

# District 1 ITS Project Update



Chris Birosak  
ITS Program Manager



## Outline



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



## Freeway Management Systems



- I-75 Collier and Lee Counties FMS DB
  - FMN: 416412-1, 416413-1
  - Miller/TransCore/Haskell/Bermello-Ajamil (B&A)
- Under Construction (NTP Jan. 2, 2006)
  - 81 CCTV Cameras
  - 126 Microwave Detectors
  - 26 Dynamic Message Signs
  - 2 Roadway Weather Information System Units
  - Safety Barrier Cable System ITS Improvements
  - Approximate 98 miles of fiber cable, Ethernet communications
  - Video wall and Integration of all Control Center and Field Devices



## Freeway Management Systems



- I-75 Regional Transportation Management Center (RTMC) DB
  - FMN: 414733-1
  - Miller/TransCore/Haskell/Bermello-Ajamil (B&A)
- Under Construction (NTP Jan. 2, 2006)
  - Approximately 49,000 SF
  - Multiple Agencies
    - FDOT FMS Operations
    - FDOT MCO
    - FHP Dispatch
    - FHP District
- Ground Breaking Late September 2006
- Completion Scheduled January 2008



## Freeway Management Systems Conceptual Perspectives RTMC



## 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, Possibly Other Areas
- SWFL ATIS Schedule
  - ITN Advertisement - February 1, 2006
  - ITN Proposals Due - March 6, 2006
  - Short List – March 20, 2006
  - Oral Technical Presentations, April 10, 2006
  - Posted Ranking of Vendors, April 18, 2006
  - Start Negotiations with 1<sup>st</sup> Ranked Vendor, May 1, 2006



## Advanced Traveler Information Systems



- SWFL ATIS Additional Phases
- C.O. - Develop Data Fusion Function and Web Page
- D5 - Modifications to IVR of Statewide System
- D7 - Expansion of Tampa Bay 511 to Include New Roadways in Polk, Manatee, and Sarasota Counties



## Advanced Traffic Management Systems



- City of Lakeland (Construction) DB
  - FPN: 197620-1
  - TransCore/Miller
  - Design Build Project is 99% Complete
  - 170 Intersections
    - 2070 Controllers in Type 332 or 336 Cabinets
    - 44 CCTV Cameras
    - Ethernet Communication Devices
    - Updated Control Center
- Fiber Installation – Public/Public Partnership
  - LAP Agreement with Lakeland Electric (LE)
  - LE will Maintain Fiber



## Advanced Traffic Management Systems



- Charlotte County (Construction) DB
  - FPN: 193824-1, 418601
  - Highway Safety Devices/F.R. Aleman
- 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
- Project Rebuilding and Expanding System Damaged by Hurricane Charlie



## Advanced Traffic Management Systems



- Manatee County (Design) FPN: 415227-1
  - Finalizing DB Requirements Package
    - Approximately 141 Intersections, NEMA TS2 Controllers and Cabinets
    - 40 CCTV Cameras
    - Fiber Optic Cable/Ethernet Communications
    - Video Wall and Control Room Equipment
- Manatee/Sarasota/FDOT 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 TMC
  - 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
  - System Alternatives Being Evaluated
  - System Requirements Being Defined

City Design Build Criteria Package on Hold  
(Construction Funding Moved Out)



## Incident Management



- District One Has Two TIM Teams
- Collier-Lee
- Charlotte-Sarasota-Manatee
  - Local Open Roads Policy
    - Endorsed by FDOT Secretary Cann, D1 and FHP Major Tharpe, Troop F. Other Agencies Endorsing
  - TIM Team Times Newsletter
    - Six Editions to Date, Information on TIM Team News and Activities



## Incident Management



- Collier-Lee TIM Team Highlights
  - Funding for 14 Dedicated Troopers on I-75 along Alligator Alley
    - Tolls Raised on Feb. 5, 2006, from \$1.50 to \$2.00 for SunPass Users and \$2.50 for Cash Users for Automobiles
    - DHSMV has Budget Issue to Fund Troopers starting July 1, 2006, Legislature Must Approve This Session
    - FHP Must Hire and Train New Troopers
  - Accident Investigation Sites (AIS)
    - Approved in Concept by FHWA
    - Construction Plans Being Revised to Add to Golden Gate and Alico Road Interchange Projects
    - Considering Adding Sites for Other Upcoming I-75 Capacity Improvement Projects



## Incident Management



- Charlotte–Sarasota–Manatee TIM Team Highlights
  - Sunshine Skyway Bridge Closure Signs
    - Raised Awareness and Coordinated Efforts of FHP, FDOT, and Manatee County to Automate the Flashers on Warning Signs on South Side of Bridge



## Future ITS Projects



- Polk County I-4 FMS
    - New Project – SIS Growth Management Funds
    - Limits US 27 to Polk/Osceola CL
- District Five to Manage Project (Expansion of Orlando FMS)
- FPN: 4206531 Design FY 06/07
- FPN: 4206532 Construction FY 07/08



## Future ITS Projects



- Sarasota County ATMS Construction
  - New Project – Transportation Regional Incentive Program (TRIP) Growth Management Funds
  - FPN: TBD, Fiscal Year 06/07
  - Upgrade Existing Signal System
  - Sarasota County to Manage Project Using Systems Manager Approach



## Future ITS Projects



- Charlotte County I-75 FMS Design
  - FPN 414738-2, Fiscal Year 07/08
- Charlotte County I-75 FMS Construction
  - FPN 414738-1, Fiscal Year 08/09
- ITS Operations Contract
  - FPN 417733-1, Fiscal Year 06/07
- ITS Maintenance Contract
  - FPN 419713-1, Fiscal Year 07/08
- ITS Fiber Locate Contract
  - FPN 419714-1, Fiscal Year 07/08



## Future ITS Projects



- Manatee County ATMS Construction
  - FPN 416119-1, Fiscal Year 07/08
  - Manatee County May Advance Funds and Construct the System in FY 06/07
- Winter Haven ATMS Construction
  - FPN 408043-2, Moved from Fiscal Year 07/08 to Fiscal Year 2010/2011



## Future ITS Projects



- Lee County Incident Management System (IMS) for Bridges Construction
  - FPN 405462-4, Moved from Fiscal Year 07/08 to Fiscal Year 2009/2010
- Lee County ITS Master Plan and ATMS Design Build Criteria Package
  - FPN 412636-1, Moved from Fiscal Year 07/08 to Fiscal Year 2009/2010

## Questions?



Chris Birosak  
FDOT District 1  
(863) 519-2507  
[chris.birosak@dot.state.fl.us](mailto:chris.birosak@dot.state.fl.us)

