



SunGuide® Disseminator



# FDOT ITS District Progress Reports

Following is a compilation of quarterly progress reports provided by FDOT Districts and the Florida Turnpike Enterprise:

• • *District One* • •

### *Advanced Traffic Management Systems*

#### **Manatee County Advanced Transportation Management System, Phase I, Design-Build Construction (416119 1 52 01)**

This is a design-build project which will complete the design and construct an upgrade to the existing signal system in Manatee County and the City of Bradenton. This ATMS upgrade will include new central hardware and software, new controllers and cabinets at 142 intersections, an updated communications plant, and video monitoring at 40 locations. This project will also deploy 40 new vehicle detection stations for monitoring traffic flow throughout the traffic management system. The Manatee ATMS project will include construction of a video wall and integration of the central ATMS components into the Manatee County Public Safety and TMC. A design-build contractor was selected in June 2008. The Notice to Proceed (NTP) was issued on October 19, 2008. The construction duration is approximately 700 days. The plans were released for construction on April 7, 2010. The anticipated completion date is January 5, 2011.

Approx. Completion: January 2011  
Contact: Mark Roberts (863) 519-2591

#### **Manatee County Advanced Transportation Management System, Phase II, Design-Build Construction (426635 1 52 01)**

This is a design-build project which will provide complete design and construct Phase 2 of the ongoing Manatee ATMS Phase 1 construction project which will upgrade the remaining signalized intersections in Manatee County and the City of Palmetto. This ATMS upgrade will include new controllers and cabinets at 88 intersections, with fiber connections to 66 and reconnection of existing communications to 22; an updated communications plant utilizing new and existing conduit; video monitoring at 20 locations connected via fiber; integration of all eight existing dynamic message signs (DMS); 20 new vehicle detection stations for monitoring traffic flow; and integration into the existing Manatee County Public Safety and transportation management center (TMC) and with the ongoing Manatee ATMS Phase 1 project. A design-build

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contractor was selected in September 2009. The NTP was issued on October 13, 2009. The construction duration is approximately 600 days. This project is utilizing federal funds from the American Recovery and Reinvestment Act.  
Approx. Completion: May 2011  
Contact: Mark Roberts (863) 519-2591

### **Lee County Advanced Transportation Management System, Design-Build Criteria Package Development (412636 2 32 01)**

This project will develop an Intelligent Transportation Systems (ITS) Master Plan to be used as the basis for upgrading the existing Lee County signal system and will define the requirements for an advanced transportation management system for Lee County. This project will develop all Federal Highway Administration (FHWA) required documentation and provide a project Implementation Plan. This project will also complete a Design-Build Requirements Package to be used to secure a design-build team, which will complete the design and construct an upgrade to the existing Lee County signal system. The ATMS upgrade will include new central hardware and software, new controllers and cabinets, an updated communications plant, vehicle detection stations for monitoring traffic flow, and video monitoring at selected locations. This project was advertised as of November 9, 2009, and a consultant has been selected. Currently, this project is developing the ITS Master Plan.  
Approx. Completion: January 2012  
Contact: Mark Roberts (863) 519-2591

### *Freeway Management Systems*

### **I-75 Freeway Management System for Charlotte County Design-Build Construction Project (414738 1 52 01)**

This is a design-build construction project which will complete the design and construct the extension of the I-75 Freeway Management System from the Lee/Charlotte County Line to the Charlotte/Sarasota County Line. The project includes the design and installation of ITS field elements, which include closed-circuit television (CCTV) cameras, DMS, a road weather information system (RWIS), microwave vehicle detection, highway advisory radio (HAR), and fiber optic communications cable and

transmission equipment along I-75 throughout Charlotte County. These field elements will be integrated into the SouthWest Interagency Facility for Transportation (SWIFT) SunGuide® Center. The NTP was issued on February 21, 2009. The construction duration is approximately 720 days. The pre-construction meeting was held September 4, 2009. Construction began in the field in November 2009. The project is currently in the final stages of construction and standalone testing has begun.  
Approx. Completion: February 2011  
Contact: Mark Roberts (863) 519-2591

### **I-75 Freeway Management System for Sarasota and Manatee Counties, ITS Design-Build Requirements Package Development (414730 2 32 01, 414732 2 32 01)**

This project includes the development of the design-build criteria package for the final design and installation of ITS field elements, which include CCTV cameras, DMSs, RWIS, microwave vehicle detection, HAR, and fiber optic communications cable and transmission equipment along I-75, from the Charlotte/Sarasota County line to the I-275 interchange in Manatee County. These field elements will be integrated into the SWIFT SunGuide Center in Fort Myers and the Sarasota/Manatee Satellite TMC in Manatee County. The Kick-off meeting was held on March 1, 2010.  
Approx. Completion: March 2011  
Contact: Katherine Duvall (863) 519-2726

### **Districtwide RTMC ITS Operations Contract (417733 1 82 01)**

This project provides the funding for the operation costs for the District 1 RTMC. The contract was executed in June 2007. Operations commenced 24-hours/7-days per week coverage on January 19, 2010.  
Approx. Completion: June 2012  
Contact: Katherine Duvall (863) 519-2726

### **Districtwide ITS Maintenance and Fiber Locates Contract (419713 1 72 01 and 419714 1 32 01)**

This project provides funding for the maintenance and utility locate costs for the District One ITS field device systems and associated utilities. The contract was executed in



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January 2008. Maintenance services commenced on January 20, 2010.

Approx. Completion: January 2013

Contact: Katherine Duvall (863) 519-2726

## *Incident Management*

### **Lee County Bridge Incident Management System (IMS), Design-Build Construction Project (405462 4 52 01)**

This is a design-build construction project which will complete the design and construct a bridge incident management system (IMS) in Lee County. When complete, the bridge IMS will route traffic around an incident on either the Caloosahatchee or Edison bridges in Fort Myers. The project includes the design and installation of ITS field elements, which include new central hardware and software, video monitoring at selected locations, arterial DMSs, dynamic trailblazers, RWIS, microwave vehicle detection on the bridges, highway advisory radio (HAR), wireless communications equipment, and fiber optic communications cable and transmission equipment. These field elements will be integrated into the Lee County Signal Operations Center. The NTP was issued on July 17, 2010. The construction duration is approximately 490 days. The kick-off meeting was held August 26, 2010. The design-build firm has submitted the 90 percent plans for review.

Approx. Completion: November 2011

Contact: Mark Roberts (863) 519-2591

### **Districtwide Road Rangers Service Patrol Contract (422286 1 72 02)**

This is a service contract for Road Ranger Service Patrols on Interstate roadways in District 1 and the Sunshine Skyway Bridge. The RFP Bid Package was executed in October 2007, with a start work date of January 1, 2008. This project will separate the service patrol function from asset maintenance contracts and will be managed by the District 1 Traffic Operations Division. Road Ranger Service Patrols currently operate 7 days each week based on customized schedules designed to optimize the services and benefits to the public based on project funding. The vendor is currently searching for sponsorship opportunities.

Approx. Completion: December 31, 2012

Contact: Bill Fuller (239) 225-9815

### **Rapid Incident Scene Clearance (RISC) (424192 1 82 01)**

This open ITN contract will secure multiple qualified wrecker service vendors for meeting minimum response times and minimum equipment standards in order to rapidly clear the interstate roadway of crash vehicles and debris. Once all terms and conditions of the contract are met, FDOT will provide bonus incentive dollars to the contractor based on performance. Furthermore, unwarranted delays which exceed FDOT's contract expectations result in financial penalties assessed against the contractor. Currently, two vendors are under contract.

Approx. Completion: July 2011

Contact: Bill Fuller (239) 225-9815

## *ITS Planning and Project Development*

### **Districtwide Intelligent Transportation Systems General Consultant Traffic Operations (417470 1 32 01)**

This ITS General Consultant Project will provide District 1 with a broad-range general consultant supporting the District on an as-needed basis. The contract was executed in January 2006, and will reach the maximum dollar contract amount at the end of fiscal year 2009, or soon after. A new contract is expected to be executed in July, with a start work date in August, 2009.

Approx. Completion: June 2012

Contact: Mark Roberts (863) 519-2591

## *Advanced Public Transportation Systems*

### **Manatee County Area Transit (MCAT) (205219 1 94 01)**

This project is upgrading the dispatching system including capital cost for an automated vehicle location (AVL) system. Manatee County Transit is completing the final installation of the paratransit components at this time.

Approx. Completion: December 2010.

Contact: Roxann Lake (863) 519-2340

### **Lee County Transit (LeeTran)—Customer Information and Trip Planning Program (417991 1 94 01)**

This project provides capital costs for a Web-based customer trip planning software / hardware. This system will help customers



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arrange car or van pools, plan bus trips, etc., from any computer. LeeTran is currently working with Transched to implement the application. The project also includes route scheduling and management software.

Current status: Project is in a testing phase (August 1, 2010 – September 30, 2010). The project is expected to be fully operational by December 1, 2010.

Approx. Completion: 2011

Contact: Julia Davis (239) 656-7800

## • • District Two • •

### *Advanced Traffic Management Systems*

#### **Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Phase VII (213238-3)**

This systems manager project on State Road 9-A, from I-95 north of Jacksonville to Atlantic Boulevard, involves construction/installation of master communication hubs, fiber optic cable, communications equipment, closed-circuit television (CCTV) cameras, traffic detection units, ten dynamic message signs (DMS), connection to the Jacksonville Fiber Optic Network, and software integration/enhancements. This is a 14-mile project that will incorporate tie-into the Phase VIII and Phase IV deployments as well as the Atlantic Boulevard arterial network. Metric Engineering has been selected as the systems manager consultant. District Two executed a competitive bid to purchase Approved Products List (APL) equipment in September. A contract to install the equipment was awarded to Southeast Underground Utilities Corporation. HNTB was selected as the consultant for the construction engineering and inspection (CCEI) contract.

Construction Begins: Spring 2011

Contact: Peter Vega (904) 360-5463

#### **Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Phase VIII (213238-4)**

This systems manager project on I-295, from I-95 north of Jacksonville to I-10, involves construction/installation of master communication hubs, fiber optic cable, communications equipment, CCTV cameras, traffic detection units, eight DMSs, connection to the Jacksonville Fiber

Optic Network, and software integration/enhancements. This is a 12-mile project that will incorporate tie-into the Phase II, Phase IV, Phase V, and Phase VII deployments. Gannett-Fleming Engineering was selected as the systems manager consultant firm to design the deployment. Selection was completed in September 2009. District Two executed a competitive bid to purchase APL equipment in September. A contract to install the equipment will be advertised in March 2011 with letting in the spring of 2011. The CCEI contract will be combined with the CCEI for 213238-3.

Approx. Letting: Spring 2011

Contact: Peter Vega (904) 360-5463

#### **Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Phase IX (209168-3)**

This systems manager project on State Road 9-A, from I-95 south of Jacksonville to Atlantic Boulevard, involves construction/installation of master communication hubs, fiber optic cable, communications equipment, CCTV cameras, traffic detection units, ten DMSs, connection to the Jacksonville Fiber Optic Network, and software integration/enhancements. This is an 11-mile project that will incorporate tie-into the Phase III, Phase VI and Phase VII deployments. Metric Engineering was selected as the systems manager consultant firm to design and integrate the deployment. A competitive bid to purchase and install the equipment will be advertised in July 2012 with letting in the fall of 2012. A CCEI contract will be advertised in the spring of 2012.

Advertisement for Construction: March 2012

Advertisement for CCEI: December 2011

Contact: Peter Vega (904) 360-5463

#### **Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Big "I" Interchange (213243-1-52-05)**

This design/build project at the I-10/I-95 interchange involves construction/installation of conduit, fiber optic cable, communications equipment, CCTV cameras and traffic detection units, and connection to the Jacksonville Fiber Optic Network. This is a 2-mile project incorporating tie-into the Phase II, Phase III, and Phase VI deployments. URS is assisting with the design. The contract will be low bid to handle the deployment. Advertisement will occur in the



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spring of 2011 with final selection in the summer. In-house CEO will be utilized on this project.

Selection of Design/Build Team: Summer 2011.  
Contact: Peter Vega (904) 360-5463

### *Northeast Florida Transportation Planning Projects*

#### **Traffic Signal Wireless Interconnect (TBD)**

This project will provide wireless connectivity between the terminus point of traffic signal systems on both sides of the Intracoastal Waterway. The project will involve the installation of transceivers, receivers, and repeaters to tie in two systems. The data transmitted will involve Traffic Controller, ADMS and CCTV information.

Selection Date: August 2011  
Contact: Peter Vega (904) 360-5463

#### **Fiber Optic Communication System (TBD)**

This project will be in Clay County and involves interconnecting the State Road 21 traffic signal system to the Public Works Office. The estimated distance is six-miles and will go from the SR 21/College Drive intersection to the Clay County office on Sleepy Hollow Drive.

Selection Date: September 2011  
Contact: Peter Vega (904) 360-5463

#### **Advanced Traffic Management System (TBD)**

This project will involve the installation of ITS-compliant traffic signal controllers, cabinets, CCTV cameras, and fiber optic cable on US 17 in Clay County from Creighton Road to south of CR 220.

Selection Date: September 2013  
Contact: Peter Vega (904) 360-5463

### • • *District Three* • •

#### *Advanced Traffic Management Systems*

#### **Bay County ITS Integration Project / Phase III of the Bay County Advanced Traffic Management System (ATMS) (408412-5)**

Phase III of the Bay County Regional ITS project expands the benefits of the previous two phases to additional corridors and intersections within Bay County. The Phase III project will include the integration of roadways/signalized intersections

on the west side of the Hathaway Bridge as well as incorporating additional outlying signalized intersections on the east side of the bridge.

Bay County will issue a Design-Build Request for Proposal (RFP) through its procurement process to solicit competitive bids and proposals to design, procure, install, integrate, and test the third phase of the Bay County Regional ITS project. The county plans to utilize the Adjusted Score Design-Build (ASDB) methodology to award the contract for the Phase III project.

Bay County may elect to further expand the scope of the Phase III project by incorporating additional funding provided by local project partners, such as Bay District Schools, Panama City Beach, etc., who would realize an economy-of-scale by participating in the Phase III project. Further expansion of the Phase III project along additional routes will be contingent upon the final amount of local funds provided to Bay County by local project partners.

Bay County is presently developing the procurement documents for the Phase III design-build contract, which will be advertised by the county in the March 2011 timeframe.

Contact: Chad Williams (850) 415-9504 or Cliff Johnson (850) 415-9694

#### *Freeway Management Systems*

#### **I-10 / I-110 Freeway Management System for Escambia & Santa Rosa Counties and Regional Transportation Management Center (414706-1)**

On June 30, 2008, FDOT executed a contract with TransCore ITS, LLC, to establish a regional transportation management center (RTMC) and freeway management system (FMS) to manage traffic on I-10 and I-110 in the Pensacola metropolitan area. The scope of work includes preparing deployment plans and specifications, system hardware and software procurement, hardware compatibility testing, system communications testing, coordinating system deployment, performing system integration, providing system documentation and training, performing system evaluation, data management, and providing on-going operation and



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maintenance in support of a comprehensive FMS. This FMS is to be deployed along approximately 32 miles of I-10 beginning at the Florida/Alabama state line and ending in Santa Rosa County approximately one mile east of the I-10 and SR 87 interchange. The FMS will also include all of I-110. The ITS field elements to be deployed along the interstates include dynamic message signs (DMS), closed-circuit television (CCTV) cameras, traffic detection units, road weather information systems (weather stations), and fiber optic communications cable and transmission equipment. A primary goal of the FMS is to provide the public with real-time information on current traffic conditions along I-10 and I-110. Concurrent with this service, the FMS operation will contribute to the reduction in congestion due to incidents, both planned (e.g., local events, atypical holidays, etc.) and unplanned (e.g., hurricane evacuations, crashes, debris, etc.) through incident management activities that will reduce the duration of disruptions and improve traffic flow. In addition, the contractor will administer a Road Ranger Service Patrol program along the aforementioned interstate limits for the region.

The duration of the contract is for ten years with a renewal option for one additional term not to exceed ten years. The RTMC (which is not yet under construction) is planned to operate 16-hours per day/5-days a week. The notice to proceed was issued to TransCore ITS on July 24, 2008, and the date for having a fully operational RTMC and FMS is early 2011. Construction of the first component of the FMS officially began on March 4, 2009. Contact: Chad Williams (850) 415-9504 or Cliff Johnson (850) 415-9694

## **I-10 Freeway Management System for Tallahassee Area and Regional Transportation Management Center (414716-1, 414718-1 & 414720-1)**

FDOT and City of Tallahassee have agreed to pursue alternatives that may exist for the city to administer the design, construction, operation, and maintenance of the Tallahassee I-10 FMS and associated RTMC, and to pursue opportunities for collocation of services among the city, the FDOT, and other agencies, such as the Florida Highway Patrol.

This project includes the design and installation of ITS field elements, including DMSs, CCTV cameras, microwave detection, and fiber optic communications cable and transmission equipment, along I-10. The FMS will also include Road Ranger Service Patrols dispatch. The RTMC will include designated office space for personnel and will house monitoring and control capabilities for the I-10 FMS and the Tallahassee Advanced Traffic Management System (TATMS); other ITS to be installed in the future; and the staff necessary to operate these systems.

A binding Joint Project Agreement was executed specifically to address project administration and funding obligations of the parties, associated with the design, construction, operations and maintenance of the FMS and RTMC. The parties recognize the potential cost and time savings resulting from their joint participation, and believe a partnership in all aspects of the FMS and RTMC development, deployment, and operation and maintenance will ultimately result in more cost-effective management of traffic within Leon County.

The City of Tallahassee, through its competitive bidding process, has procured the services of a Program Manager to oversee the FMS and RTMC projects. The Program Manager will administer and oversee other consultant/contractor team(s) associated with the FMS and RTMC projects, which may include a design-build team or a series of firms that have individual contracts, and will be able to perform the entire project from design through integration and testing. The Program Manager is presently developing the procurement documents for a FMS/RTMC design-build contract, which will be advertised by the city in the February 2011 timeframe.

Contact: Chad Williams (850) 415-9504 or Cliff Johnson (850) 415-9694



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## • • District Four • •

### *Advanced Traffic Management Systems*

#### **Interim Traffic Management System (ITMS) (411067 1 32 01)**

This project provides for development of a temporary interim traffic management system (ITMS) for Palm Beach County, including eight years of operations and maintenance for the system. This facility officially opened on July 8, 2003, and, as of August 2004, operates on a 24-hour/7-day a week schedule. Some operational responsibilities include: dispatching of the Palm Beach Road Rangers and coordination on operational issues with the District 6, Broward County Transportation Management Center (TMC), Florida's Turnpike Enterprise, and SmarTraveler®. This project has been funded through January 2011. In August 2009, the ITMS moved operations from a leased facility into a permanent location at the TMC in the Palm Beach County VISTA center.

Approx. Completion: January 2011

Contact: Daniel Smith (954) 847-2633

#### **Districtwide ITS Operations Support Services Contract (231654-7-82-01 231654-7-82-02)**

This project is for the management and operations of the Broward County TMC, constructed as part of the Broward County ITS Operations Facility project (231654-1-52-01). This project includes operation of the I-95/I-595/I-75 Broward County Dynamic Message Sign System on a 24-hour/7-day a week schedule, dispatching of the Broward Road Rangers, and coordination on operational issues with District 6, the Turnpike, the ITMS project, and SmarTraveler. This contract was awarded to AECOM after completion of the Invitation To Negotiate (ITN) process. Services began May 7, 2010.

Approx. Completion: May 2015

Contact: Daniel Smith (954) 847-2633

#### **Districtwide ITS Systems Software Support Services (416259-1-32-01)**

This project provides software support services for the District 4 ITS. This project includes a dedicated full-time Database Administrator (DBA)/Programmer to support ITS projects throughout the District including Broward, Palm

Beach, Martin, St. Lucie, and Indian River Counties. Currently the DBA/Programmer is based at the Broward SMART SunGuide TMC and responds 24-hour/7-days a week to all software/database concerns.

Approx. Completion: June 2011

Contact: Dong Chen (954) 857-2796

#### **District 4 ITS Maintenance (406795-3-8B-01, 406795-3-72-01)**

This project is for the maintenance of the ITS devices in District Four, including: dynamic message signs (DMS), closed-circuit television (CCTV) cameras, vehicle detection systems (VDS), fiber optic cable, and all other ITS devices deployed. The project will include the maintenance services necessary to maintain complete functionality and operational status, preventive/routine maintenance, diagnostic work, and major/minor repairs/replacements. The contract was awarded to TransCore with an NTP in October 2007.

Approx. Completion: October 2010, New contract for the next three years will be advertised in the immediate future.

Contact: Anthony Mendoza (954) 847-2798

#### **Districtwide ITS General Consultant (4155291-32-01)**

This project provides District Four with a broad-range general consultant service allowing support to the District on an as-needed basis. The project also provides a full-time person on-site at the SMART SunGuide TMC. The contract was awarded to Vanus Group of Garnett Fleming in February 2010.

Approx. Completion: February 2013

Contact: Dong Chen (954) 847-2796

### *Incident Management*

#### **Traffic Incident Management (TIM) Team (230357 2 32 02)**

A new contract was awarded to AECOM on February 5, 2009, and service began on April 1, 2009. A second TIM coordinator position was included in this contract to facilitate meetings for the newly formed Treasure Coast TIM Team. The Treasure Coast TIM Team includes representatives from Martin, St. Lucie, and Indian River Counties. The other TIM coordinator facilitates meetings of the Broward



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and Palm Beach County TIM Teams. All counties within FDOT District Four now have established TIM teams. The 595 Express Team has joined the Broward TIM Team and will provide bi-monthly construction updates at each meeting.

Approx. Completion: June 30, 2011

Funding: \$400,000 annually

Contact: Gaetano Francese (954) 847-2797

### **Broward County Severe Incident Response Vehicle (SIRV) (422332 1 82 01)**

This project was awarded to DMJM Harris and services began on February 1, 2008. The project provides three Severe Incident Response Vehicles (SIRV), three SIRV operators, and one SIRV supervisor to respond to Levels 2 and 3 incidents on the interstates in Broward County and will be dispatched from the Broward County SMART SunGuide TMC. Once on scene, SIRV becomes the Incident Commander for FDOT activities. They are used as other agencies' point of contact for anything needed from FDOT and provide coordination among responders. The two SIRV will patrol I-95 and I-75 during peak hours. The Broward County SIRV project has been expanded to provide peak hour patrols Monday through Friday in Palm Beach County as a pilot project. This will lay the groundwork for a permanent SIRV project in Palm Beach County. The Broward County and Palm Beach County SIRV projects will be combined into one contract to be advertised in February 2011.

Approx. Completion: January 30, 2011

Contact: Gaetano Francese (954) 847-2797

### **Broward County I-95/595/75 Road Rangers Service Patrol (231723 3 72 01)**

This project provides Road Rangers to patrol the Interstates and help stranded motorists and assist law enforcement with incident management. A new contract was awarded to Sunshine Towing and services begin on September 1, 2010. As part of this contract, a Road Ranger will patrol Oakland Park Blvd. Monday through Friday during peak hours as part of the District's transportation systems management and operations (TSM&O) initiative. Approx. Completion: Contract ends August 31, 2015

Contact: Gaetano Francese (954) 847-2797

### **Palm Beach County I-95 Road Rangers Service Patrol (231924-3-72-01)**

This project provides Road Rangers to patrol the Interstates and help stranded motorists and assist law enforcement with incident management. A new contract was awarded to Anchor Towing and services begin on September 1, 2010

Approx. Completion: August 31, 2015

Contact: Gaetano Francese (954) 847-2797

### **Treasure Coast Road Ranger Service Patrol (412495-1-72-01)**

This project provides Road Rangers along I-95 through the Treasure Coast, which is comprised of Martin, St. Lucie, and Indian River Counties. Road Rangers provide roadside assistance to stranded motorists and assist law enforcement with incident management. The contract was awarded to Anchor Towing. Service begin on September 6, 2010.

Approx. Completion: Contract ends June 14, 2013

Contact: Gaetano Francese (954) 847-2797

### **Rapid Incident Scene Clearance (RISC) (4241881-1-82-01)**

In October 2008, a rapid incident scene clearance (RISC) contract was advertised for District Four. This is an open contract for three years for qualified vendors to provide clearance and recovery services for major incidents requiring specialized heavy duty recovery equipment. Bonuses are paid for clearing incidents in less than 90 minutes as stated in the Statewide Open Roads Policy. RISC activations began in July 2009. District Four currently has 5 RISC vendors under contract.

Approx. Completion: 2011

Contact: Gaetano Francese (954) 847-2797

### *Advanced Traveler Information Systems*

#### **Palm Beach County ITS Deployment (404827-1)**

This design-build project includes deployment of CCTV, DMS, traffic detectors, fiber communication network along I-95 within Palm Beach County. The project was awarded to TransCore; Phase A is in the construction phase.

Approx. Completion: December 2012

Contact: Jason Trujillo, (954) 847-2635



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## **Northern Counties ITS Deployment (414703-1, 414704-1, 414705-1)**

This design-build project continues the ITS deployment into the District's three northern counties (Martin, St. Lucie, and Indian River Counties). This project includes deployment of conduit, fiber optic cable, telecommunication network, CCTV, DMS, detector, power supply (power run and UPS), etc. The contract was awarded to Highway Safety Devices and is now in the 90-day burn-in phase.

Approx Completion: December 2010

Contact: Jason Trujillo (954) 847-2635

## **Broward County Advanced ITS Deployment (421702-1)**

This is a design-build project to deploy a weather system and highway advisory radio along I-95 and I-75 within Broward County as well as some DMSs at arterials in the county. The contract was awarded to Miller Electric. This project is in the contractor warranty/maintenance phase.

Final Accepted: March 2010

Contact: Jason Trujillo (954) 847-2635

## **Broward County ITS Power Upgrade (421886-1)**

This design-build project upgrades the ITS power distribution system in northern Broward County. This project will deploy additional generators for a backup power system as well as minimize commercial power service points and add consistency to the power distribution system. The contract was awarded to Miller Electric Company. This project is in the contractor warranty/maintenance phase.

Construction Complete: May 2010

Contact: Jason Trujillo (954) 847-2635

## **Broward and Collier County I-75 Safety Project (423021-1, 425834-1)**

This is a safety project approved by the District Four safety committee in June 2007. This design-build project will improve safety on the I-75 corridor (Alligator Alley). Deployment includes installation of DMSs, weather sensors, CCTV cameras, and detectors. FDOT just reviewed the 90 percent plans.

Approx Completion: Late 2011

Contact: Jason Trujillo (954) 847-2635

## **• • District Five • •**

### *Advanced Traffic Management Systems*

#### **I-75 Ocala/Marion County ATMS (423236-1-58-01)**

This project is a Joint Participation Agreement between the City of Ocala and FDOT for the deployment of intelligent transportation systems (ITS) components on the State Road 200 and I-75 interchanges for the advanced traffic management system (ATMS) implementation. The project will provide fiber connection from I-75 to the FDOT maintenance facility. Construction is underway.

Contact: Michael Smith (386) 943-5360

### *Freeway Management Systems*

#### **I-4 Road Rangers – Motorist Assistance Program (410957-1-72-04)**

The limits of service are from the Osceola/Polk County line to I-95 in Volusia County. There are a total of 13 Road Ranger personnel and one Road Ranger supervisor. There are 12 Road Ranger vehicles. Operational hours and days have changed to Monday through Friday, 6:00 to 12:00 a.m. and Saturday and Sunday, 6:00 to 3:30 a.m.

Contact: Michael Smith (386) 943-5360

#### **I-75 Wireless Project (238002-2-52-31)**

This project is currently installing wireless ITS devices (closed-circuit television cameras, detectors) on I-75 from SR-44 to SR-40. Two sites are installed and operational.

Contact: Michael Smith (386) 943-5360

## **• • District Six • •**

### *Advanced Traffic Management Systems*

#### **I-395 Intelligent Transportation Systems (ITS) Deployment from I-95 East to Alton Road (251686)**

This is a design-build project that is being constructed concurrent with the Palmetto ITS Deployment Project (414760). The project consists of the installation of 10 closed-circuit television (CCTV) cameras, one arterial dynamic message sign (DMS), a fiber optic backbone,



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and 10 microwave vehicle detection system (MVDS) units. Design-build start date was January 2008. The estimated design-build project cost is \$3.47 million. Project is in the one-year post final acceptance maintenance period.

Final Acceptance Date: February 11, 2010  
Maintenance Period Ends: February 11, 2011  
Contact: Sergio Bravo (305) 499-2482

### **SR 826/Palmetto Expressway ITS Deployment from NW 25 Street North to I-75 (414760)**

This is a design-build project that is being constructed concurrent with the I-395 ITS Deployment Project (251686). The project consists of the installation of 6 CCTV cameras, 3 freeway DMS, a fiber optic backbone, and 37 MVDS units. Design-build start date was January 2008. The estimated design-build project cost is \$4.1 million. Project is in the one-year post final acceptance maintenance period.

Final Acceptance Date: February 11, 2010  
Maintenance Period Ends: February 11, 2011  
Contact: Sergio Bravo (305) 499-2482

### **Replacement of 13 DMS District Wide (417740)**

This is a design-build project that will replace 13 DMSs that reached the end of their useful life. The proposed DMS assemblies will be erected onto existing DMS structures. The estimated contract amount is \$1.5 million. Project was completed on November 3, 2010.

Project Completion Date: November 3, 2010  
Contact: Sergio Bravo (305) 499-2482

### **District Wide Maintenance & Repair Services Contract (250102)**

The purpose of this contract is to provide preventive maintenance, diagnostic, and repair services to the ITS equipment and the SunGuide® Transportation Management Center (TMC). The current budget is \$9.3million. The FDOT is working on developing a Request for Proposal (RFP) and Scope of Services to replace it. The RFP will advertise on February 1, 2011 and the letting will be on April 14, 2011.

Contract Length: Six years  
Contract End Date: July 13, 2011  
Contact: Sergio Bravo (305) 499-2482

### **District Wide ITS Operations Support Services Contract (250115 and 417740)**

The purpose of this contract is to assist the District with the management and operations of the FDOT District 6 ITS. The consultant is responsible for providing services to the District, such as, but not limited to: monitoring traffic conditions on Miami-Dade and Monroe County's roadways via CCTV cameras and vehicle detection systems, disseminating traveler information via DMS and statewide 511 system, operating the I-95 Express Lanes and ramp signaling systems, dispatching Road Ranger Service Patrol vehicles to crash scenes, providing information technology support, and traffic operations and ITS engineering support services. The services are categorized into seven major areas: SunGuide TMC Operations Services, Contract Management Services, TMC Information Technology Services, Miscellaneous TMC Operations Support Services, ITS Public Outreach Services, ITS Utility Locates Services, and Traffic Operations and ITS Engineering Services. Performance ratings are used to assess consultant performance under this contract. The current contract budget is \$23.2 million.

Contract Length: Five years  
Contract Notice to Proceed: December 18, 2007  
Contract End Date: December 17, 2012  
Contact: Javier Rodriguez (305) 470-5341

### **Incident Management Services (250113 & 415456)**

Provide incident management services along SR 826, I-195, I-395, I-75 and I-95 (including I-95 Express Lanes) to assist FDOT and the Florida Highway Patrol with clearing traffic crashes, removing disabled vehicles and debris from the roadways, and keeping travel lanes open to traffic. The current contract budget is \$9.8 million.

Contract Length: Three years  
Contract End Date: December 31, 2012  
Contact: Javier Rodriguez (305) 470-5341

### **District Wide Consultant Engineering Contract (250115)**

The contract assists the Traffic Operations and ITS staff with the preparation of feasibility studies, Requests for Proposals, and as-needed, on-call, or miscellaneous ITS



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engineering services. The current contract budget is \$1.0 million.

Contract Length: Five years

Contract End Date: September 8, 2013

Contact: Sergio Bravo (305) 499-2482

### Traffic Engineering/ITS Support Contract (414753)

This contract assists the ITS staff by providing Florida International University Engineering staff and students for traffic engineering and ITS technical support services on ITS projects. The contract current budget is \$200,000.00.

Contract Length: Five years

Contract End Date: April 30, 2013

Contact: Javier Rodriguez (305) 470-5341

### District Wide Traffic Operations Studies (409521)

This contract assists the ITS staff with the preparation of feasibility studies, designs, scopes of services, and program management support for the deployment of the I-95 Ramp Signaling Project, and miscellaneous traffic operations and ITS studies, as-needed. The current 2011 fiscal year contract budget is \$175,000.00.

Contract Length: Two years

Contract Award Date: July 19, 2010

Contact: Javier Rodriguez (305) 470-5341

### Freeway Management Systems

#### I-95 Managed Lanes – “95 Express” (415456)

In order to help mitigate congestion on I-95 in South Florida, Districts 4 and 6, and Florida’s Turnpike Enterprise are implementing a pilot project, 95 Express, to convert existing high-occupancy vehicle (HOV) lanes to limited-access variable toll managed lanes.

The project is being implemented under two phases. Phase 1 was procured as a public-private partnership (P3), creating lanes in both directions on I-95 between the SR 836 and Golden Glades Interchanges in Miami-Dade County. Phase 2 (FM# 4227961) is a design-build project (not currently a P3) and creates lanes in both directions on I-95 between the Golden Glades Interchange in Miami-Dade County and I-595 in Broward County.

Electronic toll collection for Phase 1 northbound began on December 5, 2008. Southbound toll collection began on January 15, 2010. The inauguration of the southbound express lanes was held on January 22, 2010. On January 25, 2010, cross-county, express bus service by Broward County Transit commenced.

Further information about 95 Express is available on the project Web site, [www.95express.com](http://www.95express.com). Contact: Rory Santana (305) 470-6934

### Advanced Traveler Information System

#### Traveler Information (405663)

Up until June 17, 2009, this project provided uniform, multi-modal, real-time traveler and traffic information via the 511 system in Southeast Florida (Palm Beach, Broward, Miami-Dade, and Monroe Counties). The 511 staff was operating (since May 21, 2004) from the FDOT District Six TMC. The Southeast Florida 511 system featured a Web site that provided snapshots of real-time traffic conditions and an interactive voice response telephone system. With the transition to the statewide 511 service, managed by Central Office, this contract provided a call center and personnel to assist customers as they navigate through the system. Contract End Date: November 30, 2010 Contact: Rory Santana (305) 470-6934

## • • District Seven • •

### Freeway Management Systems

#### Tampa Bay SunGuide® Freeway Management System, Phase II (255844-2, 407233-4, 409366-2, and 410909-1)

This is the second phase for the deployment of the freeway management system (FMS) on the Tampa Bay Interstate highways. It consists of four projects on segments of SR 60, I-4, I-75, and I-275 (37 miles of intelligent transportation systems [ITS] managed highways). Cardno/TBE Group, Inc. is the system manager for Phase II projects.

The first segment is SR 60 from Courtney Campbell Causeway to Cypress Street in



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Tampa (255844-2). Florida Industrial Electric was the successful bidder and construction started in August 2007. This project became operational in February 2009.

The second segment is I-4 from CR 579 to Park Road (409366-2). The successful bidder was Highway Safety Devices. Construction began in July 2006 and was completed in March 2008. Integration services were completed and this segment became operational in June 2008.

The third segment is I-75 from US 301 south of Brandon to Fowler Avenue (410909-1). It includes a telecom link along Fowler Avenue from I-75 to the Tampa Bay SunGuide® Center. TransTech completed construction in late April 2008. Integration services were completed and this segment became operational in March 2009.

The final segment is I-275 from 54th Avenue South to 54th Avenue North in St. Petersburg (407233-4). This segment was awarded in August 2008 to Highway Safety Devices. Construction was reported as complete, but an inspection found that critical grounding and surge protection was not installed. Remediation services to provide the needed grounding and surge protection were recently completed by Highway Safety Devices using a fast response contract. The burn-in period will commence as soon as the remediation services to provide the needed grounding and surge protection are complete. Completion of this segment is anticipated in the early spring of 2011.

Contact: Vaughn Cooper (813) 615-8612

Tampa Bay SunGuide Freeway Management System, Phase III (407233-5, 407233-7, 409366-3, 409366-4 and 410909-3)

This is the third phase for the deployment of the FMS on the Tampa Bay Interstate highways. URS is the system manager for Phase III projects.

Segments 409366-3 and 409366-4 include two projects along I-4 from Plant City in Hillsborough County to US 27 in Polk County (32 miles). These segments were let together and awarded to World Fiber, Inc. in March 2007. Construction was completed on both segments in April 2009;

however, an inspection found that critical grounding and surge protection was not installed. Planning for "High Speed Rail (HSR) delayed remediation of these segments. HSR plans call for some instrumentation to be removed and relocated and other devices to be removed entirely to be replaced during the early construction phases of the HSR project. Recently, these impacted devices were identified in plans so the District can now move to obtain a fast response contract to complete installation of the needed grounding and surge protection. Integration will be completed when the remediation services are final. These segments are expected to be operational in the spring of 2011.

Segment 407233-5 (I-275 Sunshine Skyway) has a scheduled letting date in Fiscal Year 2013.

Segment 407233-7 (I-275 from Bearss Avenue to I-75) has been let and work is schedule to begin in 2011. 410909-3 is scheduled to be let in July 2011.

Contact: Vaughn Cooper (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Phase IV Manatee County Project (407233-6)**

This is the fourth phase for deployment of the FMS on the Tampa Bay Interstate highways. Metric Engineering was selected in mid-April as the designer of the first segment along I-275 from south of the Sunshine Skyway Bridge to the I-75/I-275 system-system interchange.

Approx. Completion: September 2015

Contact: Vaughn Cooper (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Phase IV Hillsborough County Project (258398-3)**

This is another phase four project on the Tampa Bay Interstate Highway on I-275 from Himes Avenue to Hillsborough River. Currently, FDOT is in the process of selecting consultants to design the project.

Approx. Completion: September 2013

Contact: Vaughn Cooper (813) 615-8612



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### *Advanced Traveler Information Systems*

#### **Tampa Intelligent Transportation Infrastructure Program (ITIP) (414645-1)**

An agreement between Mobility Technologies (f.k.a. Traffic.com, n.k.a. Navteq), the pre-selected private partner of a Federal Task Order, and District 7 was completed in August 2003. It resulted in approximately 100 vehicle detection sensors being installed on Tampa Bay Interstate highways. These sensors are remote traffic monitoring sensors (RTMS) and provide volume and speed data by lane on the Interstates. This data is used for various purposes, such as traffic monitoring information to FHWA/FDOT and traffic reports to the public on real-time traffic conditions of travel time, speed, and congestion levels. These sensors are now providing valuable information to Florida's Statewide 511 Advance Traveler Information Systems (ATIS), such as travel time and speed data. In March 2010, District 7 and Navteq completed the relocation of a group of these sensors to outlying areas beyond the permanent ITS deployments.

Approx. Completion: Fiscal Year 2014

Contact: Chester Chandler (813) 615-8610

#### **Road Rangers Service Patrol (408206-1-8B-01)**

The Road Rangers service patrol was initially established in October 2000, to provide "free" highway assistance to motorists and assist in clearing freeway incidents. Since that time, the mission evolved to "incident response." Road Rangers still assist motorists, but only as a secondary function. District Seven service patrols cover Hernando (partial), Hillsborough, Pasco, and Pinellas Counties, operate 24/7/365, and average more than 6,000 incidents per month. In addition, District Seven manages the Road Rangers service patrol on I-4 in Polk County and on the Sunshine Skyway Bridge corridor. Road Rangers primary duty is to respond to incidents of all types, provide traffic control and assist law enforcement and other first responder personnel in the quick clearance of traffic incidents/accidents to restore safe, smooth and efficient operation of our roadway system, remove disabled vehicles from the roadway and clear hazardous debris. Road

Rangers also provide essential assistance during storm events and other emergencies.

Contact: Terry Hensley (813) 615-8611

#### **Rapid Incident Scene Clearance (424209-1-82-01)**

As an aid to the State of Florida's *Open Roads Policy*, which provides quick clearance for safety and mobility, Florida's Rapid Incident Scene Clearance (RISC) initiative is an innovative program offering cash incentives to towing and recovery companies that quickly and adequately respond to qualified incidents on Florida's interstate highways. District 7 began the RISC program in January 2009. Currently, there are two contractors in operation in the District. Since inception, there have been 38 RISC-qualified incidents, all of which have been cleared within the 90-minute period. The District continues to solicit additional interested companies for this program and to work closely with the Florida Highway Patrol and other agencies to improve RISC response.

Contact: Terry Hensley (813) 615-8611

### • • *Florida's Turnpike Enterprise* • •

### *Advanced Traffic Management Systems*

#### **Broward County Camera Project (417121-2-52-01)**

This is a design/build project to construct supplemental camera and detection devices in Broward County on the Turnpike Mainline in an area where widening/reconstruction projects prevented their deployment in previous projects. There are 12 camera locations and 23 radar locations along the corridor. The project was awarded to the design/build team of Miller Electric and FR Aleman. The project design is almost complete and construction is expected to begin in the next month.

Contact: John Easterling (954) 934-1620 or Rob Mastascusa (407) 264-3459

#### **Dynamic Message Sign Replacement Project Part 1 (406121-2-93-04)**

This is a design/build project to replace ten legacy dynamic message signs (DMS). These signs are approximately 10 years old and are no longer supported by the manufacturer; therefore, they are getting more difficult to maintain. This



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project was awarded to American Lighting. The design is under way and construction is expected to begin in early 2011.

Contact: John Easterling (954) 934-1620 or Rob Mastascusa (407) 264-3459

### **Dynamic Message Sign Replacement Project Part 2 (428010-1-52-01)**

This is a design/bid/build project to replace ten legacy DMSs. These signs are approximately 10 years old and are no longer supported by the manufacturer; therefore, they are getting more difficult to maintain. The concept report development is complete. The project design was awarded to one of the Turnpike's Miscellaneous Design Consultants. The design contract is currently in the execution process. Design is expected to begin in the next month and the contract will be let for construction in July 2011.

Contact: John Easterling (954) 934-1620 or Rob Mastascusa (407) 264-3459

### **CB RAS (Citizens Band Radio Advisory System)**

Using technology to help commercial motorists on the roadways, Florida's Turnpike Enterprise has implemented a CB Radio Advisory System as a pilot project. Commercial vehicle and tractor trailer operators receive real-time emergency roadway incident information directly through their CB radio while traveling certain sections of the Turnpike. This is a short-range broadcast system activated in real-time by the Turnpike's transportation management center (TMC) that allows a majority of commercial vehicle drivers with CB radios to listen to channel 19 and receive information about regional high-impacting incidents and emergency travel advisories on the roadway section being traveled. Its ability to be remotely controlled in real-time from the Turnpike's TMCs makes the system very versatile. Positioned in six locations along the Turnpike, CB RAS uses the Turnpike fiber network to transmit and receive information to the unit. The Turnpike is currently looking to replace the pilot equipment and expand the broadcast locations. The project has been advertised and a contractor should be selected to begin work by the end of 2010.

Contact: John Easterling (954) 934-1620

### *Freeway Management Systems*

#### **Traffic Management Centers (190717-1-52-03/04/05/08)**

The Florida's Turnpike Pompano and Turkey Lake TMC facilities provide 24-hours a day, 7-days a week staffing coverage. Incident management is accomplished utilizing 530 CCTV cameras, 10 HAR, and 58 DMSs along the Turnpike's mainline and connecting arterials; 21 DMSs on the Sawgrass Expressway and its connecting arterials; seven DMSs on SR 417 (Seminole Expressway and Southern Connector Extension), two DMSs on SR 429 (Western Beltway), and three DMSs on the Beachline Expressway (SR 528). TMC Team Members work closely with Florida Highway Patrol (FHP) Troop K and other agencies to detect, verify, and mitigate incidents. TMC team members and advanced traveler information system (ATIS) team leaders at each facility coordinate the State Farm Safety Patrol/Road Ranger operators by dispatching them on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, Sawgrass Expressway (Toll 869), and Veterans Expressway (Toll 589) through the Statewide Law Enforcement Radio System (SLERS, 800 MHz), an automatic vehicle locator (AVL) system and direct-connect communications. Florida's Turnpike Enterprise (FTE) is an integral part of the Florida Statewide 511 Traveler Information Service. The TMC, in its role as the 24-hour communications hub for the Turnpike, performs essential duties to support FTE Rapid Incident Scene Clearance (RISC) and Towing and Roadside Repair programs.

Approx. Completion: Operations Ongoing

Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312

#### **Traffic Management FHP Lake Worth Dispatch Center Operator**

FTE TMC has committed staffing at the FHP Troop K, Lake Worth Dispatch Center with two full-time FHP Dispatch TMC Team Members, thus improving service to Turnpike customers. The FHP Dispatch Center is staffed by TMC Team Members during two shifts: from 6:00 a.m. to 2:15 p.m. Monday through Friday and 2:00 to 10:15 p.m. seven days a week. FHP Dispatch



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TMC Team Members work in conjunction with the Turnpike's TMC and facilitate sharing of incident status information between FHP and the TMC. The TMC staff members work closely with FHP Dispatch in tracking the performance measures of the Specialty Towing and Roadside Repair (STARR) program. The coordination between FHP Dispatch TMC Team Members and FHP dispatchers and troopers enables the TMC to assume a more proactive role in incident management along its roadways in terms of emergency verification and response, dissemination of traveler information and other agency notifications. This accurate and timely exchange of information has resulted in the enhanced operation of the Turnpike's ITS devices and more efficient resource sharing. The Turnpike TMC has space for up to two assigned console positions and is responsible for managing FHP's video wall control.

Approx. Completion: On-going

Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312

### *Incident Management*

#### **Turnpike Enterprise State Farm Safety Patrol (part of FDOT Road Ranger Program) (411451-1-78-02)**

FTE's TMC dispatches State Farm Safety Patrol on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, and the Sawgrass Expressway (Toll 869). Safety Patrol Road Rangers are also dispatched on the Seminole Expressway/ Southern Connector Extension (Toll 417), Beachline Expressway (Toll 528), Western Beltway (Toll 429), and the Veterans Expressway (Toll 589). State Farm Safety Patrol and Road Rangers provide free service. Coverage hours range from 6:00 a.m. to 8:00 p.m., 12:00 to 8:00 p.m., or 24/7 depending on the location along Florida's Turnpike system. Minimal 24/7 coverage is now maintained within the Miami-Dade, Broward, Palm Beach, and Orange Counties urban limits of Florida's Turnpike. Units are dispatched by the TMC via the SLERS, 800 MHz (primary mode of communication) and Direct Connect (back-up communication) systems and are tracked via an AVL system that is integrated into the SunGuide® Software. A three-year contract was

awarded to Florida Turnpike Services (FTS) for coverage on the Turnpike system, with provisions for new, tighter performance measure requirements. Approx. Completion: On-going  
Contact: Jim Hilbert (407) 264-3312

#### ***Specialty Turnpike Towing and Roadside Repair***

In June 2009, FTE implemented an innovative program to address the towing and repair needs of its customers. Previously, all towing and vehicle repairs were handled by the eight service plazas along the Turnpike. Under this new program, the Turnpike has been segregated into ten coverage sectors, designated by mile posts with towing and roadside repair contracts awarded to seven area contractors. The STARR contract is a revenue-neutral contract for FTE, and requires the tow contractors to respond within 30 minutes or less in urban areas, and less than 40 minutes in rural areas. These contracts are performance-based, requiring adherence to response times as noted in the contracts and provision of a high level of customer service and safety. Performance is measured and communicated to the contractors on a monthly basis, and each contractor is expected to meet their performance standards. Changes to the contract can be made according to contractors' ability to meet these standards.

Completion: On-going

Contact: Jim Hilbert (407) 264-3312

#### ***Rapid Incident Scene Clearance***

The innovative RISC heavy-duty towing and recovery program was developed and implemented in 2004 to reduce the impact of major traffic incidents on Florida's Turnpike and to help meet Florida's Open Roads Policy goal to clear the roadway in 90 minutes or less. The RISC program is a major component of the Traffic Incident Management Enhancements (TIME) program. RISC is an incentive-based program that pays qualified participating tow companies monetary bonuses for meeting quick clearance goals. In order to participate in the program, towing and recovery companies must meet equipment and training standards developed to ensure the safe and efficient clearance of major incidents. Recovery contractors are required to respond within 60 minutes to an incident and open the travel lanes



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within 90 minutes. If the travel lanes are not open within 150 minutes, the contractor may be assessed liquidated damages. The TMC is the official timekeeper of RISC milestones, the primary contact for FHP, and the hub of traffic/incident management communications.  
Contact: John Easterling (954) 934-1620