



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, Design-Build Requirements Package Development (415227 1 32 01)

This project will develop a Design-Build Requirements Package to be used by FDOT to secure a Design-Build Team, which will complete the design and construct an upgrade to the existing signal system. The ATMS upgrade will include new central hardware and software, new controllers and cabinets, an updated communications plant, and video monitoring at selected locations. The construction funding (416119 1 52 01) was moved out of the FDOT Work Program to fiscal year 2007/2008. The Design Build Requirements Package is complete and selection of a Design-Build Contractor occurred on June 24, 2008.

Approx. Completion: Letting June 2008
Contact: Mark Roberts (863) 519-2591

City of Punta Gorda/Charlotte County Advanced Transportation Management System, Design-Build Construction (193824 2 52 01 and 418160 1 52 01)

This is a Design-Build construction project. The Design-Build Team will complete the design and construct the system. This project is rebuilding the signal system components that were damaged by Hurricane Charley and will include additional locations to be incorporated into the project. The project will include new central hardware and software, new controllers and cabinets, updated communications, and video monitoring at selected locations. The project is ongoing. Construction of Phases I & II, which includes a total of 84 intersections and 39 closed-circuit television (CCTV) cameras, is complete. Integration and testing are completed. This project is complete and the final acceptance has been issued.

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

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Winter Haven/Polk County Advanced Transportation Management System, ITS Master Plan and Design-Build Requirements Package Development (408043 1 32 01)

This project will develop an ITS Master Plan to be used as the basis for upgrading the existing Winter Haven Signal System and it will define the requirements for a system for Polk County. This project will also complete a Design-Build Requirements Package to be used by FDOT to secure a Design-Build Team, which will complete the design and construct an upgrade to the existing Winter Haven signal system. The ATMS upgrade will include new central hardware and software, new controllers and cabinets, an updated communications plant, and video monitoring at selected locations. This project was ongoing, but was placed on hold when a re-shuffling of the FDOT's Work Program moved the construction funding out to Fiscal Year 2011. The project is awaiting the execution of a Joint Project Agreement (JPA) in which the City of Winter Haven will provide advance funding to move the construction funding into 2008/2009. The JPA is expected to be executed by the end of June 2008 to allow for a March 2009 construction letting.

Approx. Completion: Letting March 2009
Contact: Mark Roberts (863) 519-2591

Advanced Traveler Information Systems

Southwest Florida ATIS (414668 1 32 01)

This Invitation to Negotiate (ITN) project will provide operations and marketing support for the new advanced traveler information system (ATIS) covering Charlotte, Lee, and Collier Counties in Southwest Florida. Included in this project is the deployment of an automated data collection system along I-75 using microwave sensors and wireless communications to provide additional traffic flow information to the new Southwest Florida ATIS. Additionally, this project will provide resources to support the expansion of the existing Tampa Bay ATIS in Manatee (I-75), Sarasota (I-75), and Polk (I-4) Counties. The data fusion software and Web page functions for the new Southwest Florida ATIS will be provided through a contract funded by the FDOT Central Office Traffic Engineering and Operations Office as a separate project. The new Southwest Florida 511 ATIS was launched in early spring 2007, and will continue until the

successful launch of the new statewide 511 system, currently planned for summer/fall 2008. The Notice to Proceed for this project was July 10, 2006 for two years and an optional third year of services and support. Services will be renewed for up to six months pending the release of a new statewide ATIS with a start work date of August 2008.

Approx. Completion: January 2009
Contact: Don Olson (863) 519-2274

Freeway Management Systems

I-75 Freeway Management System for Collier and Lee Counties, System Integration, and Regional Transportation Management Center Construction Project (416413 1 52 01, 416412 1 52 01, and 414733 1 52 01)

This is a Design-Build construction project. The project includes the final design and construction of a new regional transportation management center (RTMC) building, parking areas, and utility connections. The RTMC will be located at the Daniels Parkway Rest Area in Lee County. The project includes the design and installation of ITS field elements, which includes CCTV cameras, dynamic message signs (DMSs), road weather information systems (RWIS), microwave detection, and fiber optic communications cable and transmission equipment along approximately 98 miles of I-75, starting at the Broward County line mile marker 50.7 and ending at the Charlotte County line mile marker 148.4. The project also includes: modifying the existing safety barrier cable system (SBCS) along I-75 in Collier County to install and integrate an ITS detection and alarm system; integrating the ITS and SBCS with the central control equipment to be installed at the RTMC; installing and integrating the video wall and conference room display systems at the RTMC; installing the telephone system at the RTMC; and testing all of the aforementioned systems. The Notice to Proceed was issued in January 2006. This project is ongoing. The RTMC is close to completion and a punch-list walk through was conducted in May. The conduit throughout the length of the project has been installed and the fiber installation is ongoing. Installation of the CCTV poles is nearing completion. Work on modifying the existing SBCS is underway. Installation of field devices and integration into the Southwest



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Interagency Facility for Transportation (SWIFT) SunGuide™ Center are expected to be complete by fall 2008.

Approx. Completion: Fall 2008

Contact: Chris Birosak (863) 519-2507

I-75 Freeway Management System for Charlotte County (414738 2 52 01)

This ongoing 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, road weather information systems (RWIS), microwave detection, and fiber optic communications cable and transmission equipment along I-75, from the Lee County line to the Sarasota County line. These field elements will be integrated into the SWIFT SunGuide Center. The plans and functional requirements documents are currently being finalized and are expected to be complete by July 2008. The project will be advertised in June 2008 and the construction letting is scheduled for November 2008.

Approx. Completion: Letting November 2008

Contact: Mark Roberts (863) 519-2591

Districtwide RTMC ITS Operations Contract (417733 1 82 01)

This project provides the funding for the operation costs for the District One RTMC. The contract was executed in June 2007. Work has begun on development of the Standard Operating Guidelines, Strategic Operations Plan, and the Training Materials. Operations are anticipated to commence once construction of the RTMC and ITS field devices on I-75 in Collier and Lee Counties is completed in fall 2008.

Approx. Completion: 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 1 ITS field device systems and associated utilities. The contract was executed in January 2008. Work is expected to begin once the ITS field device installation in Collier and Lee Counties is completed in fall 2008.

Approx. Completion: 2012

Contact: Katherine Duvall (863) 519-2726

Incident Management

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

This is the service contract for Road Ranger Service Patrol 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 from asset maintenance contracts and will be managed by the District 1 Traffic Operations Division. For fiscal year 2009, the reduced hours of operation will be 13 hours (6 a.m. – 7 p.m.) each week day along I-75 in Collier, Lee, Charlotte, Sarasota, and Manatee Counties. The service patrol will also cover I-4 in Polk County for 13 hours each week day and will provide an addition truck on Alligator Alley in Collier County for 16 hours (5 a.m. – 10 p.m.) each week day. There will not be night or weekend service. The vendor is currently examining sponsorship opportunities.

Approx. Completion: June 30, 2012

Contact: Don Olson (863) 519-2274

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. A new contract is expected to be advertised later this year.

Approx. Completion: June 2009

Contact: Chris Birosak (863) 519-2507

Advanced Public Transportation Systems

Lakeland Area Mass Transit District (LAMTD)–Automatic Vehicle Locator (AVL) System (418356 1 94 01)

The AVL contract was awarded in June 2007 for a total of \$286,070. The hardware has been delivered. Currently, an interlocal agreement with Polk County is being worked on to permit LAMTD to lease space on the tower for an antenna. The interlocal agreement was



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approved by the Polk County Board of County Commissioners in February 2008.
Approx. Completion: September 2008
Contact: Jan Parham (863) 519-2390

Lakeland Area Mass Transit District (LAMTD)–Customer Service, Information, and Enhancement Package (418357 1 84 01 and 418357 1 94 01)

Specifications have been reviewed and approved by the FDOT for the Information and Enhancement Packages. LAMTD has moved forward with purchases. Training and fleet software will be installed in the existing computer equipment system wide for the agency. This approach will be a streamline process.

Approx. Completion: December 2008
Contact: Jan Parham (863) 519-2390

Sarasota County Transportation Authority (SCAT)–Automated Public Transportation System Study and Procurement (410109 1 94 01)

On November 16, 2007, SCAT received approval from FDOT to proceed with the purchase of 17 additional automatic passenger counter (APC) units for SCAT fixed route buses from Urban Transportation Associates. The 50 percent reimbursement cost will be \$88,140.00, which includes the new units, and the wireless local area network necessary for 21 APC units processing daily data.

Activity for the next fiscal quarter: the Sarasota County Transportation Authority met on January 8, 2008, and approved Contract Amendment Number One to Urban Transportation Associates for the purchase of the 17 additional APCs. The purchase order was requested and approved, and installation of the new APCs is targeted for February 2008.

Approx. Completion: (on going)
Contact: Jan Parham (863) 519-2390

Sarasota County Transportation Authority (SCAT) (205803 1 94 01)

SCAT was to develop specifications for this project and FDOT would review and approve the specifications prior to SCAT moving forward purchases. PBS&J, with CUTR, was to have

worked with SCAT to handle the purchases of the new equipment with training for the system in 2007. SCAT consolidated this project into FDOT AL307 - APTS/ITS.

Approx. Completion: 2008/2009
Contact: Jan Parham (863) 519-2390

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

This project is upgrading the dispatching system including capital cost for an AVL system.
Approx. Completion: To be determined (on going)

Contact: Jan Parham (863) 519-2390

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

Approx. Completion: 2011
Contact: Julia Davis (239) 461-4327

• • District Two • •

Advanced Traffic Management Systems

Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Phase 5 (4147261)

This design-build project, on I-295 north from I-10 to I-295, involves construction/installation of two master communication hubs, fiber optic cable, communication equipment, closed-circuit television (CCTV) cameras, traffic detection units, dynamic message signs (DMS), connection to the Jacksonville Fiber Optic Network, and software integration/enhancements. A Systems Manager approach was chosen for this project due to the maturation of the Jacksonville system and undesirable conflicts encountered within the Design-Build construction process. The Central Office Statewide ITS General Consultant, PBS&J, was given the task of designing the project and procurement documentation. The project was



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awarded to World Fiber and they are on schedule to complete the work by July.

Approx. Completion: July 2008

Contact: Peter Vega (904) 360-5463

Traffic and Travel Management Jacksonville Interstate Surveillance and Control System, Phase VI

This design-bid-build project, on I-95 south from I-295 to the St. Johns County line, involves construction/installation of master communication hubs, fiber optic cable, communications equipment, CCTV cameras, traffic detection units, two DMSs, connection to the Jacksonville Fiber Optic Network, and software integration/enhancements. Telvent Abengoa was selected to design the deployment. A competitive bid to purchase and install the equipment will be advertised in the winter of 2008.

Approx. Advertisement: November 2008

Contact: Peter Vega (904) 360-5463

ITS Planning and Project Development

District Two VI Phase Design

The District received SIS/Growth Management funds to hire an ITS consultant design firm to generate ITS construction plans for I-95, from I-295 to the St. Johns County line. Telvent Abengoa was selected to perform the design. This is a 6.7 mile project that will incorporate tie-into the existing Phase III and Phase V deployments. Anticipated delivery of the design is February/March 2008. The design firm submitted 60 percent plans in March.

Contact: Peter Vega (904) 360-5463

Northeast Florida RTMC Design

The District received SIS/Growth Management funds to design and construct a new Regional Transportation Management Center for Northeast Florida. This facility is being constructed in unison with the Jacksonville Transportation Authority's multi-modal center. DMJM Harris is handling preliminary design and a CM@Risk advertisement was initiated in December 2007. The winning CM@Risk firm is Turner Construction. The contract will incorporate roadway, facility and ITS design.

Contact: Peter Vega (904) 360-5463

• • District Three • •

Advanced Traffic Management Systems

Bay County ITS Integration Project / Congressional Earmark Phase II of the Bay County Advanced Traffic Management System (ATMS) (408412-4)

This Contract Class 1 project contains four alternate scopes of work and involves integration of the communications backbone, previously installed under the Phase I Design-Build project, with ITS field devices. Additional work includes renovation of the existing Bay County Public Works facility to serve as an interim transportation management center (TMC), integration of the Hathaway Bridge Incident Management System ITS components, selection of TMC software, and support for the local school board.

PBS&J (Central Office ITS General Consultant) performed the Phase II design, the Letting Date was March 26, 2008, and this project was awarded to World Fiber Technologies. Phase III – Upon completion of Phase II, the ITS project will expand to include the remainder of major roadways/traffic signals (e.g., west side of Hathaway Bridge)

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

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

This project was initially envisioned to include the delivery of ITS services within a long term regional Asset Maintenance contract for Escambia County. The selected contractor would have been required to provide services for the design, deployment, testing, and operation and maintenance of a regional transportation management center (RTMC) and freeway management system (FMS) in Escambia and Santa Rosa Counties, Florida. 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



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management, and providing on-going operation and maintenance in support of a comprehensive FMS. This project was planned for deployment along approximately 32 miles of Interstate-10 starting at Escambia County Mile Post 0.000 and ending at Santa Rosa County Mile Post 15.716 and all of Interstate-110. This project would have required the contractor to deploy ITS field devices that meet current ITS standards developed by FDOT and include, but not be limited to, closed-circuit television (CCTV) cameras, dynamic message signs (DMS), road weather information systems (RWIS), and traffic detection units. Road Ranger service patrols were also to be included within the Asset Maintenance portion of the contract. The term of the ITS / Asset Maintenance contract was to be 10-years with a 10-year renewal period.

In April 2007, the District 3 Award Committee voted to reject all bids for this project. The project scope was revised to reflect the removal of the Asset Maintenance portion of the contract and the work within this project was re-advertised in May 2008. The public price proposal opening and reading of technical scores was held Thursday, June 5, 2008. The successful proposer was TransCore and the FDOT is currently in the process of contract execution.

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)

The 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 dispatching of Road Ranger service patrols. 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 future binding Joint Project Agreement(s) (JPA) has been 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. A Memorandum of Understanding was approved by the City of Tallahassee Commission on January 25, 2006.

The City of Tallahassee, through its competitive bidding process, will procure the services of a Program Manager to oversee the FMS and RTMS projects. The Program Manager will act as a representative for the city and the role of the Program Manager will be flexible and contoured to meet the specific needs of the 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 may be required to develop very limited conceptual plan sets, which would then form the basis for a design-build contract.
Contact: Chad Williams (850) 415-9504 or Cliff Johnson (850) 415-9694

• • District Four • •

Advanced Traffic Management Systems

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

This project provides for development of a temporary ITMS for Palm Beach County including 8 years of operations and maintenance



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for the system. The 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®.

Approx. Completion: November 2009
Contact: Steven Corbin (954) 847-2791

Districtwide ITS Operations Support Services Contract (231654-3-82-01 231654-3-82-02)

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). The project includes operation of the I-95/595 Broward County Dynamic Message Sign (DMS) System on a 24-hour/7-day a week schedule, the dispatching of the Broward Road Rangers, and coordination on operational issues with District 6, the Turnpike, the ITMS project, and Smart Traveler. This contract initially is for the operation of the SMART SunGuide™ TMC and will also encompass the operations of the new Palm Beach County VISTA TMC that is scheduled to open in late fall 2007.

Approx. Completion: November 2009
Contact: Steven Corbin (954) 847-2791

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

This project is for providing software support services for the District 4 Intelligent Transportation Systems. This project includes a dedicated full-time Database Administrator/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: Steven Corbin (954) 857-2792

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

This project is for the maintenance of the ITS devices in District 4, including: DMSs, 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 a Notice to Proceed of September 2007.

Approx. Completion: November 2010
Contact: Anthony Mendoza (954) 847-2798

Districtwide ITS General Consultant (4155291-32-01)

This project provides District 4 with a broad-range general consultant services allowing support to the District on an as needed basis. The project also provides a full-time person on-site the SMART SunGuide TMC. The contract was renewed for one year until October 2009, to VANUS, Inc. with funding of \$250,000 per year for two years.

Approx. Completion: October 2009
Contact: Dong Chen (954) 847-2796

Incident Management

Traffic Incident Management (TIM) Team (230357 1 32 03)

This project is for an Incident Management Team Facilitator. The current contract is with DMJM + Harris and began in June 2003. A new contract has been advertised and will be executed in August 2008. A new full-time, in-house TIM Coordinator position was created for this contract. A 5 Year Regional Traffic Incident Management (TIM) Strategic Plan has been finalized to guide the team's activities and help the team achieve it's goals and objectives by creating performance measures and milestones. A Memorandum of Understanding (MOU) has been developed which states that all agencies participating in the Regional TIM Team meetings agree to work in coordination and cooperation to share resources and information and to agree to use the TIM Team as a forum to establish a regional approach to incident management planning, implementation, and operations. The MOU also states that each agency agrees to commit staff to participate in each meeting. A Local Open Roads Policy agreement is also being sent along with the MOU for each agency to sign. We currently have signed agreements



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with 33 agencies. Other agreements, including a Joint Operations Policy, will follow as byproducts of this initial agreement.

Approx. Completion: August 2008
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 will provide two 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, I-595, and I-75 during peak hours. The project is funded at \$638,000 annually.

Approx. Completion: September 2010
Contact: Gaetano Francese (954) 847-2797

Broward County I-95/595/75 Road Rangers Service Patrol (231723 1 72 02)

This project provides Road Rangers to patrol the Interstates and help stranded motorists and assist highway patrols with incident management. The current contract was executed by Sunshine Towing in November, 2004. The hours of service will be reduced due to budget cuts. New hours of service are 6:00 a.m. to 7:00 p.m. Monday through Friday, no night time or weekend service.

Approx. Completion: Current contract ends September 2010
Contact: Gaetano Francese (954) 847-2797

Palm Beach County I-95 Road Rangers Service Patrol (2319241-72-02)

This project provides Road Rangers to patrol the Interstates and help stranded motorists and assist highway patrols with incident management. A new contract was executed by Sunshine Towing in August 2005. The hours of service will be reduced due to budget cuts. New hours of service are 6:00 a.m. to 7:00 p.m. Monday through Friday, no night time or weekend service.

Approx. Completion: Current contract ends July 2011

Contact: Gaetano Francese (954) 847-2797

Advanced Traveler Information Systems

I-75/I-595 Video Monitoring System Phase II (231739-3-52-01)

This is a design-build project in Broward County, including engineering, designing, furnishing, installing, integrating, testing, training, and documenting a fully operational fiber optical/wireless communications network (wireless can only be used on I-595 east of I-95) subsystem on approximately 53 miles of roadway; a CCTV camera surveillance subsystem with approximately 55 cameras; a DMS subsystem with approximately 12 DMSs; a traffic detection subsystem along the I-595 and I-75 corridors in Broward County with approximately 200 detectors; and upgrading of a video wall (approximately 24 X 67" video cubes) subsystem in the Broward TMC. These subsystems will be provided along the entire I-75 corridor in Broward and the portions of the I-595 corridor between I-75 and 1000 feet east of the Pine Island Road Interchange and between the interchange with I-95 to the terminus (eastward) of the I-595, along with nine existing DMSs currently using dial-up connections. Notice to Proceed was issued on May 12, 2005. The video wall upgrade was completed in June 2006. Contractor is currently deploying ITS devices along I-75. Stand alone testing began December 2007. Subsystem testing has been delayed due to incomplete Florida Power and Light (FPL) power drops.

Approx. Completion: August 2008
Contact: Daniel A. Smith (954) 847-2633

Palm Beach County ITS Deployment (404827-1-32-01)

This design-build project includes deployment of CCTV, DMS, traffic detectors, fiber communication network along I-95 within Palm Beach County. The RFP has been completed and the project was advertised in February 2008. Proposals have been received and are being evaluated for selection.

Approx. Completion: December 2012
Contact: Daniel A. Smith (954) 847-2633



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

This design-build project will continue ITS deployment into the District's three northern counties (St. Lucie, Martin, and Indian River Counties). This project includes deployment of conduit, fiber optical cables, telecommunication network, CCTV, DMS, detector, power supply (power run and UPS), etc. The contract has been awarded and the Notice To Proceed should be issued in March 2008.

Approx Completion: December 2011

Contact: Daniel A. Smith (954) 847-2633

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 FDOT Technical Review Committee has made its recommendations to the Award Committee. The contract was awarded to Miller Electric and the design is underway.

Approx Completion: December 2011

Contact: Daniel A. Smith (954) 847-2633

Broward County ITS Power Upgrade (421886-1)

This is a design-build project to upgrade the ITS power distribution system within 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 RFP for this project is currently in development.

Approx Completion: May 2010

Contact: Daniel A. Smith (954) 847-2633

Broward County I-75 Safety Project (423021-1)

This is a safety project approved by the District 4 safety committee in June 2007. This is a design-build project to improve safety on the I-75 corridor (Alligator Alley). Deployment includes installation of DMSs, weather sensors, CCTV cameras, and detectors. The RFP for this project is currently in development.

Approx Completion: April 2012

Contact: Daniel A. Smith (954) 847-2633

• • District Five • •

Advanced Traffic Management Systems

ITS Fiber Optic Leesburg and Ocala Maintenance

This project provides fiber connection from I-75 to maintenance facility.

Approx. Completion: Unfunded

Contact: Michael Smith (386) 943-5360

iFlorida

This is a statewide project awarded by the FHWA. The following are the bundled project descriptions and status:

National Evaluation

Project Description: The iFlorida Program Management Support task was developed to assist the FDOT in completing Phase I of iFlorida.

Project Status: Final documents are in draft form.

Network Reliability / Traffic Modeling

Project Description: This project will use traffic modeling to assess and develop contingency plans should damage to a major bridge make it unusable. This project will also apply either the Florida Reliability Method or a nationally accepted alternative (should one exist) to all road segments in the Central Florida area for which travel time data will be available through iFlorida.

Project Status: Consultant has been provided data for this project. There was an amendment to this scope of work to change the project limits and type of traffic modeling process and software to use.

Metropolitan Data Mining

Project Description: This project will enable the region's metropolitan planning organization, METROPLAN, to identify, experiment with, and evaluate how comprehensive multi-modal data can be used to improve regional planning and decision-making. Decision has been made to cancel this project per MetroPlan Orlando.

Project Status: Extended FDOT contract with FHWA ends October 2008.



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Freeway Management Systems

I-95 Phase 7 (416391-1) (Flagler County Expansion)

This project completes the ITS expansion in District 5 by constructing the remaining devices in Flagler County from US-1 to US-1.

The project started in August 2007, and is currently at day 290 of 243. The dynamic message signs (DMS) were recently tested and the contractor is preparing for installation.

Contact: Mike Smith (386-943-5360)

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 24 Road Ranger personnel and 12 Road Ranger vehicles. Florida Highway Patrol (FHP) radios have been distributed to all Road Rangers on I-4. The regional transportation management center is dispatching Road Rangers via FHP radios. FHP radios will be distributed to FDOT On-Call Maintenance Personnel when background checks have been completed.

Status: Due to the reduced funding of the Road Ranger Program Statewide, District 5 has extended the existing contract one month until the Central Office and Work Program determine funding. Extension of this contract begins July 1, 2008, and ends July 31, 2008. LYNX, the FDOT contractor for this project, is working on sponsorship to supplement any additional funds to continue the contract.

Contact: Jennifer Heller (386) 943-5322

• • District Six • •

Advanced Traffic Management Systems

I-395 ITS Deployment from I-95 East to Alton Road (251686)

This is a design-build project that will be constructed concurrent with the Palmetto ITS Deployment Project (414760). The project will consist of the installation of 10 closed-circuit television (CCTV) cameras, 1 arterial dynamic message sign (DMS), a fiber optic backbone, and 10 microwave vehicle detection system (MVDS) units. Expected construction activities

involve 100 percent ITS Plans submittal and underground conduit installation. Construction start date was January 2008. The estimated construction project cost is \$3.47 million.

Approx. Completion: June 2009

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 will be constructed concurrent with the I-395 ITS Deployment Project (251686). The project will consist of the installation of 6 CCTV cameras, 3 freeway DMSs, a fiber optic backbone, and 37 MVDS units. Expected construction activities involve 100 percent ITS Plans submittal and underground conduit installation. Construction start date was January 2008. The estimated construction project cost is \$4.1 million.

Approx. completion: June 2009

Contact: Sergio Bravo (305) 499-2482

SR 5 (US 1) Corridor from SW 17 Avenue South to SW 112 Avenue (414754-1-52-01)

This is a design-build project that consists of the installation of 17 CCTV cameras, 4 arterial DMSs, fiber optic cable, and 6 mid-block MVDS units. Construction activities involve delivery, installation, and testing of DMS structures, complete static CCTV cameras, complete integration of DMS, and complete central control test. The project construction start date was September 2006 at an estimated construction cost of \$6.5 million.

Approximate completion: July 2008

Contact: Sergio Bravo (305) 499-2482

District Wide Intelligent Transportation Systems (ITS) Operations Support Services Contract (250115-3-32-01 and 417740-1-82-02)

The purpose of this contract is to retain a qualified consultant for the management and operations of the FDOT District Six ITS. The consultant will be responsible for providing services, such as, but not limited to: monitoring traffic conditions on Miami-Dade and Monroe Counties roadways via CCTV cameras and vehicle detection systems, disseminating traveler information via DMSs, dispatching Road Ranger Service Patrol vehicles to accident or incident scenes, providing Information



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technology support, and traffic operations and ITS engineering support services to the District.
Contract Length: 5 years
Contract Notice to Proceed: December 18, 2007
Procurement Budget: \$15,100,000
Contact: Javier Rodriguez (305) 470-5341

Freeway Management Systems

I-95 Managed Lanes – “95 Express” (415456-1-52-01)

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 limits are from SR 112 / N.W. 10th Street / I-195 interchange (southern terminus) extending up to south of Broward Boulevard Park and Ride (northern terminus) and will include altering the HOV requirements to allow free use of the facility by registered vehicles with 3+ passengers, transit vehicles, and hybrids as well as allowing use of the facility by single occupancy vehicles (SOVs) for a toll. The project will be deployed in a two phases with Phase I including a District 6 portion and Phase II including the balance of District 6 plus a District 4 segment. The 95 Express facility will be controlled and monitored by existing FDOT SunGuide™ traffic management centers in Districts 4 and 6. Further information about 95 Express can be found at the project Web site, www.95express.com.

Approximate Completion for Phase I: Summer 2009 (Portions IA will open in the summer of 2008)

Approximate Completion for Phase II: Spring 2010

Contact: Rory Santana (305) 470-6934

Advanced Traveler Information System

Traveler Information (405663-1)

This project provides uniform, multi-modal, real-time traveler and traffic information in South Florida (Palm Beach, Broward, Miami-Dade, and Monroe Counties) under the SunGuideSM Program. The SunGuide Program staff is presently operating (since May 21, 2004) in the transportation management center (TMC) located just off the Florida Turnpike and SR 836

(Dolphin Expressway) junctions. Law enforcement agencies; such as, Florida Highway Patrol, and the 511 system and staff provided through a partnership with SRS/Westwood One (FDOT’s ATIS Private Partner) collocated in June 2006 to the SunGuide TMC. The 511 system features a Web site (www.511southflorida.com) that provides snapshots of real-time traffic conditions and an interactive voice response telephone system.
Contract End Date: November 12, 2008.
Contact: Rory Santana (305) 470-6934

• • District Seven • •

Advanced Traffic Management Systems

US 19 Advanced Traffic Management Systems for Pasco County, Stages II and III (405165-2 and 3)

This completes the US 19 advanced traffic management systems (ATMS) project in Pasco County. It runs from Main Street to County Line Road. The adaptive signal system, SCATS, was installed to control traffic on an area basis on 16 additional intersections. On an area basis, SCATS selects combinations of cycle time, splits, and offsets from pre-determined sets of parameters and on-line calculations. SCATS, then, directly optimizes traffic parameters for each sub-system based on measured activity, and then applies offsets to achieve coordination as appropriate across the network in the corridor to optimize traffic flow. This project included installation of 22 closed-circuit television (CCTV) cameras and two dynamic message signs (DMS). A dedicated fiber optic communications network was installed along US 19 in Pasco County and routed to the transportation management center (TMC). The project leverages the system manager contracting strategy. FDOT, with the aid of the system manager, has completed the process of procuring all field devices. This ITS project is valued at \$7.5 million. The project is currently under final integration.

Approx. Completion: July 2008

Contact: Rochelle Garrett (813) 975-6733



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Pinellas Countywide ATMS, Stage II (406255-2)

This completes the remaining portion of the US 19 ATMS project in Pinellas County from Haines/Bayshore to 54th Avenue North. An additional 15 intersections were placed under the MIST/OPAC adaptive traffic control. The project also included the installation of thirteen CCTV cameras and four DMSs. A dedicated fiber optic cable was installed on US 19. The construction project was let to contract on February 2006. The project leverages the system manager contracting strategy. FDOT, with the aid of the system manager, has completed the process of procuring all field devices. This ITS project is valued at \$4.0 million. This project is currently in final integration, but some of the ITS work has been transferred to a construction project.

Approx. Completion: October 2008

Contact: Rochelle Garrett (813) 975-6733

Plant City ATMS (414990-1)

This project reflects development and deployment of the Plant City ATMS for enhancing traffic management in conformance with the *Tampa Bay Regional ITS Architecture (TBRIA)*, *Plant City ATMS Feasibility Study*, and *Plant City ITS Concept and Evaluation Report*. The design and construction of this project will involve deployment of a TMC and ATMS field devices, including: 48 advanced traffic controllers and associated cabinets equipped with uninterrupted power supply (UPS) and battery backup, CCTV cameras, and dynamic trailblazer signs to be linked to the city's TMC using the Plant City-owned fiber optic communications media. The scope of this project is to develop the Plant City TMC and interconnected ATMS elements via the city's existing fiber optic communications infrastructure. The purpose of the project is to deploy central and strategically located ATMS field devices to enable the city to proactively monitor, manage, and operate recurrent congestion, special events, and I-4 incidents causing traffic diversion along the city's arterial street system. The TMC will include a video wall, TMC server, Ethernet switches, workstations, and digital video encoder and decoder. The cost of this project is approximately \$2,200,000 and is being managed by Plant City.

Approx. Start: January 2008

Contact: Rochelle Garrett (813) 975-6733

Freeway Management Systems

Tampa Bay SunGuide™ Freeway Management System, Phase I (407233-1, 407233-2, 409366-1, 258643-2, and 258401-2)

These projects are for construction and installation of ITS field devices and communications for the freeway management system (FMS) on various roadway segments in the Tampa Bay region along I-275 and I-4 (31 miles of ITS-managed highways). These field devices (vehicle detectors, video cameras, and DMSs) will connect to and be managed from the Tampa Bay SunGuide (TBSG) Center.

The first project (407233-1) is I-275 in north Tampa from Dr. Martin Luther King Blvd. to Bearss Avenue with a fiber communications link from I-275 to the TBSG Center located at the District 7 Headquarters. Deployment and integration on this segment is complete and being operated 16 hours per day, five days per week. This project was fully integrated by February 2007 and is being maintained through the District ITS Device Management contract.

The second project (407233-2), I-275 from 54th Ave. N. to Kennedy Blvd., was constructed by Traffic Control Devices and was completed in April 2007. The project is currently in the final integration phase, with an expected operational date of June 2008..

I-4 from 50 St. to CR 579 (409366-1) is the third Phase I project which was awarded to Highway Safety Devices in May 2005. Construction was completed in October 2006, and testing and integration are completed. This segment was operational by June 2007.

The fourth roadway segment, I-275/I-4 from N. Hillsborough to the Downtown Interchange (258643-2), was let in June 2005, and awarded to Highway Safety Devices. Project construction was completed in March 2007. Testing and integration were completed and the segment became operational on August 2007.

For the fifth and final Phase I project (258401-2), I-4 from W. of 14 St. to E. of 50 St., a decision was made to include the infrastructure deployment for this segment in a roadway project (258401-1). Construction of the



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infrastructure was completed in July 2007. The device installation for this segment took place under the Phase II deployment of FPN #409366-2. Testing and final integration was completed in May 2008, and became operational in June 2008. .

Completion Of Phase I Operational Date: June 2008

Contact: Bill Wilshire (813) 615-8610

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 FMS on the Tampa Bay Interstate highways. It consists of four projects on segments of I-75, I-275, I-4, and SR 60 (37 miles of ITS-managed highways). TBE Group, Inc. is the prime system manager for Phase II projects.

The first segment is SR 60 from Courtney Campbell Causeway to Cypress Street in Tampa (255844-2). Florida Industrial Electric (FIE) was the successful bidder and construction started in August 2007. Due to structural problems of meeting the Tampa Interstate Design Standards, this project is not expected to be operational until October 2008.

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 are underway and this segment is expected to be operational in June 2008..

The third segment, I-75 from US 301 south of Brandon to Fowler Ave (410909-1), includes a telecom link along Fowler Ave. from I-75 to the TBSG Center. TransTech completed construction in late April 2007. Integration services are underway and this segment is expected to be operational in August 2008.

The final segment, I-275 from 54th Ave. South to 54th Ave. North, in St. Petersburg (407233-4), had final plans as of June 2006. However, the letting was delayed until July 2008, due to funding issues. The project is currently advertised for August 2008, and then a two year construction period.

Approximate Operational Dates: 12 miles in June 2008; 11 miles in August 2008; 3 miles in October 2008; and 11 miles in January 2010
Contact: Bill Wilshire (813) 615-8610

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

This is the third phase of projects along the Tampa Bay SunGuide Interstate highways. It consists of segments on I-275 and I-4. URS is the system manager for Phase III. Notice to Proceed for design was issued, but the schedules have been moved out from the original dates due to funding constraints.

Projects 409366-3 and 409366-4 include I-4 from Plant City in Hillsborough County to US 27 in Polk County (32 miles). These projects were let together and awarded to World Fiber, Inc. in March 2007. Both are currently under construction and expected to be completed in February 2009. Integration services will begin immediately following construction and this segment is expected to be operational in June 2008.

Project 407233-5 (I-275 Sunshine Skyway) has a scheduled letting in 2012.

Project 407233-7 (I-275 from Bearss Ave. to I-75) has a scheduled letting date in 2011.

Approx. Completion: Fiscal Year 2013

Contact: Robert Lopes (813) 615-8612

Advanced Traveler Information Systems

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

A project agreement between Mobility Technologies (a.k.a. Traffic.com) the pre-selected private partner per a Federal Task Order, and FDOT was completed in August 2003. It resulted in approximately 100 vehicle detection sensors being installed on Tampa Bay Interstates. 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 the 511 Tampa Bay



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Traveler Information service, such as travel time and speed data.

FDOT District 7 will be relocating these sensors through the requirements of their existing contract with Traffic.com as the permanent ITS deployments come online. The sensors included in this contract will be moved to cover areas that will be later in receiving their permanent deployments to provide optimum coverage and data.

Approx. Completion: Fiscal Year 2014
Contact: Bill Wilshire (813) 615-8610

Tampa Bay Advanced Traveler Information System (ATIS) (412543-1)

After completion of an Invitation to Negotiate, an ATIS Information Service Provider (ISP) for the Tampa Bay region, Mobility Technologies (a.k.a. Traffic.com) was selected and awarded the contract in June 2003. Mobility Technologies' Program Management Plan was approved by FDOT in October 2003, marking the beginning of a five-year contract providing 511 telephone service and an Internet-based traveler information service to the Tampa Bay traveling public. Launched on September 2, 2004, 511 Tampa Bay is now available via the web at www.511tampabay.com or by dialing 511 in the Tampa Bay region.

The system's marketing campaign, consisting of public service announcements, public outreach, radio advertisements, and other marketing means, started the first part of February 2005. Presentations have been made to elected officials, Florida Emergency Preparedness Association, several area Rotary clubs, and many other entities. Mobility Technologies and FDOT participated in the Governor's Hurricane Conference, Florida Emergency Preparedness Association Annual Meeting, and other local hurricane preparedness workshops in the Bay area. Mobility Technologies recently delivered 511 Tampa Bay presentations to the Sarasota/Manatee MPO Board and their respective committees to educate them on our service. As a result of these presentations, FDOT and Mobility Technologies have received more offers to speak to other organizations in the area, such as Kiwanis clubs. The final radio campaign started at the end of July 2006 to raise awareness of 511 Tampa Bay during the

hurricane season. FDOT continues to seek out ways to disseminate information on 511.

Districts 7 and 1 have been working together on marketing outreach in Polk, Sarasota, and Manatee Counties since the 511 Tampa Bay service crosses District boundaries. Coverage has been expanded to cover approximately 300 additional roadway miles in Polk, Sarasota, and Manatee Counties.

Some system enhancements were made to 511 Tampa Bay based on feedback from the system users. These system enhancements should make using the service easier. A voice comment line has also been added for phone users to leave comments regarding the system. The comments received are being reviewed and, when necessary, responded to by the District 7 Public Information Office.

Contract End Date: December 2008
Contact: Bill Wilshire (813) 615-8610

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

Road Rangers Service Patrol in Hillsborough and Pinellas Counties was initially established in October 2000, to provide "free" highway assistance to motorists and assist in clearing freeway incidents. The District 7 patrols operate 24/7/365 and average 2,700 assists per month. Their duties include traffic control during incidents, assisting law enforcement personnel in the quick clearance of traffic incidents/accidents in order to restore smooth and efficient operation of our roadway system, and roadway debris removal. They also provide essential assistance during storm events and other emergencies.

During this period, the Road Ranger began patrol of the Lee Roy Selmon Crosstown Expressway 12-hours per day, 5-days per week.

As of July, the District 7 Road Rangers expanded their coverage area to include all of I-275 north to the I-75 junction and I-75 from Bruce B. Downs to SR 56. This coverage is for 7-days per week, 16-hours per day. In addition, the existing I-75 16-hours per day coverage has been expanded to 7-days per week.



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On July 26, 2007, the TBSG RTMC began 24-hour, 7-days a week, 365-days a year dispatch of the Road Rangers in District 7. When District 1 begins their new contract, the District 7 RTMC will also be responsible for dispatching the District 1 Road Rangers on I-4
Approx. Completion: Ongoing
Contact: Terry Hensley (813) 615-8611

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Advanced Traffic Management Systems

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

The Pompano and Turkey Lake Traffic Management Center (TMC) facilities are staffed 24 hours a day, 7 days a week. Incident management is accomplished utilizing 300+ closed-circuit television (CCTV) cameras, 10 highway advisory radios (HAR), and 24 dynamic message signs (DMS) along the Turnpike's mainline; 5 DMSs on the Sawgrass Expressway; and 3 DMSs on the Beachline Expressway (Toll 528). TMC Team Members work closely with Florida Highway Patrol (FHP) Troop K and other agencies to detect, verify, and mitigate incidents. Advanced traveler information system (ATIS) team leaders at each facility work in close coordination with State Farm Safety Patrol operators by dispatching them on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, Sawgrass Expressway (Toll 869), and Veterans Expressway (Toll 589) through a 450 MHz radio system, an automatic vehicle locator (AVL) system and Nextel radio communications. The TMC's Traffic Operations Incident Coordinator works closely with Turnpike's Roadway Maintenance and Construction units. Florida's Turnpike Enterprise is also part of the Florida Statewide/Central Florida 511 service, Tampa Bay 511 service and the South Florida SunGuide™ 511 ATIS partnership in Miami-Dade, Broward, Palm Beach, Monroe, Martin, St. Lucie, and Indian River Counties.

The TMC, in its role as the 24-hour communications center for the Turnpike, performs essential duties to support Florida's

Turnpike Enterprise (FTE) Rapid Incident Scene Clearance (RISC) program. The TMC is the official timekeeper of RISC milestones and the hub of traffic/incident management communications. The RISC program is an innovative program that assists FTE to achieve the Open Roads Policy goals by significantly reducing the time it takes to clear major incidents through providing an incentive for the use of specialized vehicle recovery equipment and procedures. Selected recovery contractors are assigned specific sections of the Turnpike and are required to respond to and open the travel lanes within a pre-determined period, making the contractor eligible for an incentive bonus. If the travel lanes are not cleared within a period of three hours from notice-to-proceed, the contractor will be assessed liquidated damages. The Turnpike TMC is FHP's primary contact for Emergency Roadway Maintenance response.
Approx. Completion: Operations Ongoing
Contact: John Easterling (954) 934-1292 and Jim Hilbert (407) 264-3312

Automated Vehicle Location (AVL) System

The existing Turnpike Road Rangers' AVL system is integrated with both TMC facilities. The current AVL system provides the Turnpike TMC with Road Rangers' location information enabling more efficient response to incidents on the Turnpike by dispatching the closest available mobile asset(s). The AVL system also provides the TMC with accurate vehicle speed of Turnpike monitored vehicles to help determine traffic flow. The AVL system collects vital information and delivers this information to the TMC in "real time." The AVL system has been installed and implemented at both the Turkey Lake and Pompano TMC facilities. The Turnpike TMC and ITS groups have integrated the AVL system into SunNavSM to make the system more efficient, and provide additional information fields to the TMC with minimal effort on the part of the service patrol group. Road Ranger reports are being generated on demand using the SunNav Crystal Reports server interface.
Approx. Completion: On-going
Contact: John Easterling (954) 934-1292



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SunNavSM ITS South Florida Part A ITS Improvements (406119-2-32-01)

This project will include fiber optic cable, DMS, CCTV, vehicle detection, and HAR deployment on the southern portion of the HEFT from Milepost (MP) 0 to MP 7 and on a section of the Golden Glades Spur. The project will also deploy vehicle detection technologies in Miami-Dade, Broward, and Palm Beach Counties and will complete the CCTV installation in the Phase I project limits within Palm Beach and Miami-Dade Counties. The project was awarded to Miller Electric Inc. A Notice to Proceed of March 4, 2007, has been issued and construction work is on-going.

Approx. Completion: July 2008

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

SunNavSM ITS Central and West Florida ITS Improvements (406120-2-32-01)

This project has been broken into two sections. The off mainline facilities in the Orlando area have been grouped into one project and the facilities in Lakeland and Tampa have been grouped into a second project. The projects will install a fiber optic communications system along one side of each roadway along with a full implementation of CCTV cameras, DMSs, and vehicle detection devices on all of the facilities. The projects will also incorporate the needs of other Turnpike groups, such as the Office of Tolls. The Turnpike awarded these projects to: TransTech Electric for the Central Florida ITS Project and Miller Electric for the West Florida ITS Project. Construction work is on-going.

Approx. Completion: September 2008

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

Vehicle Detector Station (VDS) System (406123-1-52-01)

The goal of this project is to install a vehicle detection technology on the Florida's Turnpike mainline from MP 117 to MP 309 to determine vehicle speed, density, and volumes. This information will assist the TMC facilities in identifying congested areas and allowing them to take appropriate actions such as posting DMS or HAR messages. The project also includes the installation of equipment to calculate travel times between DMSs and the major interchanges and other important points on the Turnpike mainline.

The project was awarded to Miller Electric Inc. Construction work is on-going.

Approx. Completion: September 2008

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

Dynamic Message Sign Project (406124-1-52-01)

The objective of this project is to design and install additional DMSs in those areas along the Turnpike Mainline that do not already have DMS coverage. In addition, the project will include some arterial DMSs approaching the Turnpike Mainline as well as information displays at the Turnpike's Service Plazas. The project was awarded to Traffic Control Devices Inc. Construction work is on-going.

Approx. Completion: December 2008

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

Sawgrass Expressway ORT Smart Highways Project (42089-2-52-01)

This Design-Build project was recently awarded to the Miller Electric/Metric Engineering Team after a competitive process. FTE's vision for the Sawgrass Expressway (SR 869) is to become "the prototype user financed highway for the 21st century." The migration of SR 869 to a "smart" highway is essential in achieving this vision. A smart highway can be defined as a facility that has a smart infrastructure, intelligent vehicles, telecommunications, information services (decision quality information), and can be accomplished through both high- and low-tech solutions. This project is one of the first steps in such a transformation.

The project will design, construct, and integrate the following four deployments as part of the Smart Highway Initiative on SR 869: 15 arterial dynamic message signs (ADMS), 2 road weather information system (RWIS) stations, 17 automatic vehicle identification/transponder reader locations to support the travel time system and 2 passive speed monitoring system (SMS) sites. The SMS will be an advisory system positioned alongside the roadway to capture a vehicle's speed and display the travel speed directly back to the motorist. An amber beacon is included along with the variable message signs and will flash when the observed speed exceeds a configurable limit over the



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speed limit. The selected design build team is currently preparing construction plans for the project.

Approx. Completion: August 2008

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

Southern Turnpike Arterial DMS Expansion Project (406121-1-52-01)

This Design-Build project was recently awarded to the Miller Electric/F.R. Aleman Team after a competitive process. The objective of this project is to design and construct 10 arterial DMSs on arterial roads in advance of the Turnpike system in Miami-Dade, Broward, and Palm Beach Counties for the purpose of providing information on Turnpike Mainline traffic conditions, detour routes, lane/road closure, special event traffic, construction, route diversion, and weather alerts to motorists. It is the FTE's preference that the arterial DMSs communicate back to the TMC via a wireless connection to the existing fiber optic network. A Notice to Proceed of February 22, 2008, has been issued.

Approx. Completion: January 2009

Contact: John Easterling (954) 934-1292 or Juan Kuthy (954) 934-1295

Traffic Management FHP Lake Worth Dispatch Center Operator

Florida's Turnpike Enterprise TMC has permanent staffing at the FHP Troop K, Lake Worth Dispatch Center. Four full-time FHP Dispatch TMC Team Members are committed to the FHP Dispatch Center, thus improving service to Turnpike customers. The FHP Dispatch Center is staffed by TMC Team Members, covering 3 shifts, from 6:00 a.m. to 2:15 p.m.; 2:00 p.m. to 10:15 p.m.; and 10:00 p.m. to 6:15 a.m. As liaisons between FHP and the TMC, FHP Dispatch TMC Team Members work in conjunction with the Turnpike's TMCs and facilitate sharing of incident status information between FHP and the TMCs. 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 FHP's video wall control.

Approx. Completion: On-going

Contact: John Easterling (954) 934-1292

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

The Florida's Turnpike Enterprise's TMC dispatches State Farm Safety Patrol on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, and the Sawgrass Expressway (Toll 869). Road Rangers are 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. or 12:00 p.m. to 8:00 p.m., depending on the location along Florida's Turnpike system. Units are dispatched by the TMC via 450 MHz radio (primary mode of communication) and Nextel Direct Connect (back-up communication) systems and are tracked via an AVL system.

Approx. Completion: On-going

Contact: Mari Soper-Bojan (954) 934-1148

Public Information Display and Florida's Turnpike Web Site

The Florida's Turnpike Traffic Operations group provides several public information displays (PIDS) displaying real-time traffic information at several locations including Turnpike offices in Pompano and Turkey Lake. These pilot PIDS contain relevant, real-time traffic information including a listing of incidents within close proximity and real-time traffic monitoring video feeds. The displays also promote use of the 511 and SunPass programs. Also, the Turnpike has recently enhanced the Public Information Office's internet Web site (www.floridasturnpike.com) by hosting real-time traffic information to the public, which can be accessed from home, office, portable or PDA connections to the internet. This Web site contains a listing of current incidents, construction events, DMS messages, CCTV



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images and a map interface to display this information. In addition to these efforts, an enhanced version of the PIDS application was developed. This new interface is capable of decoding two to four videos and provides an integrated incident report feature. Turnpike's Executive Office Public Information Display was deployed October 2007. The system is being tested to ensure it meets the requirements and defines possible software improvements. Deployment of the PIDS in all Turnpike service plazas is ongoing and will provide the same real-time traffic information, maps, and live traffic video to the general public.

Completion: On-going

Contact: John Easterling (954) 934-1292 or
Wilfredo Corchado (407) 264-3489

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