Asset Management and MAP-21



January 11, 2013 Statewide Transportation Advisory Committee Debra Perkins-Smith Division of Transportation Development

Today's Presentation

- MAP-21 Goals/Measures and Asset Management
- Policy Directive (PD) 14 and Asset Management

MAP-21 and Asset Management





National Goals/Measures

MAP-21 National Goal Areas	Safety	Infrastructure Condition	Congestion Reduction	Freight Movement and Economic Vitality	System Reliability	Environment Sustainability	Reduced Project Delivery Delays
MAP-21 Perform. Measures	 Serious injuries per VMT Fatalities per VMT Number of serious injuries Number of fatalities 	 Pavement condition of the Interstate system Pavement condition of the NHS (excluding Interstates) Bridge condition on the NHS Transit State of Good Repair 	Traffic congestion	• Freight movement on the Interstate system	 Performance of Interstate system Performance of the NHS (excluding Interstate system) 	 On-road mobile source emissions 	None

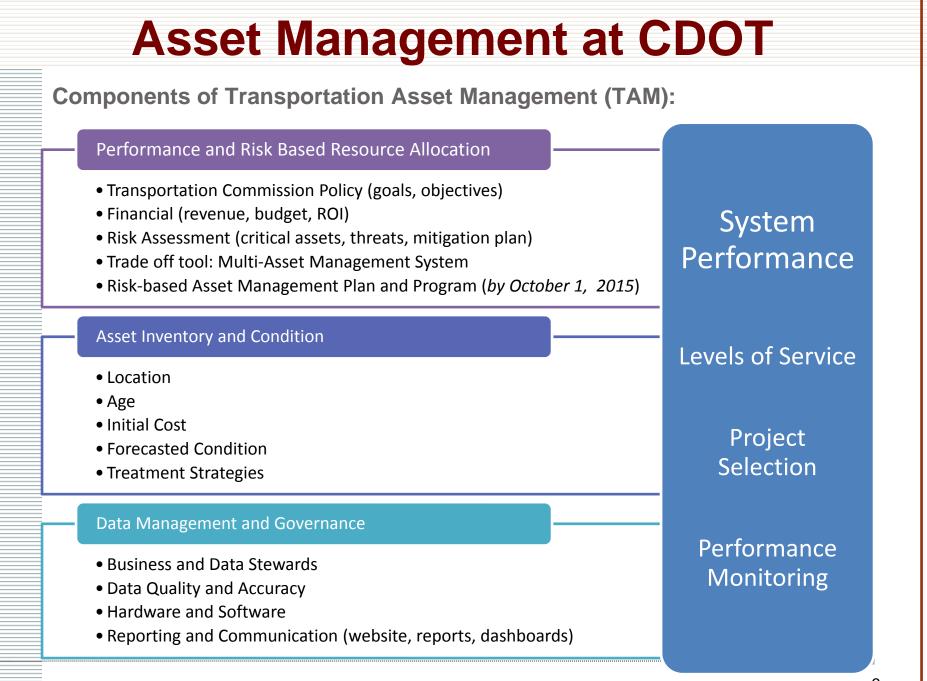
Asset Management in MAP-21

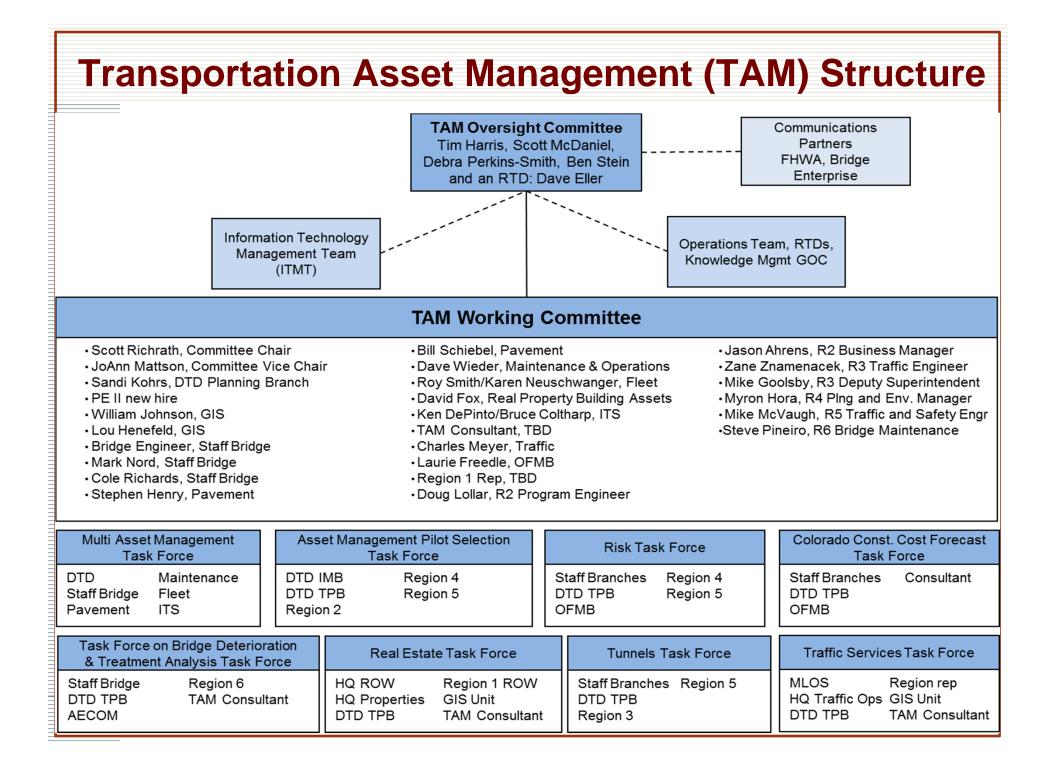
Risk-based Asset Management Plan:

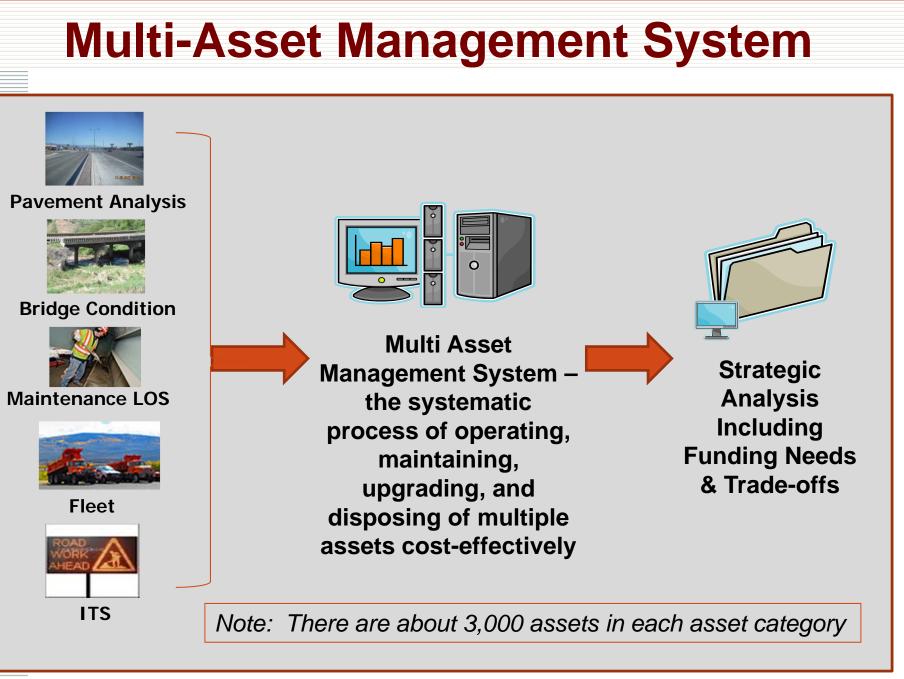
- As part of the National Highway Performance Program, states are required to develop "risk-based asset management plans" for the National Highway System. The purpose of the plan is to improve or preserve the condition of the assets and the performance of the highway system. The plan must, at a minimum, include:
 - a summary listing of the pavement and bridge assets on the National Highway System within the state, including a description of the condition of those assets;
 - asset management objectives and measures;
 - performance gap identification;
 - lifecycle cost and risk management analysis;
 - a financial plan; and
 - investment strategies.

If a state fails to develop and implement a state asset management plan, that state's federal transportation funding will be reduced by 35 percent.









Policy Directive 14





Purpose of PD 14

- Provide framework for transportation planning
 - Reflect optimization of system by balancing:
 - Preservation
 - Efficient operations and management practices
 - Capacity improvements
- Guide allocation of resources to achieve goals and objectives:
 - Statewide Plan
 - > STIP
 - > Annual budget
- Provide structure for performance reporting



Asset Management Goals in PD 14

GOALS

Pavement

Achieve 60% good/fair pavement condition system-wide

Bridge

 Achieve 95% good/fair bridge deck area condition system-side

Maintenance

Achieve a B maintenance level of service grade

ACTUAL

Pavement

 Achieved 48% good/fair pavement condition on 9,146 lane miles

Bridge

 Achieved 96.4% good/fair deck area in FY 2012 on 3,447 bridges

Maintenance

 Achieved a B- level of service grade for nine program areas



January Joint SWP-Asset Management Committee Meeting

- Obtain initial input on PD 14:
 - Purpose
 - Goal areas
 - Performance measures for infrastructure condition:
 - Pavement
 - Bridge
 - Maintenance



February STAC

- Report-out from Joint Committee meeting in January
- A discussion on condition projections for:
 - Bridge
 - Highway
 - Maintenance

