What is TAM? MAP-21

“(2) ASSET MANAGEMENT.—The term ‘asset management’ means a strategic and systematic process of operating, maintaining, and improving physical assets, with a focus on both engineering and economic analysis based upon quality information, to identify a structured sequence of maintenance, preservation, repair, rehabilitation, and replacement actions that will achieve and sustain a desired state of good repair over the lifecycle of the assets at minimum practicable cost.”
What is TAM?
It focuses on business and engineering practices for resource allocation and utilization, with the objective of better decision making based upon quality information and well defined objectives.

AASHTO Subcommittee on Asset Management
TAM and MAP-21

- Each State is required to develop a risk-based asset management plan (TAMP) for the National Highway System (NHS) to improve or preserve the condition of the assets and the performance of the system.
TAMP Link to Other Plans
TAMP and Risk

Iowa DOT

U.S. 6 near the Cedar River

Essex County (NY 1)

I-40 Tennessee
**TAM Core Questions:**

- What is the current state of my assets?
- What are my required levels of service and performance delivery?
- Which assets are critical to sustained performance delivery?
- What are my best investment strategies for operations, maintenance, replacements, and improvement?
- What is my best long-term funding strategy?
TAM and Data

- Inventory and condition
- Risk assessment
- Cost/revenue
- Performance measures (Targets?)
- Management systems (what-if scenarios)
- Future needs (forecasted deterioration)
- Communication tools (dash board)
TAM vs. Current Practice

- Integrated decision making
- Cross asset optimization
- Linking resource allocation to performance
- Financial planning and investment analysis (ASI)
Asset Sustainability Index (Financial)
Getting it Done!

ACT

Align  Create Structure  Train
Questions