



TSMO Overview

Transportation Systems Management & Operations (TSMO)

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Definition

FHWA Definition of TSMO:

An integrated program to optimize the performance of existing multimodal infrastructure through implementation of systems, services, and projects to preserve capacity and improve the security, safety, and reliability of our transportation system.

VTrans Strategic Plan

MISSION

Provide for the **safe and efficient** movement of people and goods.

VISION

A **safe, efficient** and multimodal transportation system that promotes Vermont's **quality of life and economic wellbeing**



TSMO Mission & Goals

TSMO MISSION

VTrans will improve the reliability of the existing transportation system by managing delays and disruptions

GOALS

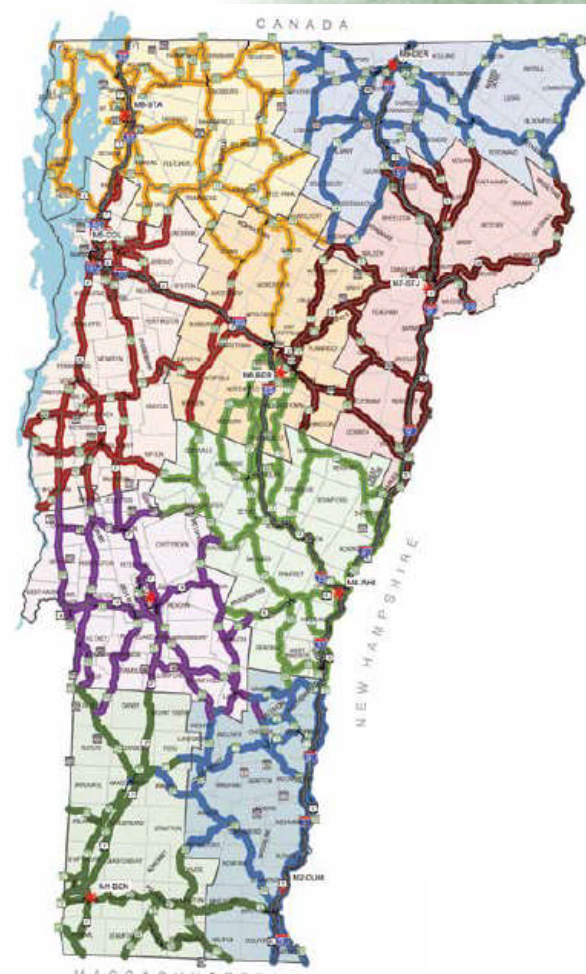
Improve reliability:

- During **typical operating conditions** and **challenging weather**.
- For work zones, special events and other **planned disruptions**.
- For **unanticipated incidents** that cause short and long term disruptions



Key TSMO Principles

- Customer focused
- Utilize existing foot print
 - Efficiency
 - Preserving capacity
- Balanced with Safety
- Multimodal
- Cross-jurisdictional





Strategic Plan & TSMO

Vrans Strategic Plan Goal	Related Objective	TSMO Relationship	
Goal 1: Provide a safe and resilient transportation system that supports the Vermont economy.	Reduce the number of major crashes		Support
	No unplanned road closures or restrictions due to conditions within VTrans' control		Support
	Increase the resilience of the transportation network to floods and other extreme weather and events.		Support
Goal 2: Preserve, maintain and operate the transportation system in a cost effective and environmentally responsible manner.	Minimize the environmental impacts of the transportation system.		Support
Goal 3: Provide Vermonters energy efficient, travel options.	Minimize traveler delay		PRIMARY
	Increase use of walking, biking, transit, rail, and Travel Demand Management options		Support
	Increase use of State and Municipal Park & Ride facilities		Support
Goal 4: Cultivate and continually pursue innovation, excellence and quality customer service.	Information given to customers is accurate and comprehensive		Support
	Staff are competent, fair, polite and sympathetic to customers' needs		Support
	Staff deliver the outcome as promised and manage any problems	Support	
Goal 5: Develop a workforce to meet the strategic needs of the Agency	Recruit excellent, qualified and diverse employees.		Dependent
	Retain and develop excellent and diverse employees		Dependent
	Implement succession planning		Dependent

Objectives for Typical Operating Conditions

- **Every Day**
 - Provide timely and accurate traveler information
 - Optimize the operation of existing traffic controls (signals, signs, lines) to reduce delay
 - Reduce single occupancy vehicle use through Transportation Demand Management
- **Challenging Weather**
 - Use technology to better manage snow and ice control



Objectives for Anticipated Travel Disruptions

- **Work Zone & Special Events**

- Provide timely and accurate traveler information
- Minimize delay increase from a network/corridor perspective
- Prevent crashes
- Traffic Management Plans will accommodate bike, pedestrians, transit and commercial vehicles



- **Special Event Specific**

- Plan for all events affecting state system



- Minimize the cost to the public/VTrans