

# **Transportation Planning Work Program (DRAFT)**

**FISCAL YEAR  
2009**



**Georgia Intergovernmental Consultation Process**

**Intergovernmental Coordination Form**

**Applicant:** Georgia Department of Transportation

**Project Name:** FY 2009 Transportation Planning Work Program

**Applicant's Address:** 2 Capitol Square, Room 170, Atlanta, Georgia 30334-1002

**Name and Title of Contact Person:** Jamie Simpson, Administrator, Office of Financial Management

**Phone:** 404-463-2799

**Impacted City/Cities:** Statewide

**Impacted County/Counties:** Statewide

**Project Description (Nature, Purpose, Location)**

The FY 2009 Transportation Planning Work Program (TPWP) is the Georgia Department of Transportation's proposal for transportation planning activities.

(If necessary, continue on supplemental remarks page)

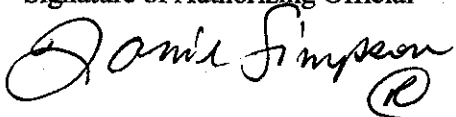
**FUNDING**

**Federal Catalog Number:** 20.205

<b>Source</b>	<b>\$ Amount</b>	<b>Federal Program Name:</b>	Highway Planning
Basic Federal Grant	<u>\$ 23,129,368</u>	<b>Federal Agency Name:</b>	US DOT, Federal Highway Administration
State Matching Grant	<u>\$ 5,782,342</u>	<b>Federal Agency's Address:</b>	Atlanta Federal Center, Suite 17TSO
Local Matching Grant	\$ _____		61 Forsyth St. S.W., Atlanta, GA 30303-3109
Other Matching Grant	\$ _____	<b>Name and Title of Contact Person:</b>	Veronica Johnson, Financial Mgr FHWA GA Division
<b>Total Cost</b>	<u>\$ 28,911,710</u>	<b>Telephone:</b>	(404) 562-3645

**Impacted Regional and Metropolitan Clearinghouse:**

Jamie Simpson  
Signature of Authorizing Official



Administrator, Office of  
Financial Management  
Title

January 16, 2008  
Date

**TRANSPORTATION PLANNING**

**WORK PROGRAM**

**AND**

**COST ESTIMATE**

**(DRAFT)**

**FISCAL YEAR 2009**

**JULY 1, 2008 - JUNE 30, 2009**

**PREPARED BY**

**THE GEORGIA DEPARTMENT OF TRANSPORTATION**

**IN COOPERATION WITH**

**THE U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION**

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**FISCAL YEAR 2009**

**METRO PLANNING UPWP PROJECT NUMBERS**

<b><u>FY 2009 PL</u></b> <b><u>PROJECT #</u></b>	<b><u>URBANIZED AREA</u></b>
PL000-0008-00-781	ALBANY
PL000-0008-00-782	ATHENS
PL000-0008-00-783	ATLANTA-10 County ARC Area (Calendar Yr)
PL000-0008-00-784	AUGUSTA
PL000-0008-00-785	BRUNSWICK
PL000-0008-00-786	CHATTANOOGA – (October Fiscal Year)
PL000-0008-00-787	COLUMBUS
PL000-0008-00-788	DALTON
PL000-0008-00-789	GAINESVILLE
PL000-0008-00-790	HINESVILLE
PL000-0008-00-791	MACON
PL000-0008-00-792	ROME (Calendar Year)
PL000-0008-00-793	SAVANNAH
PL000-0008-00-794	VALDOSTA
PL000-0008-00-795	WARNER ROBINS

**Note:**

Metro Planning (PL) contract amounts are subject to PL distribution by formula prepared by the Office of Planning. Each Metropolitan Planning Organization prepares a separate Unified Planning Work Program that is not included herein.

# SUMMARY

## ESTIMATED COSTS FOR FISCAL YEAR 2009

	<b>TPWP GDOT PLANNING WORK ELEMENT</b>	<b>FEDERAL 80% SHARE</b>	<b>STATE 20% SHARE</b>	<b>TOTAL COST ESTIMATE</b>
1	ADMINISTRATION & CONTROL	\$ 800,000	\$ 200,000	\$ 1,000,000
2	TRANSPORTATION INVENTORY COLLECTION	\$ 2,991,360	\$ 747,840	\$ 3,739,200
3	TRANSPORTATION GIS MAPPING	\$ 852,552	\$ 213,138	\$ 1,065,690
4	TRANSPORTATION DATA COLLECTION	\$ 3,598,320	\$ 899,580	\$ 4,497,900
5	INFORMATION TECHNOLOGY RESOURCE	\$ 2,676,000	\$ 669,000	\$ 3,345,000
6	SYSTEM AND CLASSIFICATIONS	\$ 404,736	\$ 101,184	\$ 505,920
7	STATEWIDE TRANSPORTATION PLANNING	\$ 4,400,000	\$ 1,100,000	\$ 5,500,000
8	FINANCIAL MANAGEMENT	\$ 740,000	\$ 185,000	\$ 925,000
9	URBAN TRANSPORTATION PLANNING (Over 50,000 Population)	\$ 3,198,400	\$ 799,600	\$ 3,998,000
10	STRATIGIC MANAGEMENT AND LEGISLATIVE LIASON GROUP	\$ 268,000	\$ 67,000	\$ 335,000
11	SPECIAL STUDIES	\$ 3,200,000	\$ 800,000	\$ 4,000,000
<b>TOTAL SPR PLANNING FUND CODES (Q550, H550, L550)</b>		<b>\$ 23,129,368</b>	<b>\$ 5,782,342</b>	<b>\$28,911,710</b>

**TPWP FINANCIAL SUMMARY  
FOR FY 2009**

**TRANSPORTATION PLANNING -- PART I**

<b><u>ESTIMATED COST FY 2009 TPWP</u></b>	<b><u>FEDERAL SHARE</u></b>	<b><u>STATE MATCH</u></b>	<b><u>TOTAL DOLLARS</u></b>
<b>PLANNING (SPR L55, H55, Q55)</b>	<b>\$23,129,368</b>	<b>\$ 5,782,342</b>	<b>\$ 28,911,710</b>

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<b><u>ESTIMATED FY 2009 AVAILABLE FUNDING</u></b>	<b><u>FEDERAL SHARE</u></b>	<b><u>STATE MATCH</u></b>	<b><u>TOTAL DOLLARS</u></b>
SPR (L550) Unobligated Balance	\$17,635,676	\$4,408,919	\$ 22,044,595
SPR (H550) Unobligated Balance	\$ 3,101,306	\$ 775,327	\$ 3,876,633
SPR (Q550) Unobligated Balance	<u>\$ 2,392,386</u>	<u>\$ 598,097</u>	<u>\$ 2,990,483</u>
<b>TOTALS</b>	<b>\$23,129,368</b>	<b>\$ 5,782,342</b>	<b>\$ 28,911,710</b>

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**GRAND TOTAL FUNDING TRANSPORTATION PLANNING \$ 28,911,710**

# **TRANSPORTATION PLANNING**

## **CHAPTER 1: ADMINISTRATION AND CONTROL**

**RESPONSIBLE SECTION:** Division of Transportation Planning, Data  
& Intermodal Development

**A. PURPOSE AND SCOPE:** Responsible for development, publication, updating and administration of comprehensive, short-range (0-3 years), mid-range (4-6 years) and long-range (approximately 25 years) transportation plans designed to fulfill the present and future needs of the State, including urban and urbanized areas, for a safe, efficient and economical transportation system. In addition, support all Transportation planning related costs such as data processing.

**B. PROPOSED FY 2009 GDOT ACTIVITIES:** Develop, publish, update and administer comprehensive, short-range (0-3 years), mid-range (4-6 years) and long-range (20-30 years) transportation plans, and programs.

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**C. ESTIMATED COST FOR FISCAL YEAR 2009:**

\$ 800,000	(80% Federal)
\$ 200,000	(20% State)
\$ 1,000,000	Total



# **GDOT TRANSPORTATION PLANNING**

## **GDOT PLANNING ELEMENT 2: TRANSPORTATION INVENTORY COLLECTION**

**RESPONSIBLE SECTION:** Office of Transportation Data

**A. PURPOSE AND DESCRIPTION:** The Office of Transportation Data (OTD), Inventory Collection Branch collects, provides and ensures the quality of statewide geographic road centerline, road inventory, and digital imagery data. The program identifies and incorporates data from local and state agencies into DOT databases. These sources include:

- Federal Data Sources (DOD, USFS, USGS, Census Bureau, etc.)
- Georgia State Agencies (Dept. of Community Affairs, Dept. of Natural Resources, etc.)
- Seven (7) DOT District Road Inventory Units
- Commercial Data Suppliers (Aerial and Satellite Imagery, Digital ROW imaging, etc.)
- Contracted Data Collection & Local Governments

OTD is responsible for the overall quality, completeness, and currency of the Department's road inventory data. OTD coordinates the collection efforts of the DOT District Road Inventory Units and contracted collection projects. The branch also conducts testing and analysis of all inventories. Data Managers perform the analysis, loading and reporting of all collected data. OTD directs the implementation of data quality control measures and collection standards by providing guidelines to the (7) District Road Inventory Units. In addition, OTD is responsible for providing software, equipment, and training to each of the District Road Inventory Units. For contracted collection efforts, OTD provides the data collection specifications and data parameters for the development of data collection contracts or agreements.

The Office of Transportation Data manages three (3) physical data collection efforts:

1. Spatial data collection
2. Road inventory data collection
3. Digital imagery collection

This data supports the production and maintenance of the Department's various Information Systems, Enterprise Geographic Information System (GIS), and Highway Performance Monitoring System (HPMS). These systems facilitate federal, statewide, and regional transportation planning, analysis, modeling, and reporting. These data are provided to the public through our Customer Support and Reporting Unit. Additionally, these data are used to produce the Department's County Road Maps and State Highway Map. OTD has been actively improving the availability of data via the Department's Intranet and Internet sites.

## **B. PROPOSED FY 2009 GDOT ACTIVITIES:**

Maintain the core business function of inventorying, recording and editing the State's public road network while integrating new software applications that incorporate Digital Imaging and GIS tools into OTDs traditional business operations.

### Road Inventory Activities

- We have migrated onto an Oracle platform. Over the next year we will be enhancing our legacy Road Inventory database to include HPMS data items and the additional items from the HPMS reassessment. To ensure that we capture all of the documentation necessary to benchmark these changes, OTD will retain the services of a Business Analyst and IT applications development personnel. These personnel will document our revised business process, requirements, enhance the Road Inventory data base and create data entry applications. This individual will support and facilitate our continued reengineering and development of the new database, our processes and IT applications
- Because of the HPMS reassessment, OTD will continue to conduct research that will leverage new technologies against the identified opportunities to enhance our collection. It may also be necessary to contract the collection of specialized data elements.
- OTD will continue to clean our Road Characteristic Data. We have made considerable advancements in the checking and analysis of our data over the past fiscal year. This effort will continue through 2008 while we work toward a database that will eventually support a divided highway model.
- In conjunction with the development of our database we will be developing a PC tablet based field collection application. As this tool is created, we will document all tool development, change request and processing errors. These will be used to validate and improve our process and aid QC functions.
- As we identify additional data that needs to be collected, we will continue further development of our Road Characteristics How to Code and The Road Characteristics How to Collect Handbook which are used to support our training objectives and standardize road inventory procedures. Also, OTD will provide training and equipment to the District Road Inventory Units that correspond to the mission of road inventory. Training activities will be coordinated with the District Offices to improve the skills of the data collectors. We will meet quarterly and conduct site visits to discuss issues and explore opportunities as well as insure program objectives and standards are met.
- OTD will continue to make training our road inventory collection crews on the use and application of GIS/GPS technology and equipment a priority of our training efforts. These skills will be necessary to keep pace with changes and developments in our industry.
- OTD will continue using a Business Analyst to support the documentation of processes, development of training materials and presentation of information to our customers
- The State and several of our metropolitan areas continue to be among the fastest growing in the nation. Over the past year we met with several local governments and the Atlanta Regional Center to lay the frame work for a regional data model. It is

necessary for us to continue our efforts to promote this model and data collection program that will take into account the capability and needs of our local transportation partners, our resource limitations, positional accuracy, data standards, and available resources. This effort will establish data sharing partnerships that will supplement our road data collection efforts on off-system routes

- As part of the regional modeling effort, we will secure a consultant to help OTD and GDOT define and design a process to spatially represent local road development updates using available data sets and technology.
- Continue to maintain the production of the Pre-Inventory map creation process used to aid District Inventory crews during their collection cycles. These maps are used to identify system changes and maximize collection efforts.
- Support the maintenance and production of the Georgia County Maps by critiquing map products, resolving data issues, analyzing geo-databases and providing guidance as necessary.
- OTD will develop and maintain an application to automate the reporting of the annual HPMS submittal from our new road inventory database.
- We will continue to invest in technology to collect HPMS data items more efficiently.
- OTD will continue to maintain and enhance the applications used to prepare the 500 reports.
- OTD will work with other GDOT offices and Divisions to create a framework for Department transportation data programs. OTD will investigate how to develop a comprehensive Department Data Business plan.
- **Total Road Inventory Cost.....\$ 1,596,000.00**

#### GPS Inventory Activities

- In conjunction with the road inventory activities above, OTD will be studying various methods of acquiring GPS data, including 3<sup>rd</sup> party purchase, local data sharing partnerships, and normal contractual arrangements. This data will be used to support our County Map production and Road Inventory program.
- As we continue to develop our Oracle database platform, OTD will start looking at making the solution spatial. As we investigate these opportunities, OTD will be designing a business process for gathering data that includes geographic data. The goal will be to develop the best combinations of spatial, feature, and imagery data sets that can be concurrently assembled to support the various collection and reporting objectives of OTD.
- We will continue to Collect GPS data on all State designated highways to support feature measurements and spatial alignment accuracy standards. This data will be used to improve and support Department business needs, mapping and data reporting.
- Maintain the training program and follow up with the series of training that will enhance the District Road Inventory Crew's ability to perform GPS collection.
- OTD will purchase the aerial photography for the Atlanta UAB in cooperation with the Atlanta Regional Commission.
- Purchase of aerial photography for the other urbanized areas in Georgia, as necessary.
- **Total GPS Inventory Cost.....\$ 341,500.00**

### Digital Imaging Activities

- OTD will continue to make digital imagery available to internal customers through the Department's intranet site. Support external customers through writing the images to CD/DVD.
- OTD will execute a task based contract to perform digital image collection for all State Routes, Interstates, NHS and HPMS samples. The total duration of these tasks will take 3 to 5 years to complete. OTD will direct the assignment of task and perform quality assurance of all data submitted.
- OTD will investigate other opportunities for using imagery to reduce the cost and time expended by other offices within GDOT and OTD. This will include performing road data collection
- OTD will coordinate with other Offices for the use of digital imagery as a source data for enhancing quality assurance, data reporting and asset management
- OTD will work with IT and the Contractor to provide image data over the internet. Once the system is properly defined and business rules have been established, OTD will coordinate the construction of a non proprietary WEB based image viewing solution.
- Because of the cost and size of the digital image data, OTD will work for data warehousing policies to be developed that will ensure storage and security requirements are achieved.
- **Total Digital Imaging Cost.....\$ 709,500.00**

### Equipment to Support Proposed activities:

- OTD will continue to keep up with evolving computer technology by replacing and purchasing necessary desktop, notebook and tablet PCs. This equipment will be necessary to keep up with our evolving processing and managing of data.
- As required, OTD will need to acquire additional server memory and speed to support growing data set such as Digital Imaging and Road inventory. It is clear as these resources evolve the demand will become greater.
- As OTD enhances our methodology for conducting GPS and field surveys, it will be necessary to acquire state of the art GPS Receivers and Data Loggers. Our current equipment is no longer manufactured nor supported leaving us with little option but to modernize.

### Equipment to Support Proposed activities:

Equipment Description	# Requested	Cost per Unit	Total
Data Collection GPS Receiver	1	\$4,500	\$ 4,500
Tablet PC Field Equipment	7	\$3,500	\$ 24,500
Desk Top Work Station/PC	3	\$1,500	\$ 4,500
Dual monitor or large flat panel monitor	2	\$1,500	\$ 3,000
<b>Subtotal</b>			<b>\$ 36,500</b>

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**C. Estimated Cost for Fiscal Year 2009:**

<b>\$ 2,991,360</b>	<b>(80% Federal)</b>
<b>\$ 747,840</b>	<b>(20% State)</b>
<b>\$ 3,739,200</b>	<b>Total</b>

### **PLANNING ELEMENT 3: TRANSPORTATION GIS MAPPING**

**RESPONSIBLE SECTION:** Office of Transportation Data (OTD)

**A. PURPOSE AND DESCRIPTION:** The Systems and Classification Branch's (SCB) serves the Department and local transportation agencies by providing and coordinating the development of required and special-request GIS maps. GIS requirements include highway systems administered by SCB are:

- The State Highway and Transportation Map
- County Maps
- Highway Systems Status Maps
- Traffic Count Location Maps

SC Branch's GIS operations range from reviewing and assessing the GIS needs and specifications of statewide projects to the spatial representation of different types of transportation related data. It provides support to the Data Collection Branch to meet the needs of the Statewide Road Inventory program. SC Branch works closely with Road Inventory and local governments to ensure Core Base Map updates, and coordinates with the Georgia Department of Economic Development (DEcD) and other state officials on the development of the annual State Highway Transportation Map. This unit also prepares the Federal-aid Highway Systems Status map series for use by federal, state, and local officials.

**B. PROPOSED FY 2009 GDOT ACTIVITIES:**

Integrate more technology into executing the core business requirement of providing legally required map products as well the providing of GIS mapping services for internal and external stakeholders.

Normal GIS Analysis and Mapping Administrative Activities

- In compliance with the requirements of Georgia Code Title 32, coordinate with local governments and other Georgia state departments to make necessary adjustments to the State Highway and Transportation map.
- Continue to work with a consultant to support the associating of linear and RC Data into the Core Database and Base Map as information is received from State Highway System revisions, road inventory data, RDC, and aerial photography
- Consultant Costs-(Route Maintenance and County Map Development).....\$24,000
- Provide data layers to support the Rail, Bridge Maintenance and other Department operations. Support other key business unit activities such as preparation of the Federal-aid Highway map series for use by federal, state, and local officials.
- Maintain the core business function of development, editing and distribution of the Department's County and City maps using Geographic Information System tools.

- On an annual basis, prepare the Traffic Data Collection Branch's Traffic Count and Coverage Count location maps
- Distribute the County Map series to customers and stakeholders through the Customer Services section as well as via the Internet. .
- Consultant will continue to update and enhance web site to more effectively display traffic count related data.
- Develop GIS based customized maps (in house development)
- Continue software maintenance agreements for vendor used software.
- **Annual software fees for maintenance, upgrades, and license fees.....\$5,200**

#### Annual State Highway and Transportation Map and Large-size Print Map

- In compliance with the requirements of Georgia Code Title 32, coordinate with local governments and other Georgia state departments to prepare the State Highway and Transportation map.
- Coordinate with district and county officials to maintain and update local data set layers, and with the DEcD in the development of the back cover, including Scenic Byways, county photographs, tourist attractions, and the Governor's letter.
- Contract the printing of the Official Highway and Transportation Maps
- **Printing Contract Cost.....\$250,000**
- Secure a consultant to integrate existing data with new updates on the state and city inset level, and incorporate additional graphics for the creation of printer ready proofs.
- **Consultant Contract Cost.....\$35,000**
- Consultant will continue to develop and print the Official Highway and Transportation Map in a Large Print Map Edition
- **Consultant Contract Cost.....\$15,000**
- **Contract the printing of the large-size Official Highway and Transportation Map**
- **Printing Contract cost.....\$105,000**

#### GIS Maintenance

Continue to work a consultant to develop the tools and processes to create the county and city maps series. Consultant activities will also include:

- The consultant will use GIS software applications to support Route Building as well as GPS data and RC Data rectification
- The consultant will develop an application to prepare a State-maintained Access Road database and mapping system
- The consultant will develop the next phase of the Highway Systems Status Map tool: a Highway Systems sketch map application
- **Consultant Contract cost for these GIS projects.....\$75,000**

**GIS Training**

- **Continue the use of GIS consulting services to augment staff and improve the skill sets of the office's GIS Analysts.**
- **Contract Employee cost.....\$130,000**

**C. Estimated Cost for Fiscal Year 2009:**

\$	852,552	(80% Federal)
\$	213,138	(20% State)
\$	1,065,690	Total



## CHAPTER 4

## TRAFFIC DATA COLLECTION

**RESPONSIBLE SECTION:** Office of Transportation Data (OTD)

**A. PURPOSE AND DESCRIPTION:** The Traffic Data Collection Branch manages five (5) traffic data collection efforts. (1) WIM (Weigh-In-Motion) or truck weight data is collected statewide at Strategic Highway Research Program (SHRP) sites and HPMS sites. (2) Special Request traffic data is collected at site specific and project specific locations statewide. (3) Fast Forward Special traffic count data is collected at signalized intersections to support the Governor's Fast Forward Signalization Project. (4) Annual Portable Coverage data provides state-wide traffic counts to support State and local transportation projects and programs. OTD collects this data at approximately 10,000 locations statewide. This collection plan includes all functional class roadway systems. Each collection effort supports the Geographical Information System (GIS), and Highway Performance Monitoring System (HPMS) as well as State and Local Governments for planning purposes. New traffic data collection devices and technology are tested by OTD to evaluate the output and cost effectiveness of these devices. (5) OTD manages the Statewide Permanent Count Program. Vehicle classification data, traffic volume, and traffic speed is collected at continuous Automatic Traffic Recorders (ATR) sites. Additionally, Georgia's ATR program supports the HPMS as well as other activities, such as emergency evacuations during inclement weather. The Data Collection Services contract which began in FY 2007 will continue in FY 2009 and involves the installation, upgrade, data collection, and maintenance of these sites. All funding for the ATR installation and upgrade portion of this contract was encumbered in FY 2006 - 2008 at the 100% Federal funding level.

### **B. PROPOSED FY 2009 GDOT ACTIVITIES:**

- Continue implementation of the Traffic Strategy Plan for WIM, Portable, ATR and Special Request data collection programs.
- Traffic Data Collection will continue to utilize Business Analysts to develop Business Process documentation that will be used to re-engineer and/or develop new processes and applications.  
.....\$ 170,000
- Vehicle Classification traffic counts will be collected on approximately 25% of regular coverage program counts. It is anticipated that there will be a total of approximately 2500 vehicle classification sites which include both ATR and Portable locations.
- Turning movement studies, vehicle occupancy studies, and other special count projects will be completed as requested.
- OTD relies on a flexible, versatile, and reliable set of data collection equipment to meet the expanding needs for traffic count data collection. Older technology collection equipment will be replaced as needed to broaden the equipment resources. Also portable ADRs that were stolen or need repairs will be replaced.  
.....\$ 100,000

- Contract for automation and verification of quality data will be in the Northrop-Grumman maintenance phase this fiscal year. This contract will also support the processing and quality control of data collected as part of the portable count program. During FY2008, this application was developed to replace the current ATR polling system. By FY2009, we expect all collected traffic data to reside in this database. All related traffic reports will be available through this web based application  
.....\$ 600,000
- OTD managers will continue developing partnerships and coordinate collection efforts with the Office of Maintenance, Office of Construction, Office of Contracts Administration, the District Offices and other offices within the Department. These partnerships will be used to improve operational efficiency, site quality, count coverage, and research into new technologies. In the past, road resurfacing and construction projects have damaged several collection sites. Coordinate on a quarterly basis with District and Area Engineers to determine what impending construction projects may result in damage to ATR infrastructure.
- OTD will share data and develop cooperative projects with the Office of Materials and Research (OMR), Office of Permits and Enforcement, and the Traffic Management Center and other offices within the Department. Develop joint project/contract to tie in Metro Atlanta ATR sites with fiber optic network.  
.....\$ 100,000
- Data collection vehicles will be evaluated and upgraded as necessary to improve field collection safety. This will include the purchase of communications equipment, lights, signs, etc.  
.....\$ 80,000
- A quality control program (Traffic toolkit or equivalent) will be used to verify and test portable traffic count data (**License renewal**).  
.....\$ 5,000
- External consultant will be used to augment the portable traffic data collections efforts i.e. special traffic requests, Fast Forward, turning movements –  
.....\$ 400,000
- Supplies for Field Technicians including nails, rope, road tube, clips  
.....\$ 48,000
- Portable WIM collection of sites will be contracted out to a consultant.  
.....\$ 20,000
- Phone service for 300 plus ATR sites.  
.....\$ 275,000
- Purchase new Global Positioning System data collection devices to replace existing GPS units that are malfunctioning.  
.....\$ 20,000
- DOT in-house staff salaries (number of employees)
- Procurement of piezoelectric sensors, solar panels, and traffic cabinets.  
.....\$ 500,000
- Maintain 300 plus permanent sites to collect vehicle classification. These sites will be kept 80% operational (**80/20 Funding Split**).  
.....\$ 1,000,000

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<b>C. Estimated Cost for Fiscal Year 2009:</b>	<b>\$ 3,598,320</b>	<b>(80% Federal)</b>
	<b>\$ 899,580</b>	<b>(20% State)</b>
	<b>\$ 4,497,900</b>	<b>Total</b>

## **GDOT PLANNING ELEMENT 5: Information Technology**

**RESPONSIBLE SECTION:** Enterprise GIS (EGIS) Group

### **A. PURPOSE AND SCOPE:**

The purpose of the Division of Information Technology (IT) Enterprise Geographic Information Systems (GIS) Group is to enhance transportation decision-making and operational efficiency by expanding the accessibility, representation, and framework of GIS resources through the delivery of support, development, and quality assurance services.

The scope of support services includes:

- Maintaining the operation of the Enterprise GIS (EGIS) architecture and applications
- Monitoring performance of production applications and databases
- Performing server and database administration
- Performing software licensing, administration, and upgrades
- Enhancing the performance, stability, and security of the EGIS architecture
- Conducting geospatial technology research and evaluation
- Providing customer support through (REMEDY) requests
- Participating in the Georgia GIS Coordinating Committee (GISCC)
- Sponsoring the GDOT GIS User Group
- Providing customers with access to help and training resources
- Administering access privileges for developers and end-users

The scope of development services includes:

- Implementing development standards
- Managing the EGIS Program
- Developing GIS functionality within IT Projects and software development lifecycle
- Developing GIS applications for the desktop, server/web, and mobile environments
- Publishing GIS mapping and web services for Service Oriented Architecture (SOA)

The scope of quality assurance services includes:

- Implementing quality assurance standards
- Developing spatial data and geodatabases
- Implementing GDOT Linear Referencing System (LRS) standards for distributed maintenance of statewide centerline topology, routes, and networks
- Processing geospatial data for incorporation into enterprise geodatabases
- Implementing automated geospatial data workflows
- Integrating GIS data with enterprise information and reporting systems

- Serving EGIS data and metadata

The EGIS Group utilizes a technical support system (REMEDY), program/project management information system (MS Project, MS Project Server, and MS Project Server Web Access), a standard software development lifecycle process, and a common development framework to minimize risk and ensure timely delivery of services.

## **B. PROPOSED ACTIVITIES FOR FISCAL YEAR 2009:**

The EGIS Group proposes the continuation of support, development, and quality assurance services to fulfill the following initiatives of the Enterprise GIS (EGIS) Program:

- Mapping on Demand - Easily create and distribute maps
- CAD Interoperability – Automate interoperability of CAD data within the GIS and GIS data with CAD environments
- Asset Location – Precisely locate equipment, property, and structures
- Data Analysis – Automate investigation, modeling, assessment, and forecasting
- Work Activity Tracking – Depict the progress and status of GDOT actions
- Open Data Exchange – Creating a collaborative data development/sharing environment
- Building the GDOT GIS – Enhancing the EGIS architecture

### **Development Services**

- Continue development and enhancement of web portal and server based mapping applications
- Continue web portal publication of data, metadata, and web services
- Continue improving the interoperability between Computer Aided Design (CAD) files and GIS
- Continue consolidation of spatially located data into the GDOT GIS
- Continue integrating local, state, and national agency spatial data sets with the GIS
- Continue enhancement of the GIS database schema and data model as per business requirements
- Develop geoprocessing tools and models as per business requirements
- Integrate GDOT LRS component to the HPMS reporting system
- Continue development of multi-user versioning, historical data archiving, and change analysis of the GDOT LRS
- Create LRS for roadway, rail, airport, and utility data sources
- Improve divided highway directional measurement and representation

### **Support Services**

- Upgrade desktop, server/web, and mobile GIS infrastructure
- Attend bimonthly Georgia GIS Coordinating Committee (GISCC) sessions
- Conduct GDOT GIS workshops or User Group sessions
- Transfer GIS data maintenance responsibilities to business units

**Quality Assurance Services**

- Document GIS data maintenance, sharing, distribution, publishing, and retention policies/procedures online
- Implement metadata standards and create custom synchronizer/editor for keeping metadata current for publishing.

**Proposed Activities for FY 2009**

	Quantity	Unit Cost	Total	
<b>1. Personnel</b>				
IT Systems Team Leader	1	\$66,000	\$66,000	
GIS Developer 3	2	\$66,000	\$132,000	
GIS Developer 2	4	\$52,000	\$208,000	
GIS Developer 1	1	\$45,000	\$45,000	
Consultant Services	10	\$150,000	\$1,500,000	
<b>Subtotal</b>				<b>\$1,951,000</b>
<b>2. Equipment</b>				
PC's/Laptops/Handheld/GPS	4	\$5,500	\$22,000	
Remote Sensing/CAD Integration	2	\$300,000	\$600,000	
GIS Storage/Servers	4	\$100,000	\$400,000	
<b>Subtotal</b>				<b>\$1,022,000</b>
<b>3. Software</b>				
Enterprise Software/Maintenance			\$300,000	
<b>Subtotal</b>				<b>\$300,000</b>
<b>4. Training</b>				
	24	\$1,500	\$36,000	
<b>Subtotal</b>				<b>\$36,000</b>
<b>5. Travel</b>				
	12	\$2,000	\$24,000	
<b>Subtotal</b>				<b>\$24,000</b>
<b>6. Supplies</b>				
			\$12,000	
<b>Subtotal</b>				<b>\$12,000</b>
<b>TOTAL for FY 2008</b>				<b>\$3,345,000</b>

**C. ESTIMATED COST FOR FISCAL YEAR 2009**

**\$ 2,676,000 (80% Federal)**  
**\$ 669,000 (20% State)**  
**\$ 3,345,000 Total**

## **GDOT PLANNING ELEMENT 6: SYSTEMS AND CLASSIFICATION**

**RESPONSIBLE SECTION:** Office of Transportation Data

**A. PURPOSE AND DESCRIPTION:** The Systems and Classification Branch (SCB) serves the Department and local transportation agencies by coordinating updates to the state's major highways systems and urban area boundaries. The highway systems administered by SCB are:

1. The State Highway System
2. U.S. Route Numbered System
3. Highway Functional Classification System
4. National Highway System

In order to support local and statewide transportation improvement plans as well as to accurately reflect how Georgia's roads are being used by the traveling public, SCB coordinates with the appropriate State, local, and federal transportation agencies to update these systems.

SCB activities begin with the review of requests from local officials, the political sector, or Georgia DOT Management directives for adjustments to the highway systems. In addition, future road improvement project plans are also reviewed to determine possible necessary updates needed to the highway systems. As appropriate, SCB coordinates and negotiates highway system adjustments with local planning officials, FHWA, and GDOT Management. Upon approval of a request for highway systems adjustments, this branch notifies all internal and external stakeholders of the status of the appropriate highway system. Then, updates are made to the branch's comprehensive paper and electronic databases as well as to a highway systems status map set which reflects current adjustments to the highway systems. SCB works closely with the appropriate road inventory units to ensure the updating of the Department's Road Characteristics database. In addition to these responsibilities, SCB also maintains a database of improvements made to the State Highway System.

The SC Branch Road Characteristics Administrative area is responsible for defining standards and performing quality control measures on data elements from various sources, and updating the state route road honorarium road naming database.

### **B. PROPOSED FY 2009 GDOT ACTIVITIES:**

Integrate more technology into executing the core business function of managing the State, U.S., and Federal-aid highway systems.

#### Highway Systems Administrative Activities

- In compliance with both US Title 23 as well other FHWA guidelines, we will continue to coordinate with local governments, Metropolitan Planning Organizations, and FHWA to monitor State Highway System revisions, Road Inventory data, project plans, Transportation Improvement Programs, and the

Statewide Plan for possible revisions to the Highway Functional Classification and National Highway Systems.

- A "Meet & Greet" program was developed in 2008, this program will continue this year. The purpose of this program to brief internal and external stakeholders of state and federal highway coordination policies and procedures. This program was established by internal staff and does not involve contract employees.
- Develop an Internet-based local government reclassification program by which requests for road classifications are submitted.
- Prepare recommendations to management involving proposed revisions to the State Highway and U.S. Route Numbered Systems. When approved, prepare the necessary documents for implementation. Review the monthly Construction Work Program Report for any needed State Route revisions. Establish a project to update the Department's inventory of off-System state-maintained facilities. Based on the results of that project develop a GIS-based map series to readily communicate this information to internal and external stakeholders.
- Continue to collaborate with the Department's Office of Preconstruction to develop and implement plan to both migrate and automate highway systems administrative activities into the Department's TPRO database. These efforts should include support their Plan Development process training activities.
- Continue to explore GIS technology to enhance Highway Systems Administrative operations.

#### SCB Business Process Improvements

- SCB will continue to work with consultant Business Analysts to develop Business Process documentation that will be used to reengineer and/or develop new processes and applications.

#### SCB Electronic Document Project

- In fiscal year 2008, work began to establish an electronic document management system. The purpose of this project is the development and then integration into daily operations of a map-document relational database which will include the development of a query application for customers to access information over the Department's intranet. Although not completed this project will continue in regard to implementation in fiscal year 2009.
- Complete the development of an electronic document transmittal and signature management system. This was a fiscal year 2008 goal as well which we anticipate implementation in fiscal year 2009.
- **Contractor and GDOT IT Employee Services.....\$11,500**

#### **C. Estimated Cost for Fiscal Year 2009:**

**\$ 404,736 (80% Federal)**  
**\$ 101,184 (20% State)**  
**\$ 505,920 Total**



## **GDOT PLANNING ELEMENT 7: STATEWIDE TRANSPORTATION PLANNING**

**RESPONSIBLE SECTION:** Office of Planning:  
Central Georgia Planning, North Georgia Planning,  
South Georgia Planning, Atlanta Planning

**A. PURPOSE AND SCOPE:** The Office of Planning is responsible for carrying out the statewide planning process and conducting planning studies for the states non-urbanized areas. The North Georgia, South Georgia, Central Georgia and Atlanta Branch's work includes evaluating systems operations, assessing the impacts of multi-modal transportation needs and problems, analyzing alternative modal solutions to transportation needs, investigating financing options, developing project cost and consulting with local governments on project priorities. In carrying out their functions, the Branches coordinate with local affected officials, public and private sector representatives, and other federal, state and local agencies.

### **B. PROPOSED ACTIVITIES FOR FY 2009:**

1. Implement a statewide transportation planning process in compliance with the requirements of federal regulations (23 CFR Part 450), and state law (OCGA Title 32-2). The process will be coordinated with public and private sector interests, and reflect the state's goals and objectives.
2. In addition, the North Georgia, South Georgia, Central Georgia and Atlanta Branches will through in house studies and consultant contracts conduct corridor, regional and small urban area multi-modal transportation planning studies. Studies will follow a statewide planning process that meets Federal requirements and evaluate transportation solutions and the impact of proposed transportation projects on social, economic, environmental and land use of local areas. The studies will consider financing options and will recommend prioritization for project implementation. Using consultant services, a statewide travel demand model may be initiated during FY09 or continue efforts begun during FY08.
3. Coordinate multi-modal transportation studies and the development of the State Transportation Improvement Program (STIP) elements with local affected officials, with public and private groups impacted by the transportation project(s), and with other federal and state agencies. The STIP will continue to adhere to the Department's policy on consultation with Rural Local Governments.
4. Develop the necessary documentation for input of selected rural projects into the State Transportation Improvement Program, the Construction Work Program (CWP) and into local plans.
5. Carry out a Public Involvement process originally developed in compliance with the requirements of Section 135(f) of the Intermodal Surface Transportation

Efficiency Act, or as dictated by subsequent federal legislation and regulations, including the Transportation Equity Act for the 21st Century and any changes made as a result of SAFETEA-LU. Annual activities undertaken as part of the established public review of the STIP include the following:

- a. Hold meetings with Local Government Officials to review and comment on the Proposed Draft STIP.
  - b. Provide for the continuous involvement of the "Family of Partners" (5,000+ members), who assist the Department in the Draft STIP public review process.
  - c. Sponsor and publicize local public meetings at six DOT District offices around the State for review of the Draft STIP.
  - d. Coordinate review process of public comments on the Draft STIP.
  - e. Make appropriate changes to the combined Draft STIP based on the public involvement process.
  - f. After adoption of the STIP by the State Transportation Board and approval by FHWA and FTA, print and distribute the STIP statewide and maintain the STIP on the Department's web page.
6. Develop and administer contracts with 15 of Georgia's Regional Development Centers (RDC). The RDC contracts will provide assistance in the TE Program, Safe Routes to School program, rural transit, bike/pedestrian initiatives and the Scenic Byway Program.
  7. Review consultant qualifications, state clearinghouse proposals, National Historic Register candidates and other documents as required.
  8. Administer the Transportation Enhancement program for the Department. Provide training to project managers and project sponsors. Administer consultant contract to provide program and project management services statewide.
  9. Manage the Scenic Byway Program for the Department, identifying scenic highways, evaluating candidate applications, recommending highways for scenic designation, administering Federal grants, and attend or host a Scenic Byways Conference.
  10. Manage the State Bicycle and Pedestrian program for the Department.
    - a) Develop GDOT Bicycle Facilities Design and Policy Manual, including manage consultant contract, and facilitate input from GDOT internal task team and the State Bicycle and Pedestrian Advisory Committee. .
    - b) Produce and print new state bicycle maps and Georgia Bike Sense guides.

c) Host 2<sup>nd</sup> biannual State Bicycle and Pedestrian Conference.

11. Evaluate new Federal Transportation legislation as it pertains to Statewide and Regional transportation planning. Monitor the Federal Register for any announcements that could potentially impact Planning and/or the Department. Develop procedures for coordination and implementation of federal rules and regulations.
12. Manage the Policy Analysis Bureau to evaluate and review the requirements under SAFETEA-LU as it pertains to Department policy and programs. Maintain regular communication with Department management and federal Congressional delegation on legislative and regulatory issues. Develop procedures for documentation and communication on policy analysis issues.
13. The Office of Planning also anticipates participating in activities associated with Clean Air Act Amendments of 1990 and SAFETEA-LU for the Georgia areas defined for 8-hour ozone and/or PM2.5 nonattainment. The activities may include consultant participation for travel demand models, air quality models, preparation and/or review of documents, and the coordination with EPD, EPA, USDOT, MPOs and local governments as needed.
14. Administer and manage the Georgia CMAQ Program in existing and proposed nonattainment areas in Georgia. Guide implementation of the State CMAQ Program project selection process, in collaboration with Federal, State, and Local partners. Prepare the Annual CMAQ Report. Participate as needed and monitor the voluntary TDM program for nonattainment areas and attainment areas identified by the Department, facilitating the transfer of knowledge and experience from existing successful programs to areas moving into nonattainment.
15. Continue updating project cost estimates as a result of the Project Cost Estimate Update Study. This study is developing a guide book on how to develop planning level project costs, and the consultant is using the guide book to update project costs (PE/ROW/CST) for 583 projects.
16. Begin development of a new Statewide Freight Plan, to include both a policy level discussion and identification of specific freight improvements/projects.
17. Manage the State Safe Routes to School program, manage consultant contracts for infrastructure and non-infrastructure activities, conduct trainings and workshops, and work with local jurisdictions in coordination and in support of the Safe Routes to School program.

<b>C. ESTIMATED COST FOR FISCAL YEAR 2009</b>	<b>\$ 4,400,000 (80% Federal)</b>
	<b>\$ 1,100,000 (20% State)</b>
	<b>\$ 5,500,000 Total</b>

**GDOT PLANNING ELEMENT 8: FINANCIAL MANAGEMENT**

**RESPONSIBLE SECTION:** Office of Financial Management

**A. PURPOSE AND SCOPE:** To develop the comprehensive transportation improvement documents necessary to combine the Department's long-range and short-range planning process with available resources into a 6-year Construction Work Program of identified projects for engineering, right-of-way and construction.

**B. PROPOSED ACTIVITIES FOR FY 2009:** Provide the following services as listed:

Continuous update of the Department's Six Year Construction Work Program (CWP) to insure a balance of projects versus anticipated funding over the program period. Publish and maintain CWP Web site.

Maintain all fund balances and produce a weekly balance report. Prepare Congressional District monthly expenditures and report totals yearly to the Governor and Speaker of the House.

Coordinate with other offices the development, update and review of the Transportation Improvement Programs (TIP) and State Transportation Improvement Program (STIP).

Produce a monthly project letting list for the State Transportation Board's approval.

Prepare all Federal-aid Work Authorization requests for expenditure of Federal-aid funds.

Initiate close-out requests for all inactive Federal-aid projects and follow up on the actions taken.

Coordinate and process all Federal-aid funding documents to FHWA for final approval. This includes Work Authorizations, Project Agreements, Project Agreement Modifications and Final Vouchers.

Prepare the Transportation Planning Work Program, and the Transportation Planning Performance Report.

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**C. ESTIMATED COST FOR FISCAL YEAR 2009:**    \$ 740,000 (80% Federal)  
  \$ 185,000 (20% State)  
  \$ 925,000 Total

**GDOT PLANNING ELEMENT 9: URBAN TRANSPORTATION PLANNING**  
**Urbanized Areas, Population Over 50,000**

**RESPONSIBLE SECTION:** Office of Planning:  
Central Georgia Planning Branch, North Georgia  
Planning Branch, South Georgia Planning Branch,  
Atlanta Planning Branch

**A. PURPOSE AND SCOPE:** To assist the officials at all levels of government in determining transportation needs and appropriate priorities for transportation improvements, a cooperative, comprehensive, continuing transportation planning process is in effect in each urbanized area. In addition, detailed information necessary for design and implementation is produced by these transportation studies. This work is accomplished in accordance with SAFETEA-LU.

In addition to participating in and supporting the work outlined in the UPWPs, the Office of Planning provides project implementation support, conducts special studies, and provides planning information to the MPOs, local governments and citizens. The Office reviews consultant qualifications, state clearinghouse proposals, Developments of Regional Impact, National Historic Register candidates, concept reports, and other documents as required. The Office of Planning is responsible, with assistance from the MPOs, for the travel demand modeling in thirteen of the fifteen urbanized areas. The Atlanta Regional Commission and the Tennessee DOT, with the Department's assistance, are responsible for the Atlanta and Chattanooga travel demand models, respectively.

The Office of Planning also anticipates participating in activities associated with Clean Air Act Amendments of 1990 and SAFETEA-LU for the Georgia areas defined for 8-hour non-attainment and PM2.5 non-attainment. The activities may include consultant participation for congestion management system plans, travel demand models, air quality models and the coordination with public involvement, EPD, EPA, MPO's and local governments as needed.

**B. PROPOSED ACTIVITIES FOR FY 2009:**

**A. ALBANY** (Dougherty Area Regional Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009:

\$ 5,000

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**B. ATHENS** (Athens-Clarke-Oconee Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 70,000

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**C. ATLANTA** (Atlanta Metropolitan Area Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 380,000

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**D. AUGUSTA** (Augusta Regional Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 86,000

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**E. BRUNSWICK** (Brunswick Area Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 86,000

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**F. CHATTANOOGA** - Georgia Portion (Chattanooga Urban Area Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 50,000

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**G. COLUMBUS** (Columbus-Phoenix City Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 110,000

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**H. DALTON** (Dalton-Whitfield County Transportation Study)  
See Unified Planning Work Program

ESTIMATED COST FOR FISCAL YEAR 2009: \$ 48,000

**I. GAINESVILLE** (Gainesville -- Hall County Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 71,000

**J. NESVILLE** (Hinesville -- Liberty County Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 60,000

**K. MACON** (Macon Area Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 135,000

**L. ROME** (Floyd-Rome Urban Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 60,000

**M. SAVANNAH** (Chatham Urban Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 70,000

**N. VALDOSTA** (Valdosta -- Lowndes County Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 88,000

**O. WARNER ROBINS** (Warner Robins Area Transportation Study)  
See Unified Planning Work Program

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ESTIMATED COST FOR FISCAL YEAR 2009: \$ 99,000

**P. CONSULTANT SERVICES**

**\$2,500,000**

\* Each MPO will submit a separate Unified Planning Work Program (UPWP) detailing activities and expenditures for Metro Planning funds.

**C. ESTIMATED AMOUNT FOR FISCAL YEAR 2009: \$ 3,198,400 (80% Federal)**

**\$ 799,600 (20% State)**

**\$ 3,998,000 Total**



## **CHAPTER 10      Strategic Management and Legislative Liaison Group**

**RESPONSIBLE SECTION:**      Office of Strategic Development

**PURPOSE AND SCOPE:** The Strategic Management Group is responsible for development and implementation of the agency's department-wide strategic planning/management program. The Strategic Management Group's business purpose is to develop, facilitate, and support the implementation of strategic planning, management, and measurement throughout GDOT.

The State Legislative Liaison is responsible for proactively monitoring state and Federal legislative initiatives that could affect the mission of the Department and delivery of its program. The State Legislative Liaison insures that Department management is aware of the progress of legislation and policy initiatives and the impact these could have on the Department. This is accomplished by making daily reports and maintaining an interactive website for Department managers. Analysis and research on proposed legislation is coordinated and managed through this office.

The Department is committed to delivering its transportation programs through a strategic approach. One major aspect that will be emphasized is to support the integration of organizational performance through its programs and processes using performance standards, performance measures and quality improvements to maintain and improve the organization's health.

### **PROPOSED ACTIVITIES FOR FISCAL YEAR 2009:**

1. Develop, disseminate and communicate pertinent information about strategic management initiatives and activities within the Department.
2. Through internal and external consultant services, facilitate development of strategic planning/management initiatives with various Department offices.
3. Continue work on the Strategic Planning/Management process to evaluate current issues, provide training and support, and evaluate Department alternatives and impacts to the transportation program. Strategic Management Group staff will obtain training to enhance their skills and knowledge to support departmental initiatives and projects.
4. Continue to work on the Transportation Board and Department commitments to strategic planning/management in order to achieve the Department's vision, mission, goals and objectives. The strategic management process is the driving mechanism towards achieving the Department's vision and mission.

5. Develop brochures, posters and other information materials communicating the Department's strategic planning efforts and accomplishments. The materials will be distributed to employees.
6. Facilitate the continued refinement of performance measures in all Divisions/Districts/Offices to track progress and promote accountability.
7. Provide on-going technical and consultative services to Offices/Districts department-wide in continued development and refinement of measures for Scorecards that align with the Department's overall mission.
8. Automation of Dashboards and Scorecards. Continue to work with IT Business Analysts to identify and document source systems for data automation. BA's will continue to develop reporting queries to extract data from systems.
9. Continued development of Division Dashboards and Office Scorecards through Business Object's Dashboard Manager.
10. Provide ongoing training and support to users of the Dashboard Manager. Continue to develop "desktop" user manuals.
11. Provide data analysis of the Department's Dashboard, Division Dashboards and Office Scorecards to the Leadership team, Division Directors, Office Heads and others as specified.
12. Assist leadership and management with the development and refinement of business measures as required for the Governor's Prioritized Program Budget.
13. Integrate the concepts of Applied Strategic Thinking coursework and exercises with Covey trainings to assist the Department's personnel in understanding an individual employee's role in contributing to the Department's mission and vision.
14. Identify and make recommendations for changes needed to improve performance towards meeting GDOT goals and objectives.
15. Purchase an Initiative Management software application to track and report out on strategies associated with strategic Goals and Objectives.
16. Review proposed state and federal legislation impacting the transportation program, prepare summary reports and develop recommendation for the Department's management. Maintain files and logs of state legislation presented to the Legislature, its current status and final disposition.

17. Establish and utilize electronic access to federal and state legislation and other related information necessary to keeping up with current developments. The electronic access is provided through consultant services contract. This service will provide information needed to do prompt evaluation and analysis of potential impacts of legislative initiatives to Transportation Programs.
18. Conduct research and develop reports on transportation policy issues affecting the Department's programs. Special studies may consider economic development, transportation financing and transportation system management impacts.

1. Consultant Services:	\$ 200,000
2. Training	\$ 10,000
3. Travel	\$ 5,000
4. Supplies and Materials:	\$ 15,000
5. Equipment	\$ 5,000
6. TRAQS PM- Purchase software for Initiative Management Application Enterprise Licensing Agreement	\$ 100,000

ESTIMATED COST FOR FISCAL YEAR 2009:	\$ 268,000	(80% Federal)
	\$ 67,000	(20% State)
	\$ 335,000	Total

## **GDOT PLANNING ELEMENT 11: SPECIAL STUDIES**

**RESPONSIBLE SECTION:** Division of Transportation Planning, Data & Intermodal Development

**A. PURPOSE AND SCOPE:** The need frequently arises for special studies, which the Department would like to undertake. This element is reserved for any such studies.

### **B. PROPOSED ACTIVITIES FOR FY 2009: Studies Anticipated:**

- Complete activities on the Radial Freeway Strategic Plan. This study will evaluate the radial freeways in and around metro Atlanta. This is a continuing effort by the Department to evaluate the interstate system in Georgia and will be the final piece, following the Interstate System Plan, the Downtown Connector study and the I-285 Strategic Implementation Plan. Work underway with an anticipated completion date of Fall 2008.
- Continue work on the Albany Interstate Connection Study, which began in November 2007. The study will determine if the need exists to construct an Interstate/Freeway type facility between Albany and the I-75 and/or I-185. And develop a planning level preferred alignment and costs to construct said highway.
- Complete work on the Project Prioritization Study. Study initiated in FY 2006 and set to kick-off in FY 07. Purpose is to develop methodology, both quantitative and qualitative, for prioritizing the 5000+ projects currently identified by the Department. Methodology will also include process for prioritizing newly identified projects that will enter the Departments Construction Work Program and Long Range program.
- Initiate and complete the next round of aerial congestion surveys (formerly known as SkyComp) for the Atlanta metro area. The Department intends to update the various flights on a cyclical basis.
- Conduct corridor study on US 411 from Rome Georgia in Floyd County to Cartersville in Bartow County. Focus of study will be the development of an access management plan for the corridor.
- Other special studies to be determined

A detailed work plan will be submitted to FHWA to request funding eligibility for each special study. Upon approval by FHWA, a SPR project number will be assigned for each Special Study.

<b>C. ESTIMATED COST FOR FISCAL YEAR 2009:</b>	<b>\$ 3,200,000 (80% Federal)</b>
	<b>\$ 800,000 (20% State)</b>
	<b>\$ 4,000,000 Total</b>