FTA SGR Update

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Washington, DC
Presentation Outline

• The SGR Problem
• Actions Taken by FTA Pre Map-21
• Timeline for Deliverables
• Questions
SGR Initiative

Step 1: Define the Problem
Step 2: Develop Strategy
Step 3: Implement Work Plan
Step 4: Evaluate Results
Defining the SGR Problem

• Two reports were key in FTA defining the SGR problem:
  - 2010 SGR Assessment
  - Transit Asset Management Systems Scan
Defining the SGR Problem

- Present funding levels insufficient to maintain system in SGR
- Inadequate Asset Management Plans
- Insufficient Inventory Systems
- No Collection of Best Practices
- Lack of Technical Assistance & Training
SGR Strategy

• Conduct Additional Research
• Provide Technical Assistance
• Explore Funding Possibilities
• Lead Industry Outreach
Additional Research Projects

• Asset Management Framework
  ✓ Research and develop TAM framework including a guidance document that will describe essential elements of transit asset management and how they could be implemented.

• Inventory Development & Integration
  ✓ Research how hierarchical structures can be designed to combine detailed asset data and how maintenance and life-cycle information can be used to infer the conditions of these assets.
Research & Pilot Projects...
Asset Management Framework

Strategic Planning → Policy

Performance Objectives

Asset Mgt Strategy

Planning & Programming
Business Planning
SGR Modeling

Asset Inventory
Asset Lifecycle Management
Condition Assessment & Monitoring

Enterprise-Level Asset Management
Asset-Level Asset Management
### Metrolink Structure Directory

<table>
<thead>
<tr>
<th>Group</th>
<th></th>
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<tbody>
<tr>
<td>Mile Post</td>
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<tr>
<td>Name</td>
<td>Eads Bridge &amp; Piers</td>
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<tr>
<td>Maps</td>
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### Structure Files
- [1990 Existing Plans](#)
- [2002 Repair Plans (As-Built)](#)
- Maintenance/Repair History
- Photographs

### Evaluation Reports
- [2010 Inspection Report/Database](#)
- [2009 Inspection Report](#)
- [2008 Inspection Report/Database](#)
- [2007 Inspection Report/Database](#)
- [2006 Inspection Report/Database](#)
- [2005 Inspection Report/Database](#)
- [1999 Inspection Report](#)

### Structure Specific Files
Technical Assistance

• TAM Pilots

✓ Demonstrate innovative approaches to transit systems planning that incorporate the long-term costs of maintaining the system in a SGR into the planning process

✓ Provide an asset inventory database (register) with sufficient capacity and functionality to track all categories of transportation capital assets
Technical Assistance

• TAM Pilots

✓ Demonstrate proven asset management methods taking into account other industry practices that can be effectively applied in the transportation industry

✓ Provide methodologies to better prioritize reinvestment needs

✓ Approaches to simplify collecting asset condition data (for example, use of dedicated personal digital assistants (PDA’s) while walking track or inspecting roadside equipment and furniture)
### Technical Assistance...
#### TAM Pilot Projects

<table>
<thead>
<tr>
<th>TAM Pilot Project Award Recipient</th>
<th>Allocation</th>
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<tbody>
<tr>
<td>Peninsula Corridor Joint Powers Board (CALTRAIN)</td>
<td>$750,000</td>
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<tr>
<td>Utah Transit Authority (UTA)</td>
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<tr>
<td>Regional Transportation Authority (Chicago)</td>
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<td>Massachusetts Bay Transportation Authority</td>
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<td>Virginia Department of Rail and Public Transportation</td>
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<td>Valley Regional Transit (Meridian, Idaho)</td>
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Technical Assistance...
TAM Pilot Projects

• Major Deliverables

✓ Innovative and/or improved asset management methods developed as part of this pilot program

✓ Asset management tools that will promote better management of safety-related public transportation capital assets

✓ Asset management tools and practices that can be implemented at other agencies of varying sizes and modal composition

✓ 40 hours of technical assistance in the form of information exchange forums such as webinars, meetings, teleconferences, or workshops
Technical Assistance...
TERM Lite

• TERM Lite Pilot
  ✓ Provide transit agencies with a tool to evaluate long-term reinvestment needs that is compatible with FTA national estimates and uses the same format for asset inventory data.

• Major Deliverables
  ✓ TERM-Lite Capital Investment Planning tool (available on the FTA website)
Technical Assistance...
NTD Reporting

• NTD Data Collection Module
  ✓ Collect more reliable asset inventory data from the industry on an annual basis to support needs assessment and performance metrics.

• Major Deliverables
  ✓ An industry tested and vetted spreadsheet tool for reporting asset inventory data to the NTD
Technical Assistance...
SGR Climate Adaptation Pilots

• SGR Climate Adaptation Pilots

✓ FTA is funding 7 pilot projects to assess vulnerabilities of public transportation systems to climate change impacts such as heat waves and flooding.

✓ 2 of the pilot projects have an emphasis on determining how TAM systems can be used to support strategic investment decision-making to respond to climate change impacts.
### Timeline for Completion

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
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<tr>
<td>AM Framework &amp; Inventory Development &amp; Integration</td>
<td>July/August 2012</td>
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<td>TERM Lite Pilot</td>
<td>Sept/Oct 2012</td>
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<tr>
<td>TAM Pilots</td>
<td>March/April 2013</td>
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<tr>
<td>Climate Adaptation Pilots</td>
<td>May 2013</td>
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<tr>
<td>NTD Data Collection</td>
<td>October 2014</td>
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<tr>
<td>NTI Introduction to Asset Management Course</td>
<td>Ongoing</td>
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<td>SGR Roundtables</td>
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# Questions/FTA Contacts

<table>
<thead>
<tr>
<th>Category</th>
<th>Contact Email</th>
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<tr>
<td>Asset Management Research Projects</td>
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