

Operations & Safety Bureau

Presented on: January 22, 2019

Presented by:

Joshua Schultz & Bruce Nyquist
VTrans Operations & Safety Bureau

VTrans Strategic Plan

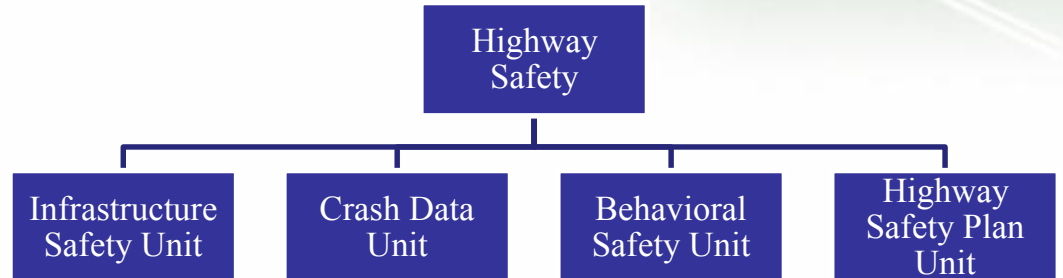
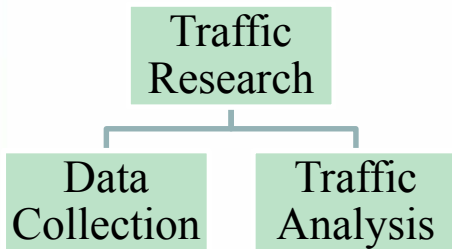
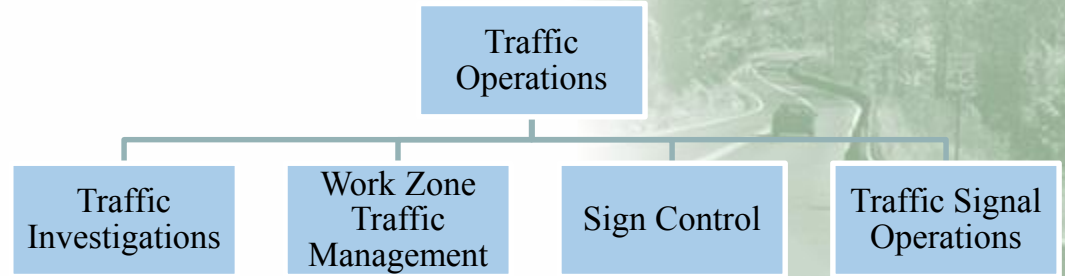
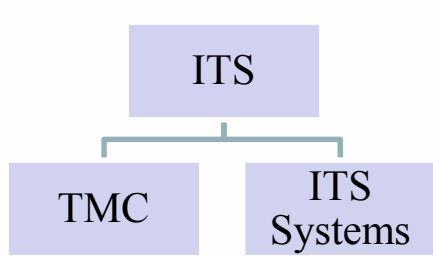
MISSION

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**

Operations & Safety Bureau Organization



Key OSB Principles

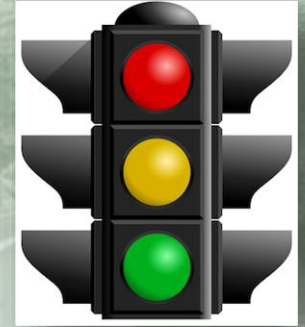
- Customer focused
- Data Driven
- Utilize existing foot print
 - Efficiency
 - Preserving capacity
- Safety
- Multimodal
- Cross-jurisdictional



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

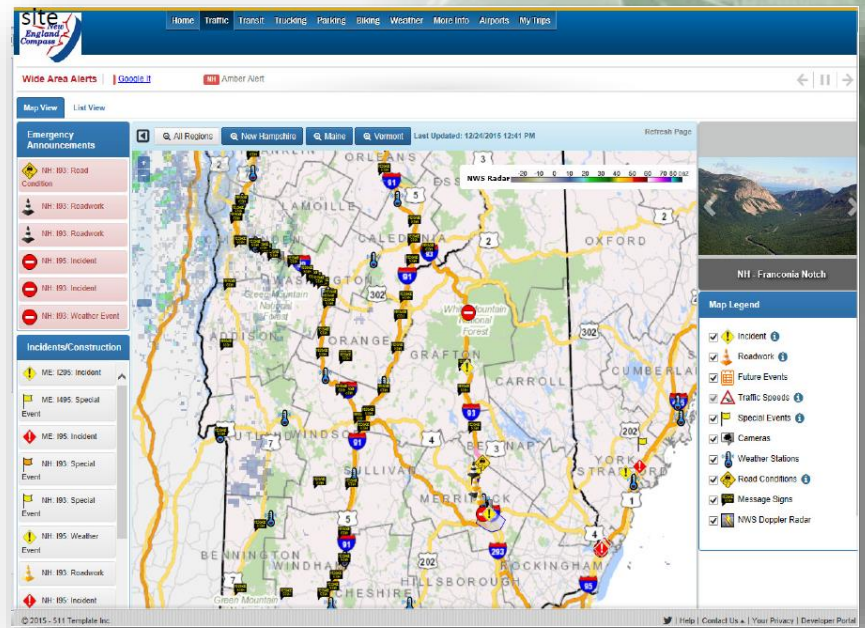


Objectives for Unanticipated Travel Disruptions

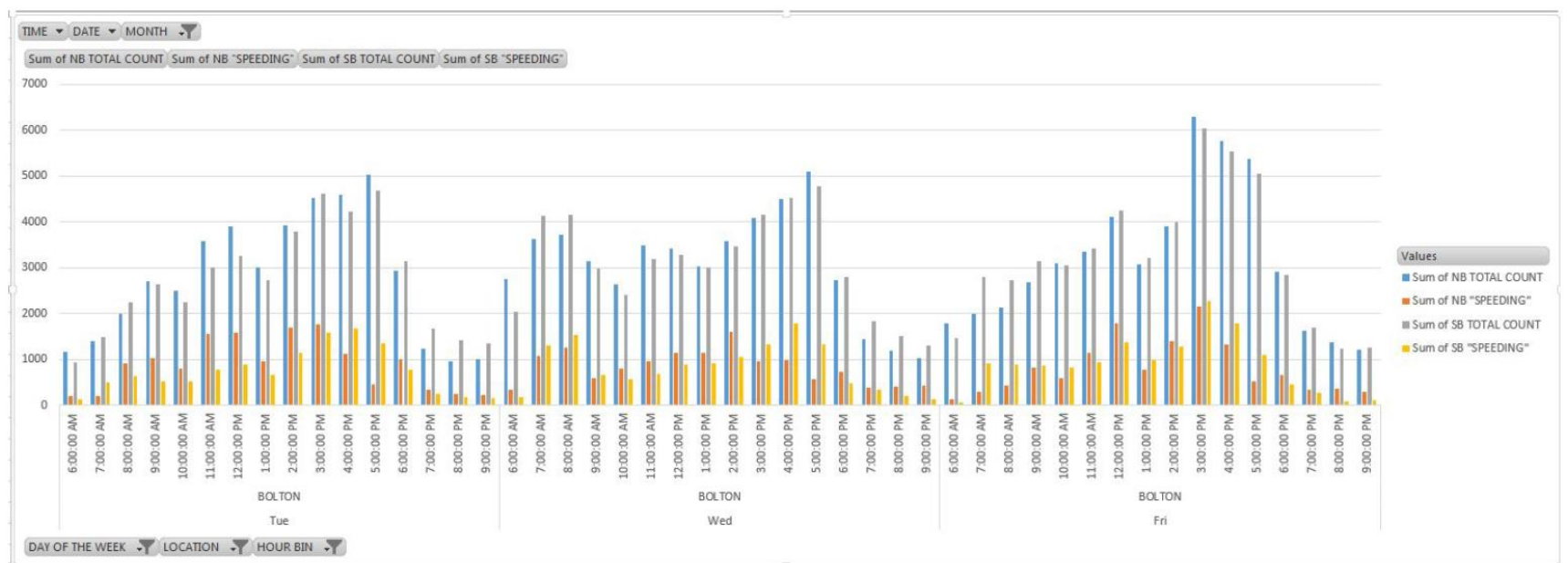
- **Short Term** (crash, sink hole) & **Long Term Incidents** (flood, unexpected bridge closure, transit strike)
 - Provide timely and accurate traveler information
 - Develop/improve situational awareness of real time operating conditions
 - Quickly deploy response/mitigation
 - Minimize duration of travel restrictions and closures
 - Reduce potential for secondary crashes



TMC & ATMS/511 Website

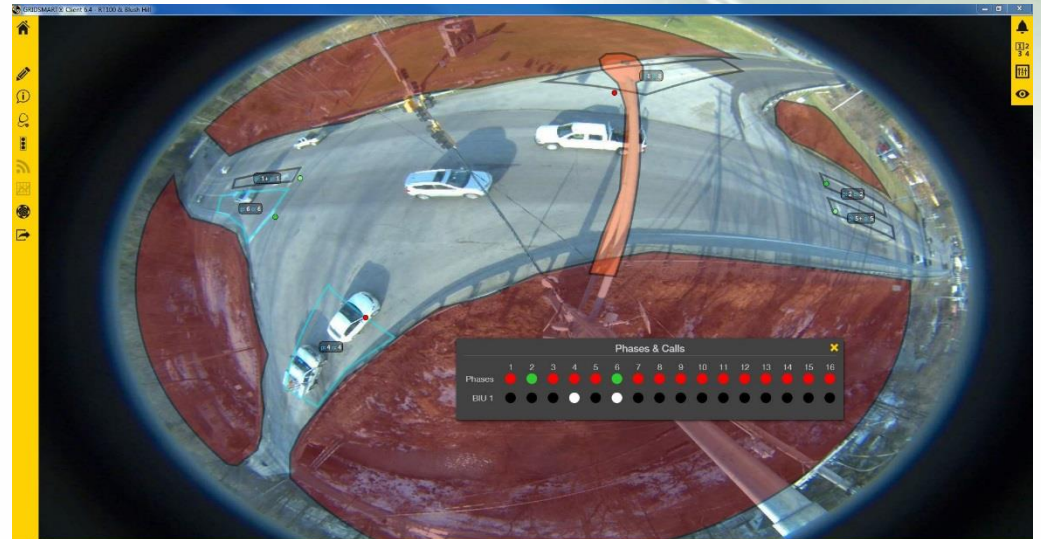


Speed & Volume Data



2 Highest Hours of Day 1 (Tuesday)	2 Highest Hours of Day 2 (Wednesday)	2 Highest Hours of Day 3 (Friday)
1. 3-4 PM	1. 4-5 PM	1. 3-4 PM
2. 2-3 PM	2. 8-9 AM	2. 4-5 PM

Traffic Signal Operations



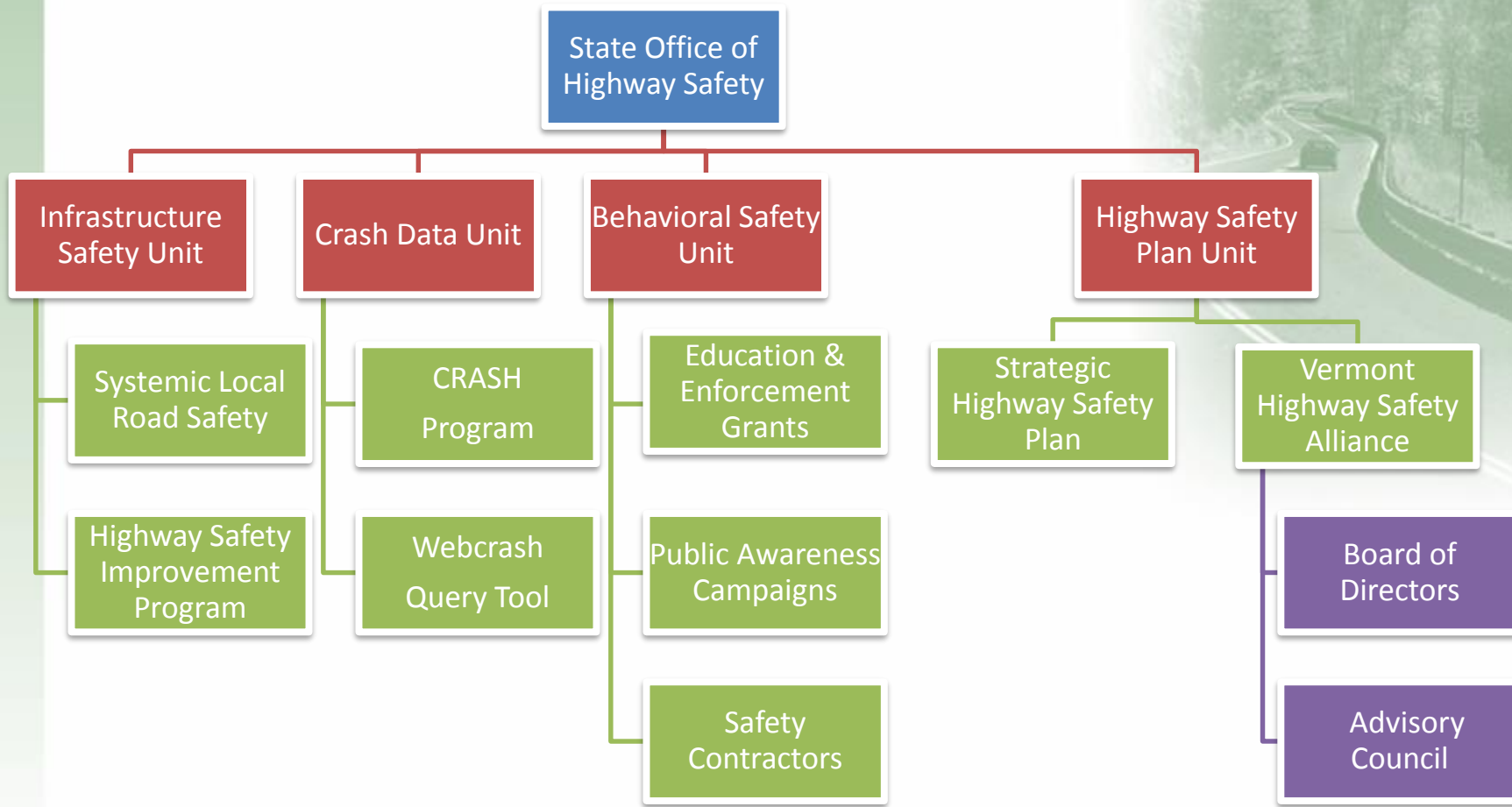
OSB - State Highway Safety Office Overview

Presented on: January 22, 2017

Presented by:

Bruce Nyquist
State Highway Safety Office
VTrans Operations & Safety Bureau

SHSO Organization



Grants Program

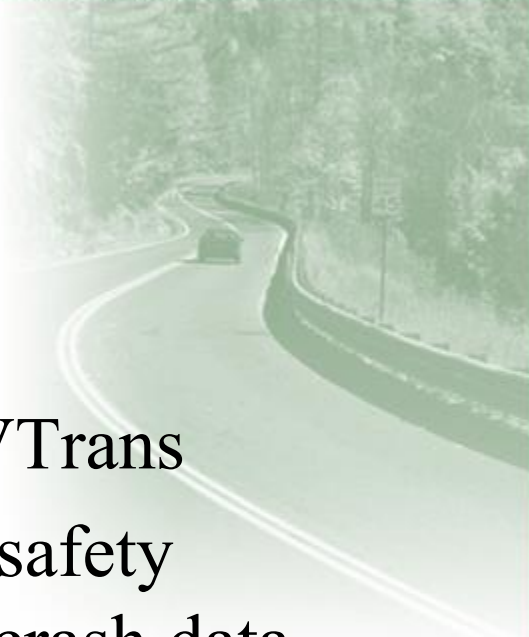
- **Education**
- **Law Enforcement, DUI, DUID, Occupant Protection, Speed Distracted Driving**
- **State traffic data records systems (crash data, injury/EMS data, citation data)**

Contracts

- **Media Campaigns**
- **Law Enforcement Liaisons, Impaired Driving Coordinator, Traffic Safety Resource Prosecutors**
- **Drug Recognition Expert (DRE) program**
- **Vermont Forensic Laboratory Program**

Crash Data Unit

- Vermont Crash Data System
- Web Query Tool
- Provide crash data support for law enforcement activities as well as VTrans
- Work with other departments and safety stakeholders on the integration of crash data with other data systems. (i.e. injury and citation data)



Infrastructure Safety Unit

- Highway Safety Improvement Program
 - Systemic programs - system wide
 - High Crash Locations
- Systemic Local Road Safety (High Risk Rural Roads Program) - improving town infrastructure
- VTrans projects - safety analysis and review

Highway Safety Plan Unit

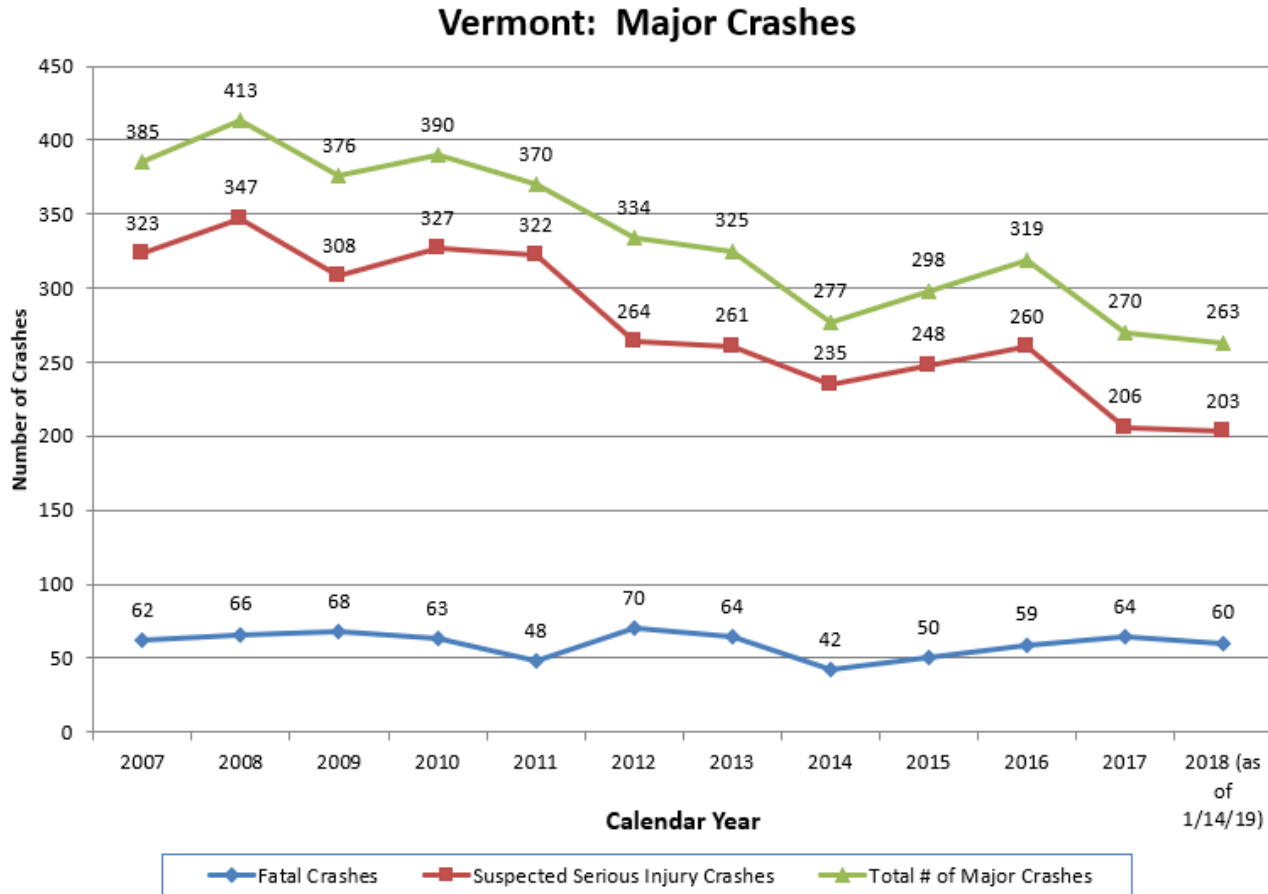
- Strategic Highway Safety Plan Implementation
- Vermont Highway Safety Alliance (VHSA) public/private non-profit organization
- Facilitate collaboration between organizations (4 E's, Education, Enforcement, Engineering & EMS)
- Develop programs/initiatives to reduce major crashes in the Critical Emphasis Areas (CEAs).

THE GOAL

**REDUCE MAJOR CRASHES
ON ROADWAYS IN
VERMONT!!**

TOWARD ZERO DEATHS

THE GOAL



Data Source: VTrans in-house VCSG dbase and FARS. Data reflected as submitted by law enforcement. Major Crash involves Fatality and/or Suspected Serious Injury.