

Risk-Based Asset Management Programs can catalyze ERM



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**Vermont DOT
Experience**

Integrating Risk Management in TAM Programs

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Commitment to Asset Management is changing how the Vermont Agency of Transportation conducts its business!



Benefits of AM

- ❑ Asset Sustainability
- ❑ Fiscal Accountability
- ❑ Organizational Alignment
- ❑ Credible Programming



VTrans TAM Policy Statement



VTrans Asset Management

VTrans' Mission, Vision & Goals

Mission: Provide for the safe and efficient movement of people and goods.

Vision: A safe, reliable and multimodal transportation system that promotes Vermont's quality of life and economic wellbeing.

Goals:

1. Provide a safe and resilient transportation system in an environmentally responsible manner.
2. Preserve, maintain and operate the transportation system in the most cost effective and efficient manner.
3. Provide Vermonters energy efficient, travel choices/options.
4. Provide quality customer service.
5. Develop a workforce to meet the strategic needs of the Agency.

Overview & Purpose

Asset Management is an Agency-wide commitment to excellence and applies to all departments and divisions within VTrans; Finance & Administration, Motor Vehicles, Operations, Policy, Planning & Intermodal Development and Program Development.

As of February 2014, VTrans has begun developing a Transportation Asset Management Plan (TAMP) to comply with both State and Federal (MAP-21) legislation. VTrans is developing the TAMP through an intra-Agency work group (TAMP-WG) committed to improving how the Agency conducts its business.

The purpose of this policy statement is to memorialize the commitment of VTrans' executive leadership to;

- support the development and implementation of the TAMP,
- support the TAMP-WG in its quest to develop and implement the TAMP.
- institutionalize asset management processes so it is sustained through future organizational changes in leadership, and
- utilize continuous improvement strategies to optimize asset performance in a cost-effective manner while providing excellent customer service.

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Policy Statement

Who are our Customers?

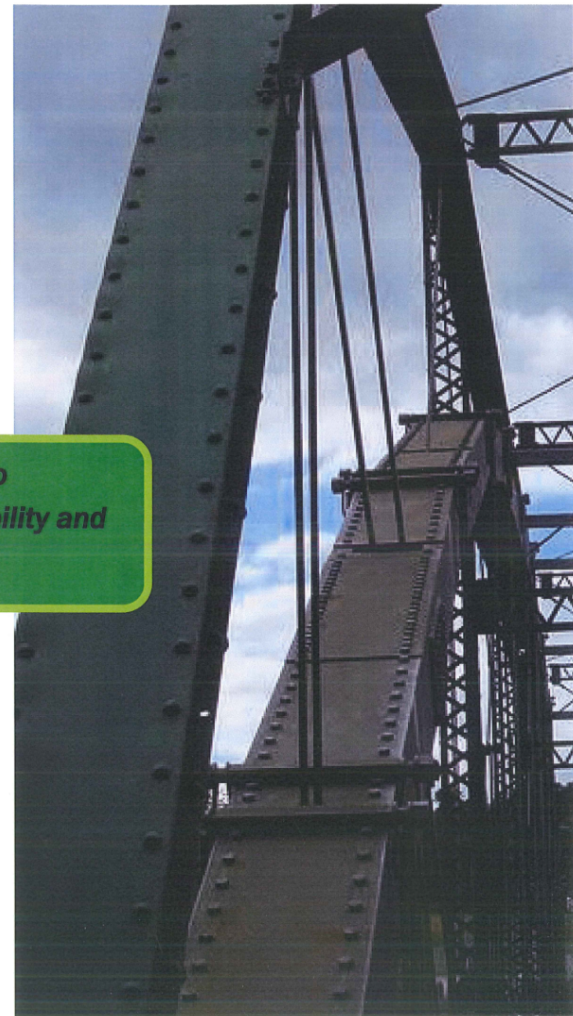
VTrans' customers are our Vermont residents, businesses and visitors who rely on VTrans to manage transportation assets in a cost-effective, efficient and sustainable manner. They depend on us to be good stewards of the resources entrusted to us. As good stewards, we do more than account for our assets, we minimize operating costs while ensuring proper use, maintenance and performance. These actions form the foundation of our commitment to provide quality customer service.

Asset Management is a commitment to sustainability, transparency, accountability and customer service.

Challenges

Transportation infrastructure managers nationwide are facing many challenges, including aging assets and tighter budgets. The complexity is increased due to limited infrastructure information, the need to satisfy multiple stakeholders' expectations and the demand for more sustainable transportation solutions.

VTrans is committed to responding proactively to these needs and is responsible for ensuring that Vermont's transportation system remains in good working order regardless of its age. Therefore, the challenge to manage transportation infrastructure assets has led VTrans to emphasize an asset management policy as a business process that drives quality decisions based on accurate data and analysis. The primary purpose of Asset Management is to use available funding strategically and efficiently.

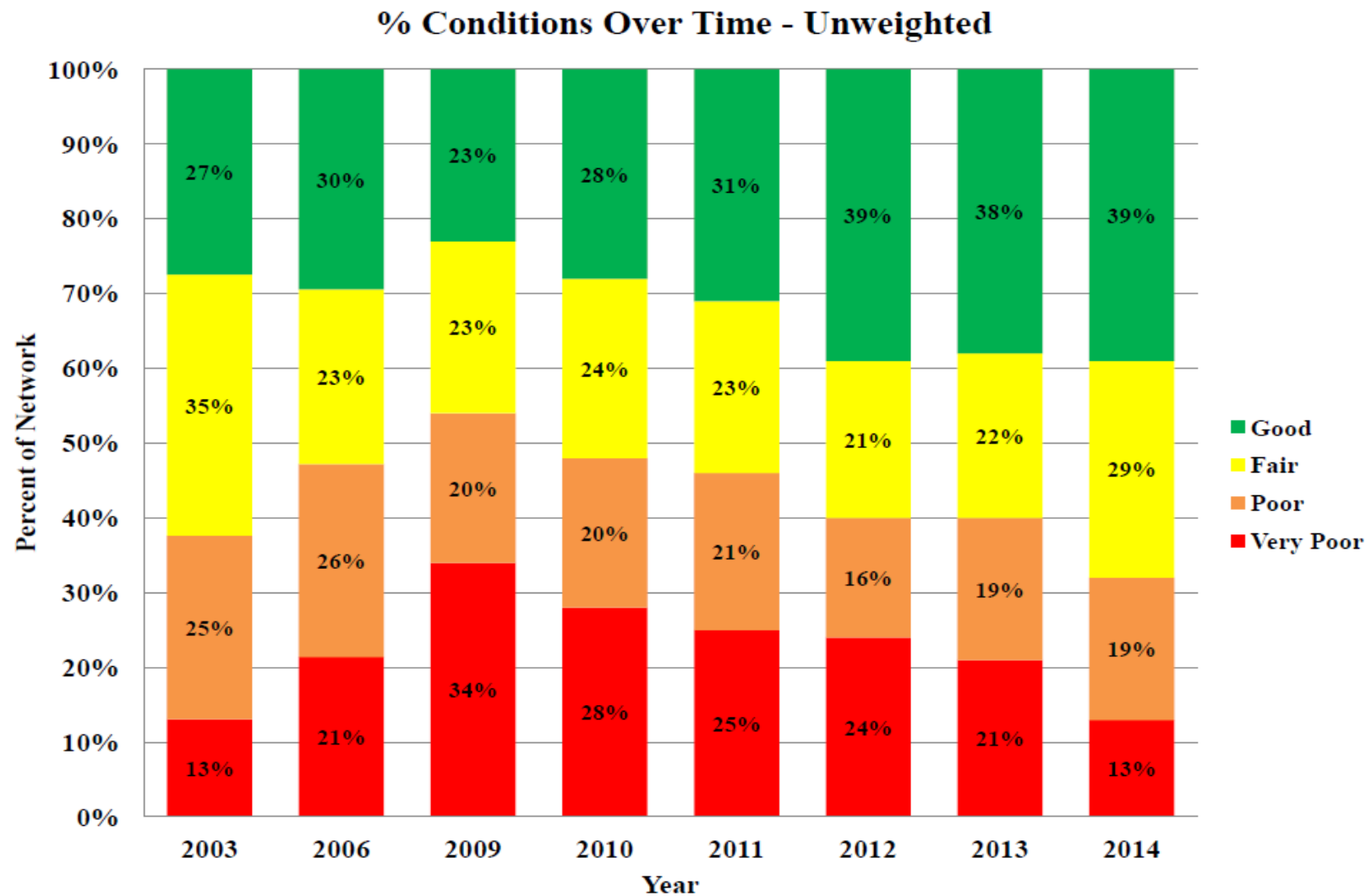


<http://vtrans.vermont.gov/sites/aot/files/documents/other/>

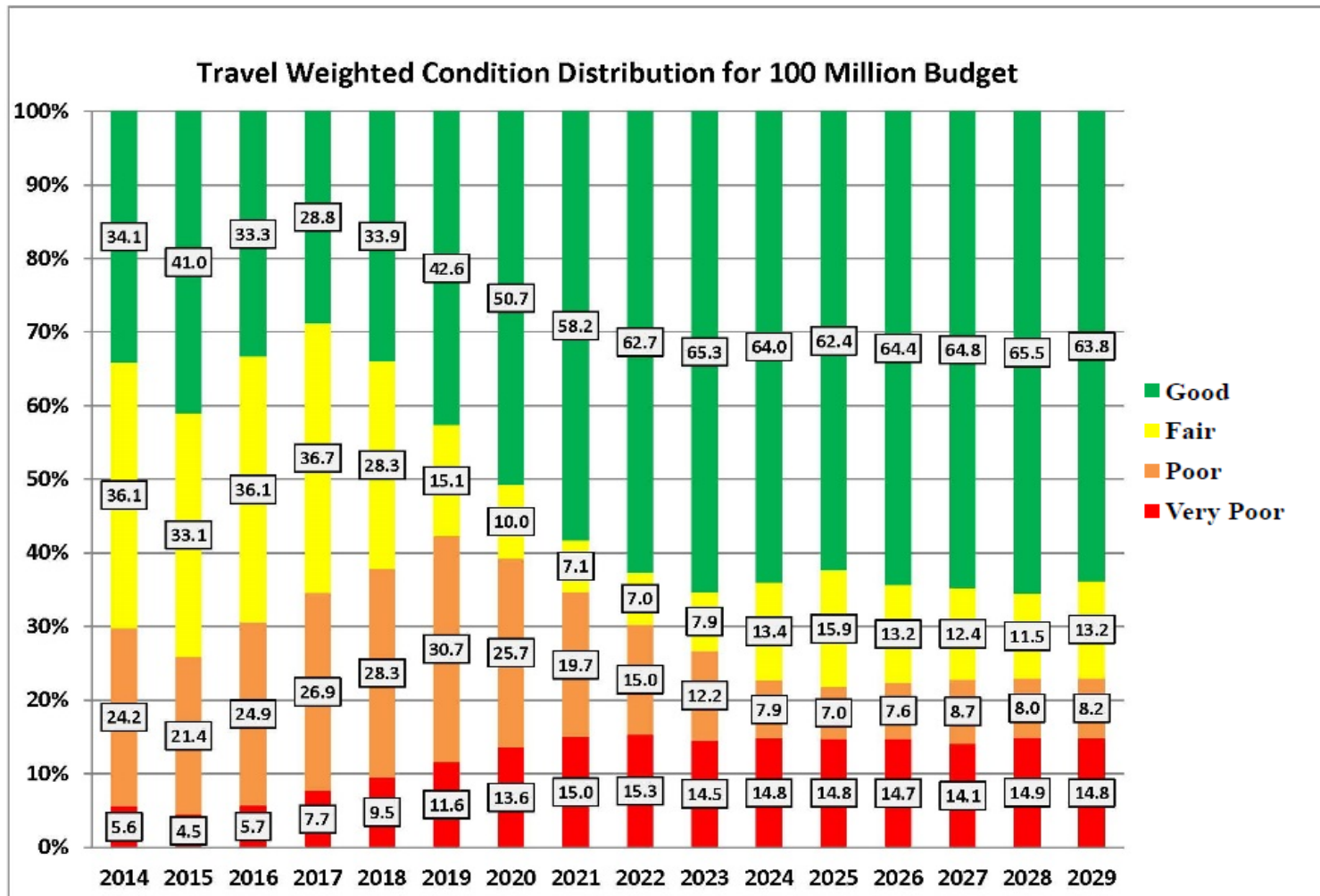
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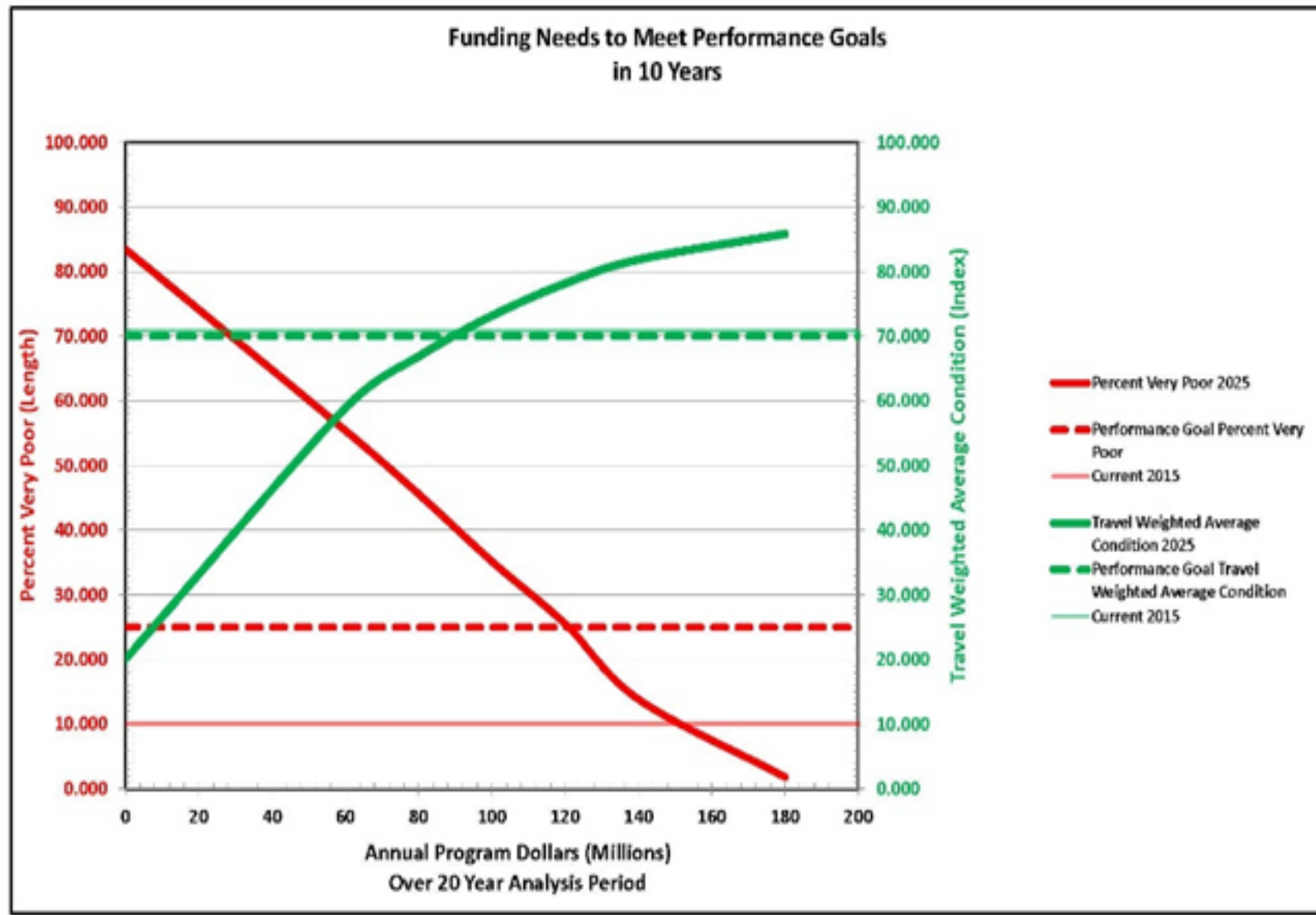
Pavement Condition – 10yr History



Forecasted Pavement Conditions



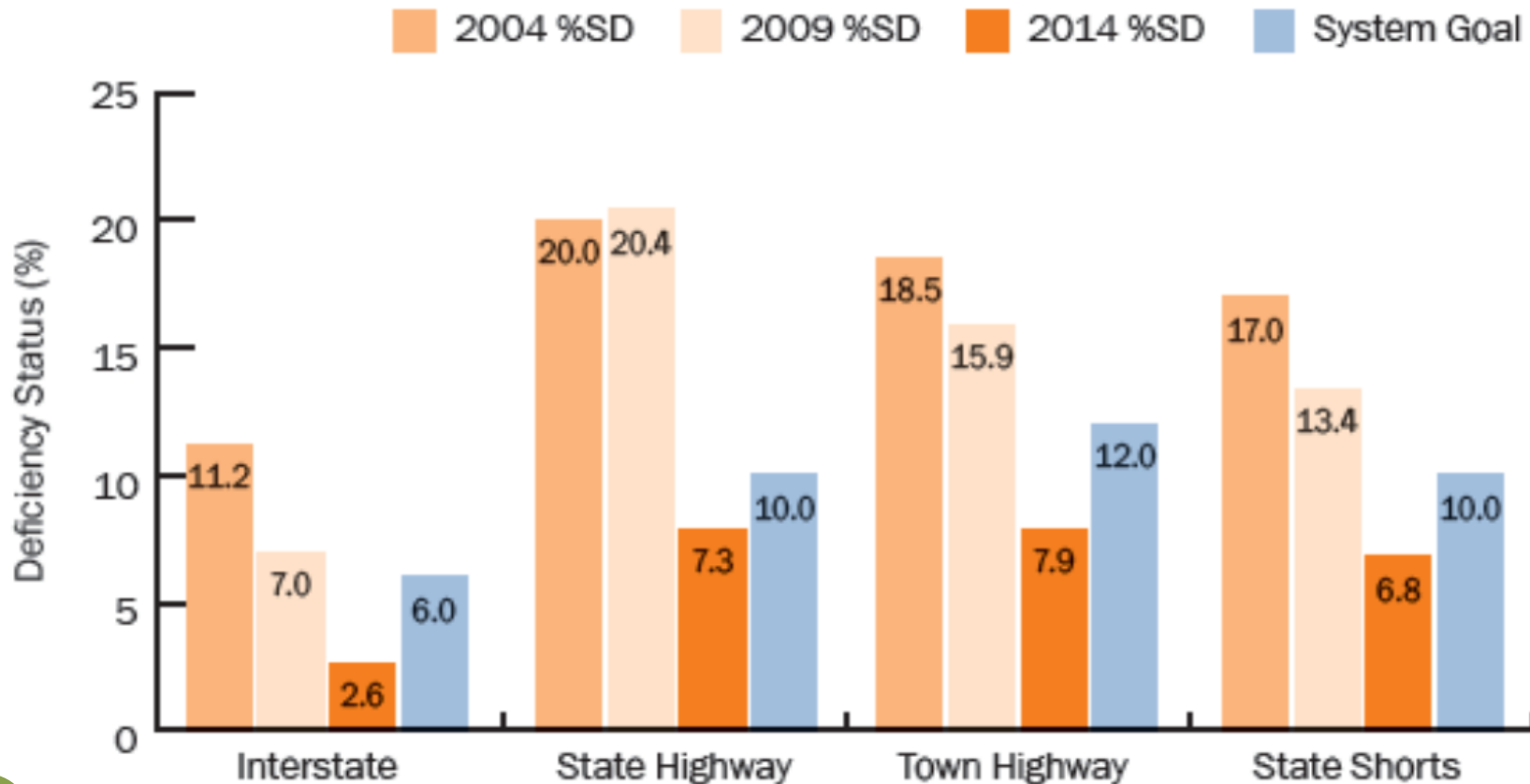
Forecasted Pavement Conditions



Bridge Condition – 10 yr History

Structural Deficiency Over Time by System

* 2004, 2009 and 2014 represent year data submitted to FHWA



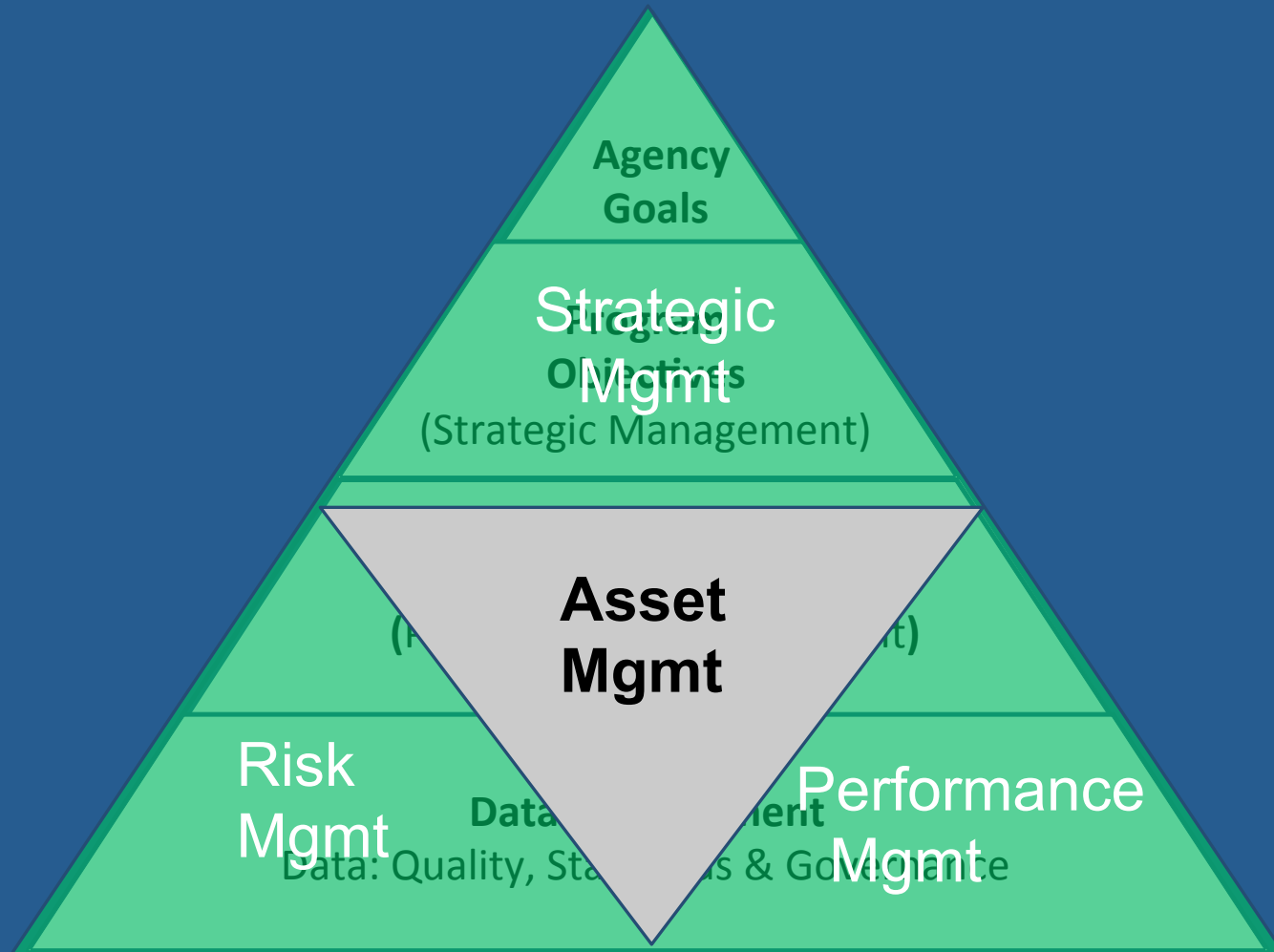
TAM Led to Risk Interest

- ▣ VTrans is committed to developing an asset management culture, not just developing a plan
- ▣ The risk-based asset management exercise generated agency-wide interest in risk management
- ▣ Agency personnel who attended risk training are already applying it to projects and initiatives
- ▣ We have hired a risk management engineer

Integrating Risk Management into Agency Practice

- ▣ Agency objective is to have each business unit identify its strategic goals
- ▣ The risk manager will help each unit identify and manage risks to those goals
- ▣ Engaging in risk management led to increased customer focus
- ▣ It resulted in asking, 'What are our risks from the customers' perspective'

VTrans TAM-Risk Linkage



QUESTIONS ??



*Agency of
Transportation*

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