



FEDERAL TRANSIT ADMINISTRATION

**Proposed Asset Inventory Module
to the National Transit Database
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Management San Diego, California



U.S. Department of Transportation
Federal Transit Administration

Project Objectives

Enhance FTA's ability to estimate and update national transit capital needs

Address Congressional guidance

Encourage transit agencies to develop an asset inventory and begin asset management processes

Guiding Principles in ACM Design

- Support overall project objectives
- Accommodate agency self-reporting
 - Excel-based reporting for upload and download
 - built-in validation to reduce analyst validation
- Consistent with “look and feel” of NTD
- Minimize transit agency reporting burden
 - Keep level of detail at a high level
 - Focus on objective rather than subjective data points
 - Collect only what you really need

Agency Burden

Data from 2002 ACM pilot required 2-4 person-weeks to assemble and report data

Range of burden depends upon existing transit agency data

Less burden expected for annual updates

Burden estimates will be refined through the pre-pilots

Overview of Proposed Asset Inventory Module

- Major fixed assets (Maintenance, Administrative and Passenger Facilities)
- Linear assets (Power, Signal, Communications, Rail, Track and Bus Fixed Guideway)
- Other fixed assets (Equipment and Revenue Vehicles)



What Do We Want to Know About Assets?

What kind of asset is it?

Year built

Useful life

Replacement cost

Agency capital responsibility for the asset

Data in the Details

- What level is the asset vs. the components?
- Testing concept of asset profiles
 - Establish categories
 - (e.g. elevated stations, at-grade platform stations, etc.)
 - Default values for each category
 - the useful life and
 - percent cost for the component details
(e.g. the roof, heating system, plumbing, etc.)
 - Allow voluntarily input of your own values

Expected Data Challenges

- Data availability
- Magnitude of data reporting
- Absence of standards in asset definitions
 - What is a structure?
 - Shared facilities
- Complexity of linear assets
- Information on replacement cost and useful life

Pre-pilot Transit Agencies

- Heavy Rail: MARTA, WMATA, LA Metro
- “New” new light rail: UTA
- “Old” new light rail: St. Louis Metrolink
- Old light rail: Port Authority of Allegheny County
- New commuter rail: Tri-Rail (South Florida RTA)



Questions (and Answers?) from the Pre-Pilots

- Were you able to complete the reports?
- How long did it take you to assemble the data?
- What data did you just not have?
- Is there anything that we are missing?



Project Schedule

Finalize Draft
AIM

- Pre-pilot (early '12)

Federal
Register

- Notification of proposal and burden estimate (Summer '12)
- Public comment and response

Pilot
application

- Rail agencies (Fall '12)
- Integration with NTD for Report Year 2014

Questions?

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