Initial Briefing:

Transportation Systems Management & Operations Plan

Transportation Resilience Improvement Plan

Transportation Committee, April 21, 2026

Agenda Item No. 5.B

TAHOE REGIONAL PLANNING AGENCY

Tahoe Basin TSMO Plan

Transportation Systems Management & Operations

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What TSMO Means in Tahoe

Improving how Tahoe's transportation system operates

- ✓ **Proactive** management and operation of the transportation system
- ✓ Focus on optimizing existing system over expansion
- ✓ Includes **day-to-day operations** and **response to disruption**
- ✓ Focuses on improving safety, reliability, efficiency, and coordination

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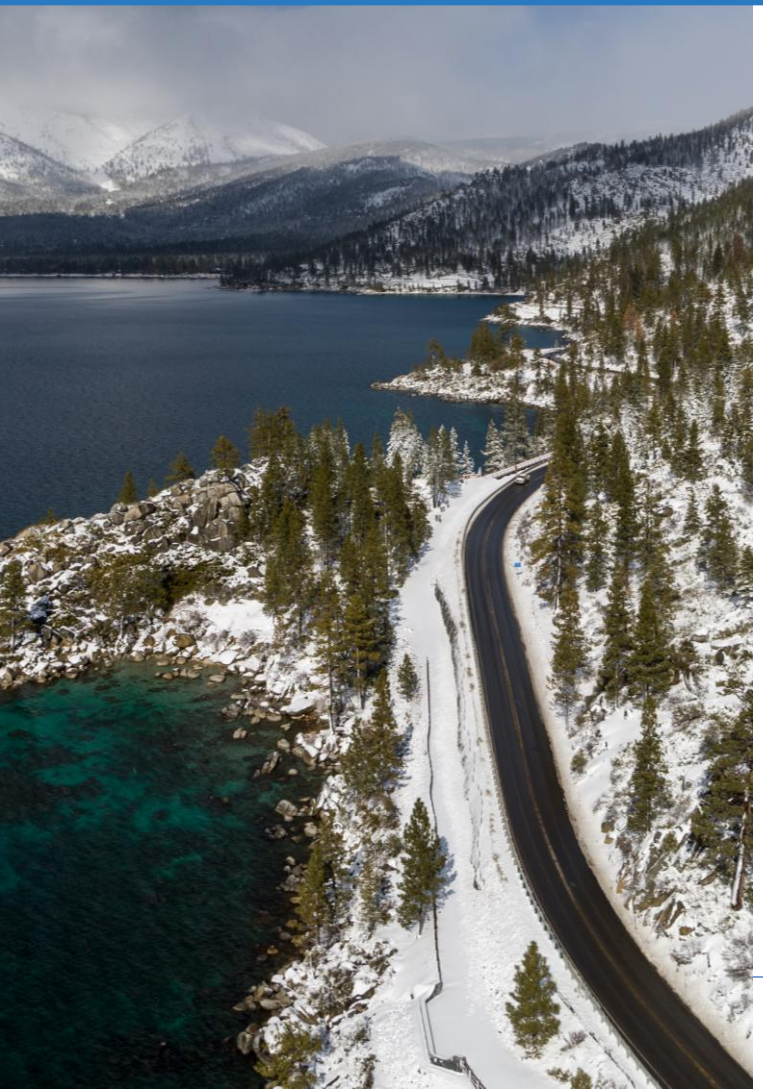
Why This Matters Now



Tahoe experiences recurring congestion and fluctuations in travel times from weather, incidents, events, and peak visitation

More coordinated operations can **improve safety, mobility and reliability, resiliency and emergency preparedness, climate and environmental goals, and accessibility and economic vitality**

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What TSMO Looks Like in Practice

- Signal Operations and Traffic Management
- Incident and Emergency Response Coordination
- Traveler Information Systems
- Work Zone and Event Management
- Use of Data & Tech to Support Real-Time Decision-Making

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TSMO Is Not Just Technology

Partnerships

Processes

Tools

Source: WSDOT

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Project Schedule

We are here

Spring - Summer 2026

Stakeholder Engagement & Data Collection

June 2026

Existing Conditions & Infrastructure Inventory

Capability Maturity Model (CMM)

September 2026

TSMO Needs Assessment informed by CMM

October 2026

TSMO Framework

Spring 2027

Draft Implementation Plan

Summer 2027

Final Plan with Executive Summary & Data Purchase Recommendations

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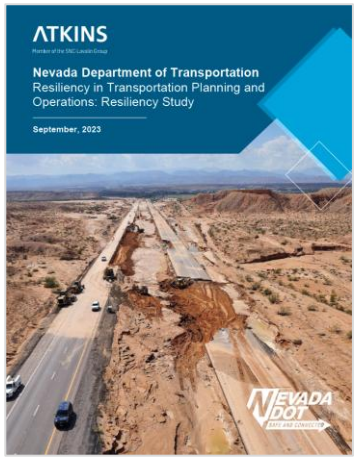
Tahoe Resilience Improvement Plan

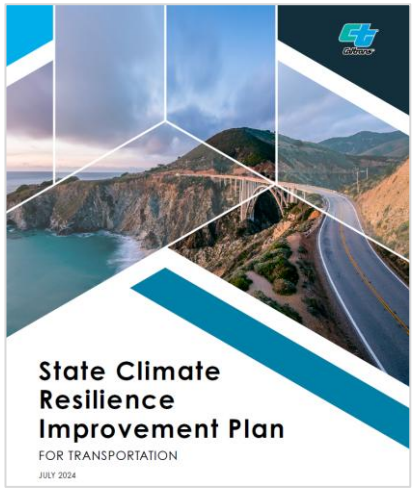
&

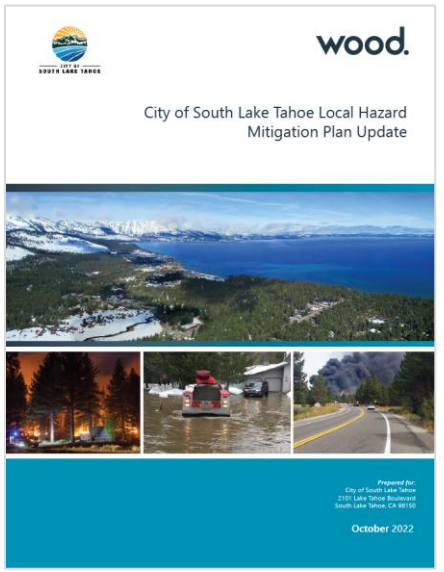
Transportation Communications Strategy

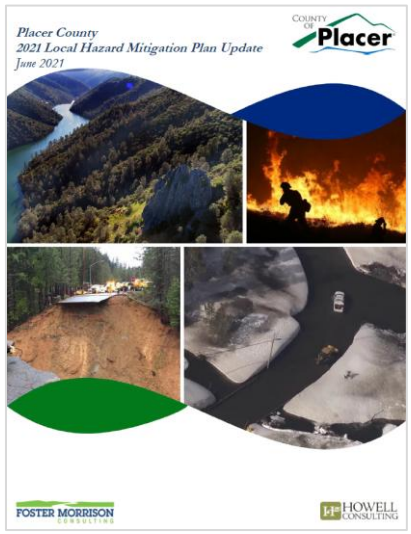
Project Scope

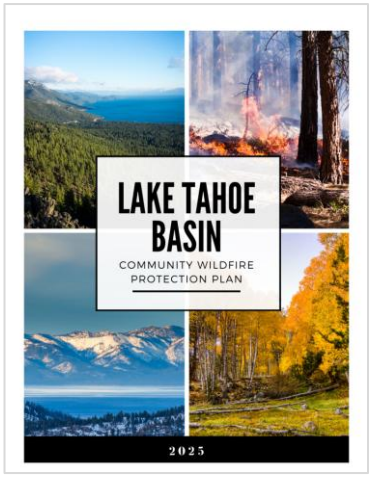
Transportation Resilience Improvement Plan	Interviews & Data Collection on Past Emergency Response Risk-Based Transportation Vulnerability Assessment Risk Index Mapping Tool Resilience Projects
Transportation Communications Strategy	Communications & ITS assessment informed by TSMO Coordination Strategy and Resource Inventory Focus on Disadvantaged Communities

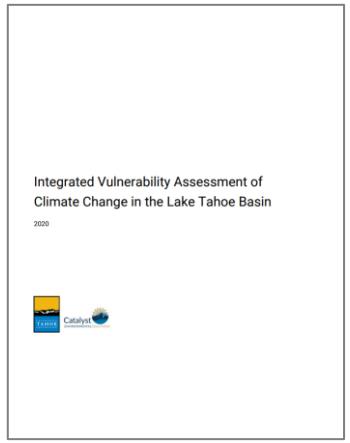




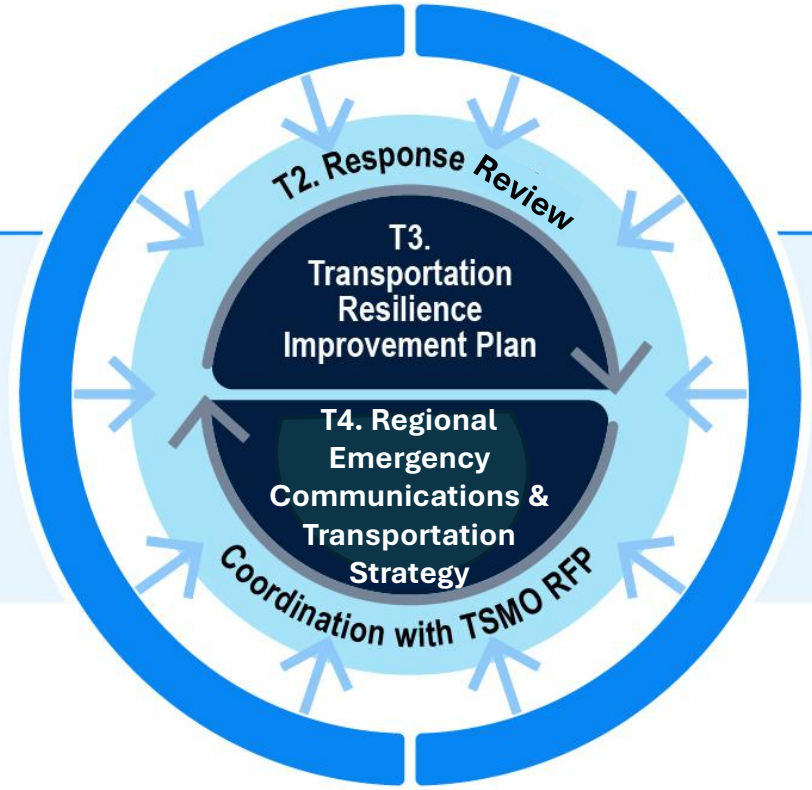








Leverage Existing Plans & Partnerships



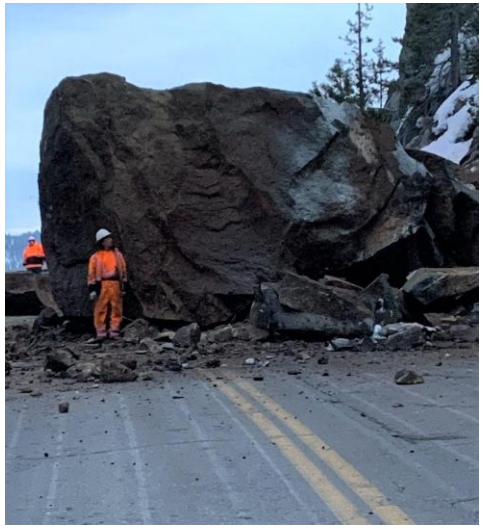
T1. Agency Collaboration and Engagement

Nevada DOT, Caltrans District 3, Nevada and California OEM, TRPA, TTD, first responders, County Staff, and others

T1. Public and Community Engagement

General public, community-based organizations, businesses, medical services, freight and logistics entities, among others

Stakeholder & Community Engagement



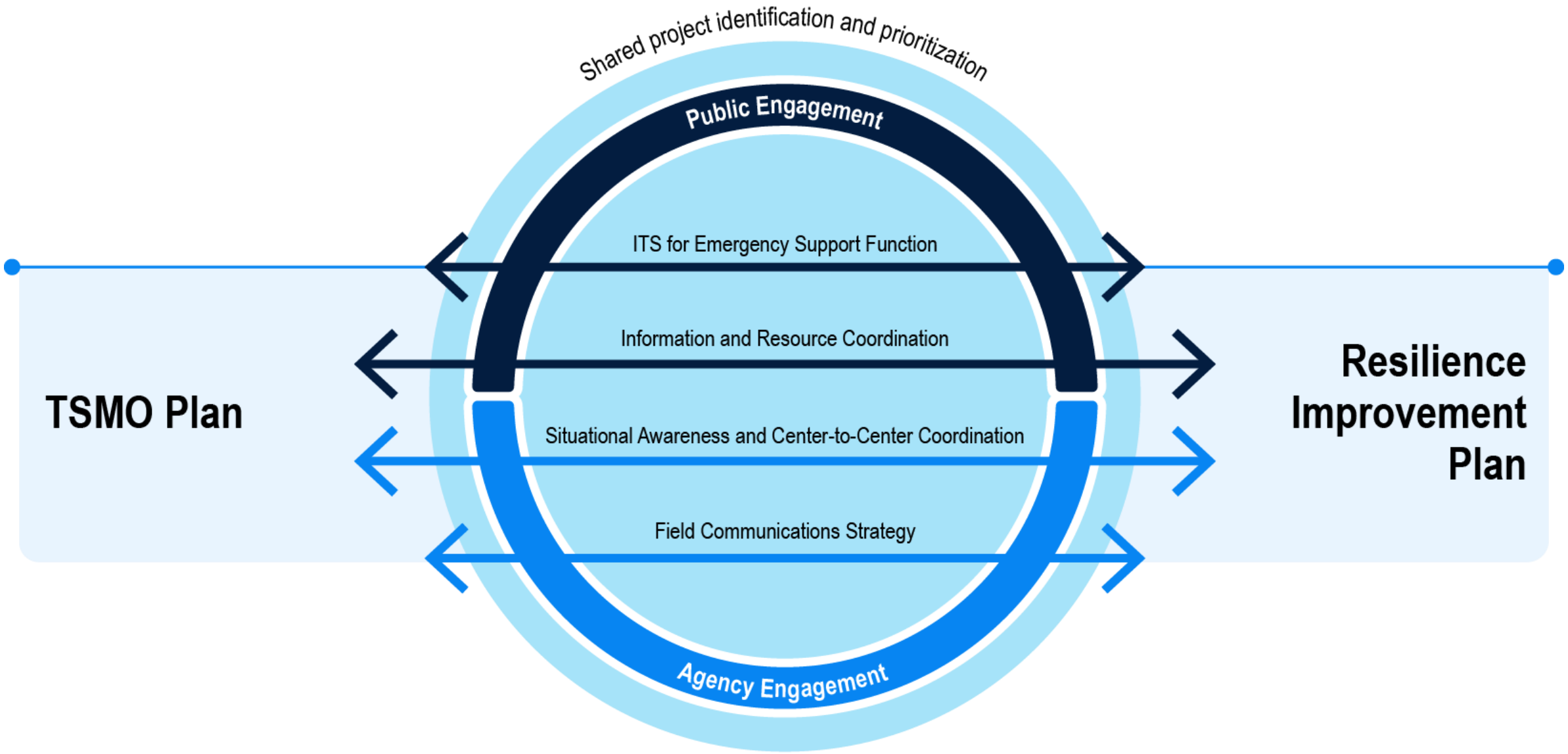
Responsibility Map and Public Messaging

Stakeholder and Public Engagement Plan

Steering Committee

Engaging Additional Stakeholders and the Public

Integration with the TSMO Plan



We are here

Spring/ Summer 2026

- Public and Stakeholder Engagement & Data Collection

Fall/Winter 2026

- Vulnerability Assessment
- ITS Project Workshop

Spring 2027

- Risk Index Mapping Tool

Summer 2027

- Workshops- Transportation Coordination & Draft Project List

Fall 2027

- Project List
- Draft Plans
- Transit Evacuation Strategy

Winter 2027/2028

- Final TRIP & Communication Strategy

TAHOE REGIONAL PLANNING AGENCY

Transportation Systems Management & Operations Plan (TSMO)

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