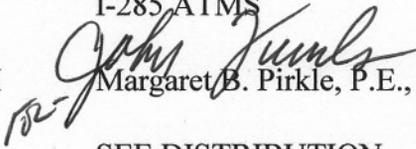


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 713371-, Fulton County **OFFICE** Preconstruction
CM-285-1(377)
I-285 ATMS **DATE** January 9, 2006

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

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 713371, Fulton County **OFFICE** Preconstruction
 CM-285-1(377)
 I-285 ATMS **DATE** September 1, 2005

FROM *John Kunkle*
 Margaret B. Pirkle, 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-20 west in Fulton 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 using existing hubs G, R, and K. The fiber optic line will be located on the northbound and southbound sides as close to the back of the clear zone 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 MLK, Jr. Drive, Cascade Road, Camp Creek Parkway, and Washington Road to provide links between the northbound and southbound 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. This project excludes CCTV and VDS cameras at the interchanges with I-20, SR 154/SR 166, and I-85. The cameras at I-10 and SR 154/SR 166 already exist. The cameras at I-85 will be installed under another project.

Four changeable message signs (CMS) are proposed for this project. All four will be 3' x 21' signs mounted on full span structures. The locations are as follows: 1) southbound, 1.0 mile north of Cascade Road; 2) southbound, 1.0 mile north of Camp Creek Parkway; 3) northbound, 1.7 miles south of SR 154/SR 166; 4) northbound, 0.9 mile north of Cascade Road. Ramp meters will be installed at the MLK, Jr. Drive, Cascade Road, SR 154, Camp Creek Parkway, and Washington Road interchanges on the northbound and southbound on-ramps.

David Studstill

Page 2

P. I. No. 713371, Fulton

September 1, 2005

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 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:

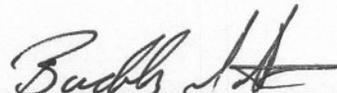
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$11,518,000	\$10,582,000	Q05	2006
Right-of-Way & Utilities	-0-	-0-		

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

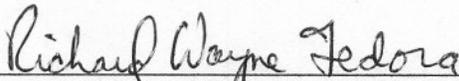
Attachment

CONCUR



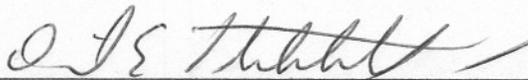
Buddy Gratton, P.E., Director of Preconstruction

APPROVE

for 

Robert M. Callan, Administrator, FHWA

APPROVE



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

SCORING RESULTS AS PER TOPPS 2440-2

Project Number: CM-285-1(377)		County: Fulton		PI No.: 713371	
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"/> 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	
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

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CM-285-1(377) Fulton
P.I. No. 713371
I-285 ATMS

OFFICE: Engineering Services

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	\$10,470,500
Inflation	\$0.00
E & C	\$1,047,050
Reimbursable Utilities	\$0.00
Right of Way	\$0.00

REW

c: Keith Golden, Attn.: Jim Tolson

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: CM-285-1(377), FULTON COUNTY

P. I. NO. 713371

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: January 9, 2006

Project CM-285-1(377) is an expansion of the GDOT NaviGator System on I-285 from the I-85 interchange to the I-20 interchange in Fulton County. 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. Four 3 x 21 LED DMS full-span signs are proposed at the following locations:

1. Southbound, 1 mile north of Cascade Road
2. Southbound, 1 mile north of Camp Creek Parkway
3. Northbound, 1 mile south of SR 154/166
4. Northbound, 0.9 mile north of Cascade Road

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

PROJECT CONCEPT REPORT

CM-285-1(377)
FULTON COUNTY
P.I. NO. 713371

FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407

*ATMS/I-285 Communication/Surveillance from I-85 S
to I-20 W in Fulton County*

Recommendation for approval:

DATE 8-9-05



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 Transportation Financial Management Administrator

DATE _____

State Environmental / Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

PROJECT LOCATION MAPS

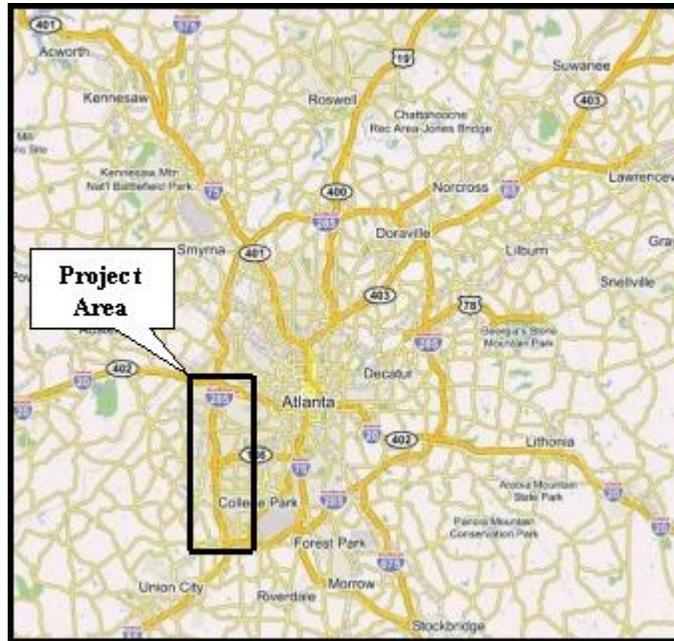


Figure 1: Location of Project Area in Fulton County

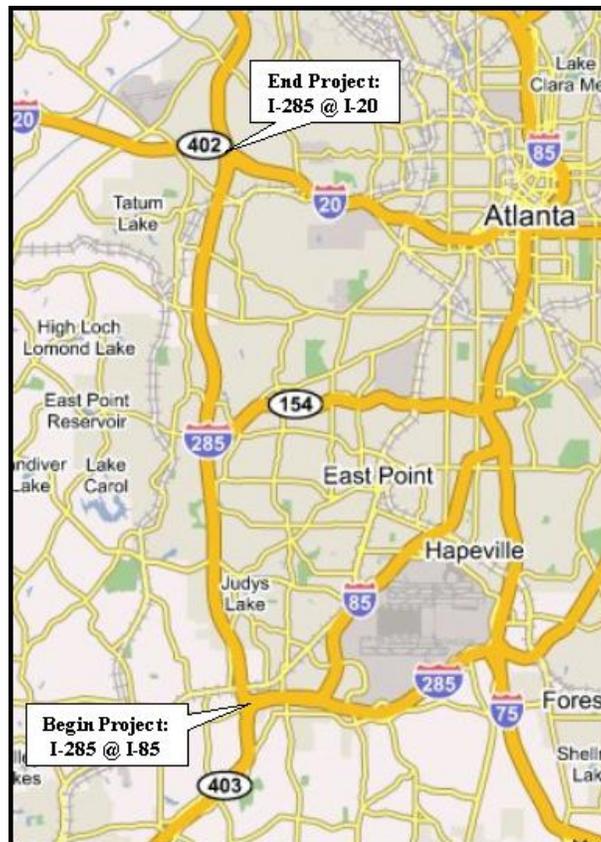


Figure 2: Detail Map of Project Area

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 in Fulton County, from the interchange with I-285 to the interchange with I-20. 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. In turn, CMS will be installed to allow NaviGator operators to communicate roadway condition information to drivers. NaviGator equipment will be installed on both directions of I-285. The existing NaviGator equipment on I-285 at the interchanges with I-20 and SR 154/166 will be supplemented with additional devices.

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 G, R and K.

This project will extend the fiber optic trunk line along I-285 using the existing Hubs G, R and K. The fiber optic trunk line will be located on both the northbound and southbound sides of the freeway, as close to the back of the clear zone as possible. 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 devices and hub communications. Crossover links will be installed at Martin Luther King Drive, Cascade Road, Camp Creek Parkway, and Washington Rd to provide links between the northbound and southbound fiber optic cables.

CCTV

CCTV cameras will be designed to provide continuous coverage of I-285 within the project design area. 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. The poles or other mounting apparatus for the cameras are included in this project. This project excludes CCTV cameras at the interchanges with I-20, SR 154/166 and I-85. The cameras at I-20 and SR 154/166 already exist. The cameras at I-85 will be installed under another project.

VDS

VDS camera locations will be chosen to provide an average spacing of 1/3 mile along the project. The poles or other mounting apparatus for the cameras are included in this project. This project excludes vehicle detection cameras on the ramps to and from I-20, SR 154/166, and I-85. The detection for I-20 and SR 154/166 already exists. The cameras for I-85 ramps will be installed under another project.

CMS

Four 3 x 21 CMS mounted on full-span structures are proposed for this project. The locations are as follows:

- 1) Southbound, 1 mile north of Cascade Road
- 2) Southbound, 1 mile north of Camp Creek Parkway
- 3) Northbound, 1.7 miles south of SR 154/166
- 4) Northbound, 0.9 miles north of Cascade Road

Hubs

This project will use existing Hubs G (located at I-20), R (located at SR 154/166), and K (located at I-85) to serve as network connection points for the field devices installed on this project.

Ramp Meters

Ramp meters will be installed at the Martin Luther King Jr. Drive, Cascade Road, SR 154 (eastbound to northbound only), Camp Creek Parkway, and Washington Road interchanges on the northbound and southbound 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 (I-85 to Washington Rd)	126,820
I-285 (Washington Rd to Camp Creek Pkwy).....	126,630
I-285 (Camp Creek Pkwy to SR 154/166).....	126,220
I-285 (SR 154/166 to Cascade Rd).....	138,640
I-285 (Cascade Rd to MLK Jr. Dr.).....	138,640
I-285 (MLK Jr. Dr. to I-20)	104,440

Existing design features:

- Typical Sections:
 - *I-285: 4 lanes in each direction*
- Posted speed:
 - *I-285: 55 mph*
- Minimum Radius: *N/A*
- Maximum grade: *N/A*
- Major structures:
 - *Bridge at I-20 overpass*
 - *Bridge at Delmar Lane underpass*
 - *Bridge at Martin Luther King Jr. Drive underpass*
 - *Bridge at CXS RR overpass at*
 - *Bridge at Boulder Park Drive underpass*
 - *Bridge at Benjamin E. Mays Drive underpass*
 - *Bridge at Cascade Avenue underpass*
 - *Bridge at Mt Gilead Road underpass*
 - *Bridge at SR 154/ SRR166 overpass*
 - *Bridge at Greenbriar Parkway underpass*
 - *Bridge at N. Camp Creek Pkwy underpass*
 - *Bridge at Redwine Road underpass*
 - *Bridge at Camp Creek Parkway underpass*
 - *Bridge at Washington Road overpass*
 - *Bridge at Roosevelt Highway underpass*
 - *Bridge at CXS RR overpass*
- Major interchanges or intersections along the project:
 - *I-285 at I-20*
 - *I-285 at MLK Jr. Dr*
 - *I-285 at Cascade Rd*
 - *I-285 at SR 154/166*
 - *I-285 at Camp Creek Pkwy*
 - *I-285 at Washington Rd*
 - *I-285 at I-85*
- Existing length:

Total Project Length: 10.0 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:
 - CMS (4): *One located on the southbound side 1 mile north of Cascade Road, one on the southbound side 1 mile north of Camp Creek Parkway, one on the northbound side 1 mile south of SR 154/166, and one located on the northbound side 0.9 miles north of Cascade Road.*
 - 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, changeable message signs, and strain poles. Traffic pacing will be required during installation of CMS.*
- Design Exceptions to controlling criteria anticipated: *None*

	<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*
- 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 CMS, CCTV cameras, VDS camera, 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: *6-4-05*
- Initial Concept Meeting date and brief summary: *N/A*
- Concept meeting date and brief summary: *The Concept Meeting was held on July 8, 2005 with 11 people present. The draft Concept Report was presented. It was noted that the ramp from eastbound SR 154 to northbound I-285 should be metered if volumes warrant it. This was the only change recommended 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: *4 Months*
- Time to complete to purchase right of way: *N/A*

Other alternates considered:

Alternative #1: No Build

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

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(377)	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	10	\$ 200.00	\$ 2,000.00	
615-1200	Directional Bore, 5 IN	Lin Ft	6,400	\$ 30.00	\$ 192,000.00	
631-2463	LED Pixel CMS, Walk in, 3x21, 18 IN, Type B	Each	4	\$ 200,000.00	\$ 800,000.00	
631-8000	Testing	Lump	Lump	\$ 10,000.00	\$ 10,000.00	
632-0003	Changeable Message Sign, Portable, Type 3	Each	4	\$ 10,000.00	\$ 40,000.00	
638-1001	Str Support for Overhead Sign	Lump	Lump	\$ 60,000.00	\$ 60,000.00	
638-1001	Str Support for Overhead Sign	Lump	Lump	\$ 60,000.00	\$ 60,000.00	
638-1001	Str Support for Overhead Sign	Lump	Lump	\$ 60,000.00	\$ 60,000.00	
638-1001	Str Support for Overhead Sign	Lump	Lump	\$ 60,000.00	\$ 60,000.00	
639-4004	Strain Pole, Type IV	Each	77	\$ 3,600.00	\$ 277,200.00	
641-1200	Guardrail, TP W	Lin Ft	1,000	\$ 13.00	\$ 13,000.00	
641-5001	Guardrail Anch, TP 1	Each	8	\$ 450.00	\$ 3,600.00	
641-5012	Guardrail Anch, TP 12	Each	8	\$ 1,400.00	\$ 11,200.00	
647-2150	Pullbox, PB-5	Each	91	\$ 1,300.00	\$ 118,300.00	
682-9040	Electrical Communication Box, TP 6	Each	135	\$ 3,250.00	\$ 438,750.00	
682-6222	Conduit, Nonmetl, TP 2, 2 IN	Lin Ft	16,800	\$ 6.00	\$ 100,800.00	
682-6231	Conduit, Nonmetl, TP 3, 2 IN	Lin Ft	14,000	\$ 4.00	\$ 56,000.00	
682-6520	Fiberglass, 2 IN	Lin Ft	2,500	\$ 45.00	\$ 112,500.00	
682-7065	Duct Bank, Type 3	Lin Ft	105,700	\$ 20.00	\$ 2,114,000.00	
935-1113	Outside Plant Fiber Optic Cable, Loose Tube, SM, 24 Fiber	Lin Ft	96,000	\$ 2.00	\$ 192,000.00	
935-1118	Outside Plant Fiber Optic Cable, Loose Tube, SM, 144 Fiber	Lin Ft	132,000	\$ 5.50	\$ 726,000.00	
935-1119	Outside Plant Fiber Optic Cable, Loose Tube, SM, 288 Fiber	Lin Ft	132,000	\$ 5.50	\$ 726,000.00	
935-1513	Outside Plant Fiber Optic Cable, Drop, SM, 24 Fiber	Lin Ft	13,500	\$ 3.50	\$ 47,250.00	
935-3103	Fiber Optic Closure, Underground, 24 Fiber	Each	72	\$ 600.00	\$ 43,200.00	
935-3108	Fiber Optic Closure, Underground, 144 Fiber	Each	8	\$ 1,000.00	\$ 8,000.00	
935-3403	Fiber Optic Cable, FDC (Rack Mounted), 24 Fiber	Each	90	\$ 750.00	\$ 67,500.00	
935-3408	Fiber Optic Cable, FDC (Rack Mounted), 144 Fiber	Each	3	\$ 2,000.00	\$ 6,000.00	
935-4010	Fiber Optic Splice, Fusion	Each	2,952	\$ 50.00	\$ 147,600.00	
935-8000	Testing	Lump	Lump	\$ 13,000.00	\$ 13,000.00	
936-1001	CCTV System, Type B	Each	18	\$ 12,000.00	\$ 216,000.00	
936-8000	Testing	Lump	Lump	\$ 5,000.00	\$ 5,000.00	
936-8500	Training	Lump	Lump	\$ 2,000.00	\$ 2,000.00	
937-1000	Video Camera Sensor Assembly	Each	86	\$ 5,100.00	\$ 438,600.00	
937-3010	Video Detection System Processor, Type A	Each	70	\$ 12,000.00	\$ 840,000.00	
937-8000	Testing	Lump	Lump	\$ 12,000.00	\$ 7,500.00	
937-8500	Training	Lump	Lump	\$ 7,500.00	\$ 7,500.00	
939-1190	Video Encoder, Type A	Each	18	\$ 5,000.00	\$ 90,000.00	
939-1195	Video Decoder, Type A	Each	12	\$ 5,000.00	\$ 60,000.00	
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	3	\$ 15,000.00	\$ 45,000.00	
939-2232	GBIC Type B	Each	19	\$ 4,000.00	\$ 76,000.00	
939-2300	Field Switch, Type A	Each	90	\$ 4,000.00	\$ 360,000.00	
939-2301	Field Switch, Type B	Each	36	\$ 7,000.00	\$ 252,000.00	
939-4040	Type D Cabinet	Each	90	\$ 4,000.00	\$ 360,000.00	
939-5020	Electrical Power Service	Each	90	\$ 2,500.00	\$ 225,000.00	
939-8000	Testing	Lump	Lump	\$ 7,500.00	\$ 7,500.00	
939-8500	Training	Lump	Lump	\$ 7,500.00	\$ 7,500.00	
xxx-xxxx	Ramp Meter Equipment	Each	9	\$ 75,000.00	\$ 675,000.00	
Total Estimate					\$ 10,470,500.00	

Total Estimate:	\$ 10,470,500.00
Inflation:	0
10% E & C	\$ 1,047,050.00
Total Project Cost	\$ 11,517,550.00

PROJECTS IN AREA:

- 1. Interchange reconstruction I-285/I-20 West Side**
IM-0000-00(379)
P.I. 0000379
Long Range
- 2. HOV Lanes from I-20W to I-75N, PE 2008/CST**
MSL-0003-00(433)
P.I. 0003433
Long Range
- 3. Sound Barriers from I-85 to I-20**
MSL-0005-00(132)
P.I. 0005132
Long Range
- 4. Interchange Reconstruction at Washington Rd, PE 1988/CST**
IM-NH-285-1(284)
P.I. 712360
Long Range
- 5. Ramp Reconstruction I-285 South to I-20 West, PE 1995/CST (See attached Project Fact Sheet)**
IM-285-1(350)
P.I. 713330
Long Range
- 6. I-285 ATMS from I-20W to I-75 N**
CM-285-1(361)
P.I. 713370,
Let Date: April 2005
- 7. I-285 ATMS from I-85S to I-75 S**
CM-285-1(378)
P.I. 713372
- 8. I-20 from Fulton Industrial Blvd to I-285, PE 2005/CST (See attached Project Fact Sheet)**
NH-IM-20-1(83)
P.I. 713630
Long Range
- 9. ATMS I-20 from SR 6 to I-285 (See attached Project Fact Sheet)**
NH-20-1(86)
P.I. 714080

10. I-20 Noise Barriers from Fulton Ind Blvd to H.E. Holmes (See attached Project Fact Sheet)

NH-7141-00(150)

P.I. 714115

Let Date April 2005

11. I-285 from I-85 to Orchard Rd, Resurfacing

NHS-M001-00(534)

P.I. M001534

Under Construction

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: CM-285-1(377), FULTON COUNTY P. I. NO. 713371

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: _____

Project CM-285-1(377) is an expansion of the GDOT NaviGator System on I-285 from the I-85 interchange to the I-20 interchange in Fulton County. 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. Four 3 x 21 LED DMS full-span signs are proposed at the following locations:

1. Southbound, 1 mile north of Cascade Road
2. Southbound, 1 mile north of Camp Creek Parkway
3. Northbound, 1 mile south of SR 154/166
4. Northbound, 0.9 mile north of Cascade Road

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.

SCORING RESULTS AS PER TOPPS 2440-2

Project Number: CM-285-1(377)		County: Fulton		PI No.: 713371		
Report Date:						
<input checked="" type="checkbox"/> CONCEPT			Concept By: DOT Office: Traffic Safety and Design			
Consultant: TransCore ITS						
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 checked="" type="checkbox"/> ATMS <input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous		
FOCUS AREAS	SCORE	RESULTS				
Presentation						
Judgment						
Environmental						
Right of Way						
Utility						
Constructability						
Schedule						

PROJECT FACT SHEET

PROJECT DEFINITION

Short Title I-20 WEST FROM SR 6 (THORNTON ROAD) TO I-285 WEST - INCLUDES INTERCHANGE AND RAMP RECONSTRUCTION AND ASSOCIATED 6-LANE COLLECTOR/DISTRIBUTOR SYSTEM

GDOT Project No. 713330

Status Programmed

Detailed Description and Justification This project will reconstruct the interchange and its associated on/off ramps at I-285 West and I-20 West on the western side of the Atlanta region. Also included is a six lane collector-distributor system from the actual interchange to Thornton Road for a total of about 3 miles.

Service Type Interchange Capacity

Sponsor GDOT

Jurisdiction City of Atlanta

Completion Date 2014

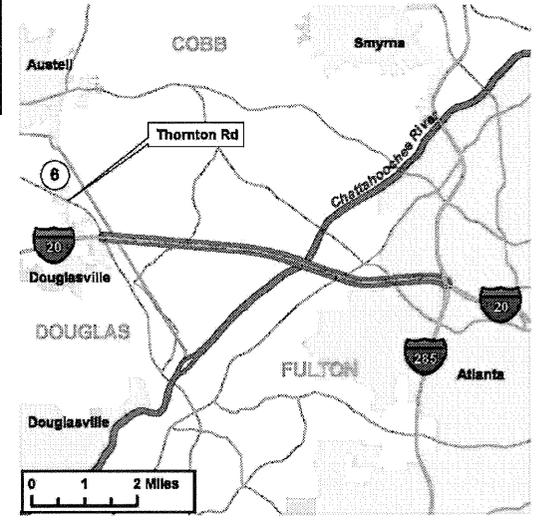
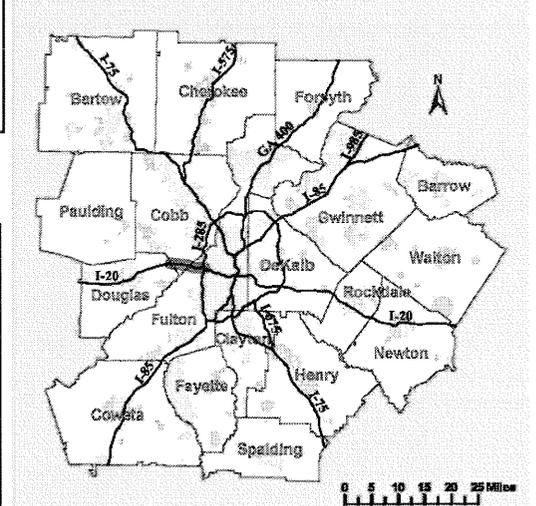
Existing Thru Lane N/A *(applicable for roadway projects only)*

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

Corridor Length 6.3 miles *(not applicable for all project types)*

Network Year 2015 *(required if modeled for conformity)*

Analysis Level In the Region's Air Quality Conformity Analysis



PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$6,890,000

Funded in Current TIP \$6,890,000 *(see table below for details)*

Primary Funding Source Q01 - Interstate Maintenance

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)	AUTH	\$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	2007	\$700,000	\$630,000	\$70,000	\$0	\$0
Construction / Implementation (Year 1)	LR 2011-2020	\$6,190,000	\$5,571,000	\$619,000	\$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-20 WEST FROM I-285 WEST TO SR 70 (FULTON INDUSTRIAL BOULEVARD) (INCLUDES 6-LANE COLLECTOR/DISTRIBUTOR)

GDOT Project No. 713630

Status Programmed

Detailed Description and Justification Addition of 4 auxiliary lanes (two in each direction) for 1 mile from the intersection of I-285 South and I-20 West to the SR 70-Fulton Industrial Boulevard exit. The additional lanes will ease the transition of traffic from the I-285 on-ramps to I-20 West.

Service Type Roadway Capacity

Sponsor GDOT

Jurisdiction City of Atlanta

Completion Date 2014

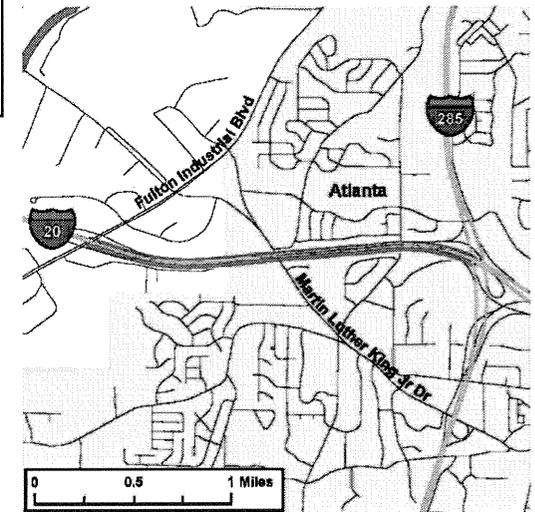
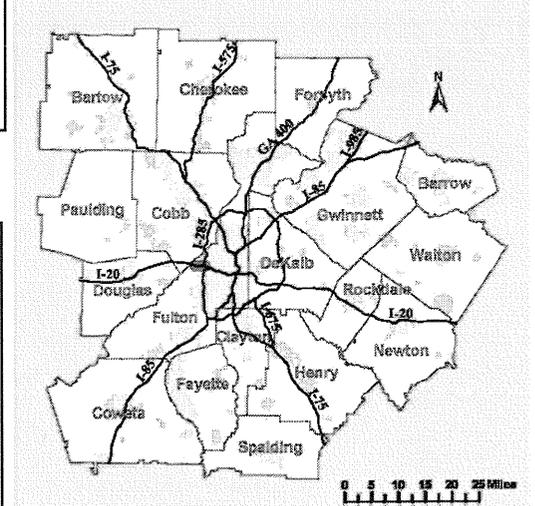
Existing Thru Lane 8 *(applicable for roadway projects only)*

Planned Thru Lane 10 *(applicable for roadway projects only)*

Corridor Length 2.1 miles *(not applicable for all project types)*

Network Year 2015 *(required if modeled for conformity)*

Analysis Level In the Region's Air Quality Conformity Analysis



PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$20,250,000

Funded in Current TIP \$20,250,000 *(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	2007	\$7,500,000	\$6,000,000	\$1,500,000	\$0	\$0
Construction / Implementation (Year 1)	LR 2011-2020	\$12,600,000	\$10,080,000	\$2,520,000	\$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-20 WEST NOISE BARRIERS FROM FULTON INDUSTRIAL BOULEVARD TO SR 280-H.E. HOLMES DRIVE

GDOT Project No. 714115

Status Programmed

Detailed Description and Justification Addition of sound barrier walls along freeway right-of-way from Fulton Industrial Boulevard to SR 280-H.E. Holmes Drive. (Side of freeway to be determined.)

Service Type Other

Sponsor GDOT

Jurisdiction Multi-County

Completion Date 2007

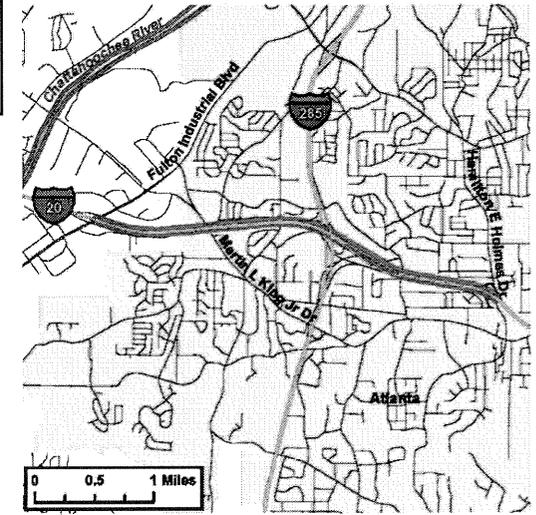
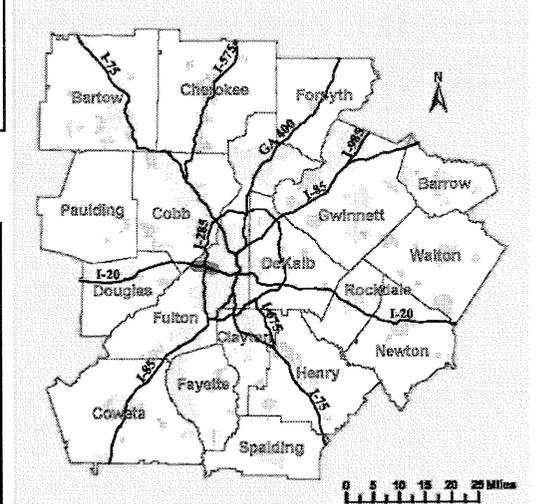
Existing Thru Lane N/A *(applicable for roadway projects only)*

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

Corridor Length 3.5 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 \$7,754,000

Funded in Current TIP \$7,754,000 *(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)	AUTH	\$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	\$7,754,000	\$6,203,200	\$1,550,800	\$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 NOISE BARRIERS FROM I-85 SOUTH TO I-20 WEST

GDOT Project No. 0005132

Status Long Range

Detailed Description and Justification None

Service Type Other

Sponsor GDOT

Jurisdiction Fulton (South)

Completion Date 2025

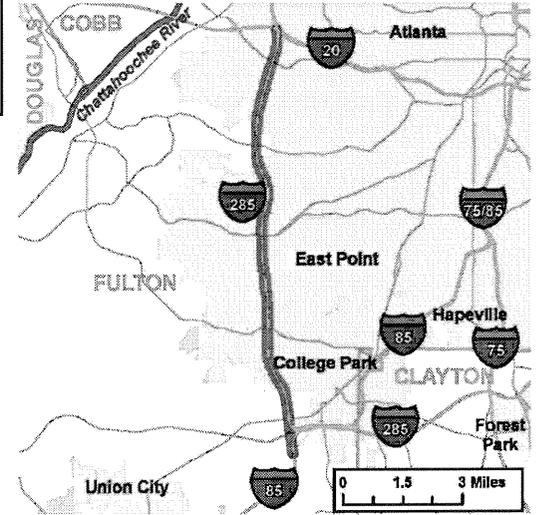
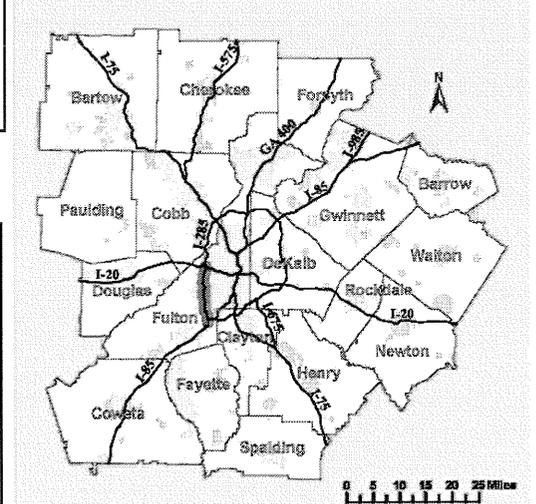
Existing Thru Lane N/A *(applicable for roadway projects only)*

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

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

Network Year 2025 *(required if modeled for conformity)*

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



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PLANNING AND IMPLEMENTATION DETAILS

Total Funding Commitment \$23,100,000

Funded in Current TIP \$23,100,000 *(see table below for details)*

Primary Funding Source FEDAID - 2011-2030

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)	LR 2021-2030	\$2,100,000	\$1,680,000	\$420,000	\$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)	LR 2021-2030	\$21,000,000	\$16,800,000	\$4,200,000	\$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-20 WEST ATMS COMMUNICATIONS / SURVEILLANCE FROM SR 6 (THORNTON ROAD) IN DOUGLAS COUNTY TO I-285 WEST IN CITY OF ATLANTA

GDOT Project No. 714080

Status Programmed

Detailed Description and Justification
The addition of fiber optic cable, surveillance cameras and changeable message signs from SR 6 to I-285.

Service Type ITS-Smart Corridor

Sponsor GDOT

Jurisdiction Multi-County

Completion Date 2007

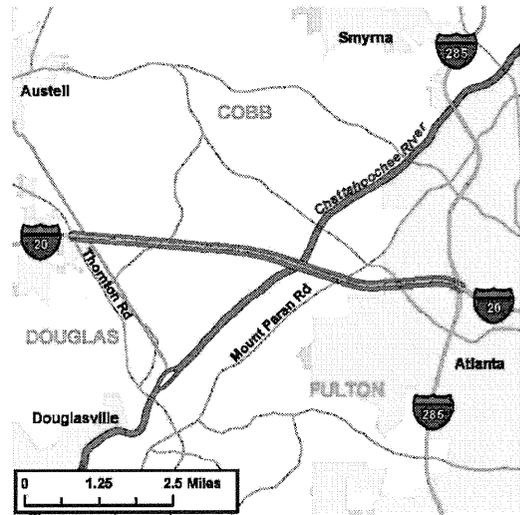
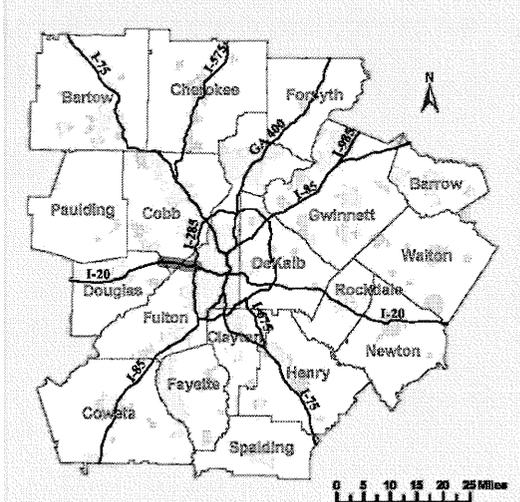
Existing Thru Lane N/A *(applicable for roadway projects only)*

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

Corridor Length 5.9 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 \$10,065,869

Funded in Current TIP \$10,065,869 *(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	\$9,915,869	\$7,932,695	\$1,983,174	\$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.



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

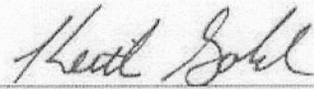
CM-285-1(377)
FULTON COUNTY
P.I. NO. 713371

FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407

*ATMS/I-285 Communication/Surveillance from I-85 S
to I-20 W in Fulton County*

Recommendation for approval:

DATE 8-9-05



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

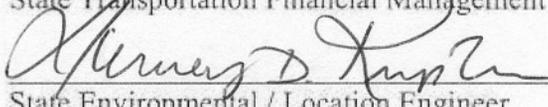
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE 8/24/05



State Environmental / Location Engineer

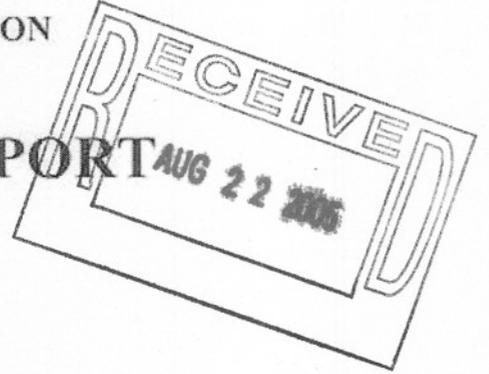
DATE _____

District Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT
CM-285-1(377)
FULTON COUNTY
P.I. NO. 713371



FEDERAL ROUTE NO: 285
STATE ROUTE NO: 407

*ATMS/I-285 Communication/Surveillance from I-85 S
to I-20 W in Fulton County*

Recommendation for approval:

DATE 8-9-05

Heath Gohl
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 8/18/05

Joseph P. Bell
State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental / Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer