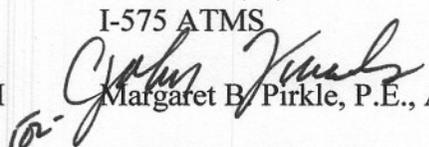


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 714090, Cherokee-Cobb Counties **OFFICE** Preconstruction
CM-575-1(34)
I-575 ATMS **DATE** September 9, 2005

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

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

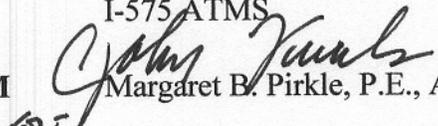
DISTRIBUTION:

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 714090, Cherokee County **OFFICE** Preconstruction
CM-575-1(34)
I-575 ATMS **DATE** June 24, 2005

FROM  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-575 from the I-75 interchange in Cobb County to the SR 92 interchange in Cherokee 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, I-285, I-575, 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 add a 144 fiber optic trunk line along I-575, tying into Hub "Z," 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" conduits. A 24 fiber cable trunk will be added in Cobb County, strictly between Barrett Parkway and Bells Ferry Road. The 24 fiber cable will be coiled at the ramps along I-575 for future splicing.

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 will include 19 color pan/tilt/zoom cameras and 34 black and white detection cameras (VDS).

Three changeable message signs (CMS) are proposed for this project. All three will be 3' x 21' signs mounted on full span structures. The locations are as follows: 1) southbound, 2/3 mile south of SR 92; 2) southbound, 1/2 mile south of Chastain Road; and 3) northbound, 1.0 mile north of Barrett Parkway. Ramp meters will be installed at the Barrett Parkway, Chastain Road, Bells Ferry Road, and SR 92 interchanges on the northbound and southbound on-ramps.

David Studstill

Page 2

P I. No. 714090

June 24, 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.

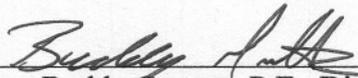
The estimated costs for this project are:

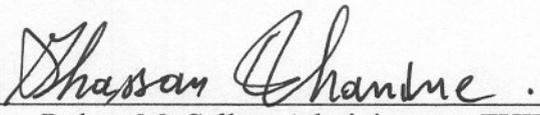
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$7,096,000	\$13,051,000	Q05	2006
Right-of-Way & Utilities	-0-	-0-		

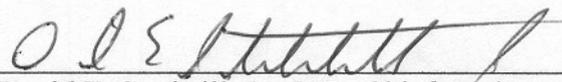
Expanding Navigator to this corridor will allow quicker detection and verification of incidents at the TMC, resulting in better information to travelers, quicker response by Highway Emergency Response Operators (HEROs), and improve highway safety. This project is in the STIP. I recommend this project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

Project Concept Report
Project Number: CM-575-1(34)
P.I. Number: 714090
County: Cobb and Cherokee

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

CM-575-1(34)
COBB & CHEROKEE COUNTIES
P.I. NO. 714090

FEDERAL ROUTE NO: NH-575-1, I-575
STATE ROUTE NO: 5, 417

ATMS/I-575 Communication/Surveillance from I-75/Cobb to SR 92/Cherokee

Recommendation for approval:

DATE 6-6-05 *Heidi Gold*
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 6/14/05 *Bruce K. Summers* *REU*
Project Review Engineer

Project Concept Report
Project Number: CM-575-1(34)
P.I. Number: 714090
County: Cobb and Cherokee

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

CM-575-1(34)
COBB & CHEROKEE COUNTIES
P.I. NO. 714090

FEDERAL ROUTE NO: NH-575-1, I-575
STATE ROUTE NO: 5, 417

ATMS/I-575 Communication/Surveillance from I-75/Cobb to SR 92/Cherokee

Recommendation for approval:

DATE 6-6-05



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

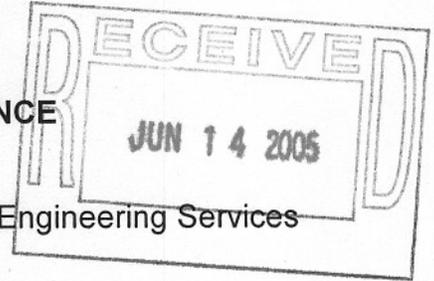
DATE _____
State Environmental / Location Engineer

DATE _____
District Engineer

DATE _____
Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE



FILE: CM-575-1(34) Cherokee
P.I. No. 714090
I-575 ATMS

OFFICE: Engineering Services

DATE: June 14, 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 June 10, 2005 from Keith Golden, and have no comments.

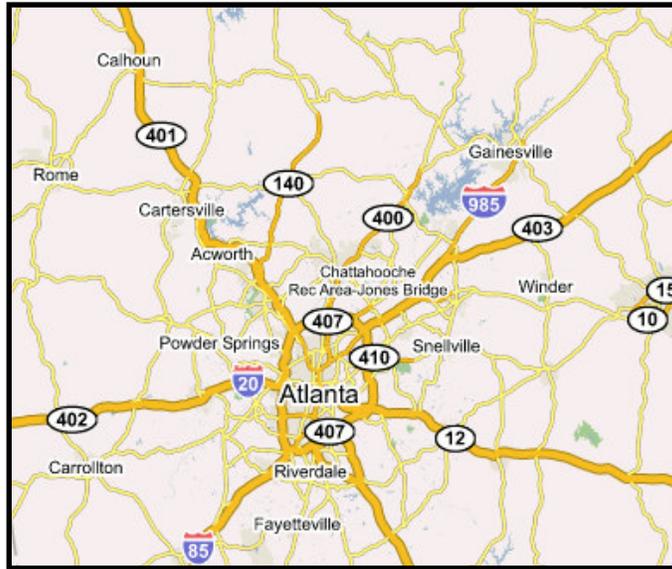
The costs for this project are:

Construction	\$6,450,300
Inflation	\$0.00
E & C	\$645,030
Reimbursable Utilities	\$0.00
Right of Way	\$0.00

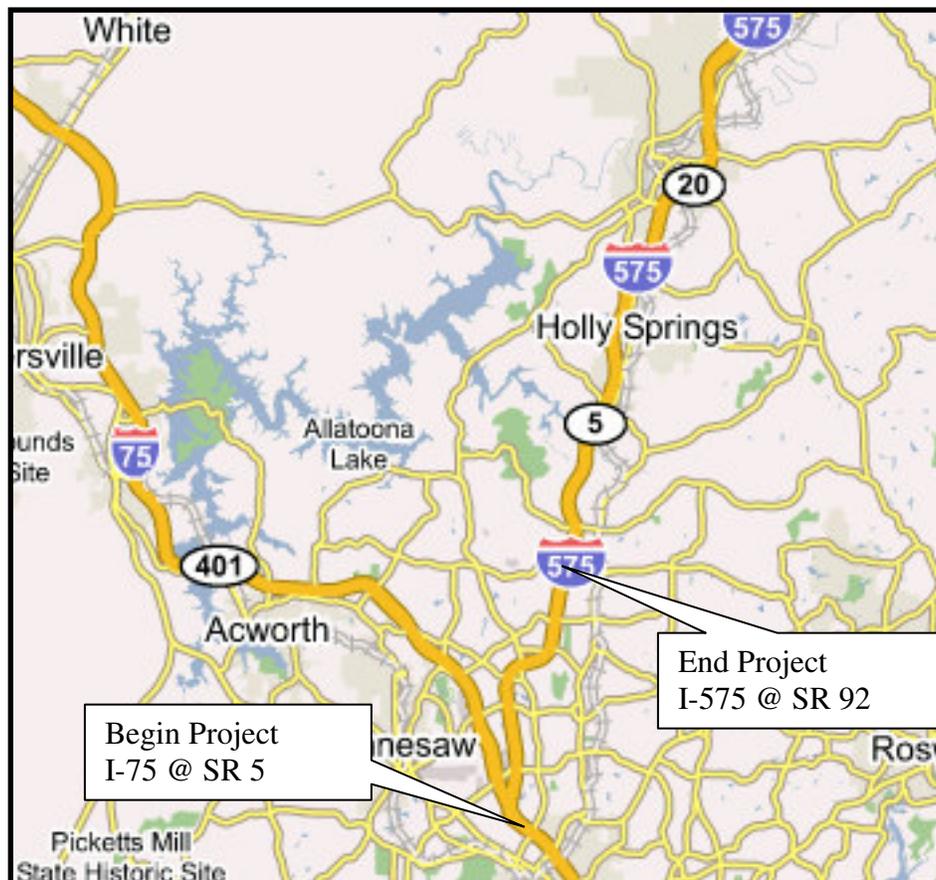
REW

c: Keith Golden, Attn.: Jim Tolson

PROJECT LOCATION MAPS



Location of Project in Cobb and Cherokee Counties



Need and Purpose:

The purpose of this project is to expand the NaviGator system in Cobb and Cherokee Counties, from the I-75 interchange in Cobb County to the State Route 92 interchange in Cherokee County, to provide coverage of I-575. The expansion of the NaviGator system in this region will help alleviate the congestion currently being experienced along this corridor during peak hours. These time savings will be accomplished by reducing incident response/clearance times, prevention of secondary accidents, and providing information to motorists of the conditions ahead.

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 surveillance cameras (CCTV), vehicle detection system (VDS) cameras, 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 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-575 (north) from I-75 to State Route 92, including installation of fiber optic cables from HUB "P", being partly in Cobb County and partly in Cherokee County. This work will assist in faster detection of incidents at the TMC, resulting in better information to travelers, quicker response by HEROs and improved highway safety.

Description of the proposed project:

Coverage

This project will include complete CCTV and VDS coverage necessary to provide roadway condition information to the NaviGator system. In turn, CMS are to be installed to allow NaviGator operators to communicate roadway condition information back to drivers. NaviGator equipment will be installed along I-575 from I-75 to State Route 92. This project will extend the fiber optic trunk line along Interstate 75 from I-75 South to SR 5 utilizing the existing Hub "P".

Communications Plan

This project will use the new ethernet communications architecture. The video from the project will be sent over this network, as opposed to the older analog method involving switches and multiplexers. All network electronics required to operate and communicate with the devices in this project are included as well. This project includes new field device connections to Hub "P" and Hub "Z".

A 144-fiber optic trunk line will be located on both 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 at other locations where it is not feasible to locate outside the paved shoulder. The trunk will be carried within continuous conduit duct banks, which will have 4-2" conduits. A 24-fiber cable trunk line will be added in Cobb County, strictly between Barrett Parkway and Bells Ferry Road. The 24-fiber cable will be coiled at the ramps along I-575 for future splicing.

CCTV

CCTV cameras will be designed to provide continuous coverage of I-575 within the project limits from S.R. 5 to S.R. 92, as well as coverage of the metered on-ramps. These cameras will be mounted on eighty-foot concrete poles located mainly off the shoulder of the highway at the back of the clear zone. However, where appropriate, some cameras may be mounted behind guardrail. This project will include approximately 19 color pan/tilt/zoom surveillance cameras with typical spacing approximately every 2/3 mile with cameras located as needed to provide interchange coverage as well as at ramp meter locations. The poles or other mounting apparatus for the cameras are included in this project.

VDS

VDS locations will be chosen to provide an average spacing of 1/2 mile along the project limits of I-575 from S.R. 5 to S.R. 92, as well as at each ramp meter location. These cameras will be mounted on eighty-foot concrete poles located mainly off the shoulder of the highway at the back of the clear zone. However, where appropriate, some cameras may be mounted on existing sign structures or behind guardrail. Thirty four (34) black-and-white vehicle detection cameras (VDS) are anticipated. The poles or other mounting apparatus for the cameras are included in this project.

Changeable Message Sign (CMS)

Three Changeable Message Signs are proposed for this project. All three will be 3 x 21 signs mounted on full-span structures. The locations are as follows: 1) Southbound, 2/3 mile south of State Route 92. 2) Southbound, 1/2 mile south of Chastain Road, and 3) Northbound, one mile north of Barrett Parkway.

Ramp Meters

Ramp Meters will be installed at the Barrett Parkway, Chastain Road, Bells Ferry Road, and State Route 92 interchanges on the northbound and southbound on-ramps. Each ramp meter will require one VDS camera as well as CCTV coverage at the ramp gore.

Hubs

This project includes a new hub building, Hub “Z”, which will serve as a network connection point for the field devices installed on this project. Hub “Z” will be located at S.R. 92.

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-575

State Route Number(s): SR 5, SR 417

Traffic (AADT):

Current Year (2005):	I-75 (HUB “P” to I-575)	262,850
	I-575 (I-75 to Chastain Rd)	81,870
	I-575 (Chastain Rd to Bells Ferry Rd)	99,450
	I-575 (Bells Ferry Rd to SR 92)	83,280

Existing design features:

- Typical Sections:
 - I-75: 5 lanes in each direction
 - I-575: 2 lanes in each direction
- Posted speed:
 - I-75: 65 mph
 - I-575: 65 mph
- Minimum Radius: N/A
- Maximum grade: N/A
- Major structures:
 - Bridge at Barrett Parkway overpass at I-575
 - Bridge at Noonday Creek overpass at I-575
 - Bridge at Big Shanty Road overpass at I-575
 - Bridge at Chastain Road underpass at I-575
 - Bridge at Booth Road underpass at I-575
 - Bridge at Shallowford Road underpass at I-575
 - Bridge at Bells Ferry Road overpass at I-575
 - Bridge at Hawkins Store Road overpass at I-575.
- Major interchanges or intersections along the project:
 - I-75 @ SR 5
 - I-75 @ I-575
 - I-575 @ Barrett Pkwy
 - I-575 @ Chastain Rd
 - I-575 @ Bells Ferry Rd
 - I-575 @ SR 92
- Existing length: I-75 from HUB P to I-575: 1.52 miles
I-575 to SR 92: 6.93 miles
Total Project Length: 8.45 miles

Proposed Design Features:

- Typical Sections:
 - I-75: Existing section to remain
 - I-575: Existing section to remain
- Posted speed:
 - I-75: 65 mph
 - I-575: 65 mph
- 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: *Located on the southbound side one mile south of SR 92, on the southbound side one mile north of Barrett Parkway, and northbound between Barrett Pkwy and Chastain Road.*
 - Strain Poles for CCTV and VDS
- Major intersections and interchanges:
 - I-75 @ SR 5
 - I-75 @ I-575
 - I-575 @ Barrett Pkwy
 - I-575 @ Chastain Rd
 - I-575 @ Bells Ferry Rd
 - I-575 @ SR 92
- 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 changeable message signs.*
- Design Exceptions to controlling criteria anticipated: *None 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 type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 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 CMS and CCTV cameras.*
- Meets Logical Termini Requirements: *Yes*
- Conforms to TIP/STIP: *Yes*

Project responsibilities:

- Design: *Gresham Smith and Partners 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: *2-17-05*
- 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: *GS&P to contact Cobb County to determine any needs they may have with regards to this project. ATMS to be designed to minimize future conflicts with the I-575 HOV 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 05, (for 714090-), and TIP No. A341, CM-575-1(34), Cobb & Cherokee County; P.I. No. 714090-; ATMS/ I-575 Communication/ Surveillance from I-75/ Cobb to SR 92/ Cherokee.*

Project Concept Report
Project Number: CM-575-1(34)
P.I. Number: 714090
County: Cobb and Cherokee

Attachments:

1. Cost Estimate including E & C
2. List of other projects in the area
3. Concept Report Rating Form

**ATMS/I-575 Communication/Surveillance from I-75/Cobb to SR 92/Cherokee
 CM-575-1(34), PI 714090
 Cobb and Cherokee Counties
 Quantities and Cost Summary
 Concept Cost Estimate**

Item Code	Description	Unit	Quantity	Engineer Estimate	
				Unit Price (\$)	Amount (\$)
150-1000	Traffic Control CM-575-1(34)	Lump	Lump		\$ 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	3,000	\$ 30.00	\$ 90,000.00
631-2463	LED Pixel CMS, Walk in, 3x21, 18 IN, Type B	Each	3	\$ 200,000.00	\$ 600,000.00
631-8000	Testing	Lump	Lump		\$ 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
639-4004	Strain Pole, Type IV	Each	36	\$ 3,600.00	\$ 129,600.00
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	160	\$ 1,300.00	\$ 208,000.00
682-9040	Electrical Communication Box, TP 6	Each	15	\$ 3,250.00	\$ 48,750.00
682-6222	Conduit, Nonmetl, TP 2, 2 IN	Lin Ft	1,000	\$ 6.00	\$ 6,000.00
682-6231	Conduit, Nonmetl, TP 3, 2 IN	Lin Ft	14,000	\$ 4.00	\$ 56,000.00
682-6520	Fiberglass, 2 IN	Lin Ft	800	\$ 45.00	\$ 36,000.00
682-7065	Duct Bank, Type Special	Lin Ft	75,000	\$ 20.00	\$ 1,500,000.00
797-2099	Hub Building, Fully Outfitted	Each	1	\$ 150,000.00	\$ 150,000.00
935-1113	Outside Plant Fiber Optic Cable, Loose Tube, SM, 24 Fiber	Lin Ft	20,000	\$ 2.00	\$ 40,000.00
935-1118	Outside Plant Fiber Optic Cable, Loose Tube, SM, 144 Fiber	Lin Ft	100,000	\$ 5.50	\$ 550,000.00
935-1513	Outside Plant Fiber Optic Cable, Drop, SM, 24 Fiber	Lin Ft	15,000	\$ 3.50	\$ 52,500.00
935-3103	Fiber Optic Closure, Underground, 24 Fiber	Each	47	\$ 600.00	\$ 28,200.00
935-3108	Fiber Optic Closure, Underground, 144 Fiber	Each	10	\$ 1,000.00	\$ 10,000.00
935-3403	Fiber Optic Cable, FDC (Rack Mounted), 24 Fiber	Each	47	\$ 750.00	\$ 35,250.00
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	2,648	\$ 50.00	\$ 132,400.00
935-8000	Testing	Lump	Lump		\$ 13,000.00
936-1001	CCTV System, Type B	Each	19	\$ 12,000.00	\$ 228,000.00
936-8000	Testing	Lump	Lump		\$ 5,000.00
936-8500	Training	Lump	Lump		\$ 2,000.00
937-1000	Video Camera Sensor Assembly	Each	34	\$ 5,100.00	\$ 173,400.00
937-3010	Video Detection System Processor, Type A	Each	32	\$ 7,000.00	\$ 224,000.00

937-8000	Testing	Lump	Lump		\$ 7,500.00
937-8500	Training	Lump	Lump		\$ 7,500.00
939-1190	Video Encoder, Type A	Each	19	\$ 10,000.00	\$ 190,000.00
939-1195	Video Decoder, Type A	Each	10	\$ 10,000.00	\$ 100,000.00
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	2	\$ 15,000.00	\$ 30,000.00
939-2232	GBIC Type B	Each	14	\$ 5,000.00	\$ 70,000.00
939-2300	Field Switch, Type A	Each	37	\$ 4,000.00	\$ 148,000.00
939-2301	Field Switch, Type B	Each	10	\$ 8,000.00	\$ 80,000.00
939-3020	Equipment Frame	Each	9	\$ 1,200.00	\$ 10,800.00
939-4040	Type D Cabinet	Each	44	\$ 5,000.00	\$ 220,000.00
939-5020	Electrical Power Service	Each	42	\$ 2,500.00	\$ 105,000.00
639-6000	Hub Uninterruptible Power Supply	Each	1	\$ 4,500.00	\$ 4,500.00
939-8000	Testing	Lump	Lump		\$ 7,500.00
939-8500	Training	Lump	Lump		\$ 7,500.00
xxx-xxxx	Ramp Meter Equipment	Each	8	\$ 75,000.00	\$ 600,000.00
Total Estimate					\$ 6,450,300.00

Total Estimate:	\$ 6,450,300.00
Inflation:	0
10% E & C	\$ 645,030.00
Total Project Cost	\$ 7,095,330.00

PROJECTS IN AREA:

- 1. I-575 from I-75 North to Sixes Road/Cherokee: HOV Lanes**
NH-575-1(28)
P.I. 713640
- 2. Auxiliary lanes between SR 92 and Towne Lake Parkway**
NH-IM-575-1(31)
P.I. 611250
Anticipated let date 2/05
- 3. I-75 North at I-575: Build HOV Interchange**
NHS-0001-00(919)
P.I. 0001919
- 4. Widening of Big Shanty Road**
P.I. 0006861
- 5. Park and Ride Lot**
P.I. 0006046
- 6. Clearing and Guardrail from I-75 to Pickens County Line**
CSNHS-M002-00(466)
P.I. M002466

SCORING RESULTS AS PER TOPPS 2440-2

Project Number: CM-575-1(34)		County: Cobb and Cherokee		PI No.: 714090		
Report Date:		Concept By: DOT Office: Traffic Safety and Design				
<input checked="" type="checkbox"/> CONCEPT		Consultant: Gresham Smith and Partners				
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						

NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT:CM-575-1(34) COBB AND CHEROKEE
COUNTIES**

P. I. NO. 714090

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-575-1(34) in Cobb and Cherokee Counties consists of expanding the NaviGator ATMS along I-575 from SR 5 in Cobb County to SR 92 in Cherokee County. This project will include complete CCTV and VDS coverage necessary to provide roadway condition information to the NaviGator system. In turn, CMS are to be installed to allow NaviGator operators to communicate roadway condition information back to drivers. This project will extend the fiber optic trunk line along Interstate 75 from I-75 South to SR 5 utilizing the existing Hub "P". In addition, a new Hub "Z" will be constructed at SR 92.

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
Wayne Shackelford Building
935 E. Confederate Ave.
Bldg. 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
Wayne Shackelford Building
935 E. Confederate Ave.
Bldg. 24
Atlanta, GA 30316
404.635.8139
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.

Project Concept Report
Project Number: CM-575-1(34)
P.I. Number: 714090
County: Cobb and Cherokee

Page 12

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT:CM-575-1(34) COBB AND CHEROKEE COUNTIES P. I. NO. 714090

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: SEPTEMBER 9, 2005

Project CM-575-1(34) in Cobb and Cherokee Counties consists of expanding the NaviGator ATMS along I-575 from SR 5 in Cobb County to SR 92 in Cherokee County. This project will include complete CCTV and VDS coverage necessary to provide roadway condition information to the NaviGator system. In turn, CMS are to be installed to allow NaviGator operators to communicate roadway condition information back to drivers. This project will extend the fiber optic trunk line along Interstate 75 from I-75 South to SR 5 utilizing the existing Hub "P". In addition, a new Hub "Z" will be constructed at SR 92.

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
Wayne Shackelford Building
935 E. Confederate Ave.
Bldg. 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
Wayne Shackelford Building
935 E. Confederate Ave.
Bldg. 24
Atlanta, GA 30316
404.635.8139
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.