Transportation Management Center Operations

Technologies to Monitor Mobility and Provide Public Warning



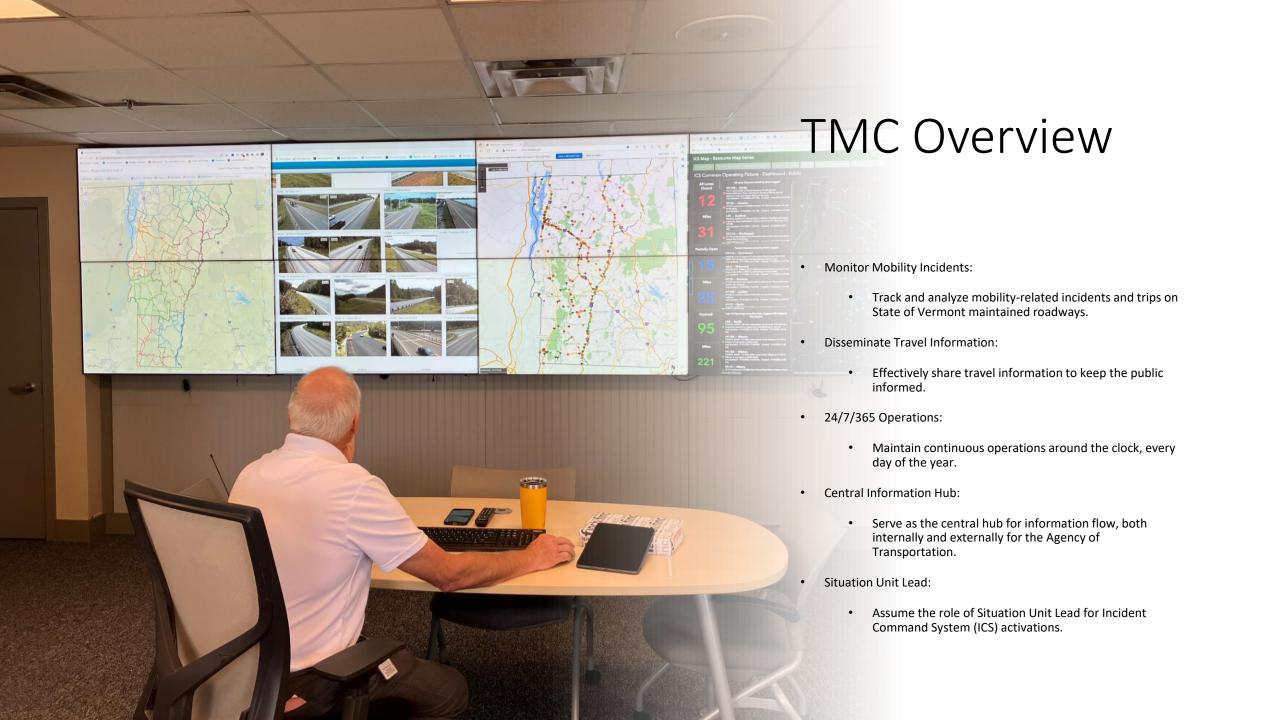
Ryan Knapp, ITS Section Chief
Ian Kilburn, TMC Supervisor
Operations and Safety Bureau (OSB)
Vermont Agency of Transportation

Vermont Emergency Preparedness Conference-September 11, 2024

TMC Mission

Detect, verify, and respond to incidents affecting mobility on Vermont's transportation infrastructure. Provide the public, State, and municipal agencies with timely, accurate, and impactful travel information to promote safe and efficient travel 24 hours daily.





TMC Customers

- Effective Travel Information Distribution:
 - Deliver timely, accurate, and impactful travel information to various stakeholders.
- Stakeholders Include:
 - AOT District Maintenance, Fleet, and Executive Leadership
 - US DOT & Federal Highway Administration
 - Vermont State Police
 - Municipal Emergency Services
 - Vermont Emergency Management
 - State Agencies
 - Traveling Public



Monitor Transportation Mobility

- Systems utilized
 - Road Weather Information System (RWIS) – Vaisala
 - Closed-circuit TV (CCTV)
 - Big Transportation Data (Probe Data)
 - WAZE
 - Radio communications
 - Telephone
 - Email
 - Social media
 - Survey 123
 - Plow Finder/AVL
 - Changeable Message Signs
 - New England Compass/511
 - VT-Alert
 - Wavetronix





Intelligent Transportation Systems (ITS)

- Advanced application to provide innovative and integrated technologies to provide safer, more coordinated, and smarter use of transportation networks.
- Enabling motorists and stakeholders to be more informed.

Road Weather Information System (RWIS) & CCTV



Environmental Sensors, Communication Systems, and Central Systems:

Integrated systems for comprehensive data collection.



CCTV Cameras at Every Site:

Incorporation of CCTV cameras for real-time monitoring.



Real-Time Imaging with CCTV:

Utilization of CCTV for immediate visualization of road conditions, aiding both AOT and the public.



Diverse Array of Sensors:

Thermometer (air temperature)

Anemometer (wind speeds)

Wind Vane (wind directions)

Visibility (site distance)

Surface Sensors (road surface temperature, dry or wet states, water depth)

Precipitation Type (light rain, rain, heavy rain, snow, sleet, freezing rain, etc.)

Other Metrics (dew point, road friction coefficient, humidity)



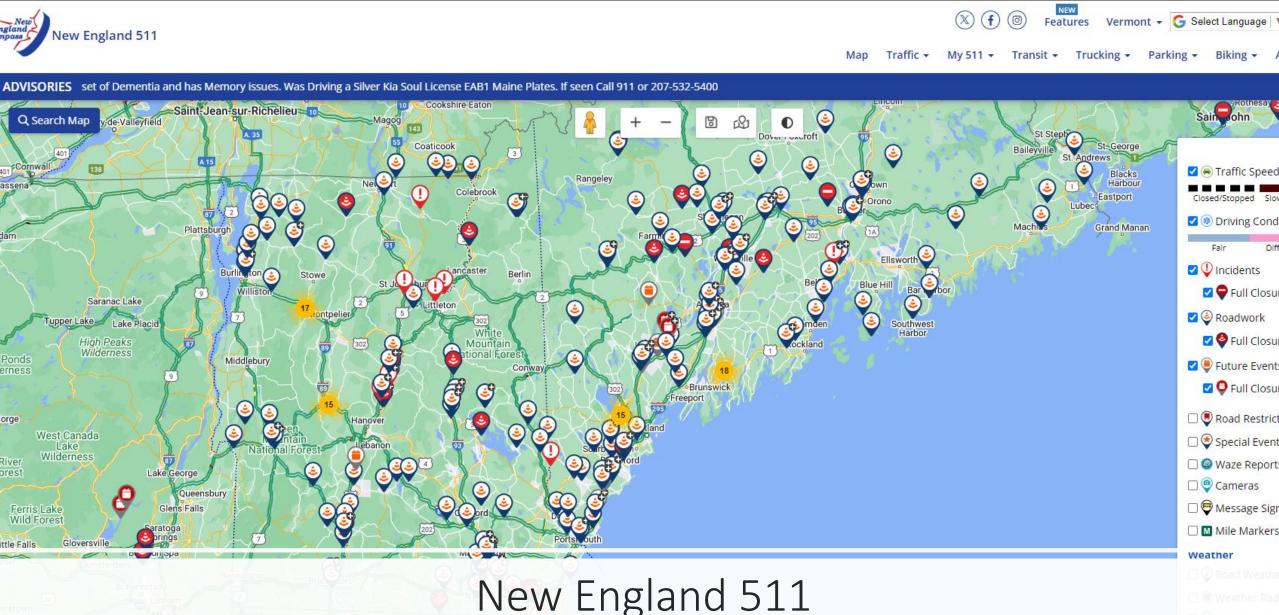
Wavetronix Integration:

Provides traffic volume, speed data, and occupancy rate information.



Integration with Systems:

Rules created for automated messaging on message boards.



New England 511

Pittsfield

Catskill

Amherst

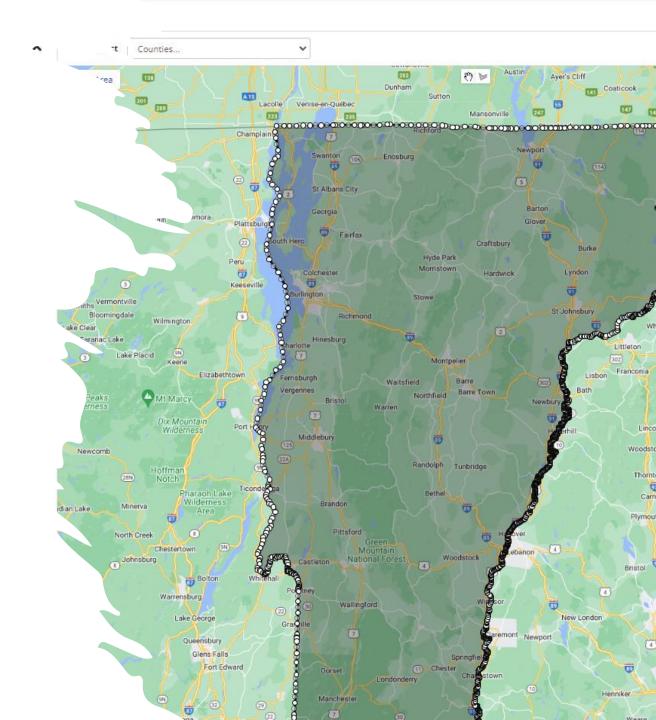
Northampton

Worcester Framingham



New England 511

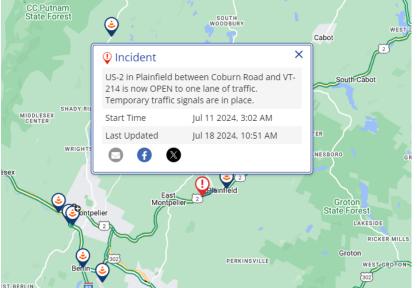
- Real-time traffic information:
 - Traffic events
 - Road conditions
 - Travel times
- Customization
 - Save routes
 - Set up notifications
 - User-preferred camera wall
- View live feeds
 - Camera (CCTV)
 - Message boards
 - RWIS data

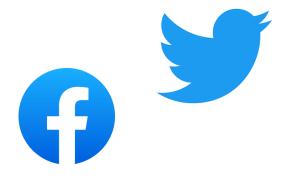


Disseminate Travel Information











Feb 14 2023 at 08:49:36

Traffic Events Within Windham County

You have confirmed. <

Event Description: Roadwork Closure -

Updated

TRAFFIC ALERT: Today at 9 AM to 3 PM I-91 NB Westminster will be closed to all traffic between Exits 5 & 6 for bridge maintenance. Detour exit 5 to US 5 to Exit 6.

Start TimeFeb 14 2023, 9:00 AM
Anticipated End TimeFeb 14 2023, 3:00 PM

Area Notification: Windham County

<u>Click here</u> for all State of Vermont road closures.

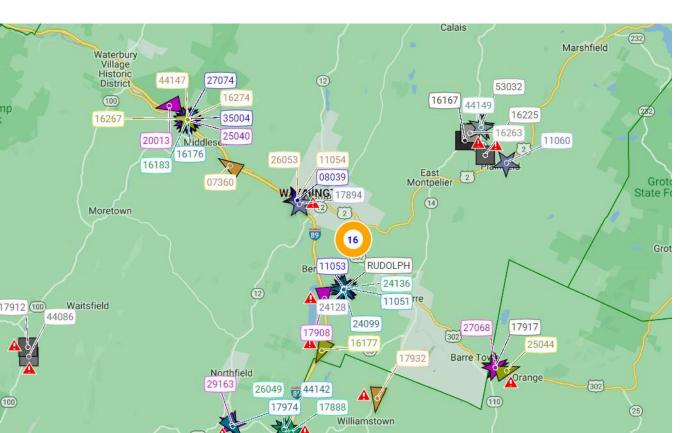
AGENCY OF TRANSPORTATION

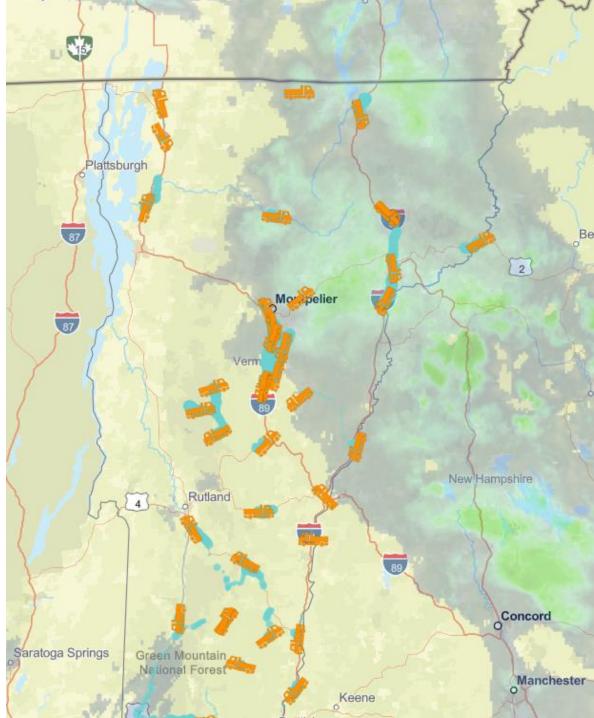
Changeable Message Signs (CMS)

- AOT deploys message signs along state highways and interstates.
- Permanently mounted and portable
- Use cases:
 - Road closure notices
 - Traffic safety messages/safety campaigns
 - AMBER Alerts
 - VT Route 9 Chain-up Law
 - Automated "Low Grip"

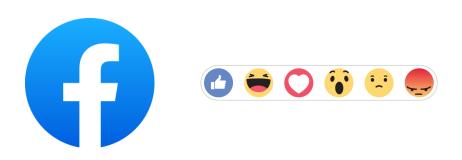
Automatic Vehicle Locating (AVL)/Plow Finder







Social Media





- Utilizing Agency of Transportation Facebook and Twitter pages to post real-time information about roadway conditions or issues impacting travel
- Monitor social media groups and comments for real-time information about roadway incidents that may not have been reported



- AVTEC Radio Consoles
 - Dispatch Consoles
 - Portable Consoles
- Maintain direct communication with VTrans staff throughout the state
- Capabilities to monitor:
 - Vermont State Police
 - Vermont Emergency Management
 - Fish & Game

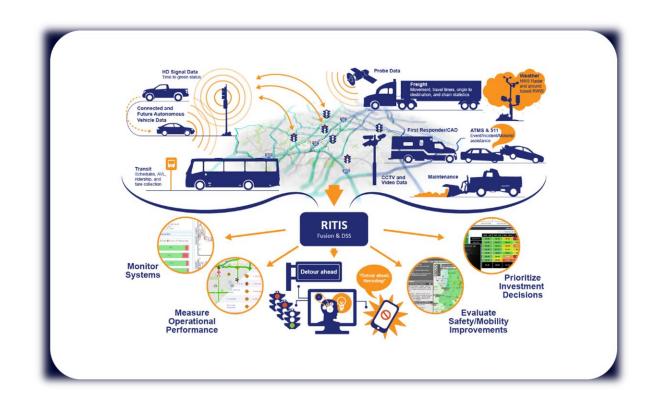


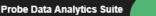
Big Transportation Data & RITIS

- Data Types: Travel Time & Speed, Origin/Destination, Volume, Conflation (mapping)
- Analytic Tool: RITIS

Use Cases

- Incident Detection and Response
- Integration into existing ITS structure
- Inform Crash and Network Screening Analysis
- Improve Project Development
- Improve fidelity to:
 - Statewide Speed analysis
 - Statewide Traffic volume analysis
 - Statewide Mobility analysis
- Increase border traffic understanding and fidelity
- Enable real-time data visualization and support to Execs
- Use freight information to improve economy



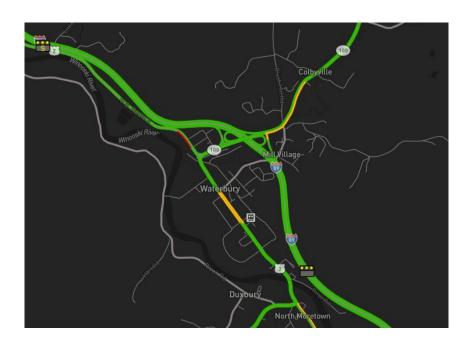




I-89 + Add widget Select a dashboard... ▼ ... I-89 Southbound Canada to Exit 16 I-89 Northbound Exit 16 to Canada Average Speed Travel Time Average Speed Travel Time Corridor Differential Current Historical Differential Current Historica Corridor Differential Current Historical Differential Current Historical I-89 SB between United States/Canada Border and US-7/Exit 22 4 mph 11 mph 7 m 3 m I-89 NB between US-7/Exit 22 and CAN--USA NATIONAL BORDER 47 mph 47 mph 1 m 0 1 m 70 mph 71 mph I-89 SB between US-7/Exit 22 and VT-78/Exit 21 65 mph 6 m I-89 NB between VT-78/Exit 21 and US-7/Exit 22 5 m 64 mph 6 m 5 m I-89 SB between VT-78/Exit 21 and VT-207/Exit 20 2 mph 66 mph 0 5 m 5 m I-89 NB between VT-207/Exit 20 and VT-78/Exit 21 69 mph 67 mph 5 m 5 m **4** 5 69 mph 3 m I-89 NB between VT-104/Exit 19 and VT-207/Exit 20 74 mph I-89 SB between VT-207/Exit 20 and VT-104/Exit 19 64 mph 4 m 68 mph 3 m 3 m I-89 SB between VT-104/Exit 19 and US-7/VT-104A/Exit 18 mph 69 mph 0 6 m 6 m I-89 NB between US-7/VT-104A/Exit 18 and VT-104/Exit 19 68 mph 0 6 m 6 m I-89 SB between US-7/VT-104A/Exit 18 and US-2/Exit 17 66 mph mph 70 mph 8 m 8 m I-89 NB between US-2/Exit 17 and US-7/VT-104A/Exit 18 68 mph 8 m 7 m 0 **4** 3 I-89 NB between US-7/US-2/Exit 16 and US-2/Exit 17 69 mph 67 mph I-89 SB between US-2/Exit 17 and US-7/US-2/Exit 16 71 mph 68 mph 5 m 6 m 6 m 6 m 0 UsingINRIX data Updated Sep 11, 2023 10:17 AM (3s ago UsingINRIX data Updated Sep 11, 2023 10:17 AM (3s ago) I-89 Southbound Exit 8 to Exit 16 I-89 Northbound Exit 8 to Exit 16 Average Speed Travel Time Average Speed Travel Time Corridor Differential Current Historical Differential Current Historica Corridor Current Historical Differential Current Historical I-89 SB between US-7/US-2/Exit 16 and VT-15/Exit 15 64 mph 61 mph I-89 NB between VT-15/Exit 15 and US-7/US-2/Exit 16 64 mph 60 mph 0 1 m 1 m 0 1 m 1 m I-89 SB between VT-15/Exit 15 and US-2/Exit 14 60 mph 1 m I-89 NB between US-2/Exit 14 and VT-15/Exit 15 66 mph 59 mph 2 m mph 1 m 2 m 0 I-89 SB between US-2/Exit 14 and I-189/Exit 13 **4** 1 61 mph 60 mph 0 1 m 1 m I-89 NB between I-189/Exit 13 and US-2/Exit 14 68 mph 60 mph 0 1 m 1 m I-89 SB between I-189/Exit 13 and VT-2A/Exit 12 I-89 NB between VT-2A/Exit 12 and I-189/Exit 13 mph 65 mph 3 m 3 m 69 mph 67 mph 3 m 3 m I-89 NB between US-2/Exit 11 and VT-2A/Exit 12 5 m I-89 SB between VT-2A/Exit 12 and US-2/Exit 11 68 mph 67 mph 0 5 m 5 m **70** mph 68 mph 0 5 m 12 m I-89 SB between US-2/Exit 11 and VT-100/Exit 10 mph 66 mph 13 m I-89 NB between VT-100/Exit 10 and US-2/Exit 11 70 mph 67 mph 13 m 13 m I-89 NB between Center Rd/Exit 9 and VT-100/Exit 10 I-89 SB between VT-100/Exit 10 and Center Rd/Exit 9 mph 69 mph 0 4 m 4 m 67 mph 69 mph 0 4 m 4 m I-89 SB between Center Rd/Exit 9 and Memorial Dr/Exit 8 75 mph 70 mph 0 5 m 5 m I-89 NB between Memorial Dr/Exit 8 and Center Rd/Exit 9 69 mph 69 mph 5 m 5 m UsingINRIX data Updated Sep 11, 2023 10:17 AM (3s ago UsingINRIX data Updated Sep 11, 2023 10:17 AM (3s ago) I-89 Southbound Exit 8 to NH border I-89 Northbound NH Border to Exit 8 Average Speed Travel Time Average Speed Travel Time Corridor Differential Current Historical Differential Current Historica Corridor Differential Current Historical Differential Current Historical I-89 SB between Memorial Dr/Exit 8 and VT-62/Exit 7 **4** 3 67 mph I-89 NB between VT-62/Exit 7 and Memorial Dr/Exit 8 67 mph 69 mph 2 m **70** mph 0 2 m 2 m 2 m I-89 SB between VT-62/Exit 7 and VT-63/Exit 6 72 mph 70 mph 3 m I-89 NB between VT-63/Exit 6 and VT-62/Exit 7 65 mph 70 mph 3 m 3 m 3 m I-89 SB between VT-63/Exit 6 and VT-64/Exit 5 **A** 2 mph 71 mph 0 3 m 3 m I-89 NB between VT-64/Exit 5 and VT-63/Exit 6 70 mph 4 m 3 m 9 m I-89 SB between VT-64/Exit 5 and VT-66/Exit 4 72 mph 10 m I-89 NB between VT-66/Exit 4 and VT-64/Exit 5 70 mph 10 m 10 m I-89 SB between VT-66/Exit 4 and VT-107/Exit 3 7 m 7 m I-89 NB between VT-107/Exit 3 and VT-66/Exit 4 **70** mph 7 m 7 m **76** mph 72 mph 0 68 mph 0 I-89 NB between VT-132/Exit 2 and VT-107/Exit 3 69 mph I-89 SB between VT-107/Exit 3 and VT-132/Exit 2 75 mph 67 mph 7 m 8 m 67 mph 16 m 17 m 68 mph 68 mph 9 m I-89 SB between VT-132/Exit 2 and US-4/Exit 1 73 mph 71 mph 8 m 8 m I-89 NB between US-4/Exit 1 and VT-132/Exit 2 9 m 0 0 I-89 SB between US-4/Exit 1 and I-91 mph 70 mph 3 m I-89 NB between I-91 and US-4/Exit 1 68 mph 65 mph 3 m 0 3 m 3 m I-89 SB between I-91 and VT--NH STATE BORDER I-89 NB between VT--NH STATE BORDER and I-91 mph 63 mph 0 1 m 61 mph 59 mph 0 m 1 m UsingINRIX data UsingINRIX data Updated Sep 11, 2023 10:17 AM (3s ago Updated Sep 11, 2023 10:17 AM (3s ago)

| robe Data Analytics Suite | | | | | | | | We | fcome, TMC | My History | | | |
|--------------------------------------------------------------------|--------------|-----------------------|--------|--------------|-----------------------|-----------------|----------------------------------------------------------------|------------|--------------------------|------------|-------------|------------------------|-------|
| I-91 | | | | | | | Create PM3 report | Select a d | ashboard | | | | |
| 91 Southbound Canada to Exit 13 | | | | | | | I-91 Northbound Exit 13 to Canada | | | | | | |
| Corridor | | verage Spe | | Differential | Travel Tim Current | | Corridor | | Average Spe I Current | | | Travel Time Current | |
| -91 SB between United States/Canada Border and Caswell Ave/Exit 29 | | 6 mph | 11 mph | A 1 | 2 m | 1 m | I-91 NB between Caswell Ave/Exit 29 and CANUSA NATIONAL BORDER | | 5 mph | 32 mph | A 3 | 4 m | rno |
| -91 SB between Caswell Ave/Exit 29 and US-5/VT-105/Exit 28 | A 1 | 60 mph | | 0 | 5 m | 5 m | I-91 NB between US-5/VT-105/Exit 28 and Caswell Ave/Exit 29 | ₩ 3 | 63 mph | | A 1 | 5 m | |
| -91 SB between US-5/VT-105/Exit 28 and VT-191/Exit 27 | A 1 | 66 mph | 65 mph | 0 | 2 m | 2 m | I-91 NB between VT-191/Exit 27 and US-5/VT-105/Exit 28 | A 2 | 68 mph | 66 mph | . 0 | 2 m | |
| -91 SB between VT-191/Exit 27 and US-5/VT-58/Exit 26 | | 68 mph | 68 mph | 0 | 8 m | 8 m | I-91 NB between US-5/VT-58/Exit 26 and VT-191/Exit 27 | A 1 | 71 mph | | 0 | 7 m | |
| -91 SB between US-5/VT-58/Exit 26 and VT-16/Exit 25 | * 4 | 64 mph | 68 mph | 0 | 5 m | 5 m | I-91 NB between VT-16/Exit 25 and US-5/VT-58/Exit 26 | ₩ 3 | 67 mph | 70 mph | 0 | 5 m | |
| -91 SB between VT-16/Exit 25 and VT-122/Exit 24 | A 3 | 69 mph | 66 mph | 0 | 14 m | 14 m | I-91 NB between VT-122/Exit 24 and VT-16/Exit 25 | ¥ 4 | 64 mph | 68 mph | A 1 | 15 m | 1 |
| -91 SB between VT-122/Exit 24 and US-5/Exit 23 | A 7 | 70 mph | 63 mph | 0 | 3 m | 3 m | I-91 NB between US-5/Exit 23 and VT-122/Exit 24 | ₩ 3 | 65 mph | | . 0 | 3 m | 3 |
| -91 SB between US-5/Exit 23 and Hospital Dr/Exit 22 | A 2 | 67 mph | | 0 | 4 m | 4 m | I-91 NB between Hospital Dr/Exit 22 and US-5/Exit 23 | ₩ 4 | 66 mph | | 0 | 4 m | |
| -91 SB between Hospital Dr/Exit 22 and US-2/Exit 21 | ¥ 1 | | 67 mph | 0 | 2 m | 2 m | I-91 NB between US-2/Exit 21 and Hospital Dr/Exit 22 | A 3 | 70 mph | | 0 | 2 m | |
| -91 SB between US-2/Exit 21 and US-5/Exit 20 | # 3 | 62 mph | 65 mph | 0 | 2 m | 2 m | I-91 NB between US-5/Exit 20 and US-2/Exit 21 | A 2 | 67 mph | 65 mph | ψ 1 | 1 m | |
| -91 SB between US-5/Exit 20 and I-93/Exit 19 | ¥ 12 | 51 mph | 63 mph | 0 | 1 m | 1 m | I-91 NB between I-93/Exit 19 and US-5/Exit 20 | ₩ 2 | 63 mph | 65 mph | 0 | 1 m | |
| -91 SB between I-93/Exit 19 and US-5/Exit 18 | A 2 | 70 mph | 68 mph | 0 | 7 m | 7 m | I-91 NB between US-5/Exit 18 and I-93/Exit 19 | 0 | 68 mph | 68 mph | 0 | 7 m | |
| 91 SB between US-5/Exit 18 and US-302/Exit 17 | 4 1 | 69 mph | 68 mph | 0 | 9 m | 9 m | I-91 NB between US-302/Exit 17 and US-5/Exit 18 | 4 1 | 70 mph | 69 mph | 0 | 9 m | |
| -91 SB between US-302/Exit 17 and VT-25/Exit 16 | 4 4 | 71 mph | 67 mph | 0 | 11 m | 11 m | I-91 NB between VT-25/Exit 16 and US-302/Exit 17 | ∳ 5 | 68 mph | 73 mph | 0 | 11 m | |
| -91 SB between VT-25/Exit 16 and Lake Morey Rd/Exit 15 | 4 4 | 72. mph | 68 mph | 0 | 5 m | 5 m | I-91 NB between Lake Morey Rd/Exit 15 and VT-25/Exit 16 | ∳ s | 66 mph | 71 mph | 0 | 5 m | |
| -91 SB between Lake Morey Rd/Exit 15 and VT-113/Exit 14 | 4 8 | 76 mph | 68 mph | 0 | 6 m | 6 m | I-91 NB between VT-113/Exit 14 and Lake Morey Rd/Exit 15 | ψ 1 | 70 mph | 71 mph | 0 | 6 m | |
| -91 SB between VT-113/Exit 14 and US-5/Exit 13 | 4 5 | 73 mph | 68 mph | 0 | 8 m | 8 m | I-91 NB between US-5/Exit 13 and VT-113/Exit 14 | ψ 1 | 71 mph | 72 mph | 0 | 8 m | |
| singINRIX data | | | | Updated Sep | 5. 2023 2:0 | 06 PM (3s ago) | UsingINRIX data | | | | Updated Sep | 5, 2023 2:0 |)6 PN |
| 11 Southbound Exit 13 to MASS border | | | | | | | I-91 Northbound MASS border to Exit 13 | | | | | | |
| Corridor | Differential | verage Spe Current | | Differential | Travel Tim Current | e Historical | Corridor | | Average Spe I Current | | | Travel Time Current | |
| -91 SB between US-5/Exit 13 and Bugbee St/Exit 12 | 4 3 | 69 mph | 66 mph | 0 | 3 m | 3 m | I-91 NB between Bugbee St/Exit 12 and US-5/Exit 13 | 4 4 | 70 mph | | 0 | 4 m | |
| -91 SB between Bugbee St/Exit 12 and US-5/Exit 11 | ¥ 1 | 59 mph | 60 mph | 0 | 2 m | 2 m | I-91 NB between US-5/Exit 11 and Bugbee St/Exit 12 | A 3 | 65 mph | 62 mph | 0 | 2 m | |
| -91 SB between US-5/Exit 11 and I-89/Exit 10 | ₩ 3 | 52 mph | 55 mph | - | 0 m | - | I-91 NB between I-89/Exit 10 and US-5/Exit 11 | A 8 | 55 mph | 47 mph | | 0 m | |
| -91 SB between I-89/Exit 10 and I-89/Exit 10 | ₩ 2 | 56 mph | 58 mph | 0 | 2 m | 2 m | I-91 NB between I-89/Exit 10 and I-89/Exit 10 | 1 | 70 mph | 69 mph | 0 | 8 m | |
| -91 SB between I-89/Exit 10 and US-5/VT-12/Exit 9 | ¥ 1 | 68 mph | 69 mph | 0 | 8 m | 8 m | I-91 NB between US-5/VT-12/Exit 9 and I-89/Exit 10 | 0 | 70 mph | 70 mph | 0 | 8 m | |
| -91 SB between US-5/VT-12/Exit 9 and VT-131/Exit 8 | ¥ 1 | 68 mph | 69 mph | 0 | 8 m | 8 m | I-91 NB between VT-131/Exit 8 and US-5/VT-12/Exit 9 | 4 1 | 71 mph | 70 mph | 0 | 8 m | |
| -91 SB between VT-131/Exit 8 and US-5/VT-11/Exit 7 | ₩ 2 | 66 mph | 68 mph | 0 | 9 m | 9 m | I-91 NB between US-5/VT-11/Exit 7 and VT-131/Exit 8 | 4 4 | 73 mph | 69 mph | 0 | 8 m | |
| -91 SB between US-5/VT-11/Exit 7 and US-5/Exit 6 | 10 | 71 mph | 61 mph | 0 | 6 m | 6 m | I-91 NB between US-5/Exit 6 and US-5/VT-11/Exit 7 | + 7 | 73 mph | 66 mph | † 1 | 6 m | |
| -91 SB between US-5/Exit 6 and Back Westminster Rd/Exit 5 | 4 2 | 68 mph | 66 mph | 0 | 6 m | 6 m | I-91 NB between Back Westminster Rd/Exit 5 and US-5/Exit 6 | 6 | 75 mph | 69 mph | 0 | 5 m | |
| -91 SB between Back Westminster Rd/Exit 5 and US-5/Exit 4 | + 1 | 70 mph | 69 mph | 0 | 9 m | 9 m | I-91 NB between US-5/Exit 4 and Back Westminster Rd/Exit 5 | 4 5 | 76 mph | 71 mph | † 1 | 8 m | |
| 91 SB between US-5/Exit 4 and Chesterfield Rd/Exit 3 | 4 7 | 75 mph | 68 mph | † 1 | 5 m | 6 m | I-91 NB between Chesterfield Rd/Exit 3 and US-5/Exit 4 | 4 4 | 74 mph | 70 mph | † 1 | 5 m | |
| -91 SB between Chesterfield Rd/Exit 3 and VT-9/Exit 2 | <u></u> 5 | 70 mph | 65 mph | 0 | 2 m | 2 m | I-91 NB between VT-9/Exit 2 and Chesterfield Rd/Exit 3 | 0 | 68 mph | 68 mph | 0 | 2 m | |
| -91 SB between VT-9/Exit 2 and US-5/Exit 1 | 4 2 | 68 mph | 66 mph | 0 | 1 m | 1 m | I-91 NB between US-5/Exit 1 and VT-9/Exit 2 | 4 4 | 73 mph | 69 mph | 0 | 2 m | |
| -91 SB between US-5/Exit 1 and VTMA STATE BORDER | 4 5 | 73 mph | 68 mph | † 1 | 6 m | 7 m | I-91 NB between Vermont/Massachusetts St Line and US-5/Exit 1 | 0 | 70 mph | 70 mph | 0 | 6 m | |

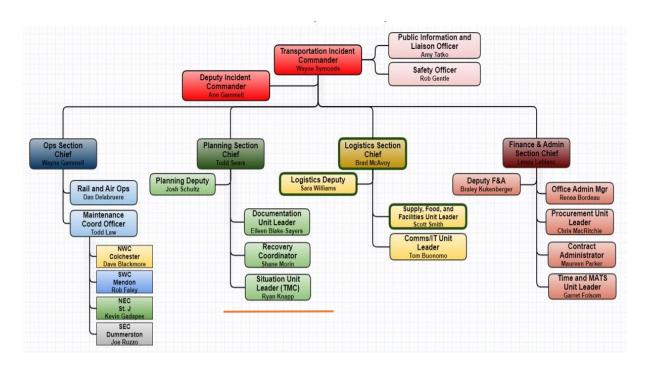




| Ritis | Transportation System Status | | Dat | a Archive | Personal Traffic | Alerts | | | |
|---------------|------------------------------|---------------------------|----------|----------------------------------|-----------------------|-------------------|----------------------|-----------------------------------------------------|--|
| Incident List | Traffic Map | | | | | | | | |
| State ▼ | Source | Location | | Type | Updated | Start Time | Lane Status | Event Details | |
| VT | Waze | TOB VIENOS | | Congestion Due to Closur | re 18 hrs 14 mins ago | 11/14/23 08:57 PM | | | |
| VT | Waze | FOSTER POND RD | | Congestion Due to Closu | re 5 hrs 42 mins ago | 12/01/23 03:00 AM | | | |
| VT | Waze | King St in Chittenden C | iounty | Congestion Due to Closu | re 18 hrs 14 mins ago | 07/21/23 03:00 PM | | | |
| VT | Waze | LINCOLN GAP RD | | Congestion Due to Closu | re 18 hrs 14 mins ago | 11/02/23 03:51 PM | | | |
| VT | Waze | 14 VI514 | | Congestion Due to Closu | re 18 hrs 14 mins ago | 12/11/23 10:36 AM | | | |
| VT | Waze | PAINE TPKE | | Congestion Due to Closu | re 5 hrs 42 mins ago | 08/07/23 04:49 PM | | | |
| VT | Waze | THETFORD RD | | Congestion Due to Closu | re 5 hrs 42 mins ago | 04/25/23 08:00 PM | | | |
| VT | Waze | CAMBRIDGE JUNCTIO | ON RD | Congestion Due to Closu | re 5 hrs 42 mins ago | 10/09/23 11:19 AM | | | |
| VT | Waze | RIVER RD | | Congestion Due to Closu | re 18 hrs 14 mins ago | 07/31/23 11:35 AM | | | |
| VT | VTrans | TZ VT-12 south @ MM 0.2 | 00 | Construction Work | 3 days ago | 12/04/23 07:00 AM | 2 of 5 lanes closed | TRAFFIC ALERT: VT-12 in Review kind month of | |
| VT | VTrans | 91) I-91 south @ MM 68.00 | 0 | Obstructions | 19 days ago | 11/2423 11:20 AM | 2 of 3 larnes closed | TRAFFIC ALERT: 101 SB in Hartford south of the | |
| VT | VTrans | 14 VT-14 south @ MM 3.7 | 00 | Construction Work | 23 days ago | 11/20/23 10:51 AM | 2 of 5 lanes closed | TRAFFIC ALERT: VT 14 Whorthery renlacement | |
| VT | VTrans | 65 VT-65 east @ MM 2.90 | 0 | ? Alert | 28 days ago | 11/15/23 07:00 AM | 2 of 3 tames closed | VT-65 over Sunset Lake the "Floating Bridge" is | |
| VT | VTrans | VT-110 north @ MM 4 | 900 | Bridge Maintenance Operations | 16 days ago | 11/13/23 07:00 AM | 2 of 5 lanes closed | TRAFFIC UPDATE: VT- 110 Tunbridge at bridge | |
| VT | VTrans | VT-4A east @ MM 1.70 | 0 | Construction Work | 1 mo 12 days ago | 11/08/23 07:00 AM | No tanes closed | Installation of a new lighting system within the | |
| | VTrans | Lincoln Gap Rd east @ | MM 6.000 | ♠ Alert | 1 mo 28 days ago | 10/16/23 07:00 AM | 2 of 3 lanes closed | TRAFFIC ALERT: The Lincoln Glan heteren | |

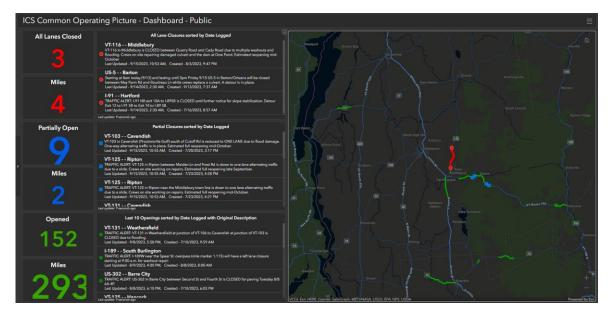


ICS Activations



- 1) Situation Unit Leader
- 2) TMC Operator(s)
- 3) GIS Professional
- 4) AOT $\leftarrow \rightarrow$ VEM/SEOC

Common Operating Picture (COP)



Questions



Transportation Management Center (TMC) 24/7/365

AOT.TMC@vermont.gov

Contact

Ryan Knapp, IT Section Chief

Ryan.Knapp@vermont.gov

(802) 498-8109

Ian Kilburn, TMC Supervisor

lan.Kilburn@vermont.gov

(802) 760-0901