

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

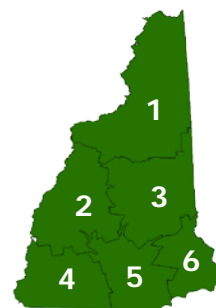
Transportation excellence enhancing the quality of life in New Hampshire.

Transportation Management Center's Mission

The Transportation Management Center's mission is to detect, verify, and respond to incidents that affect the state transportation network. It serves to improve traffic operations, provide the public with current, accurate and useful travel and commuter information that promotes safe and efficient travel, as well as facilitates the maintenance of New Hampshire's transportation system.

New Hampshire Transportation Management Center Coverage Areas by District

The State of New Hampshire is divided into six Districts and the New Hampshire Turnpike System comprising of approximately 9,266 lane miles.



Permanent ITS Equipment List

Closed-Circuit Television (CCTV) Cameras

CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.

2016 Total **2017 Total**

91 96



Dynamic Message Signs (DMS)

DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.

52 54
 16¹ 16¹
 20² 20²



¹ Additional DMS that TSMO uses during the winter season.

² TSMO is responsible for an additional ~20 DMS for the department.

Road Weather Information System (RWIS)

A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.

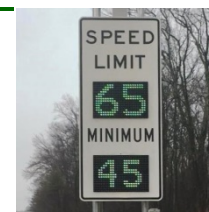
24 24



Variable Speed Limit Sign (VSL)

VSL are speed limits that change based on road, traffic, and weather conditions.

19 20



Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

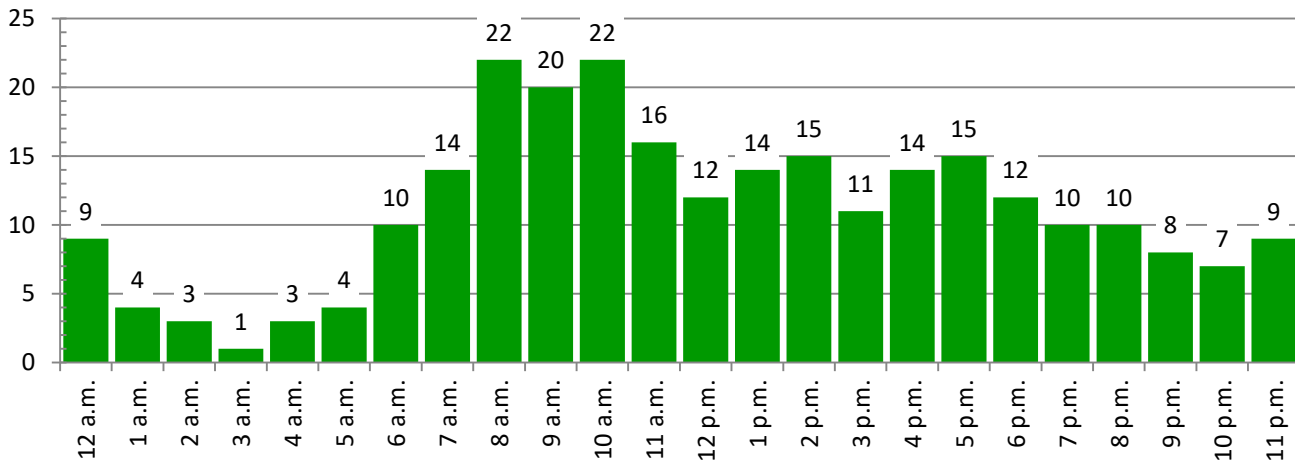
5 7



Summary

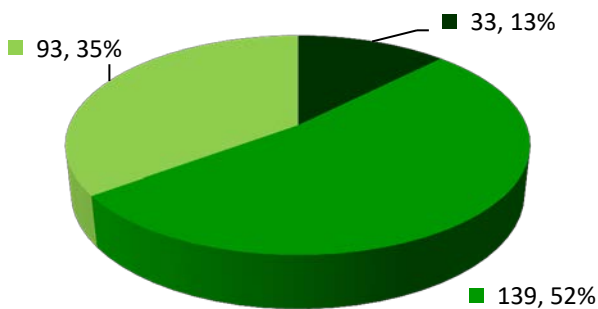
	Current Month	2018 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	265	265
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	77	77
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,659	2,659
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	89	89
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	8,619	8,619
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	3,206	3,206
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	3	3

Unplanned Incidents



Increased staffing within the TMC is necessary during normal business hours to better facilitate daily operations while also managing unplanned incidents. Incidents are tracked by the time at which the operators are notified of the start of the event.

Current Month - Incidents by Type



This graph shows the type of incident totals for the month.

Types of Incidents:

No Closure: No lane closures occurred during the incident.

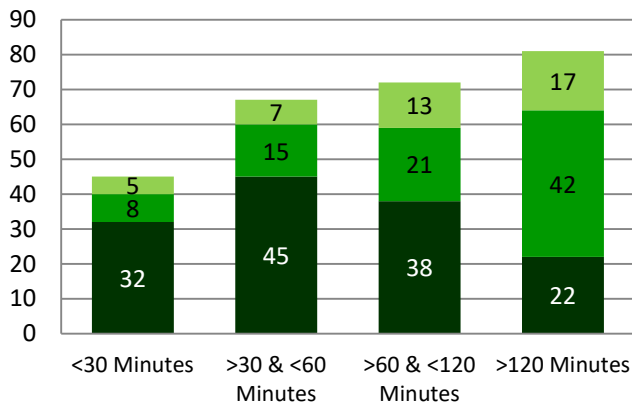
Partial Closure: Only a part of the roadway was closed.

Full Closure: All lanes were closed during the incident.

■ No Closure ■ Partial Closure ■ Full Closure

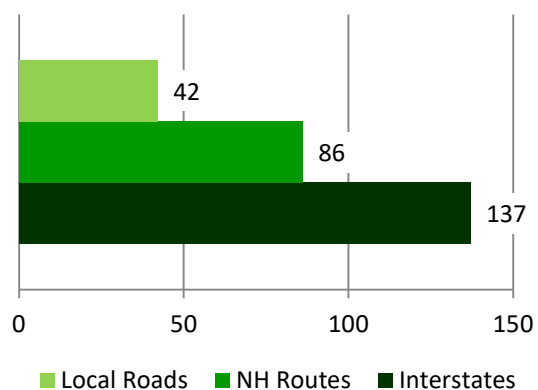
Current Month - Incident Duration

This graph shows the duration history of incidents.

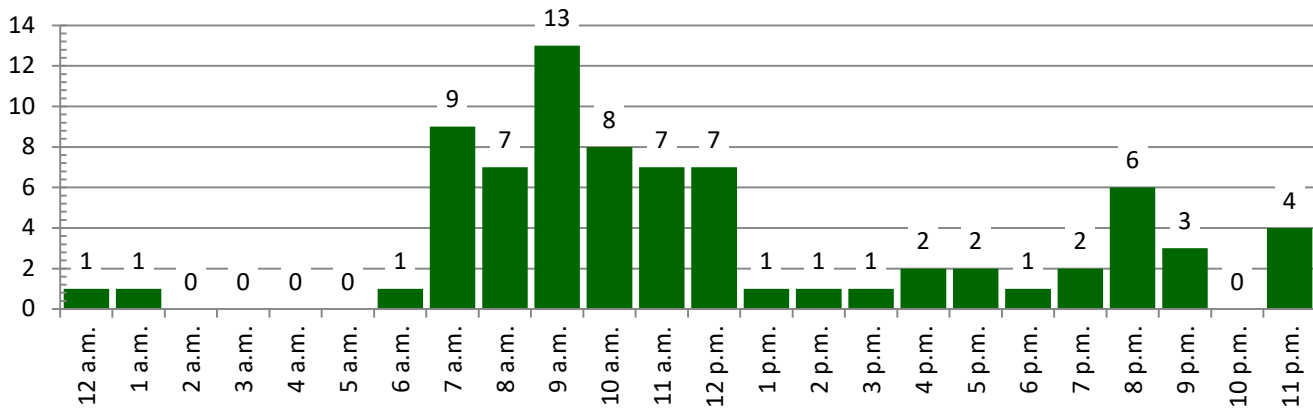


Current Month - Incident by Road

This graph shows which type of roadway the incidents occurred on.

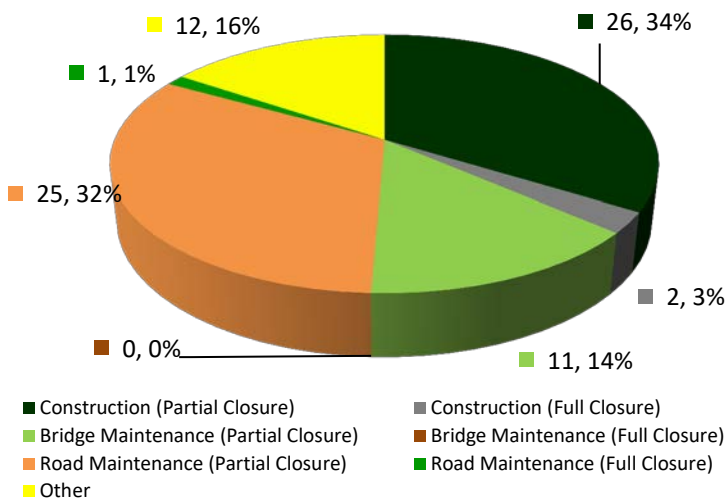


Planned Events



Additional staffing within the TMC is necessary during peak hours to meet the demands of daily planned operations. Planned Events are tracked by the time at which the operators are notified of the start of the event.

Current Month - Incidents by Type

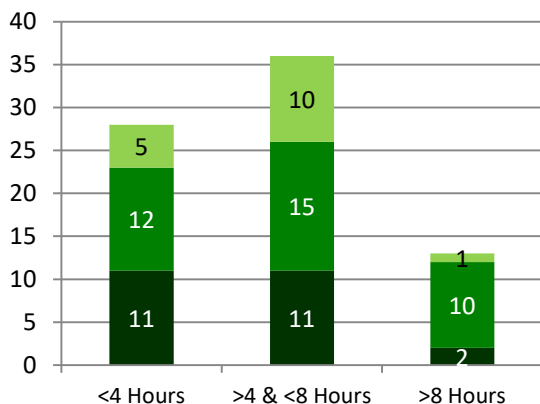


This graph shows the type of incident totals for the month.

Planned Events that impact the roadway, shoulder, or a ramp include events such as construction, bridge maintenance, or road maintenance. Each type will result in a partial closure or full closure.

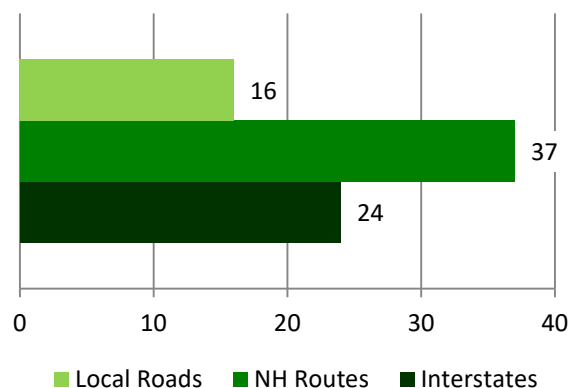
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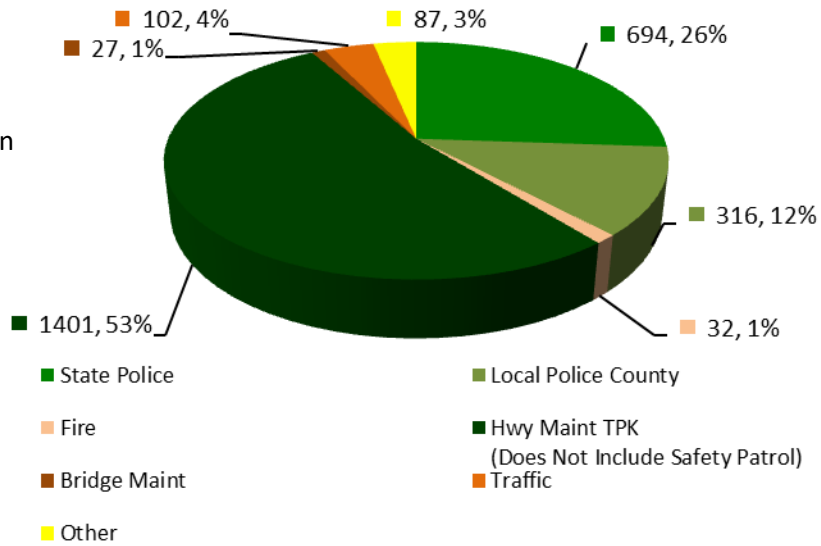
Current Month - Incident by Road

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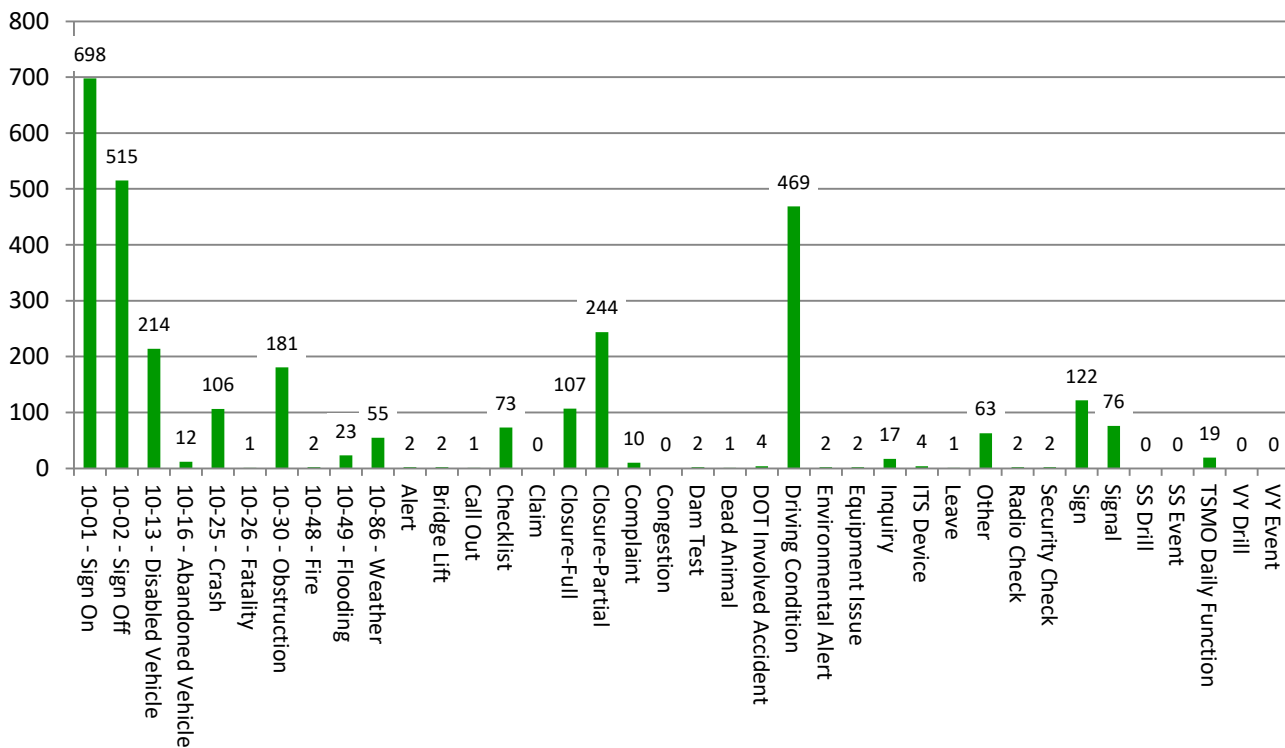
Current Month - Calls by Type

Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



Log Entries by Type

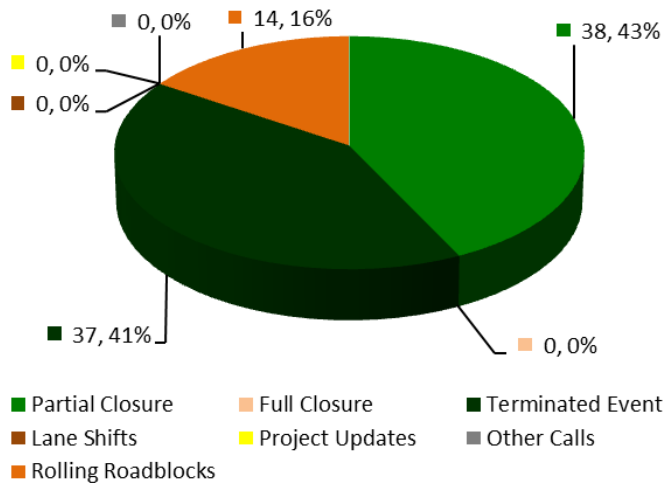
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

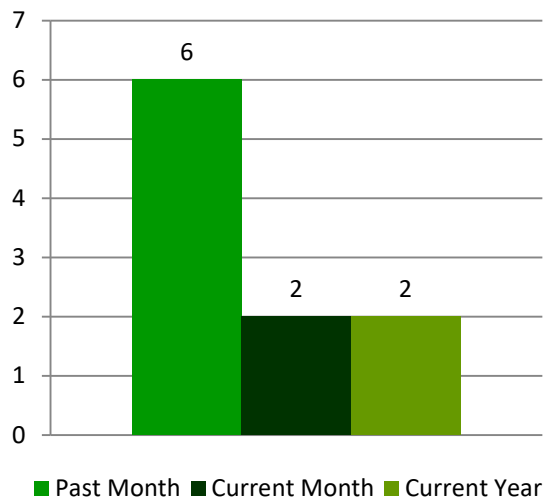
Current Month – Construction Calls

This graph shows the different types of construction related calls that dispatchers received.

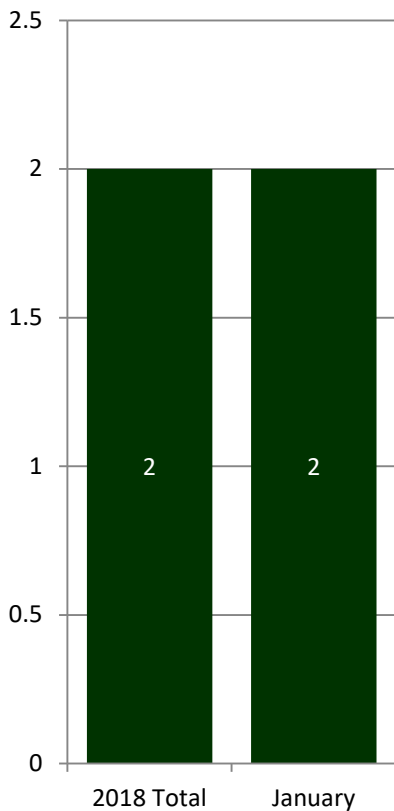


Incidents Occurring in Work Zones

This graph shows the total number of incidents reported on Work Zone Crash Reports from the Bureau of Construction.

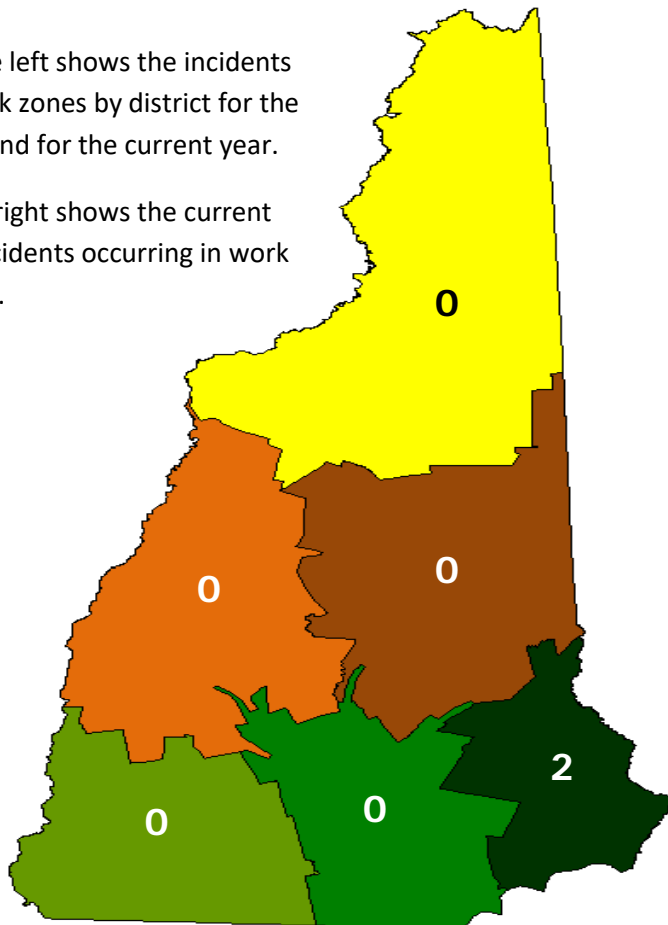


Incidents Occurring in Work Zones by Location



The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

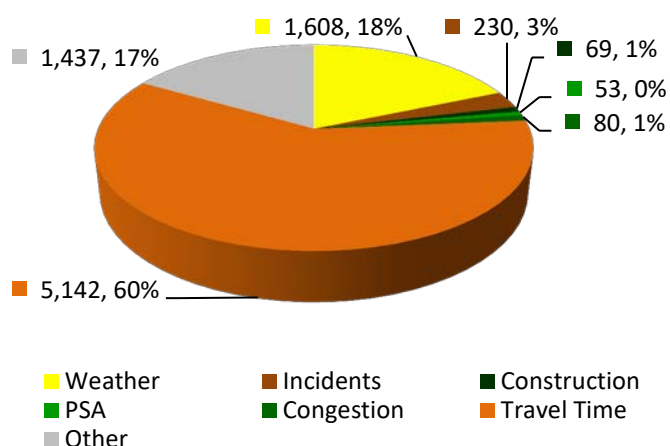
The map to the right shows the current year total for incidents occurring in work zones by district.



■ District 6
 ■ District 5
 ■ District 4
■ District 3
 ■ District 2
 ■ District 1

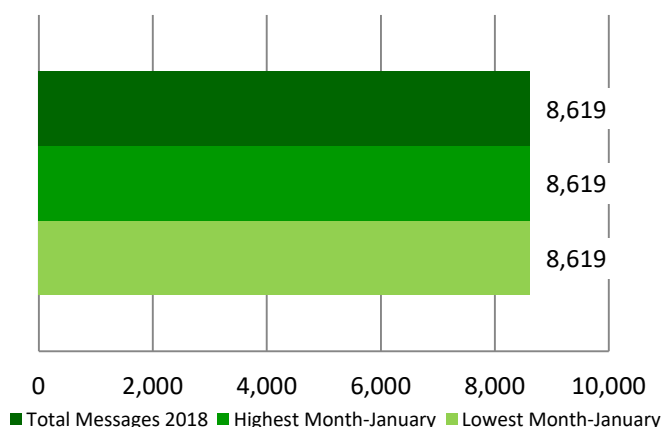
DMS Messages

Current Month - Messages by Type



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

Total Messages - 2017



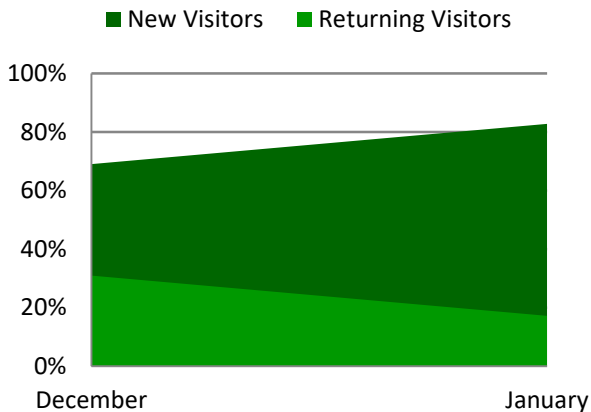
This graph shows the total messages that were posted to DMS for the year so far.

Current Month - Total Messages Posted by Board

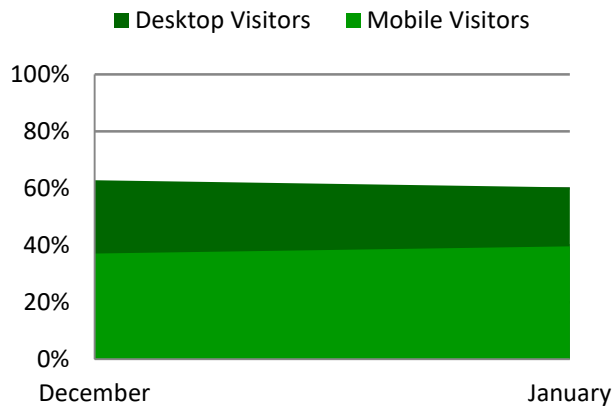
101 W 100.5 VSL D 5	34	93 N 0.3 VSL D 5	30	93S 32.4 FSVT	74
101 WM 100.5 VSL D 5	31	93 N 2.35 VSL D 5	30	93S 36.0 PSVT	70
101E 102 PSP5	23	93 N 3.8 VSL D5	30	93S 39.0 FSV5	76
101E 114.8 FSV6	162	93 N 6.6 VSL D5	29	93S 43.3 PSV5	22
101E 130 FSA6	182	93 NM 2.35 VSL D 5	30	93S 48.0 FSV5	36
101E 53.4 FSV5	50	93 NM 3.8 VSL D5	30	93S 68.8 FSV3	63
101W 102.6 FSV5	37	93 NM 6.6 VSL D5	30	93S 7.2 FSD5	204
101W 115 PSP5	23	93 S 19.8 VSL D 5	29	93S 85.4 FSV3	57
101W 128 PSV6	26	93 S 2.2 VSL D 5	30	93S 99.2 FSA3	38
293 S 1.4 VSL D 5	29	93 S 5.2 VSL D5	30	95N 0.4 FSVT	115
293N 8.8 FSPT	164	93 SM 19.8 VSL D 5	32	95N 3.0 FSDT	129
293S 1.4 FSD5	78	93 SM 2.2 VSL D 5	30	95S 15.4 FSDT	152
293S 4.8 FSVT	58	93 SM 5.2 VSL D5	30	95S 3.4 FSPT	15
393 W 1.9 PSV5	17	93N 0.3 FSD5	508	95S 7.6 FSDT	137
4E 92.4 FSS6	1	93N 16.0 VSL D5	30	FEE N 1.2 FSVT	425
4E 98 FSA6	55	93N 16.0 VSL D5 Median	29	FEE N 16.2 PSVT	37
89N 1.8 FSV5	146	93N 23.4 FSD5	255	FEE N 18.8 FSVT	51
89N 18.4 FSV5	219	93N 32.4 FSVT	73	FEE N 5.2 PSVT	91
89N 28.8 PSV2	48	93N 36.2 FSVT	60	FEE S 17.8 PSVT	44
89N 35.5 FSV2	46	93N 43.8 PSP5	33	FEE S 8.6 FSPT	37
89N 43.8 PSV2	40	93N 57.6 FSV3	61	ST N 1.0 FSAT	470
89N 55.0 PSV2	19	93N 7.2 FSD5	467	ST N 19.2 PSVT	42
89S 10.8 FSV5	185	93N 82.6 FSV3	52	ST S 11.6 FSA6	212
89S 3.4 FSV5	366	93N 99.6 FSA3	29	ST S 24.4 FSVT	303
89S 31.4 PSP5	31	93S 117.6 FSA1	20	ST S 3.4 FSDT	567
89S 42.6 PSP2	34	93S 122.2 FSV1	17	ST S 34.4 PSVT	40
89S 55.0 PSV2	20	93S 23.4 FSD5	440	ST S 7.8 FSAT	464
89S 57.5 PSV2	17	93S 27.8 FSDT	508	WA W 0.5 FSST	1

Current Month - NHTMC Website

New/Returning Visitors



Desktop/Mobile Visitors



This graph shows the ratio of new/ returning users that visited the NHTMC website. A new visitor is a user accessing the website for the first time. A returning visitor is a user who has accessed the website earlier.

This graph shows the ratio of desktop/mobile visitors that accessed the NHTMC website.



33,313 Twitter Followers

Who is Re-Tweeting Real Time Traffic Information?

- | | | | |
|---|--|---|--|
| <ul style="list-style-type: none"> The Highway Monitor NH 93 The Highway Monitor MA90 The Highway Monitor MA95 193NH Traffic Hey Did You Hear Safe Roads Alliance Right Now I/O Feed UEA Trip Notification National Emergency Alerts NE NewHampshireProblems WMUR Josh Judge WMUR Sean McDonald WMUR Rosa Valentin WMUR Jennifer Gannon WMUR Melinda Davenport WMUR Jim Foley WMUR | <ul style="list-style-type: none"> New Hampshire 1st News Megan Carpenter Fox 44/ABC 22 Rose Spillman YCN News SCG-TV 23 Salem Community TV WZID Susan Roantree WZID 93.3 The WOLF WOKQ975 99.1 Frank FM 1490 WEMJ-AM Radio Nashua CC OC Radio Portsmouth Union Leader.com Seacoastonline.com Londonderry News Tweet NH | <ul style="list-style-type: none"> Laconia NH Police Town of Peterborough Boston Special Officer Granite State Police The Mall at Fox Run Manchester Schools SAU #37 Concord NH Patch Record Enterprise Veterans Count Red Cross NH New Hampshire AFL-CIO Hampton Inn Concord NHGCD NH Finest Market Tweet Vermont Adopt a Highway Rockingham Alerts | <ul style="list-style-type: none"> Vista Vacations WeeksActLegacyTrail Motor City Lawrence Ma. City of Dover NH Middleton NH Police Valley News Commuter Boston EastWestExpress Transport NH NH Economy NHFamilyLiving.com NH Potholes Southern NH Emergency Alerts Live Incidents US J4 Traffic Action Page System |
|---|--|---|--|