



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

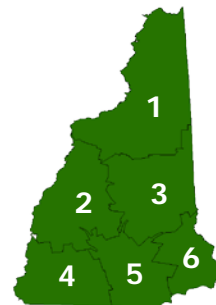
Transportation excellence enhancing the quality of life in New Hampshire.

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.



ITS Equipment List

Closed-Circuit Television (CCTV) Cameras

	2016 Total	2017 Total
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CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.

91	96
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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	52
16 ¹	16 ¹
20 ²	20 ²



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.

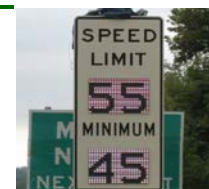
24	24
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Variable Speed Limit Sign (VSL)

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

19	20
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Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

5	5
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Summary

Unplanned Incidents	Current Month	2017 Total
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	121	1,363

Planned Incidents	Total Planned Incidents
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	383 2,344

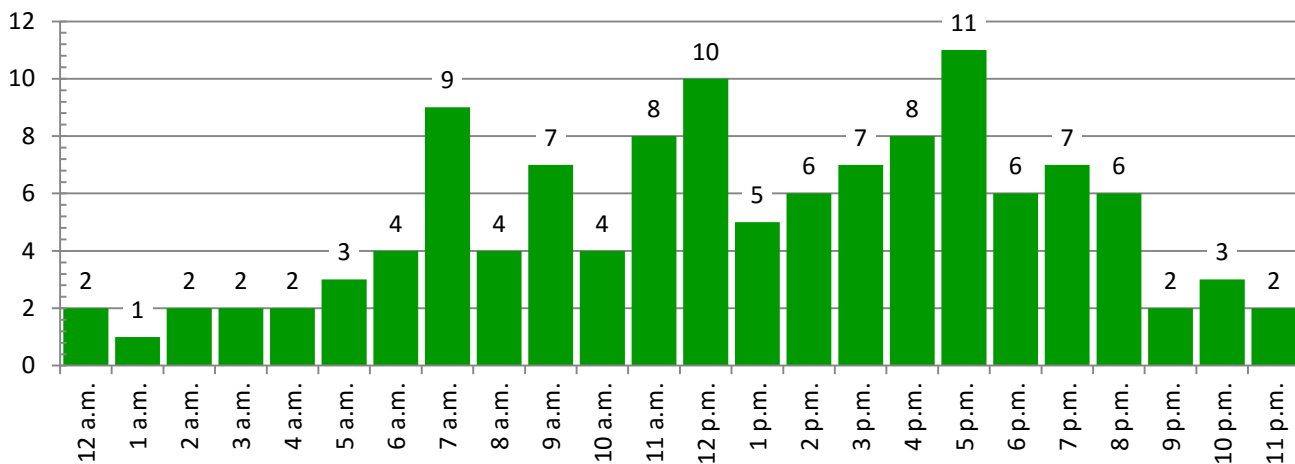
Communication	Total Calls
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	1,429 20,957

Work Zones Communication	Total Construction Calls
Construction related activities or communication that's outside of planned incidents.	583 4,539

DMS Messages	Total Messages
All changes to DMS are logged and reviewed.	13,555 116,435

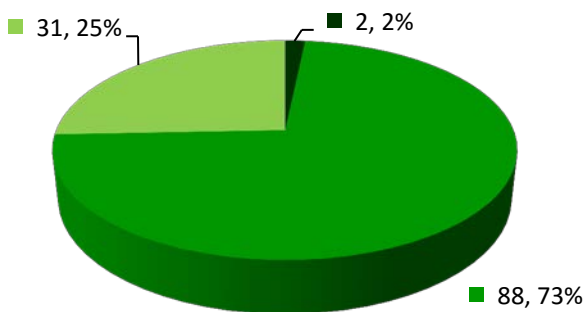
Public Outreach	Total NHTMC.com Webpage Users
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,295 21,310

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.

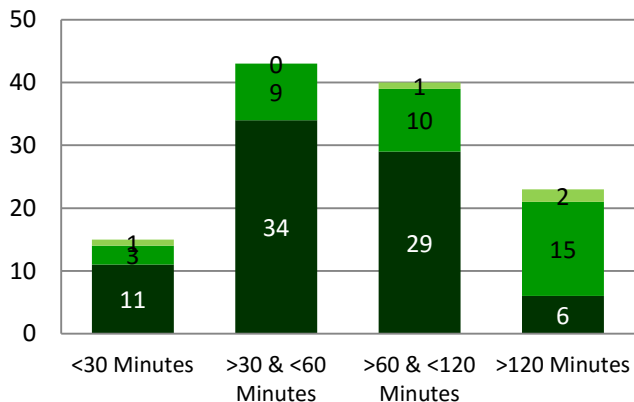
Partial Closure: Only a part of the roadway was closed.

Full Closure: All lanes were closed during the incident.

■ No Closure
 ■ Partial Closure
 ■ Full Closure

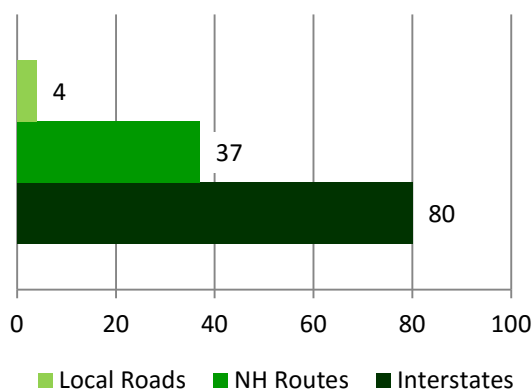
Current Month - Incident Duration

This graph shows the duration history of incidents.

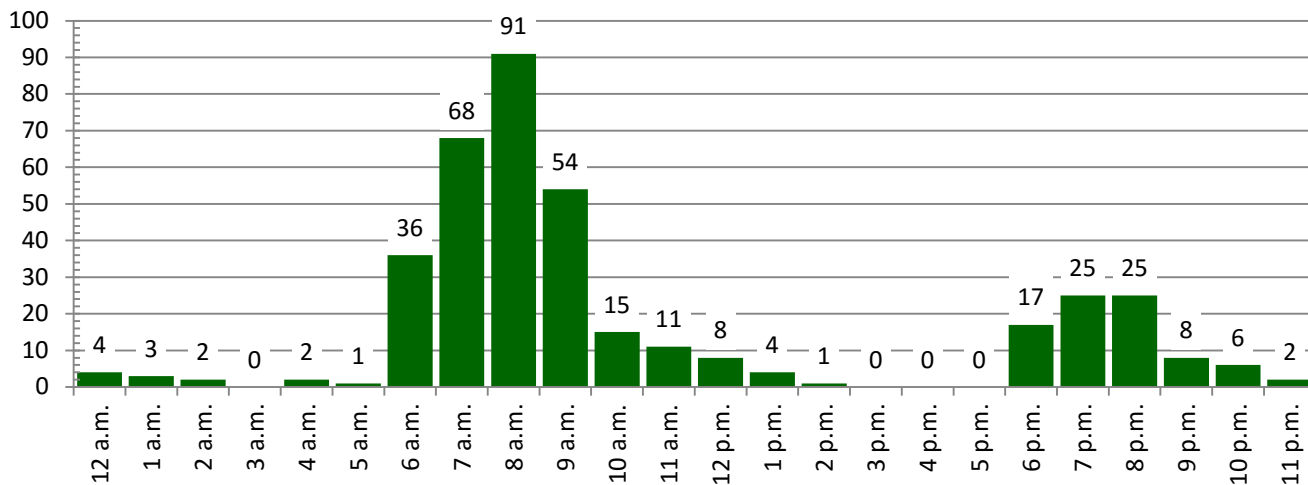


Current Month - Incident by Road

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

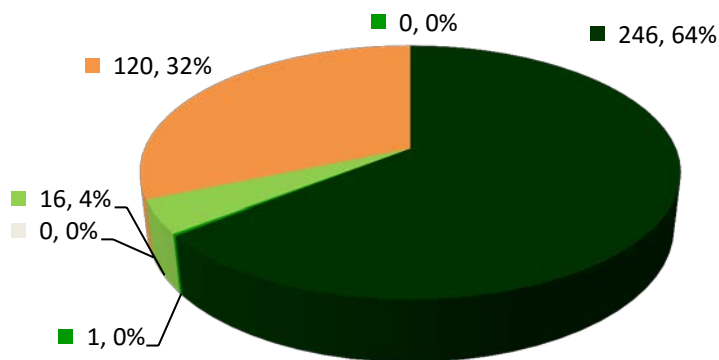


Planned Events



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



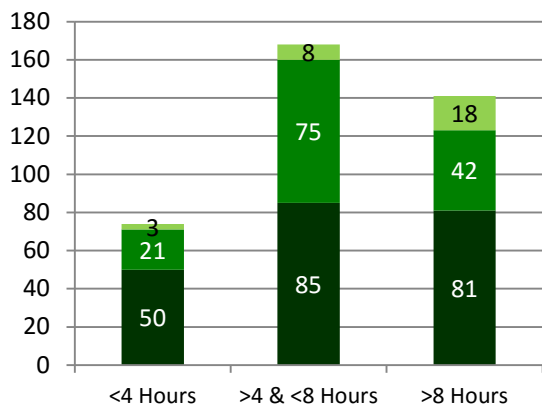
This graph shows the type of incident totals for the month.

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.

- Construction (Partial Closure)
- Construction (Full Closure)
- Bridge Maintenance (Partial Closure)
- Bridge Maintenance (Full Closure)
- Road Maintenance (Partial Closure)
- Road Maintenance (Full Closure)

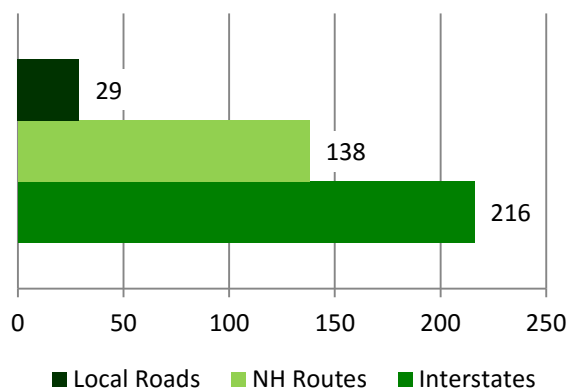
Current Month - Incident Duration

This graph shows the duration history of incidents.



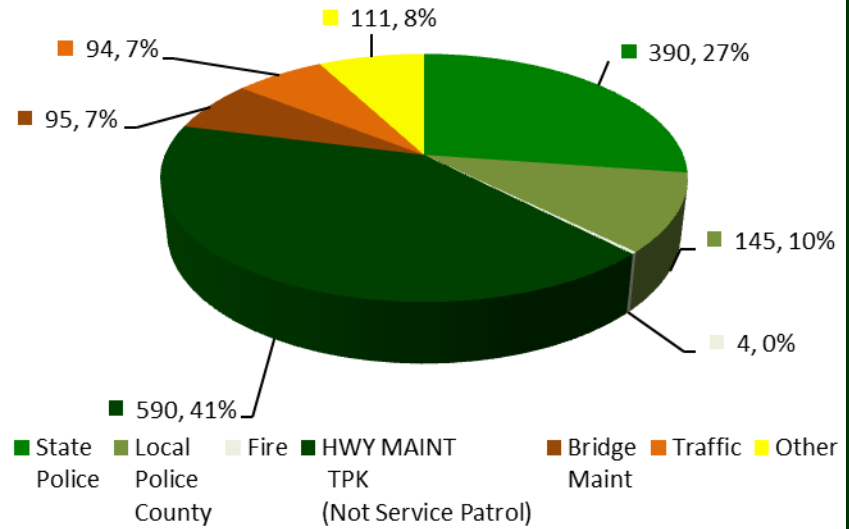
Current Month - Incident by Road

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



Current Month - Calls by Type

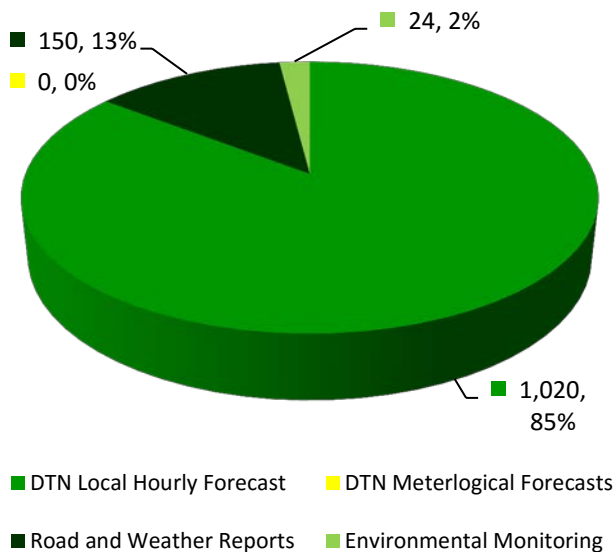
Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



Disseminated Weather Related Information

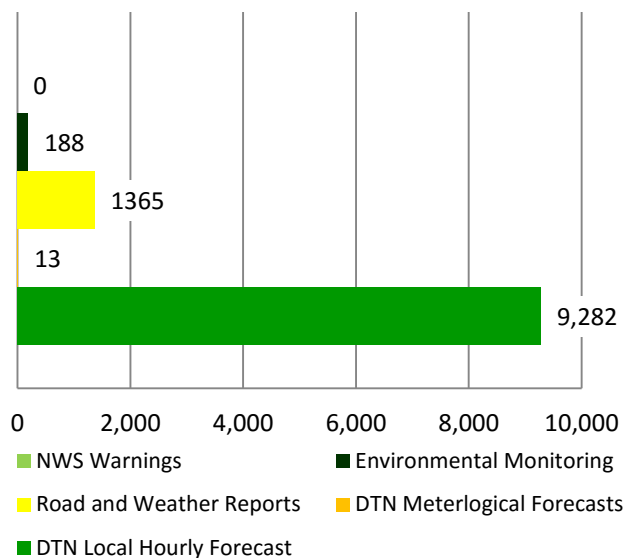
Current Month - By Type

This graph shows the type of weather related information that was disseminated to various other agencies.



2017 Totals

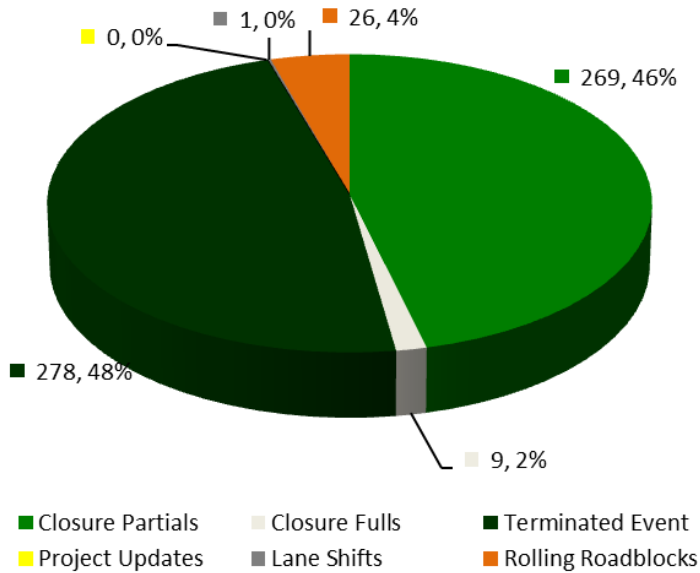
This graph shows the total weather related information that was disseminated for the year so far.



Work Zone Communication

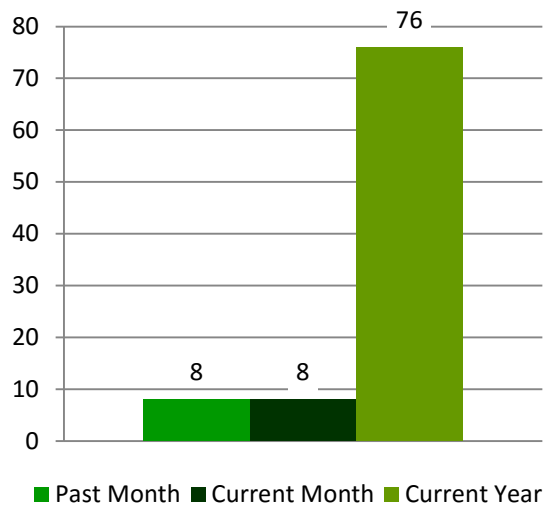
Current Month – Construction Calls

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

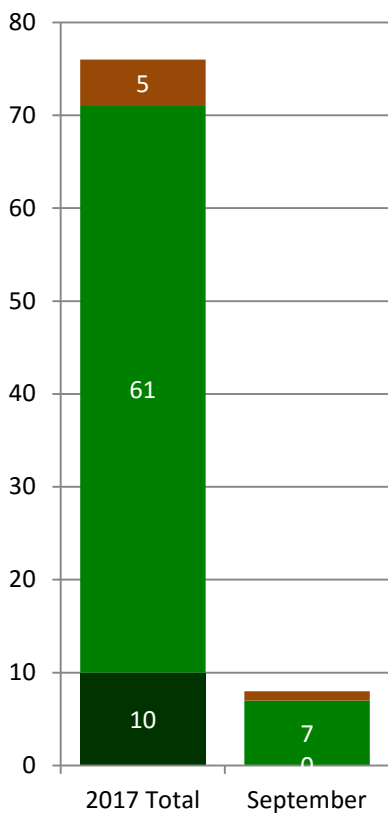


Incidents Occurring in Work Zones

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

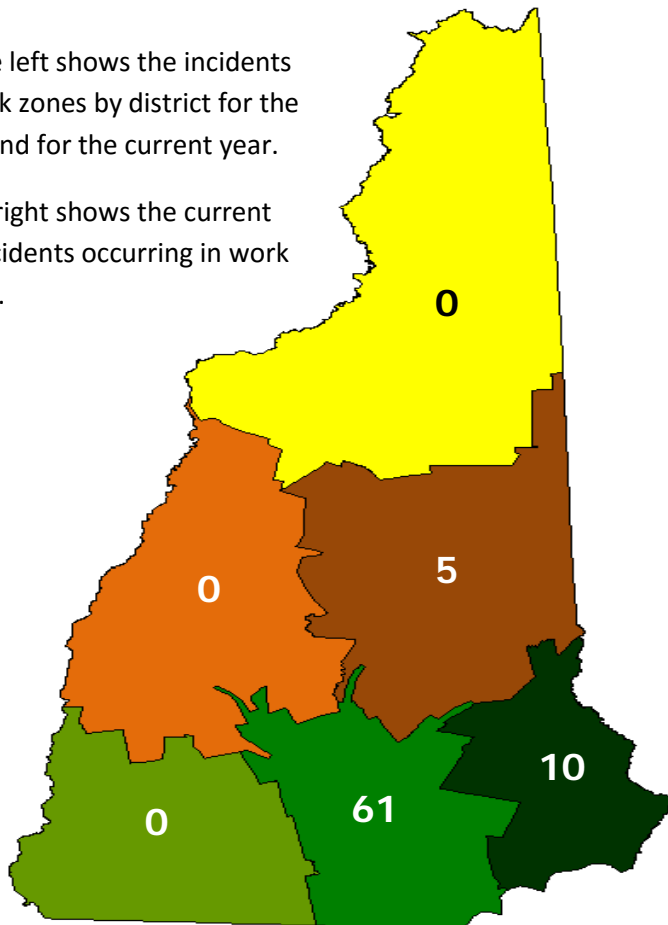


Incidents Occurring in Work Zones by Location



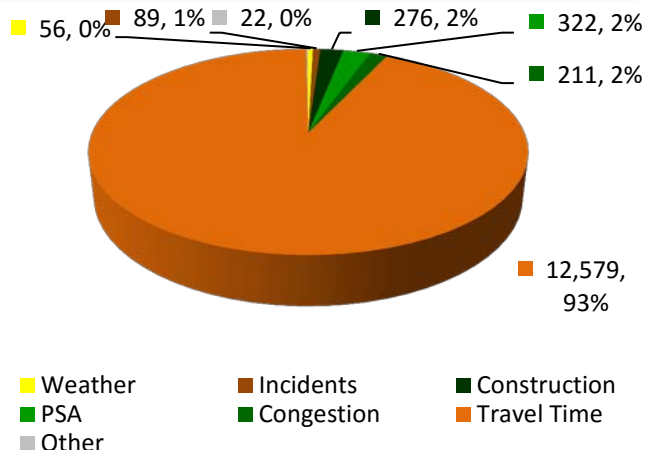
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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



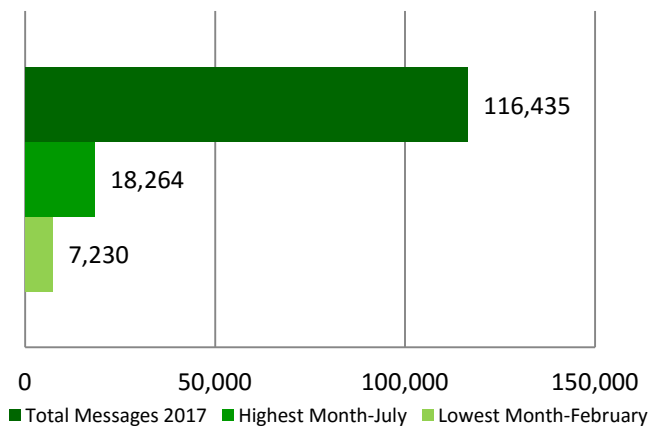
DMS Messages

Current Month - Messages by Type



This graph shows the type of message that was relayed to the public by being displayed on the dynamic message sign (DMS).

Total Messages - 2017



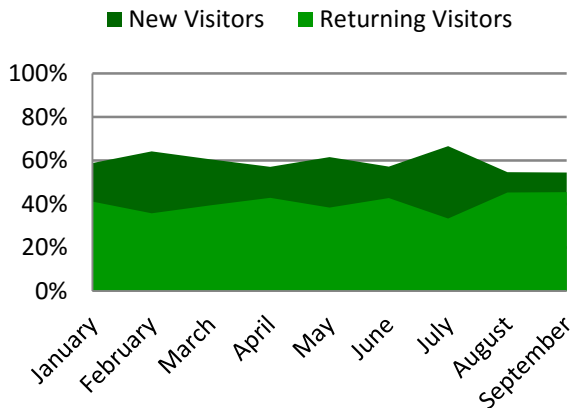
This graph shows the total messages that were posted to DMS for the year so far. It also shows the months with the lowest and highest messages that were posted.

Current Month - Total Messages Posted by Board

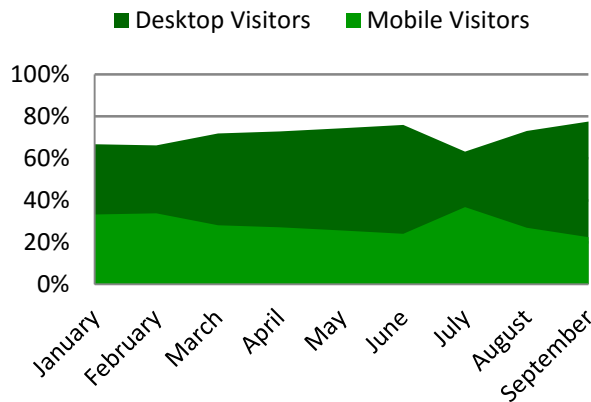
101 W 100.5 VSL D 5	0	93 N 3.8 VSL D5	0	93S 32.4 FSVT	20
101 WM 100.5 VSL D 5	0	93 N 6.6 VSL D5	0	93S 36.0 PSVT	0
101E 102 PSP5	0	93 NM 2.35 VSL D 5	0	93S 39.0 FSV5	29
101E 114.8 FSV6	105	93 NM 3.8 VSL D5	0	93S 48.0 FSV5	34
101E 130 FSA6	466	93 NM 6.6 VSL D5	0	93S 57.6 PSP5	0
101E 53.4 FSV5	11	93 S 19.8 VSL D 5	0	93S 68.8 FSV3	10
101W 102.6 FSV5	27	93 S 2.2 VSL D 5	0	93S 7.2 FSD5	173
101W 115PSP5	0	93 S 5.2 VSL D5	0	93S 85.4 FSV3	8
101W 128 PSV6	1	93 SM 19.8 VSL D 5	0	95N 0.4 FSVT	265
293 S 1.4 VSL D 5	0	93 SM 2.2 VSL D 5	0	95N 10.6 FSVT	0
293N 8.8 FSPT	403	93 SM 5.2 VSL D5	0	95N 13.0 FSVT	20
293S 1.4 FSD5	64	93N 0.3 FSD5	923	95N 14.8 FSDT	39
293S 4.8 FSVT	5	93N 16.0 VSL D5	0	95N 3.0 FSDT	260
4E 98 FSA6	18	93N 16.0 VSL D5 Median	0	95S 15.4 FSDT	201
89N 1.8 FSV5	115	93N 23.4 FSD5	502	95S 3.4 FSPT	5
89N 18.4 FSV5	158	93N 32.4 FSVT	29	95S 7.6 FSDT	152
89N 28.8 PSV2	0	93N 36.2 FSVT	23	FEE N 1.2 FSVT	782
89N 35.5 FSV2	11	93N 43.8 PSP5	0	FEE N 16.2 PSVT	0
89N 43.8 PSV2	0	93N 57.6 FSV3	9	FEE N 18.8 FSVT	10
89N 55.0 PSV2 - Sensor	2	93N 7.2 FSD5	796	FEE N 5.2 PSVT	0
89S 10.8 FSV5	158	93N 82.6 FSV3	8	FEE S 17.8 PSVT	0
89S 3.4 FSV5	440	93N 99.6 FSA3	22	FEE S 8.6 FSPT	7
89S 31.4 PSP5	0	93S 117.6 FSA1	14	ST N 1.0 FSAT	682
89S 42.6 PSP2	0	93S 122.2 FSV1	2	ST N 19.2 PSVT	0
89S 55.0 PSV2	2	93S 14.4 VSL D5	0	ST S 11.6 FSA6	194
89S 57.5 PSV2 - Sensor	0	93S 14.4 VSL D5 Median	0	ST S 3.4 FSDT	2490
93 N 0.3 VSL D 5	0	93S 23.4 FSD5	616	ST S 34.4 PSVT	0
93 N 2.35 VSL D 5	0	93S 27.8 FSDT	1399	ST S 7.8 FSAT	1798

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.



31,659 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 1 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 |
|---|--|---|--|