Vermont’s Transportation Asset Management Plan

July 16, 2018 - 12th Asset Management Conference – San Diego, CA
Quick Facts

• State Developed Plan
  • 27 Member TAMP-WG
• Development Time = 52 months
• Pavements & Bridges only
  • National Highway System (NHS)
  • Non-NHS
27 Member TAMP-WG

- 6 Task Forces
  - AM Business Processes
  - Customer Service Levels
  - TAM Financial Plan
  - Risk Management
  - Data Management
  - Life Cycle Planning
# 27 Member TAMP-WG

Subject Matter Experts / Asset Stewards representing......

<table>
<thead>
<tr>
<th>Pavements</th>
<th>Retaining Walls</th>
<th>Business Processes</th>
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<tbody>
<tr>
<td>Bridges</td>
<td>Public Outreach</td>
<td>Bike / Ped</td>
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<td>Culverts</td>
<td>Maintenance</td>
<td>Safety</td>
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<td>Rail</td>
<td>Fixed Asset Accounting</td>
<td>FHWA</td>
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<td>Transit</td>
<td>Long Range Plan</td>
<td>IT</td>
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<td>Aviation</td>
<td>Strategic Plan</td>
<td>Data Management</td>
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<td>Signals</td>
<td>Performance Mgmt</td>
<td>Budget</td>
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<td>Stormwater</td>
<td>Risk Management</td>
<td>Planning</td>
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<td>Rock Slopes</td>
<td>Fleet Equipment</td>
<td>Capital Program</td>
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3 Deliverables

1. Executive Level Brochure
2. Federal TAMP Submittal
3. Practitioner’s Guide

Different communication levels for different audiences with differing needs.
3 Deliverables

1. Executive Brochure

- Target Audience: Executive Team & General Public
- Easy to read & understand
- Provide Basic Overview of Asset Mgmt
- Make connections to Vermonters
- Keep it relevant, meaningful and useful
3 Deliverables

2. Federal TAMP Submittal

- Target Audience: FHWA
- Goal: Meet Federal Requirements
- Assets: Pavements & Bridges on NHS & non-NHS
- Targeted 40 page limit....Final version 70 pages
3 Deliverables

3. Practitioner’s Guide

Audience: VTrans’ Asset Stewards

Assets: Moving beyond pavements & bridges

Contents: Asset Fact Sheets, Task Force White Papers, Links to TAM Financial Plan
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<thead>
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<th>Component</th>
<th>Activity</th>
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<tr>
<td>Inventory</td>
<td>Deterioration Models</td>
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<td>Data Collection</td>
<td>Treatment Costs</td>
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<td>Asset Condition</td>
<td>Performance Monitoring</td>
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<td>GIS Layers</td>
<td>Budget vs. Performance</td>
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<td>Management System</td>
<td>Risk Registry</td>
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**Practitioner’s Guide: Asset Fact Sheets**
3 Deliverables – Status Update

Executive Brochure; multiple iterations, [100% complete]

Awaiting FHWA comments on Federal TAMP submittal. [95-100%]

Development of TAM Practitioner’s Guide is underway now, schedule to be completed June 2019 [40%].
Challenges

• WG Duration (52 Months] – Waning Focus

• Lack of Awareness / Education – Narrow Focus

• Lack of Change Mgmt Commitment, Tools, Resources

• WIIFM / Unloading of unwanted duties to AMP
Challenges

• Uneven Enterprise Implementation

• Limited AM Staffing / Resources

• Innovation Saturation – Competition for focus.

• Negotiated Roles / Responsibilities
Positive Outcomes

TAMP Development Initiatives

- VTransparency (version 1) – [100%]
- SK1 [100%] under CI
- Major Plan Alignment – [50%]
- Individual Asset Mgmt Plans – [40%]
TAMP Development Initiatives

- AM Calculator – [30%]
- Customer Pavement Expectations (Mobile App) – [85%]
- VPSP2 – Project Prioritization [65%]
- Bridge Management System Development [65%]
Select TAMP Development Initiatives

- VT Asset Management Information System – VAMIS (Statewide) – [25%]
- Risk & Resiliency Planning Tool (App) Initial Phase – [95%]
- Hydraulic inspection Vehicle (HIVE) – [75%]
- “Back to Basics” Maintenance Policy – [60%]
Today’s decisions impact tomorrow’s performance.