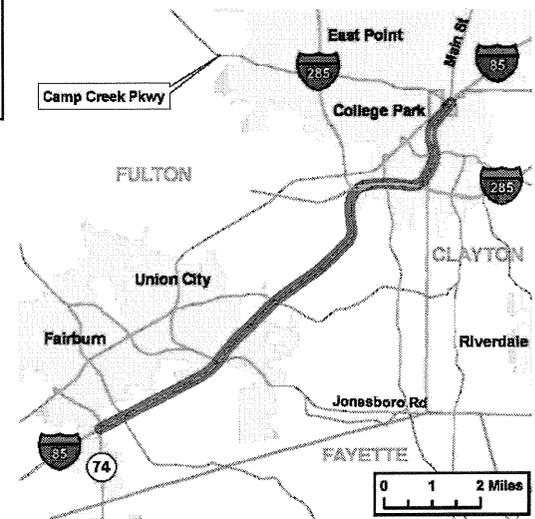
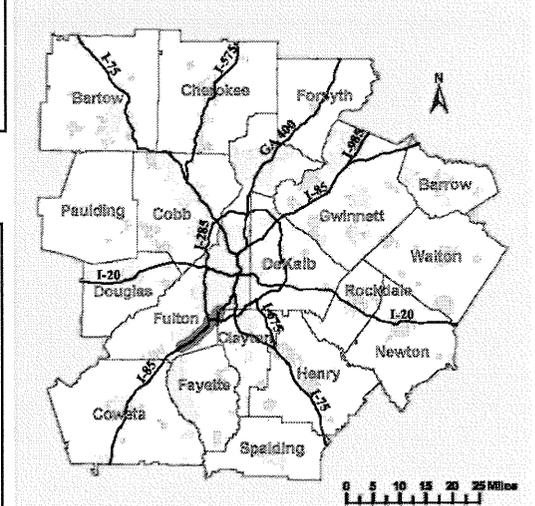
Existing Thru Lane N/A *(applicable for roadway projects only)*

Planned Thru Lane N/A *(applicable for roadway projects only)*

Corridor Length 10.6 miles *(not applicable for all project types)*

Network Year 2010 *(required if modeled for conformity)*

Analysis Level Exempt from Air Quality Analysis (40 CFR 93)



PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$13,150,000

Funded in Current TIP \$13,150,000 *(see table below for details)*

Primary Funding Source Q05 - National Highway System

Phase Status and Funding Information for 05-10 TIP	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
			FEDERAL	STATE	BOND	LOCAL/OTHER
Preliminary Engineering / Design / Study (Year 1)	2005	\$150,000	\$120,000	\$30,000	\$0	\$0
Preliminary Engineering / Design / Study (Year 2)		\$0	\$0	\$0	\$0	\$0
Preliminary Engineering / Design / Study (Year 3)		\$0	\$0	\$0	\$0	\$0
Right-of-way Acquisition		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 1)	2006	\$13,000,000	\$10,400,000	\$2,600,000	\$0	\$0
Construction / Implementation (Year 2)		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 3)		\$0	\$0	\$0	\$0	\$0

? All projects listed are contained in the Mobility 2030 Regional Transportation Plan. Some or all may also be included in the FY 2005-2010 Transportation Improvement Program. For additional information about this project, please visit the Atlanta Regional Commission at www.atlantaregional.com or call (404) 463-3100.



PROJECT FACT SHEET

PROJECT DEFINITION

Short Title I-285 WEST ATMS FROM I-85 SOUTH TO I-20 WEST (CITY OF ATLANTA)

GDOT Project No. 713371

Status Programmed

Detailed Description and Justification The addition of fiber optic cable, surveillance cameras and changeable message signs from I-85 South to I-20 West.

Service Type ITS-Smart Corridor

Sponsor GDOT

Jurisdiction City of Atlanta

Completion Date 2007

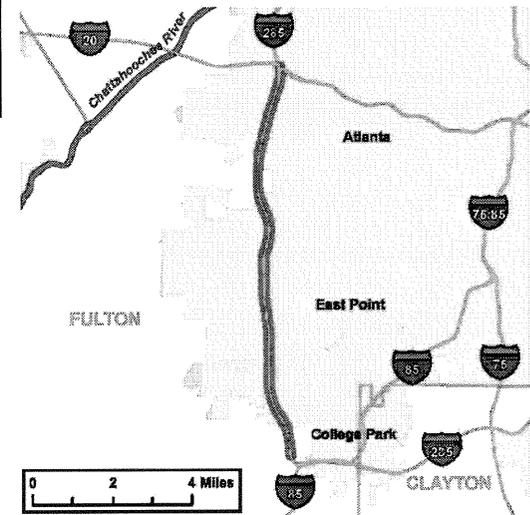
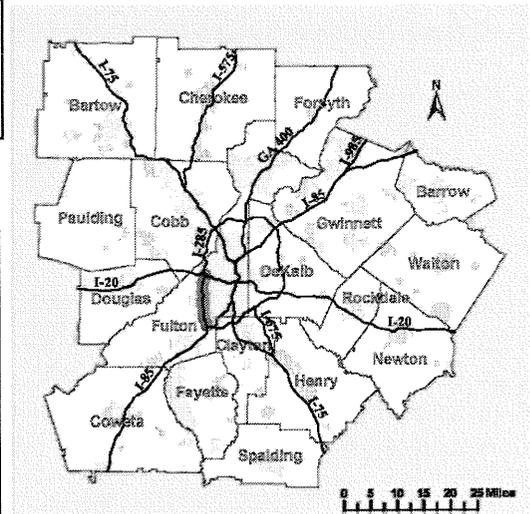
Existing Thru Lane N/A (applicable for roadway projects only)

Planned Thru Lane N/A (applicable for roadway projects only)

Corridor Length 10.4 miles (not applicable for all project types)

Network Year 2010 (required if modeled for conformity)

Analysis Level Exempt from Air Quality Analysis (40 CFR 93)



PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$8,615,600

Funded in Current TIP \$8,615,600 (see table below for details)

Primary Funding Source Q05 - National Highway System

Phase Status and Funding Information for 05-10 TIP	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
			FEDERAL	STATE	BOND	LOCAL/OTHER
Preliminary Engineering / Design / Study (Year 1)	2005	\$150,000	\$120,000	\$30,000	\$0	\$0
Preliminary Engineering / Design / Study (Year 2)		\$0	\$0	\$0	\$0	\$0
Preliminary Engineering / Design / Study (Year 3)		\$0	\$0	\$0	\$0	\$0
Right-of-way Acquisition		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 1)	2006	\$8,465,600	\$6,772,480	\$1,693,120	\$0	\$0
Construction / Implementation (Year 2)		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 3)		\$0	\$0	\$0	\$0	\$0

All projects listed are contained in the Mobility 2030 Regional Transportation Plan. Some or all may also be included in the FY 2005-2010 Transportation Improvement Program. For additional information about this project, please visit the Atlanta Regional Commission at www.atlantaregional.com or call (404) 463-3100.



PROJECT FACT SHEET

PROJECT DEFINITION

Short Title I-285 SOUTH ATMS SURVEILLANCE FROM I-75 SOUTH (CLAYTON) TO I-20 EAST (DEKALB)

GDOT Project No. 0002754

Status Programmed

Detailed Description and Justification
The addition of fiber optic cable, surveillance cameras and changeable message signs from I-75 South to I-20 East.

Service Type ITS-Smart Corridor

Sponsor GDOT

Jurisdiction Multi-County

Completion Date 2006

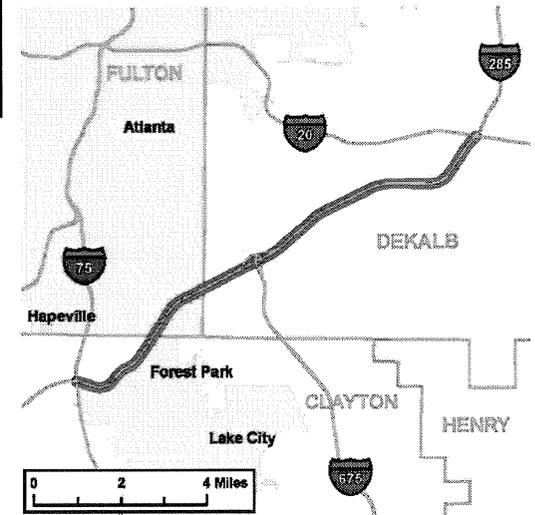
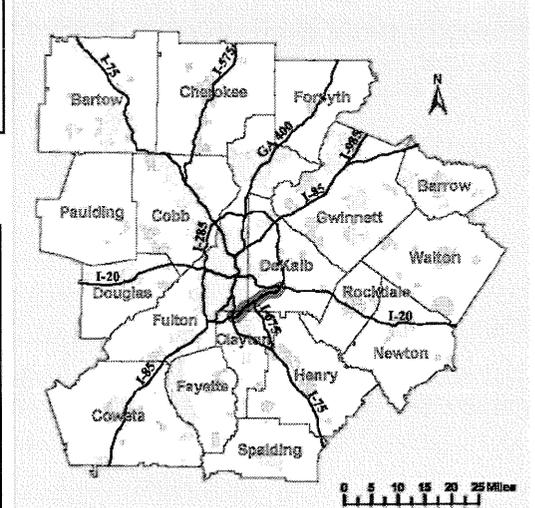
Existing Thru Lane N/A *(applicable for roadway projects only)*

Planned Thru Lane N/A *(applicable for roadway projects only)*

Corridor Length 11.5 miles *(not applicable for all project types)*

Network Year 2010 *(required if modeled for conformity)*

Analysis Level Exempt from Air Quality Analysis (40 CFR 93)



PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$12,758,000

Funded in Current TIP \$12,758,000 *(see table below for details)*

Primary Funding Source GRV - GARVEE BOND

Phase Status and Funding Information for 05-10 TIP	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
			FEDERAL	STATE	BOND	LOCAL/OTHER
Preliminary Engineering / Design / Study (Year 1)		\$0	\$0	\$0	\$0	\$0
Preliminary Engineering / Design / Study (Year 2)		\$0	\$0	\$0	\$0	\$0
Preliminary Engineering / Design / Study (Year 3)		\$0	\$0	\$0	\$0	\$0
Right-of-way Acquisition		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 1)	2005	\$12,758,000	\$0	\$0	\$12,758,000	\$0
Construction / Implementation (Year 2)		\$0	\$0	\$0	\$0	\$0
Construction / Implementation (Year 3)		\$0	\$0	\$0	\$0	\$0

? All projects listed are contained in the Mobility 2030 Regional Transportation Plan. Some or all may also be included in the FY 2005-2010 Transportation Improvement Program. For additional information about this project, please visit the Atlanta Regional Commission at www.atlantaregional.com or call (404) 463-3100.



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

CM-285-1(378)
FULTON & CLAYTON COUNTIES
P.I. NO. 713372

FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407

*ATMS/I-285 Communication/Surveillance
from I-85 in Fulton County
to I-75 in Clayton County*

Recommendation for approval:

DATE 8-9-05

Heidi Gold
State Traffic Safety & Design Engineer

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 Transportation Financial Management Administrator

DATE _____

State Environmental / Location Engineer

DATE _____

District Engineer

DATE 8/26/05

Brian K. Summers *REW*
Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

CM-285-1(378)
FULTON & CLAYTON COUNTIES
P.I. NO. 713372

FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407

*ATMS/I-285 Communication/Surveillance
from I-85 in Fulton County
to I-75 in Clayton County*

Recommendation for approval:

DATE 8-9-05


State Traffic Safety & Design Engineer

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

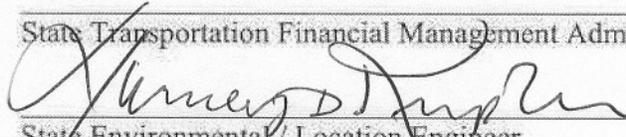
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE 8.23.05


State Environmental / Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

SCORING RESULTS AS PER TOPPS 2440-2

Project Number: CM-285-1(378)	County: Fulton/Clayton	PI No.: 713372
Report Date: August 9, 2005	Concept By: DOT Office: Traffic Safety and Design	
<input checked="" type="checkbox"/> Concept Stage	Consultant: Transcore	
Project Type: Choose One From Each Column	<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Urban
	<input checked="" type="checkbox"/> Minor	<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	

FOCUS AREAS	SCORE	RESULTS
Presentation	100	
Judgement	100	
Environmental	100	
Right of Way	100	
Utility	100	
Constructability	100	
Schedule	100	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

**CM-285-1(378)
FULTON & CLAYTON COUNTIES
P.I. NO. 713372**

**FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407**

*ATMS/I-285 Communication/Surveillance
from I-85 in Fulton County
to I-75 in Clayton County*

Recommendation for approval:

DATE 8-9-05



State Traffic Safety & Design Engineer

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 Transportation Financial Management Administrator

DATE _____

State Environmental / Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer