

FTA

FEDERAL TRANSIT ADMINISTRATION

An Overview of the FTA State of Good Repair & Transit Asset Management Initiative April 16th 2012

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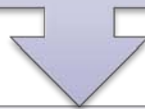
**9th National Conference on Transportation Asset
Management San Diego, California**



U.S. Department of Transportation
Federal Transit Administration

Topics

Background: Key Legislation and Research



On-Going Activities



Why Transit Asset Management (TAM) – “Tangible Results”



Future Initiatives

Key SGR/TAM Legislation

Conference Report to the DOT-HUD FY10 Appropriations Bill

- FTA to take a leadership role in improving the use of asset management practices among transit agencies;
- Conduct a pilot program designed to identify the best practices of asset management
- Improve FTA's ability to collect data relevant to asset management
- Enhance Communication and Technical Assistance

Conditions and Performance Legislation (49 U.S.C. 308(e))

- Report on the “current performance & condition of public mass transportation systems”
- Prepare a “complete assessment of public transportation facilities in the United States... [and] estimate future capital requirements”

Nation's Highways, Bridges, and Transit: Conditions & Performance Status

- Biennial report to Congress required by statute
- Performance data summary
- Asset conditions
- 20-year investment needs
- Impact of funding levels on conditions and performance
- 2010 edition now on-line, www.fhwa.dot.gov/policy/2010cpr/index.htm



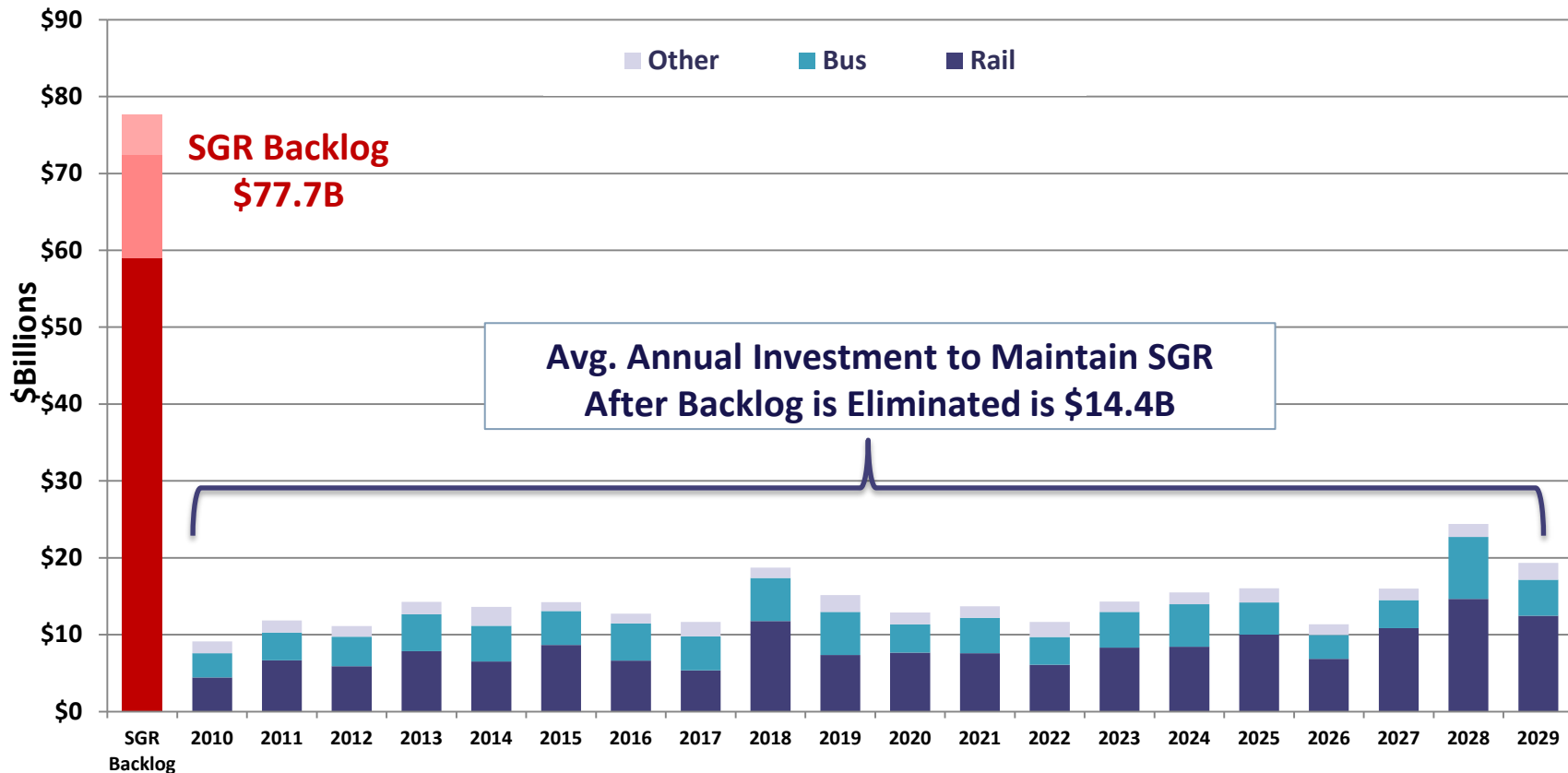
FTA SGR and AM Studies, Outreach and Industry Engagement

- CEO Panel on State of Good Repair (SGR) at APTA Annual Conference – October 2008
- “Transit State of Good Repair: Beginning the Dialogue” – Report issued October 2008
- Rail Modernization Study – April 2009
- Transit Asset Management Scan – January 2010
- National Assessment – July 2010

State of Good Repair Roundtables:

- FTA SGR Roundtable - July 2009 Washington DC.
- FTA SGR Roundtable - July 2010 Chicago IL.
- FTA SGR Roundtable - July 2011 Atlanta GA.

National Transit Capital Reinvestment Needs Forecast



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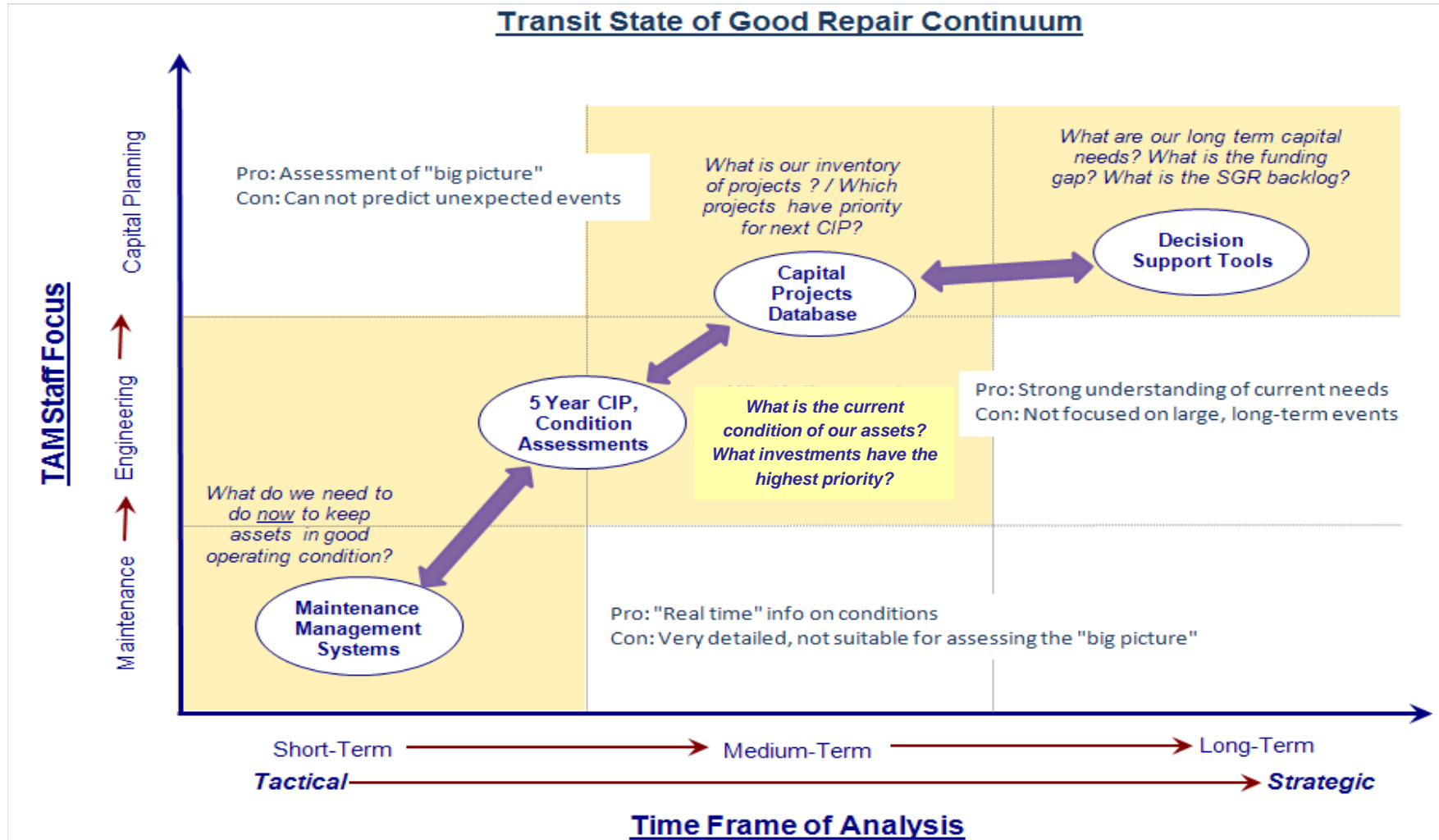


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SGR Backlog Ratios

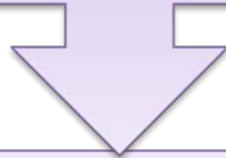
National SGR Assessment	5.4 years
Rail Only	7.2 years
Non-Rail Only	3.0 years
“Big 7” Rail Mod Study Agencies	8.5 years
Rail Only	9.4 years
Non-Rail Only	3.6 years
National Assessment, excluding Big 7	3.3 years
Rail Only	3.9 years
Non-Rail Only	2.9 years

SGR and Functional Discipline Relationship

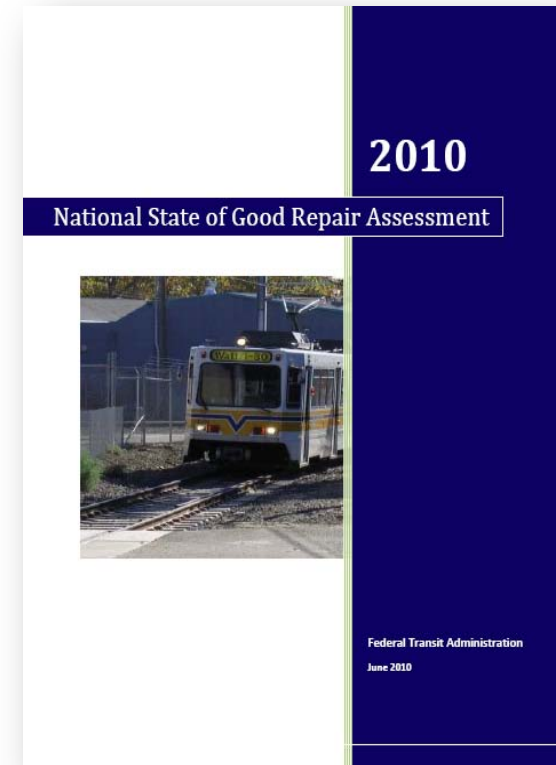


Asset Management Findings from Reports, Industry Outreach and Engagement:

TAM Practices are less than Optimal




Enhanced TAM Techniques & Practices can assist agencies in Achieving and Maintaining their Systems in a SGR



TAM - A Strategic Focus at FTA

Emphasizing:

Enhance (TAM) techniques, data collection and analysis



Increase the number of transit agencies that invest in TAM



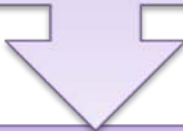
Assist transit agencies in developing asset management programs, strategies and solutions



Enhance Communication and Technical Assistance

FTA Funding Strategies to Assist the Transit Industry in Developing TAMS:

2010: FTA SGR Bus and Bus Facilities Discretionary \$776M TAMS Became Eligible for Funding (17 Agencies Received Grants Totaling \$36M in TAM Funding)



2011: FTA SGR Bus and Bus Facilities Discretionary Grants Program \$750M funding 14 Agencies Received \$12M in TAM Funding



2012: FTA SGR Bus and Bus Facilities Discretionary Grants Program \$650M Available TAMS are eligible for funding

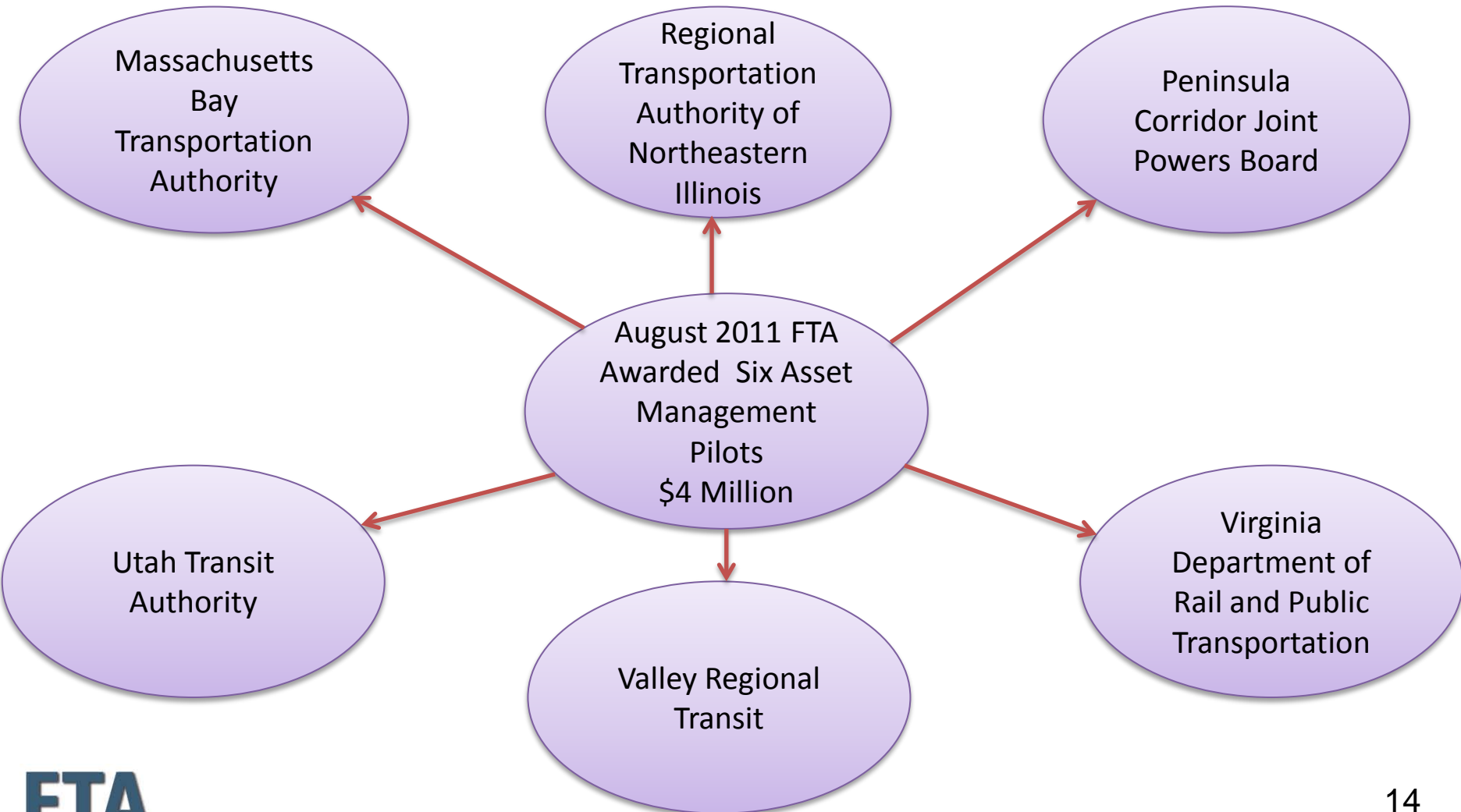
What is TERM “Lite”?

- Local Version of TERM
 - Designed for local SGR needs analysis
 - MS Access based
 - Free through FTA website



TERM vs. TERM Lite		
Capability	TERM	TERM-Lite
Level of Analysis	National	Local / Regional
Intended User Group	FTA	Local operators
Life Cycle Driver	Condition	Age
Prioritization	Benefit-cost analysis	User defined criteria
Output Format	Access	Excel
Output (current and forecast)	<ul style="list-style-type: none"> ▶ SGR backlog ▶ Asset conditions ▶ 20-yr reinvestment needs 	

Per SGR/TAM Legislation FTA Awards Pilot Projects to Enhance Asset Management Practices



FTA Research Projects to Enhance Asset Management Practices

FTA Research and Technical Assistance Development of Transit Asset Management Guidelines and Training \$700,000 Project Completion Summer 2012

Asset Condition Assessment Research \$700,000 (Including how transit agencies can consolidate data in their maintenance management systems to inform condition reporting in asset inventories for capital asset management) Project Completion Summer 2012

Additional AM and SGR Initiatives:

NTI Asset Management Training Classes Commenced August 2010 eight classes completed to-date

FTA Asset Inventory Module (Enhancement to NTD)

Climate Adaptation Pilots January 2012-January 2013

FTA Sponsored SGR Industry Roundtables

Tangible Results/Desired Outcomes

Optimize Decision Making for Asset Maintenance, Rehabilitation and Replacement

Measure the Effectiveness of Maintenance Programs

Increased Credibility for Funding of Capital Projects

Measure Asset Condition and the Impact of Deferring Maintenance

Link Performance Measures and Investment Decisions

Reduce Operating and Maintenance Costs (Minimize Reactive Maintenance)

Develop Asset Life Cycle Costs

Improve System Reliability

Reduce SGR Backlog

Future AM and SGR Initiatives

Organize and Convene 4th SGR Roundtable

Independent Review of TERM Methodology by the Transportation Research Board (TRB) Commenced September 2011 completion EOY 2012

Disseminate Lessons Learned and Best practices from the TAM Pilot Projects and Grants

Questions?

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