



FLORIDA
Department of Transportation



SUNGUIDE[®] ITS PROGRAM District Progress Reports

Following is a compilation of quarterly progress reports by the Florida Department of Transportation Districts and Florida's 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 to complete the design and construct an upgrade to the existing signal system in Manatee County and the City of Bradenton. This advanced traffic management system (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 transportation management center (TMC). A design-build contractor was selected in June 2008. The Notice to Proceed (NTP) was issued on October 19, 2008. Construction has been completed and the final system test is ongoing. The project was final-accepted on July 21, 2011. The design-build firm is currently providing training services.

Approx. Completion: End of summer 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 to provide the 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

Inside This Issue

December 2011

District One.....	1
District Two.....	4
District Three	5
District Four	6
District Five	9
District Six.....	9
District Seven.....	11
Florida's Turnpike Enterprise.....	12

The FDOT ITS Program Progress Reports is a publication of:

*Florida Department of Transportation
Traffic Engineering and Operations Office
ITS Program*

605 Suwannee Street, MS 90

Tallahassee, Florida 32399-0450

(850) 410-5600

<http://www.dot.state.fl.us/trafficoperations/default.shtm>



FDOT ITS Program District Progress Reports



integration into the existing Manatee County Public Safety and TMC and with the ongoing Manatee ATMS Phase 1 project. A design-build contractor was selected in September 2009. The NTP was issued on October 13, 2009. The construction duration is approximately 600 days. The plans were released for construction on December 15, 2010. This project is utilizing federal funds from the American Recovery and Reinvestment Act. The project is currently under construction.

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

Lee County Advanced Transportation Management System, Design-Build Criteria Package Development (412636 1 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 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 on November 9, 2009, and a consultant has been selected. Currently, this project has completed the ITS Master Plan phase and the consultant is currently finalizing the design-build construction criteria package documents. The project is scheduled for advertisement for construction on December 5, 2011, with a letting date in April 2012.

Approx. Completion: January 2012
Contact: Mark Roberts (863) 519-2591

Lee County Advanced Transportation Management System, Phase I, Design-Build Construction (412636 2 52 01)

This is a design-build project to complete the design and construct an upgrade to the existing signal system in Lee County, City of Fort Myers, City of North Fort Myers, and City of Bonita Springs. This

ATMS upgrade will include new controllers and cabinets at 60 intersections, an updated communications plant, and video monitoring at 36 locations. This project will also deploy new vehicle detection stations for monitoring traffic flow throughout the traffic management system. The Lee ATMS project will include construction of a video wall at the Lee County Traffic Operations Center (TOC). Advertisement of this project is scheduled for December 5, 2011, and is expected to be let to construction on April 20, 2012.

Approx. Completion: December 2013
Contact: Mark Roberts (863) 519-2591

Freeway Management Systems

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. Development of the criteria package documents is complete. This project was advertised on May 31, 2011, and is currently in the selection phase for a design-build firm.

Approx. Completion: May 2011
Contact: Katherine Duvall (863) 519-2726

I-75 Freeway Management System for Sarasota and Manatee Counties and Integration Design-Build Construction Project (414730 1 52 01, 414732 1 52 01, 414736 1 52 01)

This is a design-build construction project to complete the design and construct the extension of the I-75 Freeway Management System from the Charlotte/Sarasota County Line to the I-275 interchange within Manatee County. The project includes the design and installation of ITS field elements, which include CCTV cameras, DMS, RWIS, microwave vehicle detection, HAR, and fiber optic communications cable and transmission equipment



FDOT ITS Program District Progress Reports



along I-75 throughout Sarasota and Manatee Counties. These field elements will be integrated into the SWIFT SunGuide Center and the Sarasota and Manatee Satellite TMC. This project is currently in the selection phase and is expected to be let to construction on February 17, 2012.

Approx. Completion: June 2014

Contact: Katherine Duvall (863) 519-2726

Districtwide RTMC ITS Operations Contract (417733 1 82 01)

This project provides funding for the operation costs for the District One 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 locate costs for the District One ITS field device systems and associated utilities. The contract was executed in 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 to 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, 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 completed installing the ITS field devices and is currently working on integration. Testing is expected to begin by mid-November 2011.

Approx. Completion: December 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 One 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 One 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 that exceed FDOT's contract expectations result in financial penalties assessed against the contractor. Currently, two vendors are under contract.

Approx. Completion: Ongoing

Contact: Bill Fuller (239) 225-9815

ITS Planning and Project Development

Districtwide Intelligent Transportation Systems General Consultant Traffic Operations (417470 1 32 02)

This ITS General Consultant Project provides District One with a broad-range of general consultant support on an as-needed basis. The current contract was executed in July 2009.

Approx. Completion: July 2014



FDOT ITS Program District Progress Reports



Contact: Mark Roberts (863) 519-2591

Districtwide Transportation Systems Management and Operations (TSM&O) General Consultant Contract (429512 1 32 01)

This TSM&O General Consultant Project will provide District One with a broad-range of engineering, planning, and technical services needed to establish and support the TSM&O Program within District One. The contract was executed in October 2011, and is scheduled for a five-year term.

Approx. Completion: October 2016

Contact: Chris Birosak (863) 519-2507

Advanced Public Transportation Systems

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

This grant was for an automated vehicle location system to be installed in all vehicles with Trapeze Group, Inc. To date, Manatee County has encountered numerous problems with the system and their representative provided a plan of action to fix the system errors and receive the remaining funds for the project. The remaining \$30-40k is being held until the system is completely operable. MCAT went through a significant change of personnel which caused a stall on the project. The new management recently met with representatives from Trapeze and the project is back on track for resolution. This is anticipated within the next 90-120 days.

Approx. Completion: February 28, 2012

Contact: Jan Parham (863) 519-2340

District Two

Advanced Traffic Management Systems

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, 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 an 11-mile project that will incorporate tie-into Phases III, VI, and VII deployments. Metric Engineering was selected as the systems manager consultant firm to design and integrate the deployment. A competitive bid to 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 2012.

Advertisement for Construction: July 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-bid-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 two-mile project incorporating tie-into Phases II, III, and VI deployments. URS is assisting with the design. The contract will be low bid to handle the deployment. Advertisement will occur in the spring of 2012 with final selection in the summer. In-house CEI will be utilized on this project.

Selection of Contractor Team: Summer 2012

Contact: Peter Vega (904) 360-5463

Regional Transportation Management Center (217417-8)

This project will be for the construction of a regional transportation management center at the State Complex on Davis Street. The design involves the construction of a facility adjacent to Law Enforcement's Jacksonville Regional Communications Center. The Department of Management Services will provide the project manager for this work and will advertise for an architectural engineering firm in January 2012. The procurement process will be using CM@ Risk. CEI work will be handled in-house with contracts for the certification of various specialties being handled by the Department of Management Services.

Advertisement of Architect: January 2012

Advertisement of CM @ Risk: Spring of 2012

Contact: Peter Vega (904) 360-5463



FDOT ITS Program District Progress Reports



Northeast Florida Transportation Planning Projects

Advanced Traffic Management System (430070-1)

This project involves contractor 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. The design firm is the North Florida Transportation Planning Organization's (TPO) System Manager, DRMP, and inspection will be performed in-house.

Selection Date: September 2013

Contact: Peter Vega (904) 360-5463

Advanced Traffic Management System (430144-1-52-01)

This project involves the installation of ITS-compliant arterial static and DMSs at various locations in Duval County. The design firm is the North Florida TPO's System Manager, DRMP, and inspection will be performed in-house.

Selection Date: April 2012

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 issued 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. Bay County also further expanded the scope of the Phase III project by incorporating additional funding provided by local project partners, such as Bay District Schools and Panama City Beach.

Bay County executed a contract with the successful design-build firm; construction began on Phase III on September 21, 2011; and the project is currently scheduled to be complete around the May 2013 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 duration of the contract is for ten years with a renewal option for one additional term, not to exceed ten years. The scope of work included 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 maintenance in support of a comprehensive FMS. This FMS was 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 also includes all of I-110. In addition, TransCore ITS is currently scheduled to deploy and administer a Road Ranger service patrol program along the aforementioned interstate limits beginning July 1, 2011.

TransCore ITS has entered the operations and maintenance phase of the initial ten-year contract, which will continue through June 2018. The Pensacola SunGuide® Center operates 16 hours a day, Monday through Friday. This schedule will expand during times of emergency and regional significance as determined by District Three. The center's video wall display system is comprised of six 67-inch modules arranged in a three wide by two



FDOT ITS Program District Progress Reports



high configuration flanked by two 46-inch LCD flat panel monitors on either side. There are currently three operator monitoring stations, two for operators and one for the shift supervisor, with room to expand up to five operators. Operators at the center view 41 closed-circuit television (CCTV) cameras on a rotating basis to monitor the I-10 and I-110 corridors in Escambia and Santa Rosa Counties. The FMS includes 12 dynamic message signs (DMS), three located on I-110 and nine positioned along I-10 as well as 88 microwave vehicle detectors and one roadway weather information system. TransCore ITS also provided a wireless expansion of the communications system to include a camera at each end of the Pensacola Bay Bridge.

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.

Written Technical Proposals from six Design-Build Firms were received by the City of Tallahassee on February 22, 2011. The City of Tallahassee is in the process of executing a contract with the successful apparent winner and construction is scheduled to begin around the April 2012 timeframe.

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

District Four

Advanced Traffic Management Systems

Palm Beach County ITS Deployment (404827-1)

This design-build project includes deployment of closed-circuit television (CCTV) cameras, dynamic message signs (DMS), traffic detectors, fiber communication network along I-95 within Palm Beach County. The project was awarded to TransCore; Phase A is in the 90-day burn in phase. Phase B construction activities will commence as soon as the I-95 high-occupancy vehicle (HOV) widening project in Northern Palm Beach County is complete.

Approx. Completion: December 2012

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. This project is under active construction.

Approx. Completion: Late 2011

Contact: Jason Trujillo (954) 847-2635

Freeway Management Systems

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

The certification of completion for this project was signed on October 31, 2011.

Approx. Completion: Completed

Contact: Daniel Smith (954) 847-2633



FDOT ITS Program District Progress Reports



Districtwide ITS Operations Support Services Contract (231654-7-82-01 231654-7-82-02, 231654-8-82-01)

This project is for the management and operations of the Broward County and Palm Beach County Vista Center transportation management centers (TMC). This project includes operation of the I-95/I-595/I-75 Districtwide ITS Network on a 24-hour/7-day a week schedule, dispatching of the Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties' Road Rangers, and coordination on operational issues with Districts One and Six, and the Florida's Turnpike Enterprise for the ITMS project, I595 Express, I95 Express, 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. This contract was awarded to IBI Group in June 2011.

Approx. Completion: June 2016

Contact: Dong Chen (954) 857-2796

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

This project is for the maintenance of the ITS devices in District Four, primarily for Broward County, including DMSs, CCTV cameras, 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. This contract was awarded to Miller Electric with an NTP in July 2011.

Approx. Completion: July 2014

Contact: Anthony Mendoza (954) 847-2798

District 4 Palm Beach and Northern Three Counties ITS Maintenance (416255-2-72-01, 416255-2-8B-01)

This project is for the maintenance of the ITS devices in District Four, primarily for Palm Beach, Martin, Saint Lucie, and Indian River Counties, including DMSs, CCTV cameras, 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. This contract was awarded to Telvent with an NTP in July 2011.

Approx. Completion: July 2014

Contact: Anthony Mendoza (954) 847-2798

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 commencing the stand-alone testing phase while construction activities are being finished.

Approx. Completion: December 2012

Contact: Jason Trujillo, (954) 847-2635

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. Highway Safety Devices has successfully completed the project on time and on budget.

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)



FDOT ITS Program District Progress Reports



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. This project is under active construction.

Approx. Completion: Late 2011

Contact: Jason Trujillo (954) 847-2635

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

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

This project provides four Severe Incident Response Vehicles (SIRV) and SIRV operators to respond to Level 2 and 3 incidents on the interstates in Broward County and Palm Beach County. The SIRV are dispatched from the Broward County SMART SunGuide TMC and the Palm Beach 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. Two SIRV respond to incidents in Broward County and two SIRV will respond to

incidents in Palm Beach County. The contract was awarded to AECOM Technical Services, Inc. on June 20, 2011. Services will begin in January 2011 and end September 30, 2016. The current contract has been extended three months to allow for procurement of vehicles, staff, and equipment for the new contract.

Approx. Completion: September 30, 2016

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 began on December 1, 2010.

Approx. Completion: Contract ends November 30, 2015

Contact: Gaetano Francese (954) 847-2797

Palm Beach County I-95 Road Rangers Service Patrol (231924-3-72-01/231924-4-72-01)

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 began on February 1, 2011.

Approx. Completion: New contract ends January 31, 2016

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 began on September 6, 2010.

Approx. Completion: Contract ends September 5, 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



FDOT ITS Program District Progress Reports



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 five RISC vendors under contract. A new contract will be advertised in April 2012.

Approx. Completion: April 2012

Contact: Gaetano Francese (954) 847-2797

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 SR-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 Ocala operations facility. Construction is underway.

Contact: Michael Smith (386) 943-5360

Brevard County Advanced Traffic Management System (ATMS) Project (428597-1-52-01, 428919-1, 428920-1)

This is a federally funded project administered by FDOT District Five on behalf of Brevard County for the purpose of constructing additional ITS improvements on several corridors county-wide. Improvements include upgrading the current traffic responsive signal system to a new traffic adaptive signal system, adding Bluetooth wireless detection for calculating travel times, and expanding the county's current closed-circuit television (CCTV) sub-system. This contract began July 11, 2011, and is currently in the review phase of 90 percent plans.

Contact: Michael Smith (386) 943-5360

Seminole County Phase II Advanced Traffic Management System (ATMS) Project (429550-1-54-01)

This is a federally funded project administered by FDOT District Five on behalf of Seminole County to procure equipment consisting of various ITS components. This contract began on September 13, 2011.

Contact: Michael Smith (386) 943-5360

Freeway Management Systems

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

This project is to install wireless ITS devices (CCTV cameras and detectors) on I-75 from SR-44 to SR-40. Currently, 15 cameras and 24 detector stations are installed and operational between mile markers 329 and 356, along with nine solar sites and 15 power sites.

Contact: Michael Smith (386) 943-5360

I-4 Dynamic Message Sign Replacement Project (428915-1-92-01)

This project is will replace 16 dynamic message signs (DMS) with new full color DMSs, including structures and foundations, on I-4 from SR-528 to SR-472 at various locations in Orange, Seminole, and Volusia Counties. This contract time began on May 20, 2011. Four DMSs have been replaced and are operational to date, with the remaining 12 replacements currently underway.

Contact: Michael Smith (386) 943-5360

Incident Management

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 are 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

District Six

Advanced Traffic Management Systems

Replacement of DMS & Installation of ITS Devices (417740)

This is a design-build project that will replace two dynamic message signs (DMS) that reached the end of their useful life. The proposed DMS assemblies will be erected on existing structures. Fourteen closed-circuit television (CCTV) cameras will be installed to confirm DMS messages and two cameras



FDOT ITS Program District Progress Reports



will be installed to provide roadway coverage. Two more cameras will verify the operation of flashing beacons. In addition, seven miles of wireless communications will be migrated to a fiber optic cable backbone. Three existing wireless cameras and one DMS will be migrated to this new fiber optic cable backbone. Ten microwave video detectors will be installed to provide 1.7 miles of detector coverage.

Contract Start Date: June 2011

Contract End Date: February 2013

Contact: Sergio Bravo (305) 640-7344

District Wide Maintenance & Repair Services Contract (250102)

The purpose of this contract is to provide preventive maintenance, diagnostic, and repair services to the intelligent transportation systems (ITS) equipment and the SunGuide® Transportation Management Center (TMC). Performance ratings will be used to assess contractor performance under this contract. The budgetary ceiling for the first three years will be \$8.3 million. The Notice to Proceed was issued on August 1, 2011.

Contract Length: Three years

Contact: Derole Duncan (305) 640-7308

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) 640-7307

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 engineering services. The current contract budget is \$1.3 million.

Contract Length: Five years

Contract End Date: September 8, 2013

Contact: Sergio Bravo (305) 640-7344

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: Alejandro Motta (305) 640-7346

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 \$350,000.00.

Contract Length: Two years

Contact: Javier Rodriguez (305) 640-7307

Incident Management

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.



FDOT ITS Program District Progress Reports



Contract Length: Three years
Contract End Date: December 31, 2012
Contact: Javier Rodriguez (305) 640-7307

construction being let three years earlier than originally scheduled. This project was let with FPID 408459-1, 408459-2, 408459-3, and 410909-9 in June 2011.

Contact: Chester Chandler (813) 615-8610

District Seven

Freeway Management Systems

Tampa Bay SunGuide® Freeway Management System, Phase III Pinellas County (407233-5)

This intelligent transportation systems (ITS) design project is on I-275 from the South Sunshine Skyway Toll Plaza to 54th Avenue South. It will be completed under a systems manager contract with URS. This project will provide an updated system of devices that will include installing closed-circuit television (CCTV) cameras on the towers, a wind monitoring system, highway advisory radio (HAR), and development of a new technique to replace and/or connect new conduit to the bridge. The project is now in advanced production. The construction contract let date is March 2012.

Contact: Chester Chandler (813) 615-8610

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (410909-9)

This ITS project is on I-75 from North of Bruce B Downs Boulevard to SR 56 (Exit 275). This project will provide a new system of devices that will include installing CCTV cameras, dynamic message signs (DMS), and microwave vehicle detector sensors (MVDS). It is designed and funded under the original URS contract 407233-7 as the I-75 segment. This project goes with construction projects 408459-2, 408459-1, 408459-3, and 410909-2. This project was let in June 2011.

Contact: Chester Chandler (813) 615-8610

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (410909-2)

This segment is on I-75 from Fowler Avenue to north of Bruce B Downs Boulevard. This project will provide a new system of devices that will include installing CCTV cameras (to include dual-mount lowering device cameras), DMS, arterial DMS using wireless connections, and MVDS. This project is designed with Roadway Project 408459-1 and is being completed by PB World as a supplement to the roadway contract. This project is an advanced

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

This ITS design project is on I-275 from south of the Sunshine Skyway Bridge to the I-75/I-275 Apex in Manatee County. This project will provide a new system of devices that will include installing CCTV cameras, arterial DMS using wireless connections, MVDS, and HAR system. The project is being designed by Metric Engineering and is currently at approximately 90 percent complete.

Approx. Completion: September 2013

Contact: Chester Chandler (813) 615-8610

Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough County (407233-7)

This ITS project is on I-275 from Bearss Avenue to the I-275/I-75 Apex in Hillsborough County. Construction began in January 2011. The project manager is working with the systems manager, URS, on procuring and installing ITS equipment.

Approx. Completion: August 2012

Contact: Chester Chandler (813) 615-8610

Tampa Bay SunGuide Freeway Management System Hillsborough and Polk Counties (405600-1-52-41)

This project is on I-4 from Park Road to County Line Road and I-4 from County Line Road to US 27. This Fast Response Contract was awarded to Highway Safety Devices for remediation and integration of grounding and surge protection of ITS devices in the border areas of the rights-of-way. The first leg of the project to include the outside shoulders was complete in June 2011. The second leg of the project to include the median is currently under design by Gannett Fleming.

Anticipated Completion Date: December 2011

Contact: Chester Chandler (813) 615-8610



FDOT ITS Program District Progress Reports



Tampa Bay SunGuide Freeway Management System, Phase III Hillsborough/Polk County (409366-3 & 4)

These ITS projects are on I-4 from Park Road to County Line Road and I-4 from County Line Road to one mile west of US 27. These projects are in the 30-day burn-in period.

Contact: Chester Chandler (813) 615-8610

Incident Management

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 Seven began the RISC program in January 2009. Currently, there are two contractors in operation in the District. Since inception, there have been 57 RISC-qualified incidents, most 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

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 project was awarded to American Lighting. The project was completed in October 2011.

Contact: John Easterling (954) 934-1620 or Paul Mannix (407) 264-3845

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 at the 100 percent plan stage with signed and sealed plans being submitted this month. The contract will be let for construction in January 2012.

Contact: John Easterling (954) 934-1620 or Paul Mannix (407) 264-3845

Veterans Expressway Reconstruction (406151-1-52-01, 406152-1-52-01)

This project includes two roadway widening sections broken into two separate design/bid/build projects. The project limits are from Memorial to south of Gunn Highway and include a complete reconstruction of the ITS facilities through the project. The new system will include fiber optic cable, closed-circuit television (CCTV) cameras, DMS, and detection devices. The existing system will be maintained through construction until the new devices can be brought on-line. Currently, the



FDOT ITS Program District Progress Reports



Turnpike’s designer is working on the 90 percent plans and the lettings are scheduled for the middle of 2012.

Contact: John Easterling (954) 934-1620 or Paul Mannix (407) 264-3845

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 555 CCTV cameras; 10 HAR stations; 15 Citizen Band Radio Alert System (CBRAS) stations; 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); three DMSs on the Beachline Expressway (SR 528); four DMSs on SR 570 (Polk Parkway); and six DMSs on SR 589 (Veterans Expressway/Suncoast Parkway). 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 also 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 Specialty 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-plus full-time FHP Dispatch TMC Team positions, 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. and 2:00 p.m. to 10:15 p.m. seven days a week. FHP Dispatch 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. With an average monthly total of 660 hours, coverage hours range from 6 a.m. to 8 p.m., noon to 8 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,



FDOT ITS Program District Progress Reports



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 in 2009 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 unique program, the Turnpike is 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 cost-neutral contract for FTE, and requires the tow contractors to respond within 30 minutes or less in urban areas, and within 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 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 or Mike Washburn (954) 934-1621