

Using GIS Information for Tracking Transit Assets 11/17/09



Agenda

- What is a Transit Agency asset
- Why do Transit Agencies need to track assets
- What is a good method for tracking assets
- Benefits to Asset Tracking
- AVL and GIS information
- PSTA's Technology Asset initiatives
- Questions



What is a Transit Agency Asset

- FTA Definition of an asset
- Pinellas Suncoast Transit Agency's definition
- Basic understanding of an asset
- ADA compliance



Why do Transit Agencies track assets

- Asset location
- Asset value
- Asset life cycle
- Types of assets
- Maintaining certain assets examples:
 - MDTs
- Maximize current technology and assets



What is a good method for tracking assets

- Bar code Scanners
- Software systems
- CAD/AVL system using GIS information
 - Vehicle tracking
 - Amenities tracking
 - Passenger tracking
 - Fare tracking



Benefits to Asset Tracking

- Improves customer perception of transit operations
- Empowers the riders to make ride decisions
- Provides passengers with information on services and service interruptions



AVL and GIS information

- Fleet Management
- Accessibility requirements
- Real Time Bus Information
 - Tracking problems
 - Equipment monitoring
- Transit Agency Google Transit
- Passenger fare monitoring
- Safety and security



PSTA's AVL Project Timeline

- Original AVL project was started in 1999
 - Aged equipment
 - Continual maintenance
- Phase 1 Rollout of Real Time Bus Information
 - In-house created software
 - Deployment of message display boards
 - Upgraded scheduling software
- Phase 2 Enhancements under ARRA funds
 - Add other technology initiatives
 - Estimated cost is \$5.4M
 - Hired a project dedicated Project Manager



PSTA's Technology Asset Initiatives

- Update the current AVL/CAD system
- Automatic Passenger Counters (APCs)
- CCTV – inside and outside the buses
- Automated Bus Stop Announcements
- Fare media improvements
 - Shared fare media (TBARTA)
- Transit Signal Priority – Future BRT Applications



Discussion and Questions

- Questions
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