



Calais, VT

# VTrans Asset Management

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House Transportation Committee \* January 10, 2014



Commitment to Asset Management will **change** how the Vermont Agency of Transportation conducts its business!





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





The purpose of Asset Management is to meet a **required level of service**, in the most **cost effective manner** through the management of assets for **present** and **future** customers.

Source: IIMM





# What is Asset Management ?



**MAP 21 Definition:** 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](#))





# Why Asset Management ?



- MAP 21 Federal Requirements (2012)  
tied to Agency Funding Levels
- 19 V.S.A. § 10k – Highways - *Chapter 1:  
State Highway Law*





Each State is required to develop a **risk-based and performance 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.





## Map 21 Timeline / Penalties



- Federal rule making process to be completed on April 1, 2014; which would require a Transportation Asset Management Plan (TAMP) completion date of October 1, 2015.
- Penalty for not meeting deadline: federal share for National Highway Performance Program (NHPP) projects decreases from 80% to 65%.







## § 10k. STATEMENT OF POLICY; ASSET MANAGEMENT

The agency shall develop an **asset management plan** which is a systematic goal and **performance-driven management** and **decision-making process** of operating, maintaining and upgrading transportation assets **cost-effectively**.





# VT State Law: Sec. 24. 19 V.S.A. § 10k



At a minimum, the asset management system shall:

- (1) list all of the infrastructure assets and their condition, including, but not limited to, pavements, structures, and facilities;
- (2) list other assets and their condition, including, but not limited to, construction and maintenance equipment, vehicles, real estate, materials, corporate data and information, and ground and water transportation facilities and equipment;





# VT State Law: Sec. 24. 19 V.S.A. § 10k



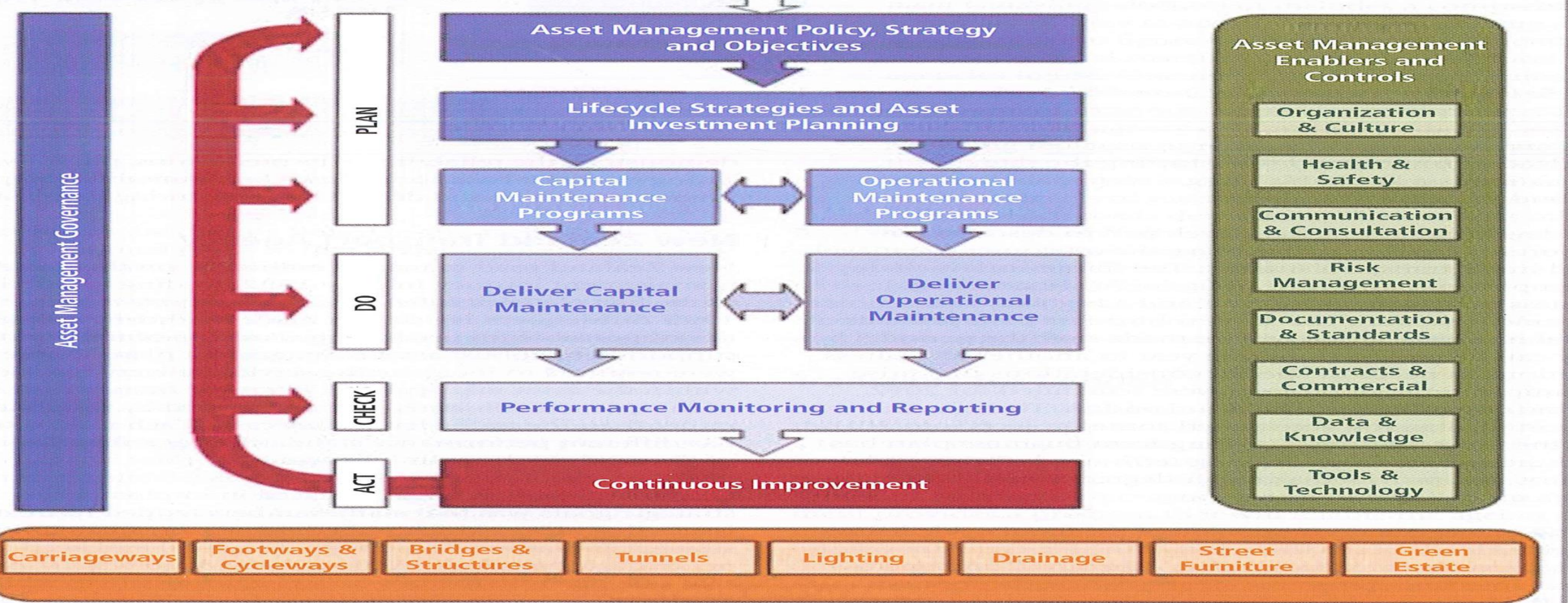
- (3) include deterioration rates for infrastructure assets; and
- (4) determine, long-term, the annual funds necessary to fund infrastructure maintenance at the recommended performance level.



## Business Management



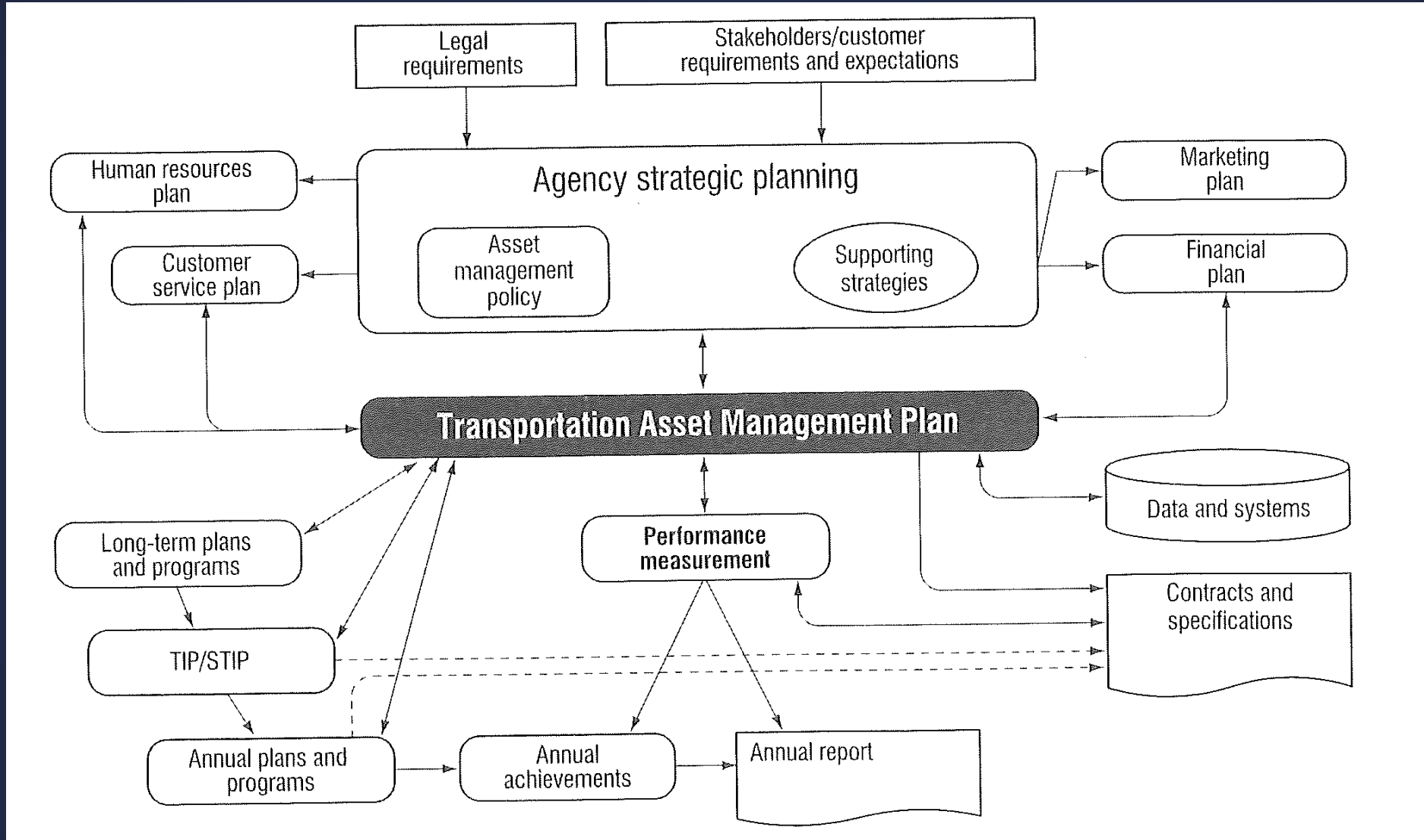
## Highway Asset Management





# Relationship between AM & the TAMP

AM – How can it work?





# Asset Management Vision



- Policy Driven

- Performance Based

What will Asset Management

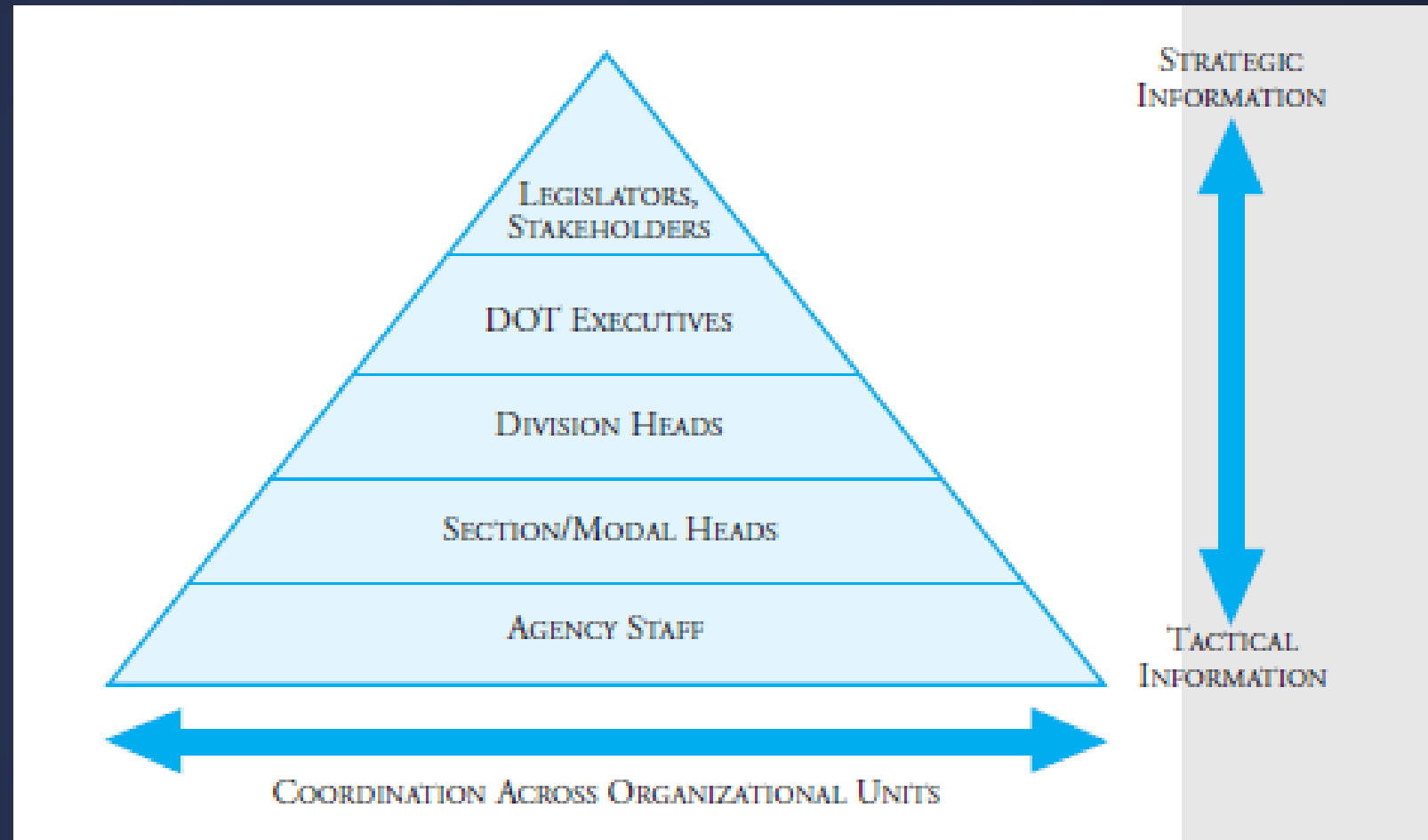
- Continuous Improvement

- Customer Service Commitment



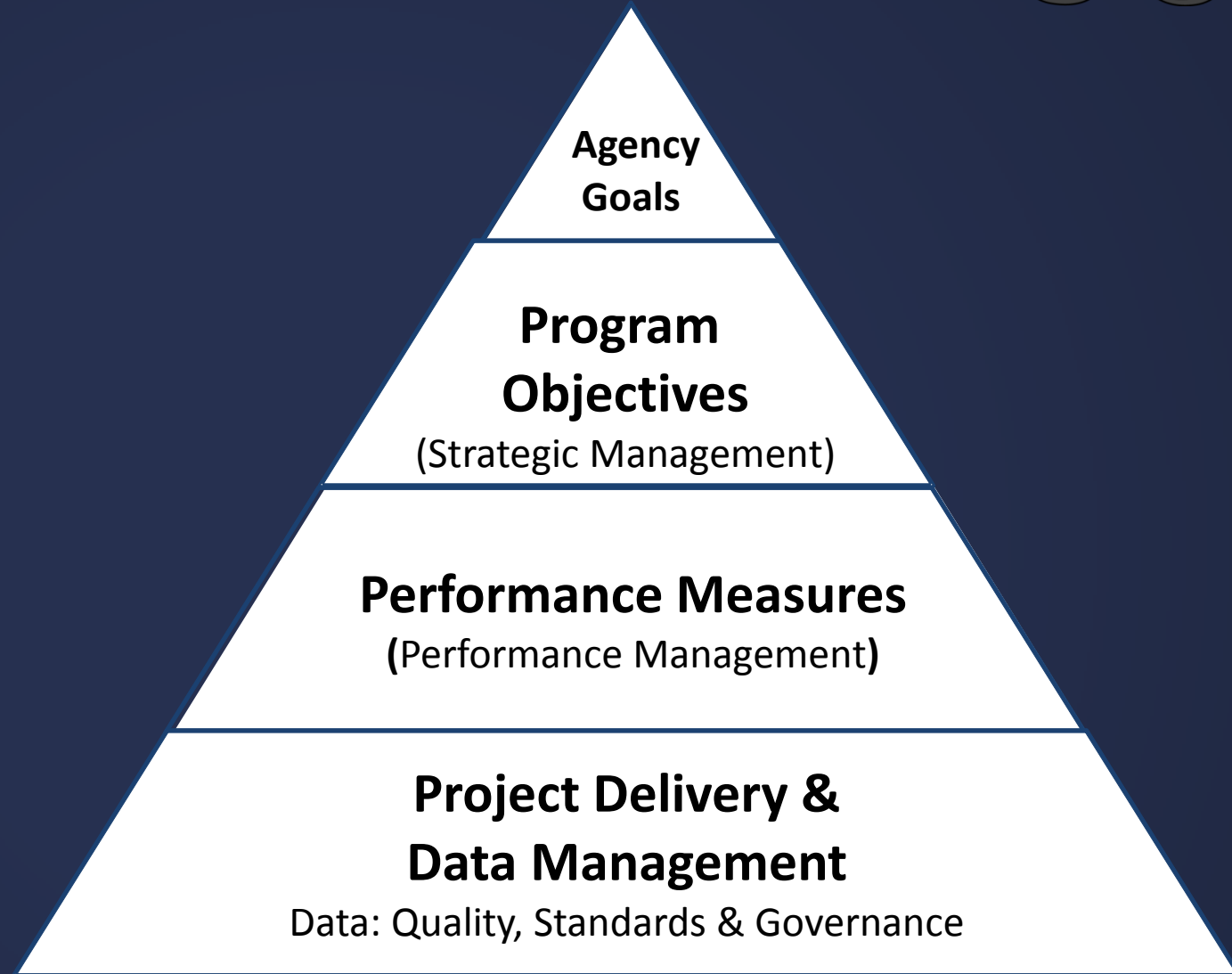


- Enhanced Communication





- Organizational Alignment







# Asset Management Vision



- Increased Government Accountability
- Integration of Agency Programs & Budgets
- Commitment to Risk Management
- Flexibility





- Increased Sustainability



The Sustainability Triple Bottom Line





# How will we get there?



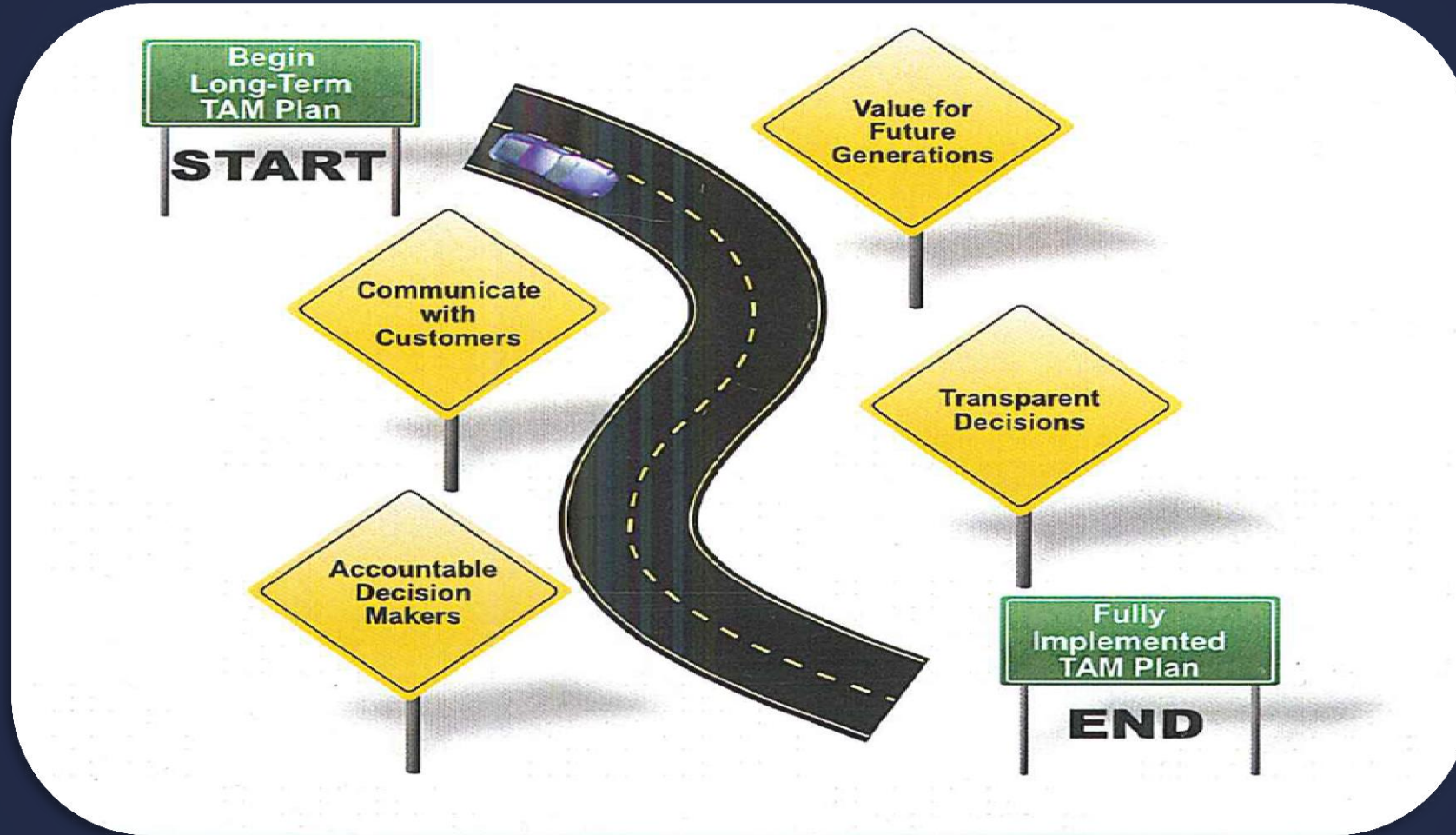
The TAMP Work Group (TAMP-WG) and the discussions developing the TAMP will serve to begin **ALIGNING** the Agency with its strategic goals and objectives!





# VTrans Transportation Asset Management

## The Journey Begins



Source: FHWA Pamphlet – Transportation Asset Management: Today's Decisions Impact Tomorrow's Performance





# AM Takeaway : VTrans' AM Simplified





# VTrans AM – What is needed from Legislature?



- Provide active leadership to the public.
- Communication – feedback loop.
- Ensure dedication of resources.
- Support VTrans on its AM journey.





Asset Management is the combination of **management, financial, economic, engineering** and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

Source: IIMM





# AM Takeaways

- Improved Efficiency, Decision Making, Transparency, Customer Satisfaction
- Increased reliability, credibility & accountability
- Reduction in whole life and long-term costs
- Alignment of the Agency toward common goals
- Increase in innovation & technology







Asset Management supports the Agency's business case and the political environment by providing better information with greater certainty based on an assessment of relevant factors such as customer service levels, asset condition & performance, future network demands, engineering needs, economic analyses and financial planning.





*Today's Decisions  
Impact Tomorrow's Performance*

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