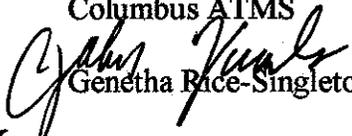


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 323000-, Muscogee County **OFFICE** Preconstruction
NH-OOTS(47)
Columbus ATMS **DATE** June 4, 2007

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

- Brian Summers
- Harvey Keepler
- Ken Thompson
- Jamie Simpson
- Michael Henry
- Keith Golden
- Angela Alexander (file copy)
- Babs Abubakari
- Thomas Howell
- BOARD MEMBER

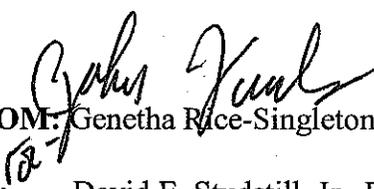
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 323000-, Muscogee County
NH-00TS (47)
Columbus ATMS

OFFICE: Preconstruction

DATE: May 30, 2007


FROM: Genetha Rice-Singleton, Assistant Director of Preconstruction

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

SUBJECT: PROJECT CONCEPT REPORT

This project is the installation of fiber optic communications cable and closed circuit television (CCTV) cameras along portions of Veteran's Parkway, 10th Street, 13th Street, 10th Avenue, Cusseta Avenue, and 11th Street in Columbus. The purpose of this project is to enable arterial traffic monitoring, signal control and quicker incident response along the corridors. This project is a companion project to the Regional Traffic Control Center (TCC) project. The proposed project will provide the communication cable and field devices that will interface with the Traffic Control Center. An Advanced Traffic Management System will allow for improved signal progression and traffic surveillance as well as the ability to control signal timing to effectively manage traffic backups to incidents along the roadway.

The Fiber optic cable will be installed along each route. The trunk cable along Veteran's Parkway, east along 10th Street and connecting to the signal shop will contain 144 fibers. The remaining routes will have 48 fiber cables. The master plan calls for twelve (12) closed circuit televisions (CCTV) cameras and eight (8) dynamic message signs (DMS) to be installed.

Environmental concerns include requiring a Categorical Exclusion be prepared; a Public hearing 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)	\$ 2,417,000	\$ 2,197,000	L050	LR
Right-of-way & utilities*	Local	Local		

P.I. No. 323000-, Muscogee County
May 30, 2007

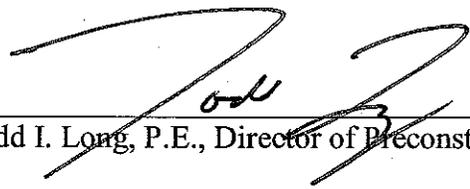
* Columbus signed PMA for Utilities and 100% PE; ROW and CST to be done by future agreements

I recommend this project concept be approved.

GRS: JDQ

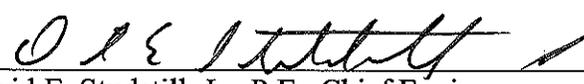
Attachment

CONCUR



Todd I. Long, P.E., Director of Reconstruction

APPROVED



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

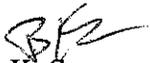
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: NH-00TS(47) Muscogee County
P.I. No. 323000
Columbus ATMS

OFFICE: Engineering Services

DATE: May 16, 2007

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

TO: Genetha Rice-Singleton Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report received May 7, 2007 from Jim Tolson, and have the following comment.

The cost figures in the Estimate Summary do not agree with Project Cost figures. They should be revised to agree. E&C should be added. Inflation should be removed from the cost estimate. It is now added by OFM.

The costs for this project are:

Construction	\$2,197,000
E & C	\$ 219,700
Reimbursable Utilities	\$ 0
Right of Way	\$ 0

BKS

c: Keith Golden, Attn.: Jim Tolson

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

PROJECT CONCEPT REPORT

Project Number: NH-00TS(47)

County: Muscogee

P. I. Number: 323000

Federal Route Number:

State Route Number:

Recommendation for approval:

DATE 5/4/07

DATE 5/4/07

James E. Tolson
Project Manager
Keith Solte
State Traffic Operations Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

District Engineer

DATE 5/16/07

Don [Signature]
Project Review Engineer

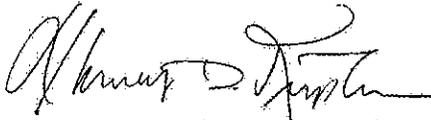
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 323000

OFFICE: Environment/Location

DATE: May 21, 2007



FROM: Harvey D. Keeper, State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT
NH-OOTS(47) / Muscogee County

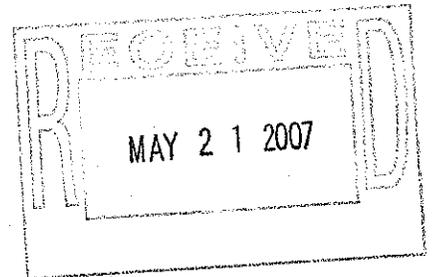
The above subject concept report has been reviewed. This Office has no comment at this time.

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers
Keith Golden
Angela Alexander
Jamie Simpson



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: NH-00TS(47)

County: Muscogee

P. I. Number: 323000

Federal Route Number:

State Route Number:

Recommendation for approval:

DATE 5/4/07

DATE 5/9/07

James E. Tolson
Project Manager
Keith Solte
State Traffic Operations Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Financial Management Administrator

DATE 5.18.07

Shirley D. Taylor
State Environmental/Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: NH-00TS(47)		County: Musoggee		PI No.: 323000	
Report Date: May 4, 2007		Concept By: DOT Office: Traffic Safety and Design			
<input checked="" type="checkbox"/> Concept Stage					
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

PROJECT CONCEPT REPORT

Project Number: NH-00TS(47)
County: Muscogee
P. I. Number: 323000

Federal Route Number:
State Route Number:

Recommendation for approval:

DATE 5/4/07

DATE 5/4/07

James E. Tolson
Project Manager
Keith Solde
State Traffic Operations Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Financial Management Administrator

DATE _____

DATE 5-10-07

[Signature]
State Environmental/Location Engineer

District Engineer

DATE _____

Project Review Engineer



Department of Transportation

HAROLD E. LINNENKOHL
COMMISSIONER
(404) 656-5206

DAVID E. STUDSTILL, JR., P.E.
CHIEF ENGINEER
(404) 656-5277

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

BUDDY GRATTON, P.E.
DEPUTY COMMISSIONER
(404) 656-5212

EARL L. MAHFUZ
TREASURER
(404) 656-5224

FILE NH-00TS(47), Muscogee OFFICE Thomaston
P.I. No. 323000
ATMS/Signal/CCTV/Fiber
In Columbus

DATE May 14, 2007

FROM David Millen

TO Johnny Quarles
W/Attachments

SUBJECT **Signed Concept Cover Sheet
W/Comments**

We have reviewed the concept report on the above project and concur with the recommendation for approval with the comments listed below:

Kerry Gore, District Utilities Engineer:

There will be utility involvement, especially "make ready" work. This cost is considered a reimbursable cost and is identified as a construction cost. There is no account in the estimate that covers "make ready" cost. Also, it is unclear who will be picking up this cost. I understand that the PMA says the City will pick up reimbursable utility cost, but generally this does not cover "make ready". The PMA will need to be specific. This needs to be clarified.

Mike England, District Traffic Operations Engineer:

We concur with the need and scope of this project. District Three will provide planning and technical comment in all stages of this developing project to ensure compliance with Department concepts for Rural ITS equipment and systems deployment. District Three will provide project plan review and comment and participate in the development of Memorandums of Understanding for center operations and project implementation to ensure integration and operation of the Muscogee/Columbus system into the Departments Navigator system.

DBM: cg

Attachment

cc: Thomas Howell
David Millen
Tom Queen
Mike England
Kerry Gore

S-7087
WBS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: NH-00TS(47)
County: Muscogee
P. I. Number: 323000

Federal Route Number:
State Route Number:

Recommendation for approval:

DATE 5/4/07

James E. Tolson
Project Manager

DATE 5/4/07

Keith Bolde
State Traffic Operations Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 5-10-07

James T. Simpson
State Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Project Number: NH-00TS(47)
County: Muscogee
P. I. Number: 323000

Federal Route Number:
State Route Number:

Recommendation for approval:

DATE 5/4/07

DATE 5/9/07

James E. Tolson
Project Manager
Keith Solte
State Traffic Operations Engineer

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

DATE 5/9/07

Angela S. Alexander
State Transportation Planning Administrator

DATE _____

State Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

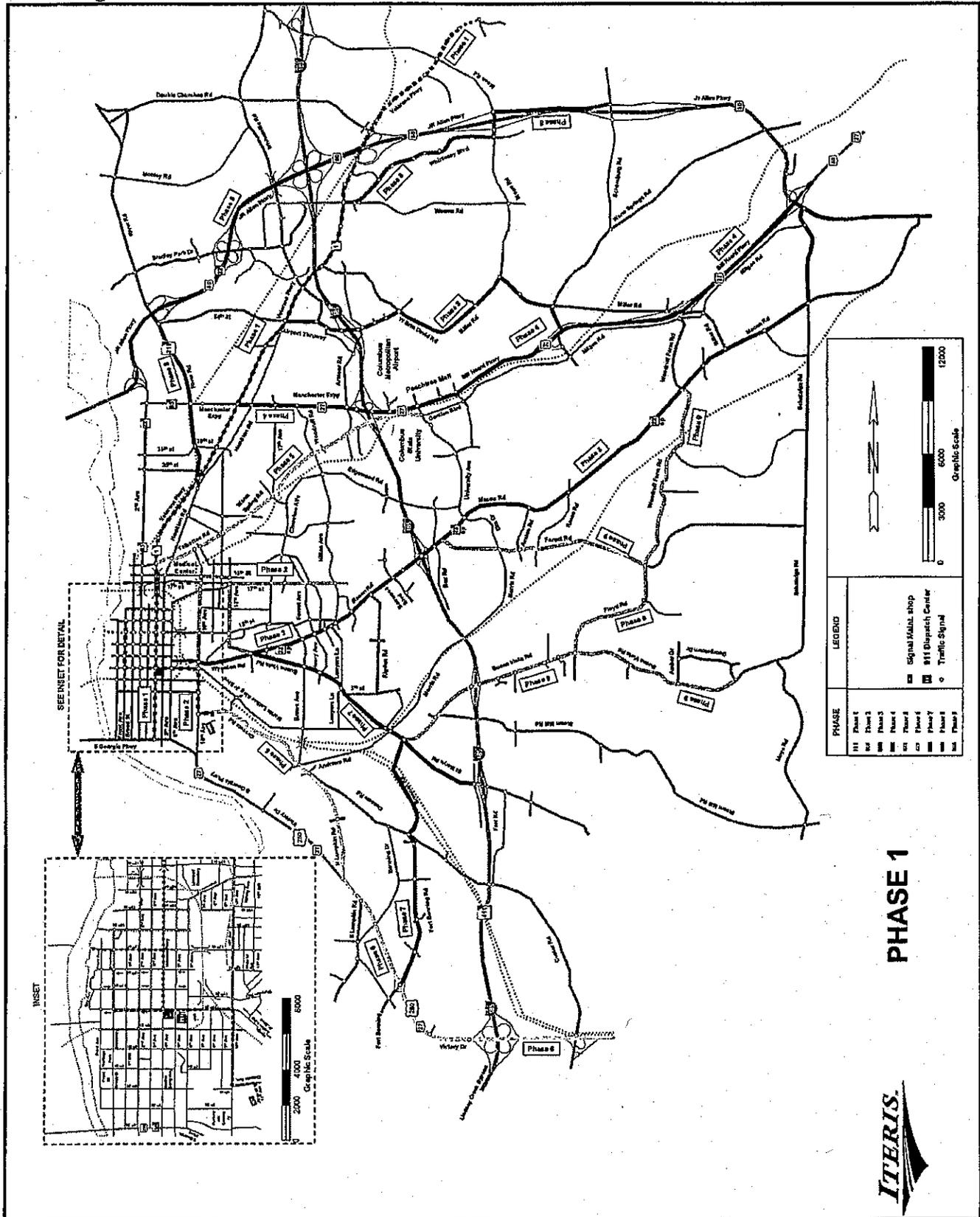
District Engineer

DATE _____

Project Review Engineer

Project Concept Report page 2
 Project Number: NH-00TS(47)
 P. I. Number: 323000
 County: Muscogee

Figure 1 – PROJECT LOCATION MAP



PHASE 1



Need and Purpose:

The City of Columbus, with a population of 185,000, is a regional center for insurance and bank card processing and for medical care. The area is also home to two U.S. Army infantry regiments at Fort Benning. With these and other urban activities, the area has significant travel demand that can not be accommodated fully by roadway construction.

In accordance with the Intermodal Transportation Efficiency Act of 1991 (ISTEA), the City developed a Congestion Management System. Within that process, some 270 miles of major roadway segments were examined. During the peak period, 20% of these roads were rated as marginal or worse.

The City identified a number of strategies to address congestion that can be accomplished without major capitol investment required of roadway widening. One of these strategies is to develop an Intelligent Transportation System. This project is the Advanced Traffic Management System (ATMS).

Description of the proposed project:

The Columbus Advanced Traffic Management System (ATMS) is a companion project to the Regional Traffic Control Center (TCC) project. This project will provide the communication cable and field devices that interface with the Traffic Control Center.

The location map on the previous page illustrates the routes that will be addressed in this project. This project will include the areas indicated as Phase 1. This area was identified in a City-Wide master Plan as the most important area to be first implemented.

This project will include the following routes (total of 11.8 miles):

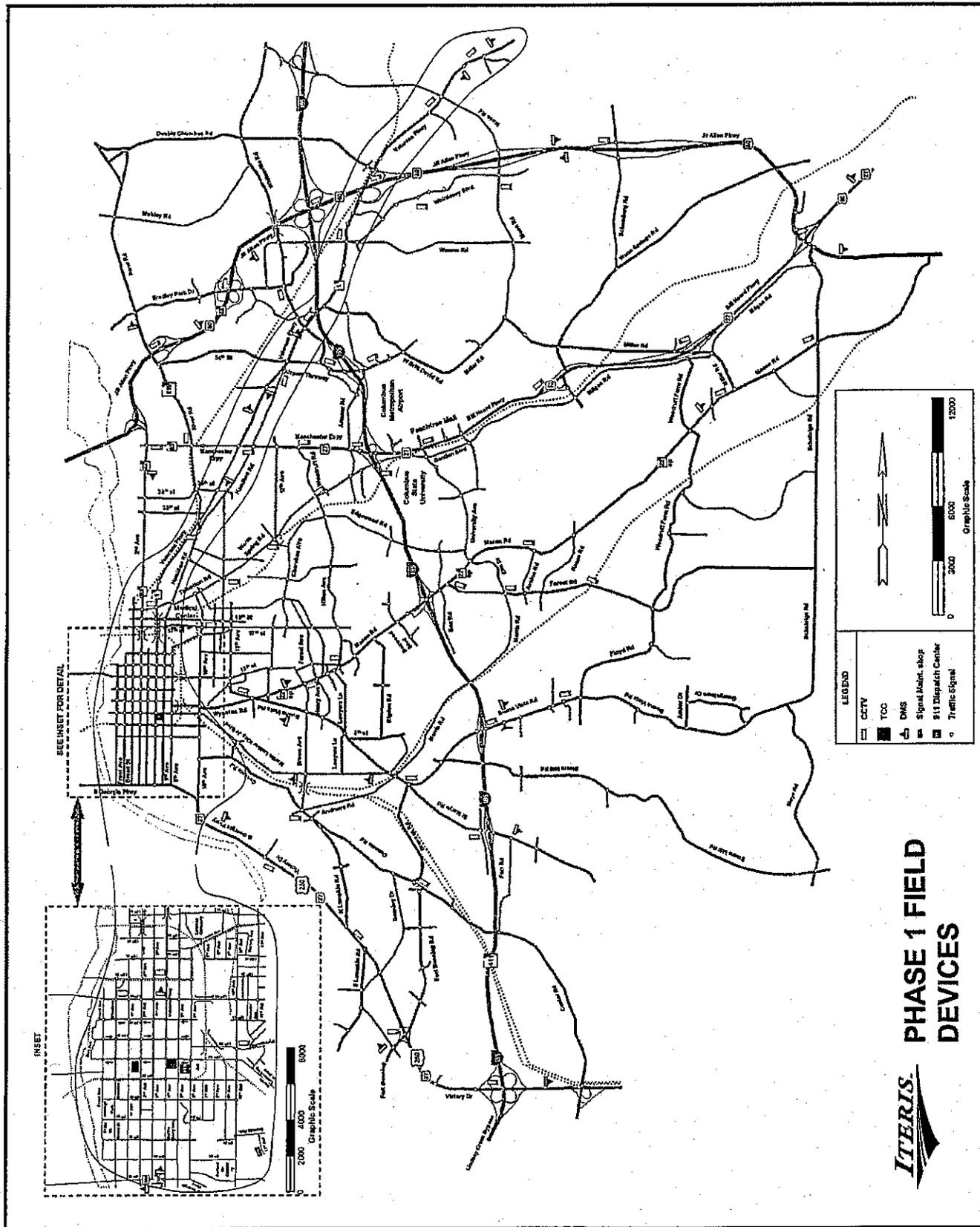
- Veteran's Parkway (US 27, GA 1) from South Georgia Parkway (US 27, US 280, GA 1) north to Hancock Road - 9.7 miles
- 10th Street from the Broadway east to 10th Avenue - 0.8 miles
- 13th Street from the Chattahoochee River east to Veteran's Parkway - 0.5 miles
- 10th Avenue from Cusseta Avenue north to 10th Street - 0.5 miles
- Cusseta Avenue from 10th Avenue east to 11th Avenue - 0.2 miles
- 11th Avenue from the traffic signal maintenance facility north to Cusseta Avenue - 0.1 miles

As a minimum, a fiber optic cable will be installed along each route. The trunk cable along Veteran's Parkway, east along 10th Street and connecting to the signal shop will contain 144 fibers. The remaining routes will have 48 fiber cables. A high-speed wireless data communication option will also be considered during the preliminary engineering phase.

Project Concept Report page 4
Project Number: NH-00TS(47)
P. I. Number: 323000
County: Muscogee

The master plan calls for twelve (12) closed circuit television (CCTV) cameras and eight (8) dynamic message signs (DMS) to be installed along the routes in Phase 1. The extent to which these field devices can be included in this project will be determined in the preliminary engineering phase with consideration to the available funding for the project. The project limits along with a depiction of potential field devices are illustrated in Figure 2 on the following page.

Figure 2 – PROJECT LIMITS SHOWING POTENTIAL FIELD DEVICES



Project Concept Report page 6
Project Number: NH-00TS(47)
P. I. Number: 323000
County: Muscogee

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

PDP Classification: Major _____ Minor X
Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: _____ N/A

U. S. Route Number(s): US 27, US 280

State Route Number(s): GA 1

Traffic (AADT):

Current Year: (2007) N/A Design Year: (2008) N/A

Existing design features:

- Typical Section: N/A
- Posted speed: N/A Maximum degree of curvature: N/A
- Maximum grade: N/A
- Width of right of way: N/A
- Major structures: N/A

- Major intersections along the project:
 - Veteran's Pkwy at South Georgia Pkwy
 - Veteran's Pkwy at 10th St
 - Veteran's Pkwy at 13th St
 - Veteran's Pkwy at Talbotton Rd
 - Veteran's Pkwy at Manchester Expwy
 - Veteran's Pkwy at Airport Thruway
 - Veteran's Pkwy at W Britt David Rd
 - Veteran's Pkwy at Whittlesey Blvd
 - Veteran's Pkwy at US 80 interchange
 - Veteran's Pkwy at Moon Rd

Proposed Design Features:

- Proposed typical section(s): N/A
- Proposed Design Speed Mainline: 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

- Environmental concerns: An environmental screening was performed for the project. The following is a list of general issues that are expected based on the initial screening:

Ecology – There are 2 to 3 streams along the project corridor, but any trenching that is necessary in the area of these streams will be adjacent to the road shoulder so there will not be any impacts on the streams. The location of the streams and stream buffers will be shown on the plans.

Archaeology – There are several listed sites along the project corridor. The only concern would be if trenching is required in these areas, and if so these will be addressed on a case by case basis with regards to the level of investigation required. But from the screening there aren't any readily apparent archaeological issues.

History – There are some individual resources and districts along the project corridor. Any resources that are adjacent to the project areas will be shown on the plans. The design will strive to minimize any impacts.

UST/Hazardous Waste – There are numerous gas stations and potential hazard waste sites along the project corridor. But again if the work remains within existing right-of-way and at the road shoulder there shouldn't be any issues with regards to impacts.

Public Land Uses – There are some parks along Veterans, but they shouldn't be an issue for NEPA as long as all work remains within the existing right-of-way.

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - GEPA Type B Letter ()
 - Categorical exclusion (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or Environmental Impact Statement (EIS) ().
- Utility involvements: N/A

Project responsibilities:

- Design: **Columbus Consolidated Government**
- Right of Way Acquisition: **None Required**
- Relocation of Utilities: **None Required**
- Letting to contract: **Georgia DOT**
- Supervision of construction: **Georgia DOT**
- Providing material pits: **N/A**
- Providing detours: **N/A**

Coordination

- Concept team meeting was held on March 20, 2007 (Minutes Attached)
- P. A. R. meetings, dates and results: **None Required**
- FEMA, USCG, and/or TVA: **N/A**

Project Concept Report page 9
Project Number: NH-00TS(47)
P. I. Number: 323000
County: Muscogee

- Public involvement. (*List coordination meetings with citizen groups, public officials, and public hearings and public information meetings. Give a brief summary of the significant meetings and the results and decisions as a result thereof.*): N/A
- Local government comments. (*Give a brief summary and attach minutes.*) None
- Other projects in the area: None
- Other coordination to date. None
- Railroads (*Discuss the ownership and future use of the railroad.*) Several railroad crossings will be necessary in the area of 10th St and 10th Ave.

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: N/A Months.
- Time to complete the Section 404 Permit: N/A Months.
- Time to complete final construction plans: 2 Months.
- Time to complete to purchase right of way: N/A Months.
- List other major items that will affect the project schedule:
 - Communication Control Board 3 Months.
 - Utility Coordination 3 Months
 - Railroad Approval 8 Months

Other alternates considered: (*Describe in summary and coordinate with environmental. If rejected ensure environmental is in agreement.*)

Alternate 1: Installation of fiber cable and field devices.

Alternate 2: Use of high-speed wireless data transmission in lieu of the fiber cable system.

Alternate 3: No Build

Comments: N/A

Attachments:

1. Cost Estimate
2. Concept Team Meeting Minutes

PROJECT CONCEPT COST ESTIMATE

PROJECT NUMBER: NH-00TS-(47)
 DATE: February 21, 2007
 PREPARED BY: Iteris, Inc.

COUNTY: Muscogee
 ESTIMATED LETTING DATE: 2008

()PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ()DURING PROJECT

PROJECT COST	
A. RIGHT-OF-WAY	
1. PROPERTY (LAND & EASEMENT)	\$0
2. DISPLACEMENT; RES: 0, BUS: 0, M.H.: 0	\$0
3. OTHER COST (ADM./COST, INFLATION, ETC)	\$0
SUBTOTAL: A	\$0
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$0
2. TRANSMISSION LINES	\$0
3. SERVICES	\$0
SUBTOTAL: B	\$0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	
a. OVERPASSES	\$0
b. OTHER	\$0
SUBTOTAL: C-1	\$0
2. GRADING AND DRAINAGE	
a. EARTH WORK	\$0
b. DRAINAGE	\$0
SUBTOTAL: C-2	\$0
3. BASE AND PAVING	
a. 8" GR AGGR BASE CRS -	\$0
b. ASPHALT PAVING	\$0
SUBTOTAL: C-3	\$0
4. LUMP ITEMS	
a. TRAFFIC CONTROL	\$80,000
b. CLEARING AND GRUBBING	\$0
c. GRASSING	\$0
d. EROSION CONTROL	\$0
SUBTOTAL: C-4	\$0
5. SIGNAL INSTALLATIONS: NONE	
SUBTOTAL: C-5	\$0
6. ATMS (SEE ATTACHED ATMS COST ESTIMATE FOR DETAILS)	
a. SIGNAL COMMUNICATIONS	\$1,897,000
b. CCTV CAMERA SYSTEMS	\$220,000
c. TCC UPGRADES	\$0
SUBTOTAL: C-6	\$2,197,000

DEV

Project Concept Report page 11
 Project Number: NH-00TS(47)
 P. I. Number: 323000
 County: Muscogee

PROJECT COST	
7. MISCELLANEOUS ITEMS:	
a. SIGNING & STRIPING	\$0
b. FIELD OFFICE	\$0
	SUBTOTAL: C-7
8. SPECIAL FEATURES: NONE	\$0
	SUBTOTAL: C-8

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	\$0
B. REIMBURSABLE UTILITIES:	\$0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	\$0
2. GRADING AND DRAINAGE	\$0
3. BASE AND PAVING	\$0
4. LUMP ITEMS	\$0 80,000
5. SIGNAL INSTALLATIONS:	\$0
6. ATMS	\$2,092,000 2,117,000
7. MISCELLANEOUS ITEMS	\$0
8. SPECIAL FEATURES	\$0
SUBTOTAL CONSTRUCTION COST	\$2,092,000 2,197,000
INFLATION (5% PER YEAR)	\$101,600 220,000
NUMBER OF YEARS:	5 4
TOTAL CONSTRUCTION COST	\$2,193,600
GRAND TOTAL PROJECT COST	\$2,193,600 2,417,000

This project is 100% in Muscogee County and GDOT District 3. 54 % of the project is in Congressional District No. 3 and 44% is in Congressional District 2.

Project Concept Report page 13
Project Number: NH-00TS(47)
P. I. Number: 323000
County: Muscogee

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: NH-00TS(47), MUSCOGEE COUNTY, P.I. NO. 323000

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: JUNE 4, 2007

Project NH-00TS(47) in Muscogee County consists of installing fiber optic communications for an advanced traffic management system (ATMS) along Veteran's Parkway, 10th St, 10th Avenue, 13th St, and 11th Ave in Columbus. The project will also install closed circuit TV cameras and dynamic message signs.

The ATMS system will allow for the monitoring of the operation of the traffic signals and traffic conditions along arterials. The system will also allow for incident detection and reaction.

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

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

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

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

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.