Asset Management Planning at the Regional Level

Lessons Learned in Cleveland

presented to

AMPO Scenario Planning 2 Session Attendees

presented by

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Transportation leadership you can trust.
The Driveway Experience

Typical Residential Driveway
Northeast Ohio
Where Asset Management Goes From Helpful to Critical

**Typical Residential Driveway**
- About 0.01 lane-miles
- Serves one lot
- Provides service to a family of 4
- May include drainage

**Northeast Ohio**
- 3,284 miles of federal aid roadway
- Serves 855,000+ homes
- Provides service to a family of 2.1 Million
- Includes 3,000 bridges and bikeways, sidewalks, transit, etc.

**HELPFUL**
- Objectives
- Inventory and condition
- Ideal condition
- Life cycle costs
- Risks
- Budget
- Work strategies

**CRITICAL**
- Encouraged by MAP-21
Typical TAMP Content

- Asset Inventory & Conditions
- Asset Management Objectives & Measures
- Performance Gap Assessment
- Lifecycle Cost (or Whole Life) Considerations
- Risk Management Analysis
- Financial Plan (or Summary)
- Investment Strategies
- Asset Management Process Enhancements
The Landscape for Regional Asset Management

MPOs typically...

- Don’t own or operate infrastructure
- Serve as a regional policy leader
- Help set regional priorities and policies
- Lead regional long range planning
- Have a stake in regional data resources
- Are leaders in performance management and target setting
- Play a major role in federal fund allocation
NOACA Transportation Asset Management Program Development

- NOACA has made strides in AM, looking for long range strategy

- Project funded under FHWA Accelerated Innovation Deployment (AID) Grant

- First MPO-level TAMP meeting MAP-21 State DOT requirements (that we’re aware of)

- Includes purchase and implementation of Pavement Management System

- Heavy focus on collaboration
When Developing a Regional TAM Program…

**Six Key Takeaways from Cleveland**

- Choose the flavor of TAMP best suited to your region
- Collaborate with regional stakeholders to identify ways to “move the needle” *(and spend your time on what you can control)*
- Identify and empower a project champion
- Use the opportunity to upgrade your AM tools and capabilities
- Take advantage of the opportunities that present themselves *(pre-planning goes a long way)*
- Show the value, not just the cost
Choose the right flavor

There are good examples of MPO AM efforts that prioritize:

- Identifying preservation needs
- Promoting preservation as a regional priority
- Establishing performance targets
- Lead regional data collection and sharing
- Developing asset management policies

Some key decision factors:

- Relationship to Long Range Plan
- Needs of MPO members
- Nature of challenges facing region
Collaborate to “move the needle”

- Asset Inventory
  - What assets are most important for the region?
  - Who is responsible for which assets?

- Risk register
  - What are the risks facing the region?
  - Which risks can the MPO address?

- Financial plan / Investment strategies
  - Where can MPO funding make a difference?

- AM Process Enhancements
  - What resources can the MPO provide to support members?
Identify and empower a project champion

Someone who can:

- Harness the resources of the MPO
  - Research
  - Policy development
  - Finances
  - Planning efforts
  - Outreach
  - Political capital
  - Organizational relationships

- Drive stakeholder engagement, both internal and external

- Identify high-level opportunities

- Implement the strategies
Upgrade your capabilities and tools
Take advantage of opportunities

- FHWA AID Grant
- Synchronicity with ODOT TAMP
- Provisional Asset Management Policy
Show the value

NOACA Region as an Economic Hub

- Greatest GDP among Ohio metro areas
  - $123 Billion in 2013
  - Approx 21% of Ohio’s total GDP

- Headquarters of 25 Fortune 1000 companies

- Thriving healthcare sector
  - Cleveland Health-Tech Corridor
  - More than 700 biotechnology and biomedical companies
  - Global Center for Health Innovation to open

- Strong location, within 500 miles of
  - 44% US households
  - 45% US effective buying income
TAMP Sections in Progress

- Asset Inventory & Conditions
- AM Objectives & Measures
- Performance Gap Assessment
- Lifecycle Cost
- Risk Management Analysis
- Financial Plan
- Investment Strategies
- TAM Process Enhancements
TAMP Sections in Progress

NOACA will STRENGTHEN regional cohesion, PRESERVE existing infrastructure, and BUILD a sustainable multimodal transportation system to SUPPORT economic development and ENHANCE quality of life in Northeast Ohio.

Key Sources:  ● NOACA Plans  ● NOACA Staff  ● Stakeholders  ● Best Practices

Strengthen Regional Cohesion

- Objective 1. Establish Transportation Asset Management as a regional priority ●●●
  - Strategy 1A. Maintain a sustainable TAM program ●●●
  - Strategy 1B. Partner with public and business community to advocate for responsible asset stewardship, show links to economic development and quality of life ●

- Objective 2. Serve as a liaison for NOACA members and partners like ODOT and FHWA ●
  - Strategy 2A. Foster agreement on common TAM goals and language ●●
  - Strategy 2B. Ensure consistency and transparency in project selection and funding priorities ●

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Sample (not NOACA region)

**NHS - Pavement Performance - 2040**

- 0%
- 20%
- 40%
- 60%
- 80%
- 100%

$0 $20 $40 $60 $80 $100
Recap of Key Takeaways

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QUESTIONS

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