



MAP-21 MPO and Local Agencies

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City and County of Denver

2013 RMWPPP Annual Meeting
Anchorage, AK

Agenda

- **Performance Goals**
- **Asset Management**
- **Buy America Provision**
- **Timing**

Moving Ahead for Progress in the 21st Century

- Signed into law July 6, 2012
- Refines previous transportation legislation

Performance Goals

- **Safety-** Reduce fatalities and serious injuries
- **Infrastructure Condition-** State of good repair
- **Congestion Reduction-** Significant reduction across NHS
- **Reliability-** Improve efficiency of network
- **Freight-** Strengthen network including access from rural areas
- **Environmental Stability-** Protect and enhance the environment
- **Project Delivery-** Simplify and reduce delays

- **Pavement Condition**
- **Network Performance**
- **Bridge Condition**
- **Fatalities/Serious Injury analysis**
- **Congestion**
- **Emissions**
- **Freight Movement**

Asset Management

Strategic and systematic process to operate, maintain, and improve assets using engineering and economic analysis.

Quality data used to sequence, schedule and prioritize maintenance.

- Preservation
- Repair
- Rehabilitation
- Replacement

Asset Management

- **Quality Data**

- Accurate
- Repeatable
- Tells the story

- **Data Types**

- AADT
- History
- Distresses
- IRI

Asset Management

Risk based analysis mandated for pavements and bridges but other assets can be included.

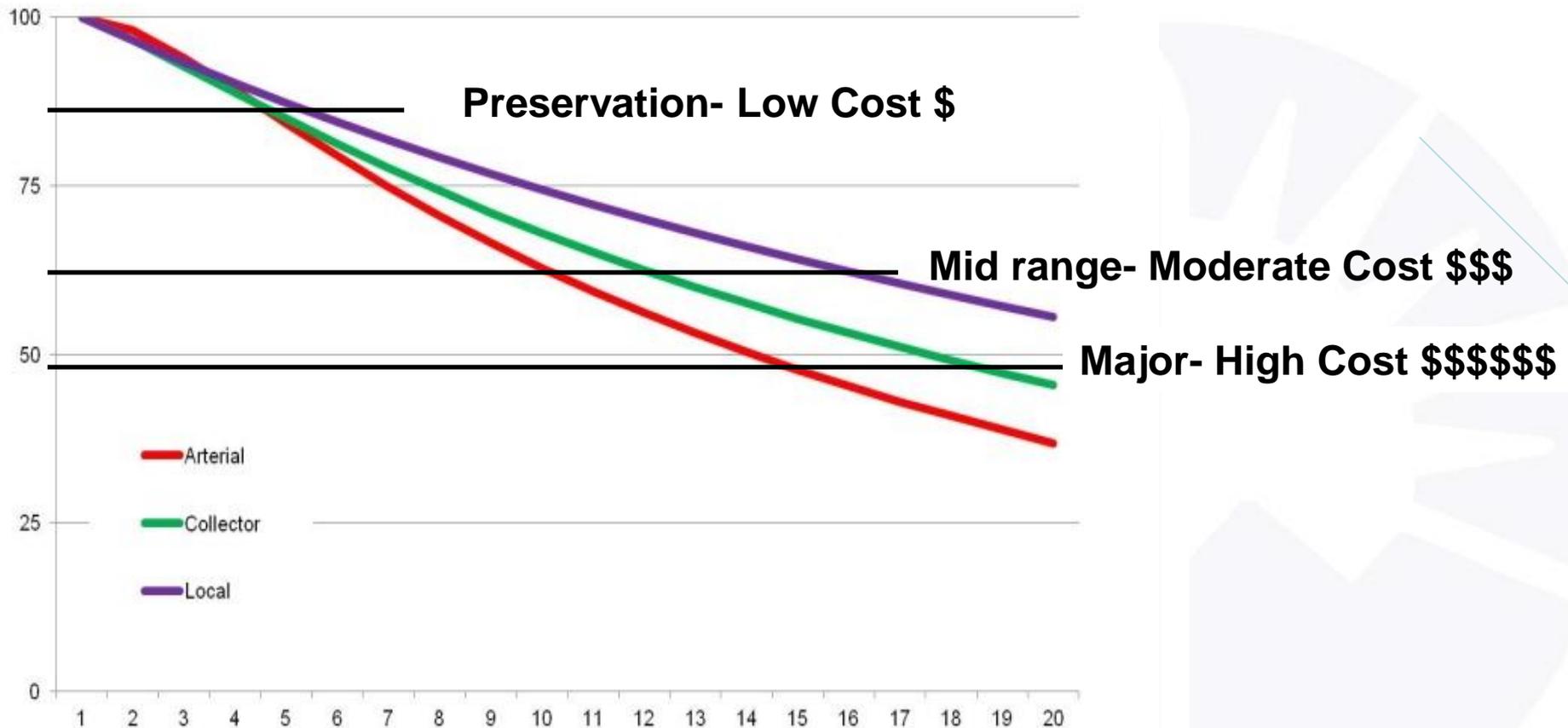
Plan must include the following;

- **Description and condition**
- **Plan objectives**
- **Identify performance gaps**
- **Life cycle cost**
- **Financial plan**
- **Investment strategies**

Simple Risk Analysis

Probability of Failure	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
		1	2	3	4	5
		Consequences of Failure				

Economic Risk Analysis



Asset Management

What if you don't have an Asset Management Plan?

**Federal match on projects drops from
80% to 65%.**

Buy America

MAP-21 Amends 23 U.S.C. 313 requiring the application of the Buy America statute to *all* eligible contracts *regardless of funding source*.

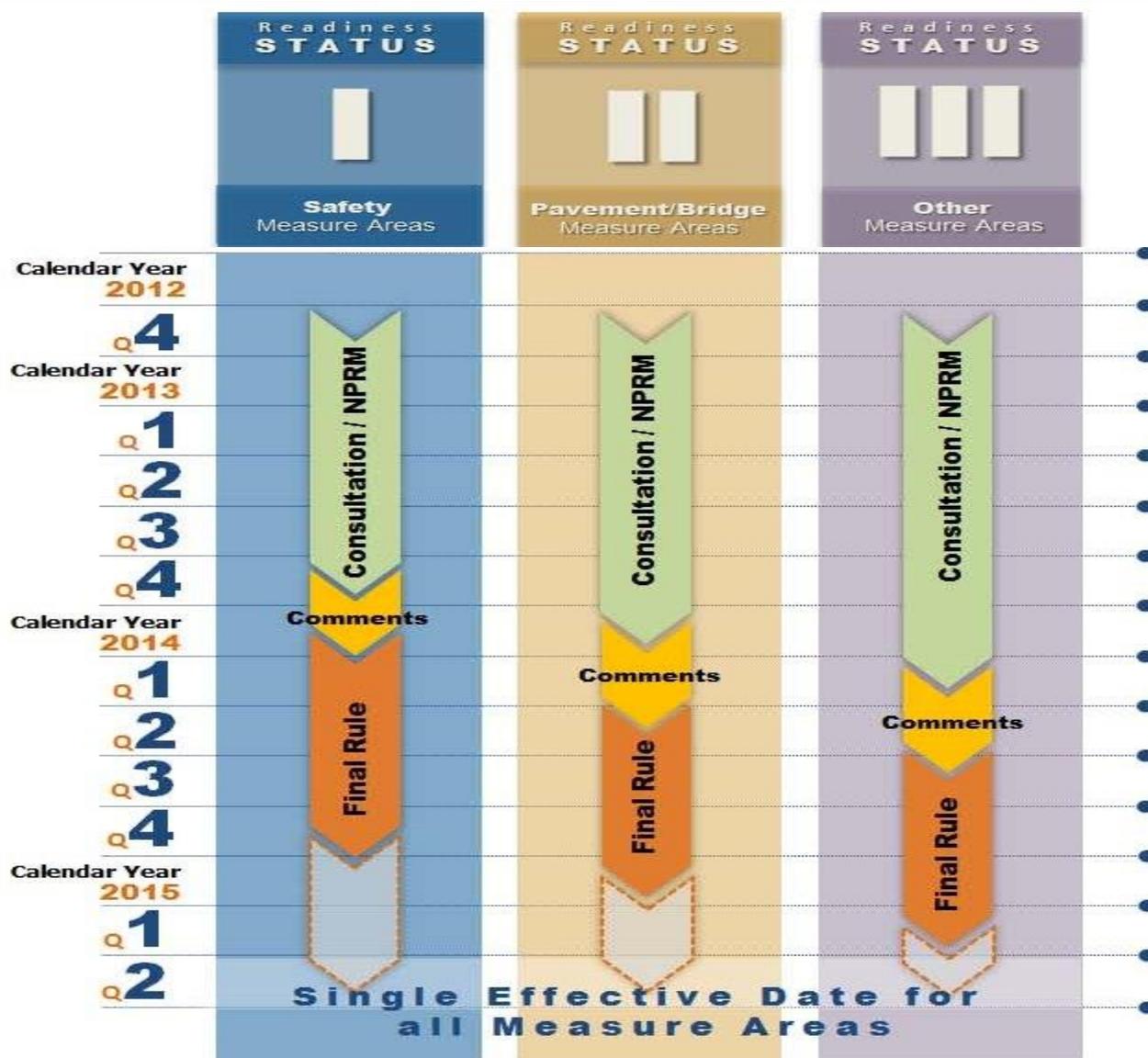
All ancillary contracts for a project must follow the Buy America clause.

Buy America

- **Design**
- **Utility Relocation**
- **Ancillary improvements**

- **Exemption for contracts executed prior to Oct 1, 2012.**

Timing



- **States set targets to meet Performance Measures within one year of rule making**
- **MPOs/Locals set targets in coordination with state within 180 days of state targets**

Questions?

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Denver Street Maintenance

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