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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