

FDOT District 1 ITS Project Update

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ITS Program Manager



Outline

- Overview Existing Projects
 - Freeway Management Systems
 - Advanced Traveler Information Systems
 - Advanced Traffic Management Systems
 - Incident Management Program
- Future ITS Projects

Freeway Management Systems

- I-75 Collier & Lee Counties FMS and Regional Transportation Management Center (RTMC) DB
 - FPN: 416412-1, 416413-1, 414733-1
 - Under Construction (NTP Jan. 2, 2006)
 - FMS
 - 79 CCTV Cameras, 111 Microwave Detectors, 26 Dynamic Message Signs & 2 Roadway Weather Information System Units
 - Safety Barrier Cable System ITS Improvements
 - ~98 miles of fiber cable, Ethernet communications
 - Video wall and Integration of all Control Center and Field Devices
 - Installation of Conduit on Alley is Complete
 - RTMC
 - Located in Rest Area off of I-75 and Daniels Parkway
 - Multiple Agencies: FDOT FMS Operations, FDOT MCCO, FHP Dispatch and FHP District
 - Building Site Construction Began February 2007
 - Completion Scheduled January 2008



Freeway Management Systems Conceptual Perspectives RTMC



1 Front Entry

2 Front Entry Aerial

3 Site Aerial

4 Entry Plaza

5 Public Entry

DATE		DESCRIPTION		REVISION	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**PARSONS
BRINCKERHOFF**
100 YEARS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

PROJECT NO. N/A COUNTY LEE FEDERAL PROJECT ID 414733-1-52-01

FORT MYERS REGIONAL TRANSPORTATION
MANAGEMENT CENTER
BUILDING PERSPECTIVES

SHEET NO. A-16

Advanced Traveler Information Systems

- Southwest Florida ATIS (Collier, Lee, Charlotte Counties)
 - FPN: 414668-1
- Invitation to Negotiate (ITN)
 - Procurement of Operations Staff and Marketing
 - Design, Build, O & M the Automated Data Collection Devices For Interstate
 - Available Early Spring 2007
 - Web Site: www.southwestflorida511.com
- Traffic.com – Operations contractor



Advanced Traffic Management Systems

□ Charlotte County (Construction) DB

- FPN: 193824-1, 418601
- Under Construction (NTP Jan. 3, 2006)
- 84 Intersections
 - NEMA Controllers in TS2 - Type 1 Cabinets
 - 39 CCTV Cameras
 - Updated Control Center
 - Fiber Cable and Ethernet Equipment
- Phase I Construction (54 Intersections) is Complete



Advanced Traffic Management Systems

□ Manatee/Sarasota/FDOT Satellite RTMC Building

- FPN: 415228-1, 414735-1
- Manatee County to Design and Construct via JPA
- Collocation of City of Bradenton, Manatee County, City of Sarasota, and Sarasota County Signal Systems, Manatee County EOC, Manatee County 911 Center, and FDOT Satellite RTMC
- Currently Under Construction
- Facility Scheduled to Be Completed Mid-2007



Advanced Traffic Management Systems

□ City of Winter Haven/Polk County (ITS Master Plan and Design)

- FPN: 408043-1
- ITS Master Plan Ongoing
- SEMP Being Finalized
- Completion July 2007
- City Design Build Criteria Package on Hold (Construction Funding 2010/2011)
 - City May Advance Funds For Construction



Incident Management

- District One Continues to Facilitate Two TIM Teams
 - Received ITS Florida Certificate of Outstanding Achievement
 - Championing Improved Enforcement and Safety on Alligator Alley
 - Championing Inclusion of Accident Investigation Sites on Future Widening Projects on I-75
- Taking Over Road Ranger Program From Maintenance



Future ITS Projects

- Charlotte County I-75 FMS Design-Build Criteria Package
 - FPN 414738-2
 - Advertise: April 2007
 - Construction Scheduled For 2008/2009
 - Project Highlights
 - Develop RFP, Minimum Requirements, Preliminary Plans For a FMS Design-Build Construction Project on I-75 in Charlotte County
 - Extension of the Lee-Collier FMS Based on Conceptual ITS Plan For Charlotte County
 - Includes:
 - Fiber Optic Communication Network Deployment
 - CCTV Camera System
 - DMS System
 - HAR System
 - RWIS
 - Vehicle Detection System
 - Integration at the RTMC



Future ITS Projects

□ Manatee County ATMS Construction

- FPN 416119-1
- Letting Date: Scheduled for March 2008, FDOT Letting
- Project Highlights
 - Finalize Design Based on Preliminary Plans Package
 - Construction of ATMS
 - Upgrade Will Include:
 - New Central Hardware and Software
 - New Controllers and Cabinets at 141 Intersections
 - 40 CCTV Cameras
 - Existing Communications Upgraded to Fiber With Ethernet Communications
 - Integration at the TMC Including Video Wall, Consoles, Work Stations, and All Other ITS Equipment



Future ITS Projects

- Sarasota County ATMS Construction
 - New Project – Transportation Regional Incentive Program (TRIP) Growth Management Funds
 - FPN: 420974-1 & 420974-2
 - Upgrade Existing Signal System to Be Compatible With Manatee County ATMS Requirements
 - Construction Letting TBD



Future ITS Projects

□ ITS Operations Contract

- FPN 417733-1
- Contract Execution Date: June 2007
- Advertised: March 13, Proposals Due: April 30
- Project Highlights
 - Provide Services for 24-7-365 ITS Operations, Traffic Management, and Incident Management at the Southwest SunGuide RTMC in Lee County
 - Other Facilities May Be Added as They Become Operational
 - Provide Staff to Manage and Operate the FMS
 - Five Year Contract with Option to Renew for Additional Five Years
 - Optional Work Tasks May Include 511 Operations



Future ITS Projects

- ITS Routine Maintenance of Freeway Management System Devices Contract
 - FPN 419713-1-72-01
 - Contract Execution Date: Early 2008
 - Project Highlights
 - Provides For Routine Maintenance of ITS Field Devices Installed on I-75
 - Will Be Combined With the ITS Fiber Locate Contract



Future ITS Projects

- ITS Fiber Optic Cable Location Service Contract
 - FPN 419714-1-32-01
 - Contract Execution Date: Early 2008
 - Project Highlights
 - Provide Field Locates of ITS Fiber Optic Cable For Future Construction Projects Within District One
 - Will Be Combined With ITS Routine Maintenance of FMS Devices Contract

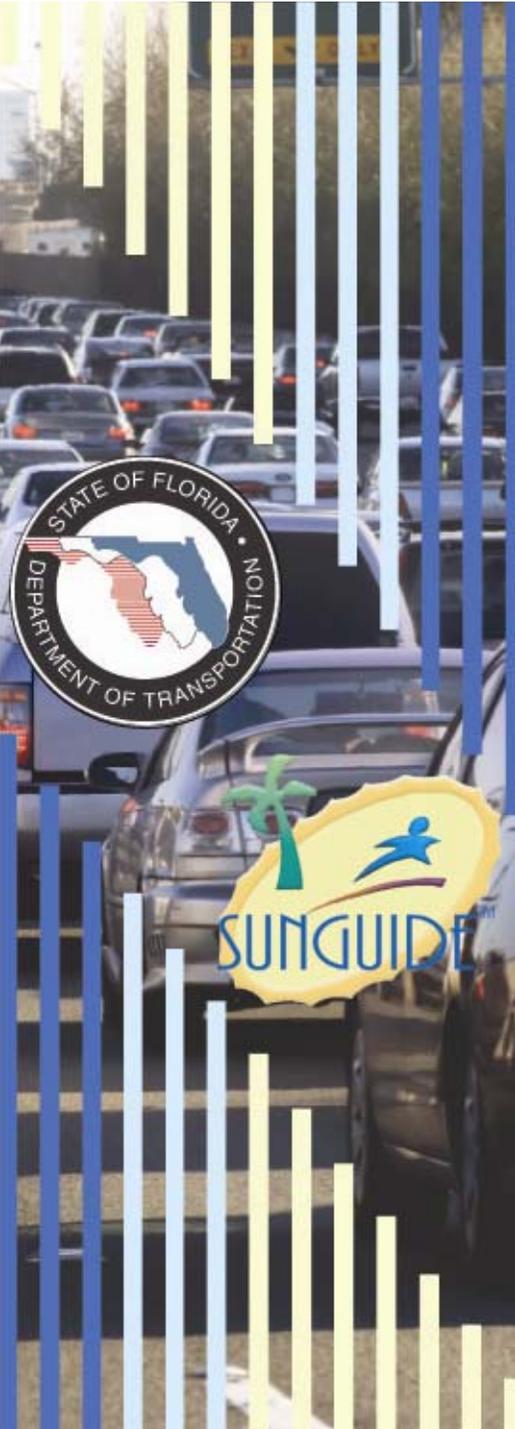


Future ITS Projects

□ District Wide Road Rangers

- FPID: 422263-1-72-02 (Polk County) and 422286-1-72-01 (Collier County)
- Contract Execution Date: June 2007
- Advertised: March 13, Proposals Due: April 24
- Project Highlights
 - District Wide Contract, Initially Provides Service in Polk and Collier Counties
 - Service Provided 24-7-365
 - May Be Expanded to Include Other Counties Within the District as Current Asset Management Contracts Expire





Questions?

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