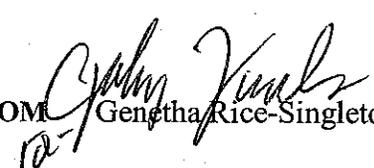


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 323005-, Muscogee County **OFFICE** Preconstruction  
NH00-00TS-00(048)  
Columbus Regional Traffic Control Center (TCC)

**DATE** February 27, 2009

**FROM**  Cynthia Rice-Singleton, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

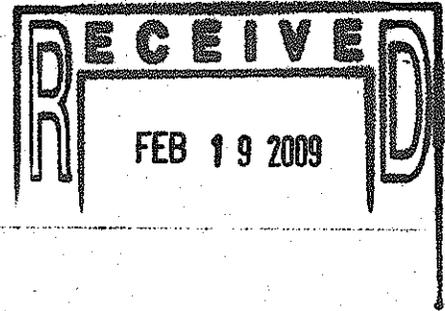
Attachment

**DISTRIBUTION:**

Ron Wishon  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Thomas Howell  
Paul Liles  
David Millen  
Stenley Mack  
BOARD MEMBER  
FHWA



Federal Highway Administration  
Georgia Division



Route Slip

Date: 2/17/09

Routing Symbol: **GDOT**  
Johnny Quarles

Per Your Request		For Your Signature
For Your Information		Comment
Per Our Conversation	XX	Take Appropriate Action
Note and Return		Prepare Reply for Signature of
Discuss With Me		For Your Use
For your Approval		

Remarks:

Project: NH00-00TS-00(048)  
Columbus Regional Traffic Control Center (TCC)  
Muscogee County

Once the concept report has been signed by the Chief Engineer, please forward a copy of the signature page to the FHWA Georgia Division Office for the project file.

Thank you,  
Christy

From: Telephone: (404) 562-3638

Routing Symbol: FHWA GA Division - PDT  
Christy Poon-Atkins

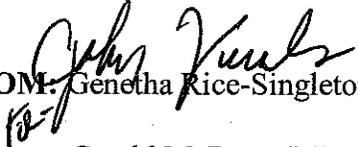
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** P.I. No. 323005-, Muscogee County  
NH00-00TS-00(048)  
Columbus Regional Traffic Control Center (TCC)

**OFFICE:** Preconstruction

**DATE:** January 26, 2009

  
**FROM:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO:** Gerald M. Ross, P.E., Chief Engineer

**SUBJECT: PROJECT CONCEPT REPORT**

This project is the expansion of Georgia DOT's Navigator system with the reconfiguration of a portion of the existing office space in the Government Annex Building in Columbus, Georgia located at 420 Tenth Street for a Traffic Control Center. In accordance with the Intermodal Transportation Efficiency Act of 1991 (ISTEA), the city developed a congestion Management System and identified a number of strategies to address congestion that can be accomplished without major capital investment required of roadway widening. Within that process, some 270 miles of major roadway segments were examined and during the peak period 20% of these roads were rated as marginal or worse.

The Columbus Regional Traffic Control Center (TCC) will provide the core communications and infrastructure for monitoring and operating the traffic system in the Columbus area. The space to be reconfigured is on the second floor of the Columbus Government Annex. The TCC system will allow the monitoring of the operation of the traffic signals and traffic conditions along arterials. This system will also allow for incident detection and reaction.

Environmental concerns include requiring a Categorical Exclusion be prepared; a Public hearing is not required; Time saving procedures is 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)	\$ 1,322,000	\$ 1,524,251	L050	2010 (proposed)
Right-of-way & utilities	-0-			

\* Columbus signed PMA for utilities and 100% construction > \$1210k

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR

*Y. H. Rice - Supt for Director*  
*Y. H. Rice - Supt*

Director of Preconstruction

APPROVED

*H. A. Love for DIVISION ADMINISTRATOR.*

Rodney A. Barry, P.E., Division Administrator FHWA

APPROVED

*G. M. Ross*

Gerald M. Ross, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office of Traffic Operations*

**PROJECT CONCEPT REPORT**

Project Number: NH000-00TS-00(048)

County: Muscogee

P. I. Number: 323005

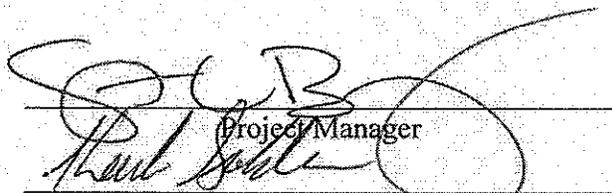
Federal Route Number: N/A

State Route Number: N/A

Recommendation for approval:

DATE 20 Jun 2008

DATE 6-30-08

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
State Traffic 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

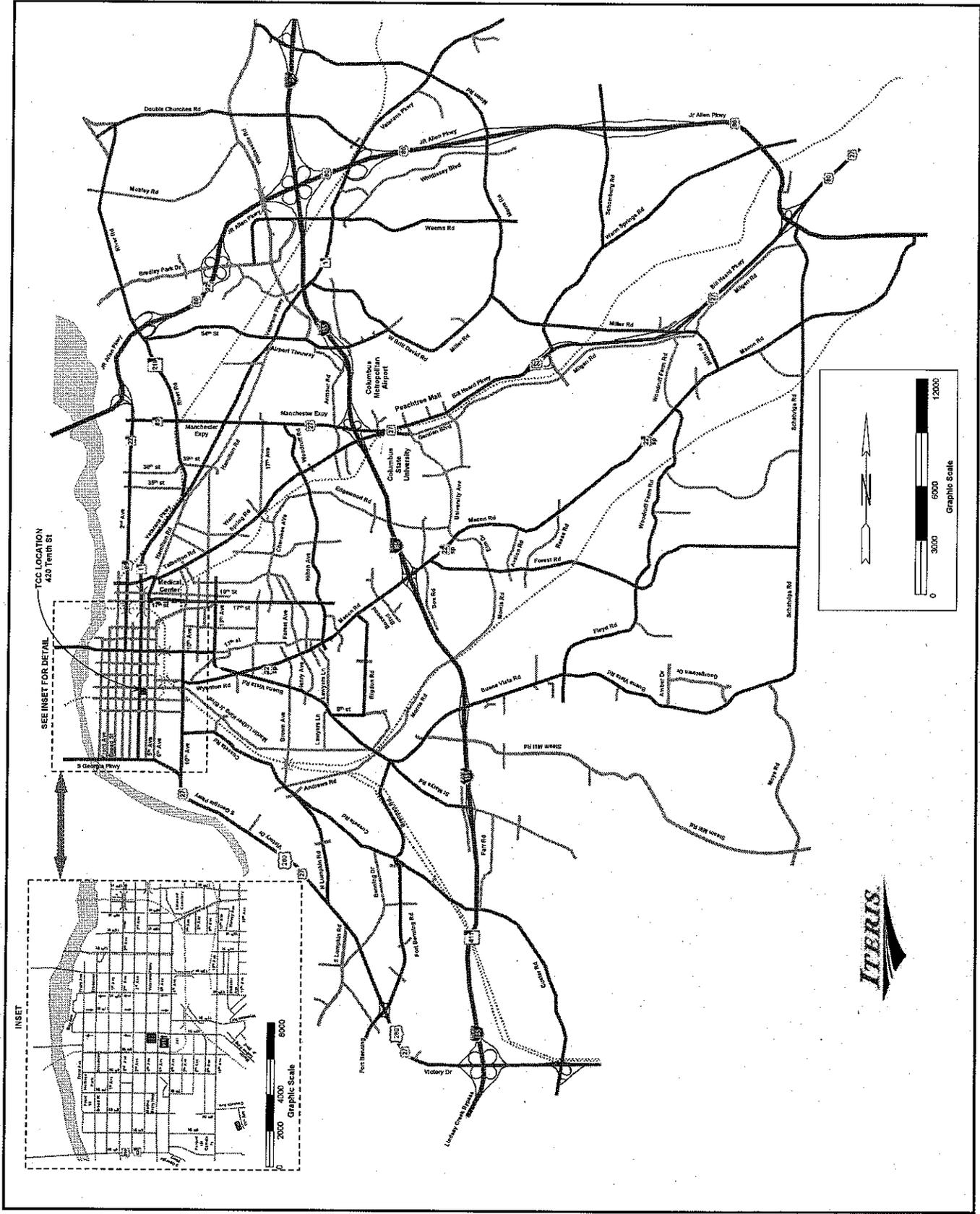
DATE \_\_\_\_\_

\_\_\_\_\_  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

Figure 1 – PROJECT LOCATION MAP



**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.

**Description of the proposed project:**

The Columbus Regional Traffic Control Center (TCC) will provide the core communications and infrastructure for monitoring and operating the traffic system in the Columbus Area. The purpose of this project is to reconfigure a portion of an existing city government office complex to serve as the TCC.

The space to be reconfigured is on the second floor of the Columbus Government Annex at 420 Tenth Street. The floor plan, on the following pages, shows the space to be reconfigured. The first illustration is the existing floor plan outlining the area to be reconfigured. The second drawing is an enlarged floor plan of the area to be reconfigured which shows the proposed layout of the planned TCC.

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

**PDP Classification:** Major \_\_\_\_\_ Minor X

**Federal Oversight:** Full Oversight (X), Exempt(), State Funded( ), or Other ( )

**Functional Classification:** \_\_\_\_\_ N/A

**U. S. Route Number(s):** N/A

**State Route Number(s):** N/A

**Traffic (AADT):** Current Year: (2007) \_\_\_\_\_ N/A Design Year: (2008) \_\_\_\_\_ N/A

**Existing design features:**

- Typical Section: N/A
- Posted speed: N/A Minimum Radius of curve: N/A
- Maximum grade: N/A
- Width of right of way: N/A
- Major structures: No new construction is required. The project does include reconfiguration of existing internal walls.
- Major intersections along the project: N/A
- Existing length of Roadway: N/A

**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
- Proposed Maximum grade driveway: N/A
- Proposed Maximum degree of curve: N/A                      Maximum degree allowable: N/A
- Right of way: Existing right-of-way width will remain
  - Width \_\_\_\_\_.
  - Easements: Temporary ( ), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( ), Other ( ).
  - Number of parcels: \_\_\_\_\_      Number of displacements:
    - Business: \_\_\_\_\_
    - Residences: \_\_\_\_\_
    - Mobile homes: \_\_\_\_\_
    - Other: \_\_\_\_\_

- Structures:
  - Bridges : N/A
  - Retaining walls : N/A
- Major intersections and interchanges: N/A
- Traffic control during construction: N/A
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	(X)
ROADWAY WIDTH:	( )	( )	(X)
SHOULDER WIDTH:	( )	( )	(X)
VERTICAL GRADES:	( )	( )	(X)
CROSS SLOPES:	( )	( )	(X)
STOPPING SIGHT DISTANCE:	( )	( )	(X)
SUPERELEVATION RATES:	( )	( )	(X)
HORIZONTAL CLEARANCE:	( )	( )	(X)
SPEED DESIGN:	( )	( )	(X)
VERTICAL CLEARANCE:	( )	( )	(X)
BRIDGE WIDTH:	( )	( )	(X)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(X)

- Design Variances: N/A
- Environmental concerns: An environmental screening was performed for the project. No environmental issues were recognized during the screening. The building is an Historical resource but is not an eligible resource.
- 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 Concept Report page 5  
Project Number: NH00-00TS-00(048)  
P. I. Number: 323005  
County: Muscogee

**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 meeting was held on 1/31/07
- P. A. R. meetings, dates and results: None Required
- FEMA, USCG, and/or TVA: N/A
- Public involvement.: N/A
- Local government comments. None
- Other projects in the area: None
- Other coordination to date. None
- Railroads None

**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 N/A Months

**Other alternates considered:**

Alternate 1: Reconfiguration of existing office space to construct a Traffic Control Center.

Alternate 2: No Build

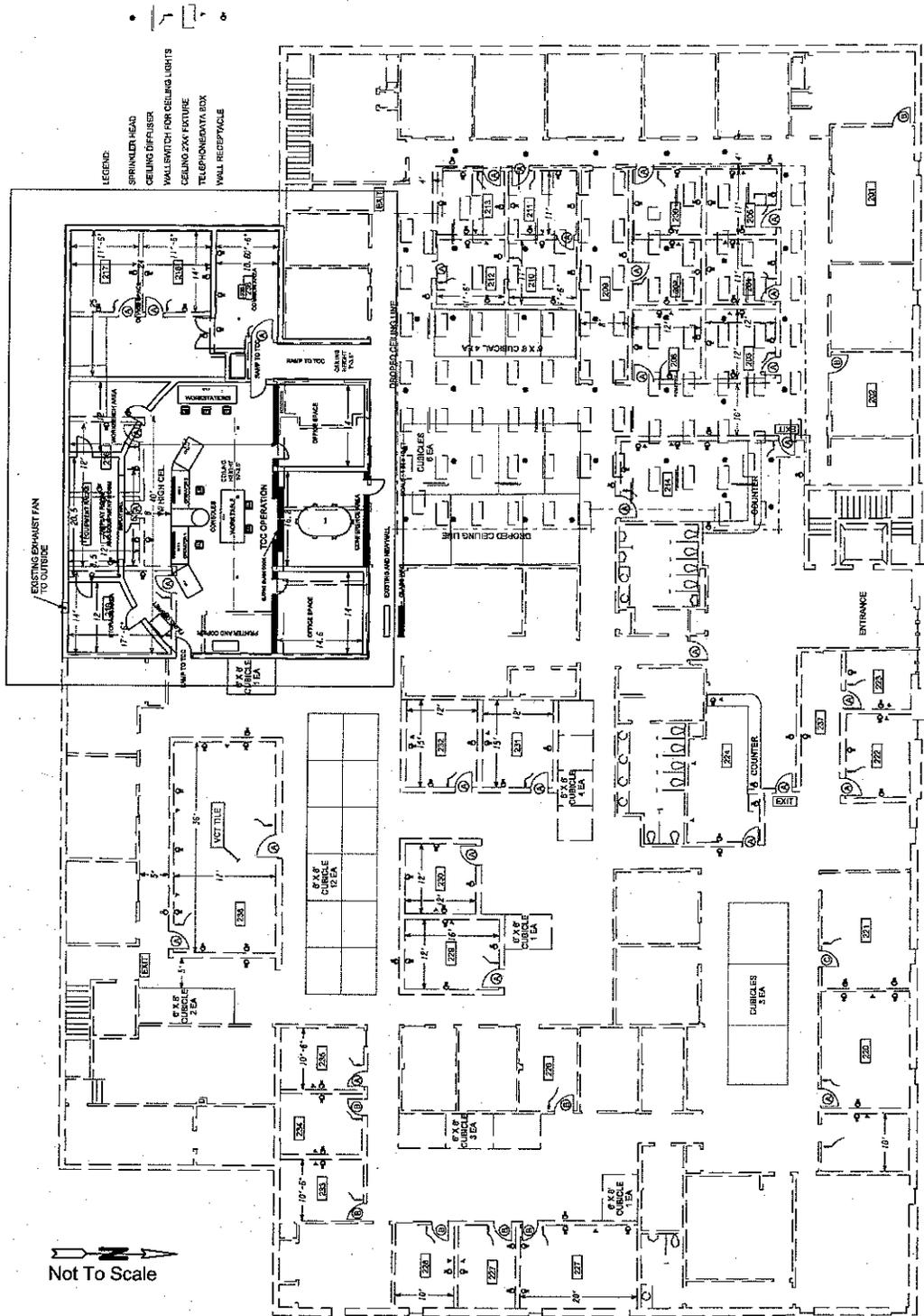
**Comments:** N/A

**Attachments:**

1. Existing 2<sup>nd</sup> Floor (showing area to be reconfigured for TCC)
2. Proposed TCC Floor Plan
3. Cost Estimate
4. Notice of Location and Design Approval
5. Concept Team Meeting Minutes
6. Project Framework Agreement (PFA)

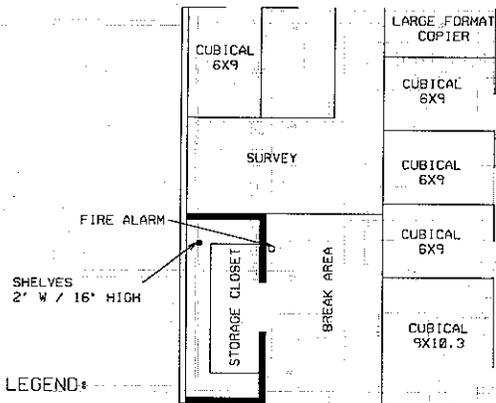
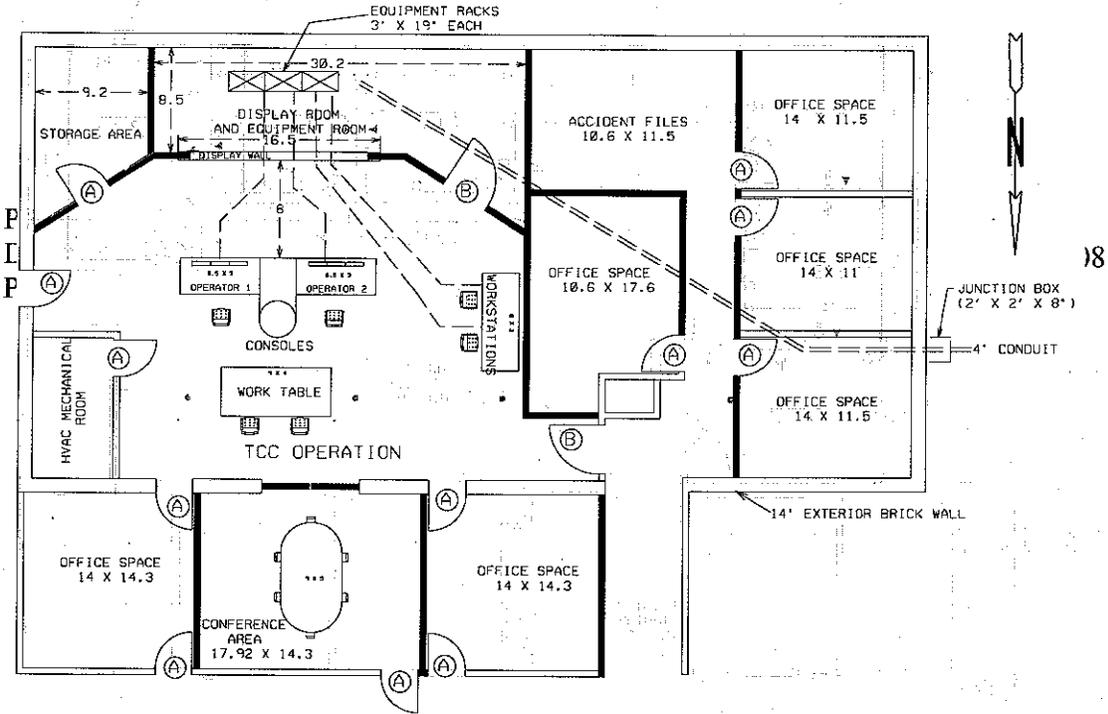
Project Concept Report  
 Project Number: NH00-00TS-00(048)  
 P. I. Number: 323005  
 County: Muscogee

Figure 2 - EXISTING 2<sup>nd</sup> FLOOR ( SHOWING AREA TO BE RECONFIGURED FOR TCC)



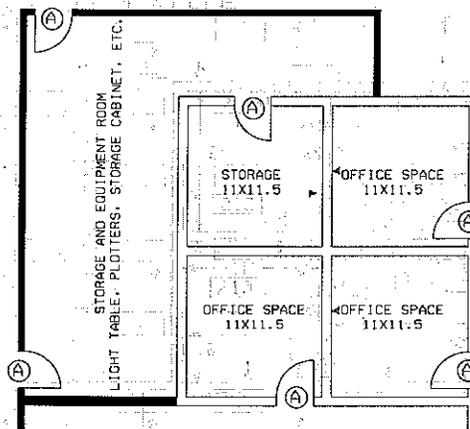
Project Concept Report  
 Project Number: NH00-00TS-00(048)  
 P. I. Number: 323005  
 County: Muscogee

Figure 3 - PROPOSED TCC FLOOR PLAN



LEGEND:

- NETWORK CABLE
- 4" CONDUIT
- GLASS DOOR
- PROPOSED WALL
- EXISTING WALL
- 3 FT DOOR
- 4 FT DOOR
- EXISTING SUPPORT POLES



REMOVE EXISTING WALL



SCALE 1" = 10'

**COLUMBUS TCC**

Project Concept Report  
 Project Number: NH00-00TS-00(048)  
 P. I. Number: 323005  
 County: Muscogee

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

<b>PROJECT COST</b>	
<b>A. RIGHT-OF-WAY</b>	
1. PROPERTY (LAND & EASEMENT)	\$0
2. DISPLACEMENT; RES: 0, BUS; 0, M.H.: 0	\$0
3. OTHER COST (ADM./COST, INFLATION, ETC)	\$0
<b>SUBTOTAL: A</b>	<b>\$0</b>
<b>B. REIMBURSABLE UTILITIES:</b>	
1. RAILROAD	\$0
2. TRANSMISSION LINES	\$0
3. SERVICES	\$0
<b>SUBTOTAL: B</b>	<b>\$0</b>
<b>C. CONSTRUCTION:</b>	
1. MAJOR STRUCTURES	
a. OVERPASSES	\$0
b. OTHER	\$0
<b>SUBTOTAL: C-1</b>	<b>\$0</b>
2. GRADING AND DRAINAGE	
a. EARTH WORK	\$0
b. DRAINAGE	\$0
<b>SUBTOTAL: C-2</b>	<b>\$0</b>
3. BASE AND PAVING	
a. 8" GR AGGR BASE CRS -	\$0
b. ASPHALT PAVING	\$0
<b>SUBTOTAL: C-3</b>	<b>\$0</b>
4. LUMP ITEMS	
a. TRAFFIC CONTROL	\$0
b. CLEARING AND GRUBBING	\$0
c. GRASSING	\$0
d. EROSION CONTROL	\$0
<b>SUBTOTAL: C-4</b>	<b>\$0</b>
5. SIGNAL INSTALLATIONS: NONE	
<b>SUBTOTAL: C-5</b>	<b>\$0</b>
6. ATMS (SEE ATTACHED ATMS COST ESTIMATE FOR DETAILS)	
a. SIGNAL COMMUNICATIONS	\$0
b. CCTV CAMERA SYSTEMS	\$0
c. TCC UPGRADES	\$1,210,000
<b>SUBTOTAL: C-6</b>	<b>\$1,210,000</b>

Project Concept Report  
 Project Number: NH00-00TS-00(048)  
 P. I. Number: 323005  
 County: Muscogee

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

<b>ESTIMATE SUMMARY</b>	
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
5. SIGNAL INSTALLATIONS:	\$0
6. ATMS	\$1,210,000
7. MISCELLANEOUS ITEMS	\$0
8. SPECIAL FEATURES	\$0
SUBTOTAL CONSTRUCTION COST	\$1,210,000
<b>GRAND TOTAL PROJECT COST</b>	<b>\$1,210,000</b>

This project is 100% in Muscogee County, GDOT District 3 and Congressional District No. 2.

<b>Subtotal Construction Cost</b>	<b>\$1,210,000.00</b>
Engineering @ 5%	\$60,500.00
Contingency@4%	\$50,820.00
<b>Total Construction Cost</b>	<b>\$1,321,320.00</b>

Project Concept Report  
Project Number: NH00-00TS-00(048)  
P. I. Number: 323005  
County: Muscogee

## NOTICE OF LOCATION AND DESIGN APPROVAL

### PROJECT: NH000-00TS-00(048), MUSCOGEE COUNTY, P.I. NO. 323005

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above projects.

Date of Location and Design Approval: FEBRUARY 27, 2009

Project NH000-00TS-00(48) in Muscogee County consists of reconfiguration of a portion of the existing office space in the Government Annex Building located at 420 Tenth Street and installation of a Traffic Control Center.

The TCC 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:

Ms. Cynthia C. Burney, P.E.  
Office of Traffic Operations  
935 E. Confederate Ave, Bldg 24  
Atlanta, Georgia 30316  
(404) 635-8149  
email: [cburney@dot.ga.gov](mailto:cburney@dot.ga.gov)

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 Operations  
935 E. Confederate Ave, Bldg 24  
Atlanta, Georgia 30316  
email: [kgolden@dot.ga.gov](mailto:kgolden@dot.ga.gov)

**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.**



# Meeting Minutes

**Subject:** Project Concept Meeting  
Columbus Regional TCC  
NH-00TS(48), P.I. No. 323005  
Muscogee County

**Date of Meeting:** 1/31/07

**Meeting Location:** Columbus Consolidated Government Annex Building, 420 Tenth St, Columbus, GA

**Date Prepared:** June 6, 2008

**Prepared By:** Vern Wilburn, P.E.

---

Attendees: Sam Andras - Andras Allen Starr Architecture, Dan Coggin, W.K. Dickson, Ron Hamlett - Columbus Traffic Engineer, Tommy Register - W.K. Dickson, Ron Smith - Columbus Assistant Traffic Vern Wilburn Iteris, Inc.

The following summarizes the discussion.

## Project Description

The consultants had prepared preliminary conceptual layouts for the reconfiguration of space for the traffic control center. These drawings were discussed. The following summarizes the discussion:

1. The existing plans do not reflect the actual dimensions of the existing layout. All documents need to be verified.
2. A/E team will verify existing cabling, power and HVAC systems.
3. No walls are to be added to the interior of the control room. Connections between the equipment room and control stations will be via a small area of raised access flooring between the two rooms or via core drills to the floor and above the ceiling of the floor below.
4. Carpet can be utilized throughout however alternative flooring can be presented.
5. The design / layout of the operation stations will be provided to AASA by WK Dickson.
6. The transfer grill located between the mechanical room and the new office needs to be relocated.

June 6, 2008

7. Coordination of fieldwork needs to be done with Ron Smith or Ron Hamlett.
8. The total project budget is \$1.2-million. \$400K will be dedicated to the equipment cost and installation. The remaining \$800K is dedicated to architectural, MEP and structural.
9. The team will need to coordinate the fiber entrance into the building. Based on discussions at the meeting the entrance location indicated on the drawings appears to be able to happen at the first floor. A chase can then be provided on the first and second floor to allow the fiber to run above the second floor ceiling.
10. All new electrical work is to be tied to an emergency generator. The existing generator may be able to be utilized, this must be verified. If a new generator is required it must operate on natural gas.
11. The glazing between the control room and the conference should be maximized. No specific pattern / layout is required. The windows need to include operable blinds.
12. The conference room is to have a laptop docking station, LCD and smart board. The system is to tie into the traffic control system.
13. The conference room is required to have lighting control to allow for dimming based on use.
14. Add a door from the conference room to the control room.
15. Provide windows into the control room from the two (2) offices adjacent to the control room.
16. A dedicated HVAC system may be required at the equipment room. WK Dickson will advise. (It was later verified that a separately controlled system would be required)
17. AASA will coordinate a trip to Atlanta with WK Dickson. The purpose of the trip will be to visit an operational traffic control center.



## 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

March 20, 2006

LARRY E. DENT  
DEPUTY COMMISSIONER  
(404) 656-5212

EARL L. MAHFUZ  
TREASURER  
(404) 656-5224

The Honorable Robert S. Poydasheff, Mayor  
City of Columbus  
P.O. Box 1340  
Columbus, Georgia 31902

Dear Mayor Poydasheff:

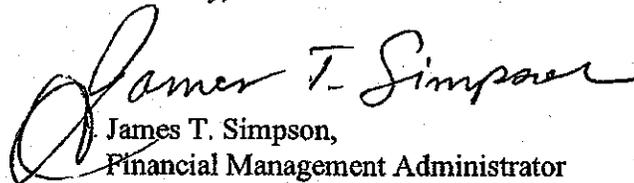
I am returning for your files an executed agreement between the Georgia Department of Transportation and Muscogee County for the following projects:

**PROJECT#:NH-OOTS(47) Muscogee County, P.I.#323000**

**PROJECT#:NH-OOTS(48) Muscogee County, P.I.#323005**

We look forward to working with you on the successful completion of the joint project. Should you have any questions, please contact Jim Tolson at (404)635-8139.

Sincerely,

  
James T. Simpson,  
Financial Management Administrator

JTS:as

Enclosure

c: Bob Rogers  
Thomas Howell – District 3  
Jeff Baker – Utilities  
Keith Golden

**AGREEMENT**  
**BETWEEN**  
**DEPARTMENT OF TRANSPORTATION**  
**STATE OF GEORGIA**  
**AND**  
**CITY OF COLUMBUS**  
**FOR**  
**TRANSPORTATION FACILITY IMPROVEMENTS**

This AGREEMENT is made and entered into this 1<sup>st</sup> day of February ~~2006~~, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and the CITY OF COLUMBUS, acting by and through its Mayor and Board of Commissioners, hereinafter called the "SPONSOR".

WHEREAS, the SPONSOR has represented to the DEPARTMENT a desire to improve the transportation facility described in **Exhibit A**, attached and incorporated herein by reference and hereinafter referred to as the "PROJECT"; and

WHEREAS, the SPONSOR has represented to the DEPARTMENT a desire to participate in certain activities of the PROJECT as set forth in this AGREEMENT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT as set forth in this AGREEMENT.

NOW THEREFORE, in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the SPONSOR hereby agree each with the other as follows:

1. The SPONSOR shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design) activities as per Exhibit "A", utility relocations, right of way acquisitions as per a future Right of Way Agreement and construction as per a future Construction Agreement. Expenditures incurred by the SPONSOR and eligible for reimbursement by the DEPARTMENT shall not be considered reimbursible to the SPONSOR until execution of this agreement and written notice to proceed for each phase.

2. The DEPARTMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design) activities as per Exhibit "A", right of way acquisitions as per a future agreement or construction as per a future construction agreement.

3. It is understood and agreed by the DEPARTMENT and the SPONSOR that the funding portion as identified in Exhibit "A" of this agreement only applies to the Preconstruction Engineering Activities. Additional agreements will be required to be

executed by the DEPARTMENT and the SPONSOR for the funding portion of subsequent phases.

4. The SPONSOR shall be responsible for all costs for the continual maintenance and the continual operations of any and all sidewalks and the grass strip between the curb and gutter and the sidewalk within the PROJECT limits.

5. The SPONSOR shall Certify that they have read and understands the regulations for "CERTIFICATION OF COMPLIANCES WITH FEDERAL PROCUREMENT REQUIREMENTS, STATE AUDIT REQUIREMENTS, AND FEDERAL AUDIT REQUIREMENTS" as stated in attachment A of this Agreement and will comply in full with said provisions.

6. When applicable engineering invoicing can only be submitted following submittal and acceptance of project milestones. Project milestones are defined as approval of the Concept Report, Completion and verification of the Database Preparation, approval of the Environmental Document, submittal of Preliminary Plans for PFPR, approval of Right of Way plans, and submittal of Final Plans for letting.

7. The SPONSOR shall accomplish all of the design activities for the PROJECT. The design activities shall be accomplished in accordance with the DEPARTMENT's Plan Development Process, the applicable guidelines of the American Association of State Highway and Transportation Officials, hereinafter referred to as "AASHTO", the DEPARTMENT's Standard Specifications Construction of Transportation Systems, the

DEPARTMENT's Plan Presentation Guide, PROJECT schedules, and applicable guidelines of the DEPARTMENT. The SPONSOR's responsibility for design shall include, but is not limited to the following items:

- a. Prepare the PROJECT concept report in accordance with the format used by the DEPARTMENT. The concept for the PROJECT shall be developed to accommodate the future traffic volumes as generated by the SPONSOR as provided for in paragraph 7b and approved by the DEPARTMENT. The concept report shall be approved by the DEPARTMENT prior to the SPONSOR beginning further development of the PROJECT plans. It is recognized by the parties that the approved concept may be modified by the SPONSOR as required by the DEPARTMENT and reapproved by the DEPARTMENT during the course of design due to public input, environmental requirements, or right of way considerations.
- b. Develop the PROJECT's base year (year facility is expected to be open to traffic) and design year (base year plus 20 years) traffic volumes. This shall include average daily traffic (ADT) and morning (am) and evening (pm) peak hour volumes. The traffic shall show all through and turning movement volumes at intersections for the ADT and peak hour volumes and shall indicate the percentage of trucks expected on the facility.
- c. Validate (check and update) the approved PROJECT concept and prepare a PROJECT Design Book for approval by the DEPARTMENT prior to the beginning of preliminary plans.
- d. Prepare environmental studies, documentation, and reports for the PROJECT that show the PROJECT is in compliance with the provisions of the

National Environmental Protection Act and Georgia Environmental Protection Act, as appropriate to the PROJECT funding. This shall include any and all archaeological, historical, ecological, air, noise, underground storage tanks (UST), and hazardous waste site studies required as well as any environmental reevaluations required. The SPONSOR shall submit to the DEPARTMENT all environmental documents and reports for review and approval by the DEPARTMENT and the FHWA.

e. Prepare all public hearing and public information displays and conduct all required public hearings and public information meetings in accordance with DEPARTMENT practice.

f. Perform all surveys, mapping, soil investigation studies and pavement evaluations needed for design of the PROJECT.

g. Perform all work required to obtain project permits, including, but not limited to, US Army Corps of Engineers 404 and Federal Emergency Management Agency (FEMA) approvals. These efforts shall be coordinated with the DEPARTMENT.

h. Prepare the PROJECT's drainage design including erosion control plans and the development of the hydraulic studies for the Federal Emergency Management Agency Floodways and acquisition of all necessary permits associated with the drainage design.

i. Prepare traffic studies, preliminary construction plans including a cost estimate for the Preliminary Field Plan Review, preliminary and final utility plans, preliminary and final right of way plans, staking of the required right of way, and final construction plans including a cost estimate for the Final Field Plan Review,

erosion control plans, lighting plans, traffic handling plans, and construction sequence plans and specifications including special provisions for the PROJECT.

j. Provide certification, by a Georgia Registered Professional Engineer, that the construction plans have been prepared under the guidance of the professional engineer and are in accordance with AASHTO and DEPARTMENT guidelines..

k. Failure of the SPONSOR to follow the DEPARTMENT's Plan Development Process will jeopardize the use of Federal funds in some or all of the categories outlined in this AGREEMENT, and it shall be the responsibility of the SPONSOR to make up the loss of that funding.

8. All Primary Consultant firms hired by the SPONSOR to provide services on the PROJECT shall be prequalified with the DEPARTMENT in the appropriate area-classes. The DEPARTMENT shall, on request, furnish the SPONSOR with a list of prequalified consultant firms in the appropriate area-classes.

9. The PROJECT construction and right of way plans shall be prepared in English units.

10. All drafting and design work performed on the project shall be done utilizing Microstation and CAICE software respectively, and shall be organized as per the Department's guidelines on electronic file management.

11. The DEPARTMENT shall review and has approval authority for all aspects of the PROJECT provided however this review and approval does not relieve the SPONSOR of its responsibilities under the terms of this agreement. The DEPARTMENT will work with the FHWA to obtain all needed approvals with information furnished by the SPONSOR.

12. The SPONSOR shall be responsible for the design of all bridge(s) and preparation of any required hydraulic and hydrological studies within the limits of this PROJECT in accordance with the DEPARTMENT's policies and guidelines. The SPONSOR shall perform all necessary survey efforts in order to complete the design of the bridge(s) and prepare any required hydraulic and hydrological studies. The final bridge plans shall be incorporated into this PROJECT as a part of this AGREEMENT.

13. The SPONSOR shall follow the DEPARTMENT's procedures for identification of existing and proposed utility facilities on the PROJECT. These procedures, in part, require all requests for existing, proposed, or relocated facilities to flow through the DEPARTMENT's Project Liaison and the District Utilities Engineer.

14. The SPONSOR shall address all railroad concerns, comments, and requirements to the satisfaction of the DEPARTMENT.

15. Upon the SPONSOR's determination of the rights of way required for the PROJECT and the approval of the right of way plans by the DEPARTMENT, the necessary rights of way for the PROJECT shall be acquired by the SPONSOR. Right

of way acquisition shall be in accordance with the law and the rules and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. seq., and 49 CFR Part 24, and the rules and regulations of the DEPARTMENT and in accordance with the Contract for the Acquisition of Right of Way to be prepared by the DEPARTMENT and executed between the SPONSOR and the DEPARTMENT prior to the commencement of any right of way activities. Failure of the SPONSOR to follow these requirements may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the SPONSOR to make up the loss of that funding. All required right of way shall be obtained and cleared of obstructions, including underground storage tanks, prior to advertising the PROJECT for bids. The SPONSOR shall further be responsible for making all changes to the approved right of way plans, as deemed necessary by the DEPARTMENT, for whatever reason, as needed to purchase the right of way or to match actual conditions encountered.

16. Upon completion and approval of the PROJECT plans, certification that all needed rights of way have been obtained and cleared of obstructions, and certification that all needed permits for the PROJECT have been obtained by the SPONSOR, the PROJECT shall be let for construction. The SPONSOR, unless shown otherwise on EXHIBIT A, shall be solely responsible for securing and awarding the construction contract for the PROJECT.

17. The SPONSOR shall review and make recommendations concerning all shop drawings prior to submission to the DEPARTMENT. The DEPARTMENT shall have final authority concerning all shop drawings.

18. The SPONSOR agrees that all reports, plans, drawings, studies, specifications, estimates, maps, computations, computer diskettes and printouts, and any other data prepared under the terms of this AGREEMENT shall become the property of the DEPARTMENT if required. This data shall be organized, indexed, bound, and delivered to the DEPARTMENT no later than the advertisement of the PROJECT for letting. The DEPARTMENT shall have the right to use this material without restriction or limitation and without compensation to the SPONSOR.

19. The SPONSOR shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by or on behalf of the SPONSOR pursuant to this AGREEMENT. The SPONSOR shall correct or revise, or cause to be corrected or revised, any errors or deficiencies in the designs, drawings, specifications, and other services furnished for this PROJECT. Failure by the SPONSOR to address the errors or deficiencies within 30 days shall cause the SPONSOR to assume all responsibility for construction delays caused by the errors and deficiencies. All revisions shall be coordinated with the DEPARTMENT prior to issuance. The SPONSOR shall also be responsible for any claim, damage, loss or expense, to the extent allowed by law, that is attributable to errors, omissions, or negligent acts related to the designs, drawings, specifications, and other services furnished by or on behalf of the SPONSOR pursuant to this AGREEMENT.

20. Both the SPONSOR and the DEPARTMENT hereby acknowledge that time is of the essence and both parties shall adhere to the priorities established in the approved Transportation Improvement Program/State Transportation Improvement Program (TIP/STIP) or earlier. Furthermore, all parties shall adhere to the detailed project schedule, as approved by the DEPARTMENT. In the completion of respective commitments contained herein, if a change in the schedule is needed, the DEPARTMENT shall have final authority. If, for any reason, the SPONSOR does not produce acceptable deliverables at the milestone dates defined in the current TIP/STIP, or in the approved schedule, the DEPARTMENT reserves the right to delay the project's implementation until funds can be re-identified for construction or right of way, as applicable.

21. This AGREEMENT is made and entered into in FULTON COUNTY, GEORGIA, and shall be governed and construed under the laws of the State of Georgia. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the DEPARTMENT and the SPONSOR have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

[Signature]  
State Traffic Safety & Design Engineer

[Signature]  
Director of Operations

[Signature]  
Chief Engineer

DEPARTMENT OF TRANSPORTATION

BY: [Signature]  
Commissioner

ATTEST: [Signature]  
Treasurer

REVIEWED AS TO LEGAL FORM:  
[Signature] 3.1.06  
Office of Legal Services

SPONSOR

BY: [Signature]  
Title: ROBERT S. POYDASHEFF

Signed, sealed and delivered this 6<sup>th</sup> day of February, 2005, in the presence of:

[Signature]  
Witness

[Signature]  
Notary Public  
My Commission Expires March 11, 2007

This Agreement approved on the 6 day of January, 2005.

[Signature]  
City/County Clerk (as appropriate)

FEIN: 58-1097948

EXECUTION AUTHORIZED

By Resolution No. 44-06

[Signature]  
Clerk of Council

