FACT SHEET

Responding to Highway Mobility Incidents Using an Advanced Transportation Management System (ATMS)

PROJECT TITLE
Responding to Highway Mobility Incidents Using an Advanced Transportation Management System (ATMS)
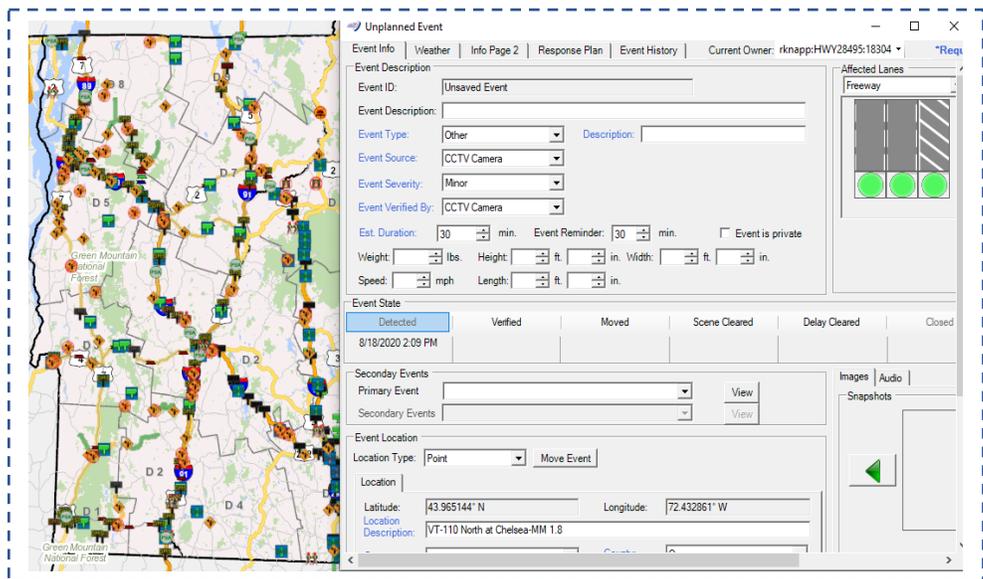
STUDY TIMELINE
2016 - present

INVESTIGATORS
Ryan Knapp, VTrans
Robert T. White, VTrans
NHDOT
MEDOT

VTRANS CONTACTS
Ryan Knapp, Manager, Transportation Management Center

Problem Statement

ATMS's are a nationally utilized tool that is customizable to meet the needs of specific organizations. The Transportation Management Center (TMC) at VTrans transitioned from a 'siloed' approach to traffic management to an ATMS in 2016. Known as New England Compass, the ATMS consolidates many facets of traffic management and incident reporting to expedite the public notification of mobility restrictions. This program allows a single point of access for message boards, road weather information systems, alert messaging, road condition reporting, dispatch log writing, the 511 traveler information website, and more.

Methodology

VTrans partnered with NHDOT and MEDOT in 2014 to put out an RFP for an ATMS. The Tri-states identified opportunities to consolidate software programs and tools used for transportation management and public information dissemination. The Change Control Board (CCB) was comprised of representatives from each state and developed systems requirements for the program. Since implementation in 2016, the CCB has worked together to continuously improve NE Compass.

Next Steps

The consolidation of mobility incident responses improves response time for public notification and improves data collection and reporting. The next system enhancement is transitioning to ESRI based mapping for an improved 511 website and mobile application.

Potential Impacts and VTrans Benefits

The effectiveness of informing motorists impacts the public perception of VTrans. Improving the 511 traveler information website with an ESRI based map will increase functionality of the site and allow users a better mobile option – enhancing the traveler experience for Vermonters and visitors.

More information about the VTrans Research Program, including additional Fact Sheets, can be found at:
http://vtrans.vermont.gov/planning/research