

B. Integrating Maintenance into a Transportation Asset Management Plan (TAMP)

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Comments I've heard:

- What are the definitions for maintenance and preservation, what's the difference?
- The pavement management system is broken.
- We've tried that but had some bad experiences.
- Which preservation treatments work best.
- What is the performance of you preservation/maintenance treatments.
- Is the condition of your system better this year compared to last year.
- Are preservation and maintenance to be addressed in the State's Transportation Asset Management Plan?
- It's about managing your assets (pavements, bridges, other assets)

Integrating Maintenance into a Transportation Asset Management Plan (TAMP)

- Asset management is a strategic and systematic process of operating, maintaining, and improving physical assets, with a focus on 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. (23 U.S.C. 101(a)(2), MAP-21 § 1103)

What requirements does MAP-21 have pertaining to asset management?

- Each State is required to develop a risk-based asset management plan for the National Highway System (NHS) to improve or preserve the condition of the assets and the performance of the system. (23 U.S.C. 119(e)(1), MAP-21 § 1106)
- The systematic preventive maintenance of bridges, and replacement and rehabilitation of deficient bridges, should be undertaken through an overall asset management approach to transportation investment.
- Etc.

Highway Asset Management Plan

- Plan Contents
 - Pavement and bridge inventory and conditions on the NHS,
 - Objectives and measures,
 - Performance gap identification,
 - Lifecycle cost and risk management analysis,
 - A financial plan, and
 - Investment strategies

 - (preservation)

So now the issue is... :

- How do we best integrate maintenance/preservation into the TAMP that's being developed?
- Are my management systems integrated (to enable me to best do this)?
- Considered as the lifecycle cost, risk management, financial plan, and investment strategies are developed.

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- New York's TAMP
Rod Sechrist, New York State DOT
- Louisiana's TAMP
*Vince Latino and Jason Chapman, Louisiana
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- Wyoming's TAMP
Martin Kidner, Wyoming DOT