



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

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

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.

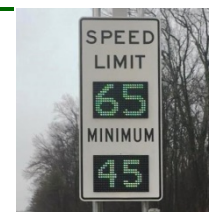
24 24



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 5



Summary

Unplanned Incidents	Current Month	2017 Total
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	211	1,884

Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	126	3,122

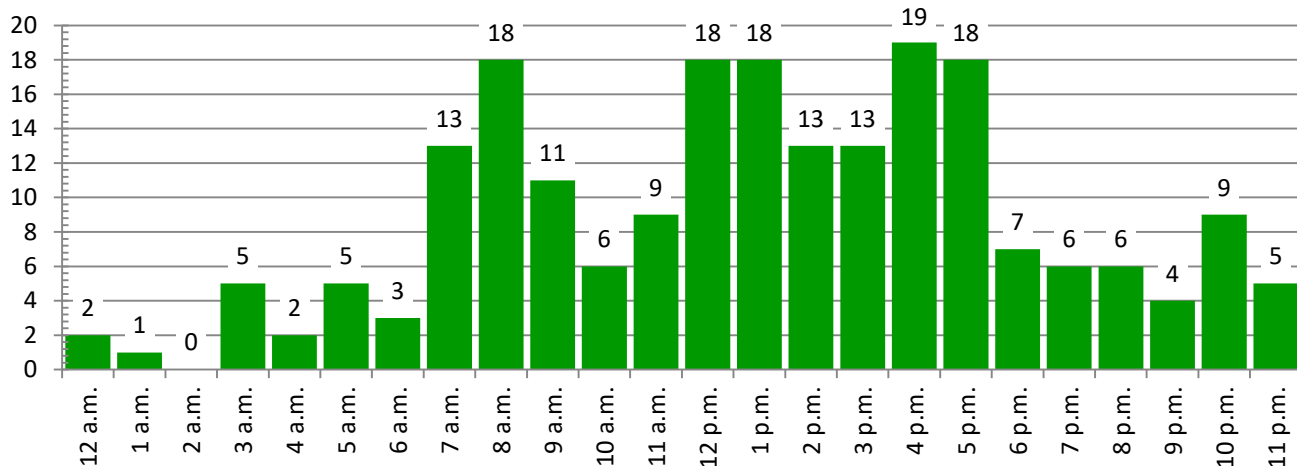
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,369	27,864

Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	229	5,908

DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	11,343	154,221

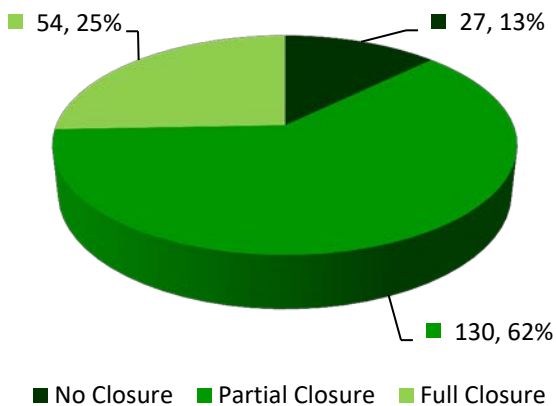
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	3,798	30,878

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



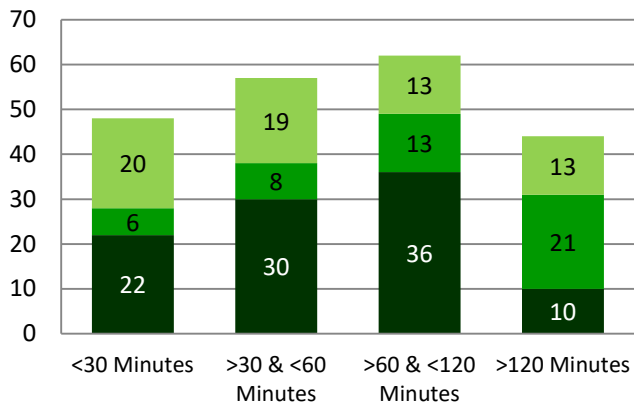
This graph shows the type of incident totals for the month.

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.

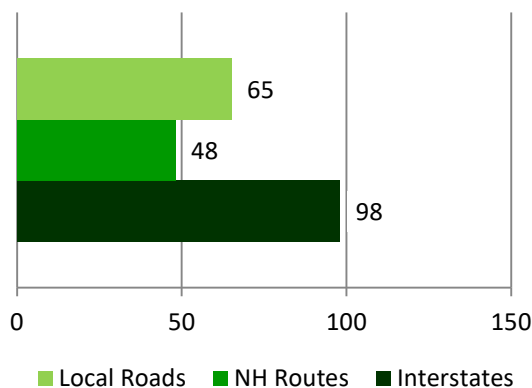
Current Month - Incident Duration

This graph shows the duration history of incidents.

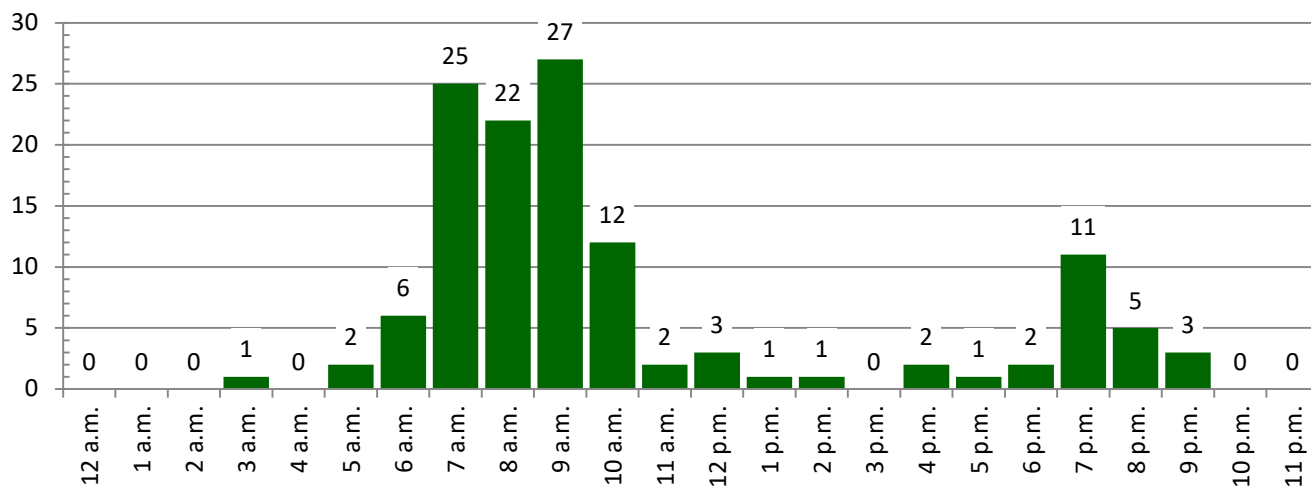


Current Month - Incident by Road

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

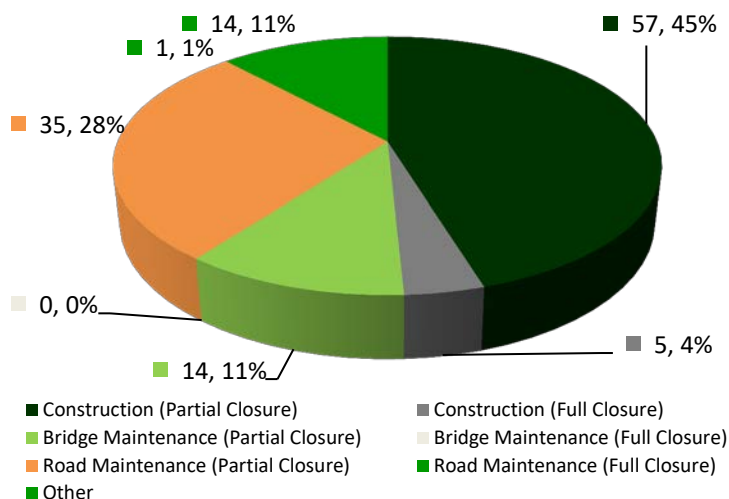


Planned Events



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

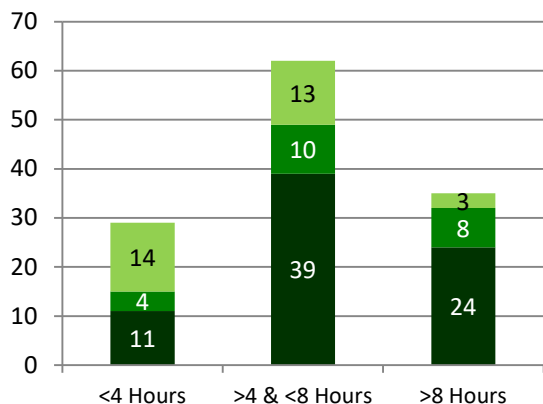


This graph shows the type of incident totals for the month.

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.

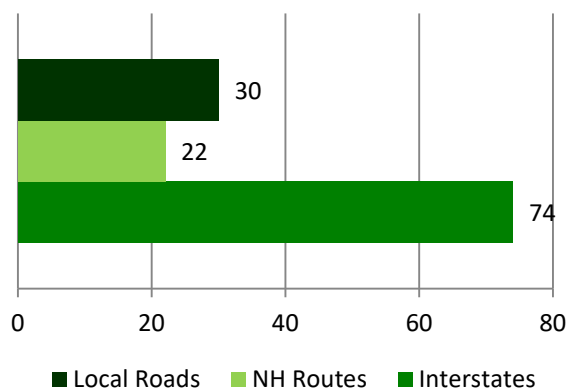
Current Month - Incident Duration

This graph shows the duration history of incidents.



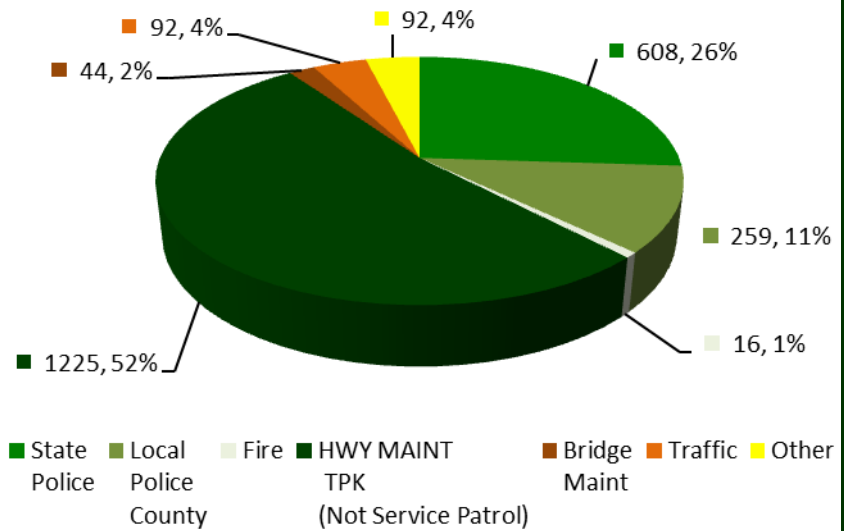
Current Month - Incident by Road

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



Current Month - Calls by Type

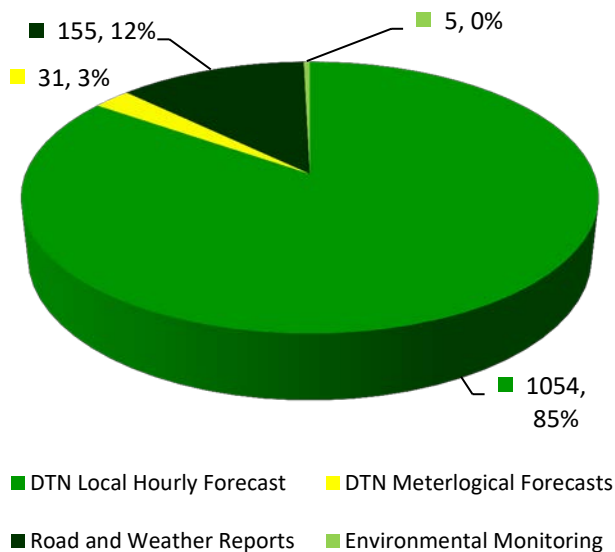
Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



Disseminated Weather Related Information

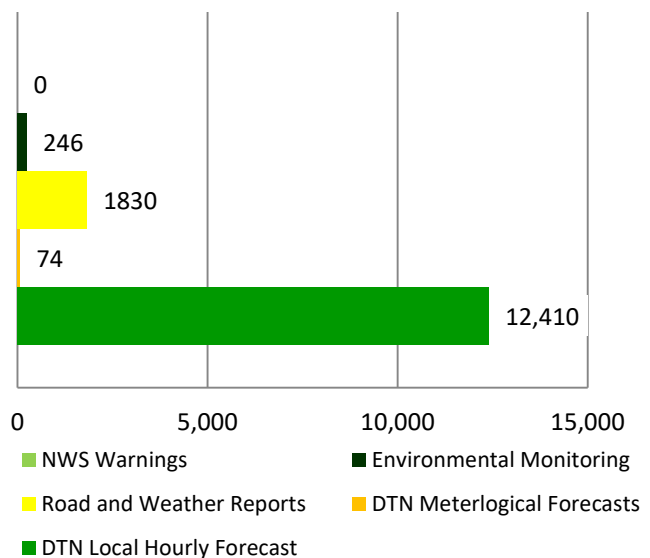
Current Month - By Type

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



2017 Totals

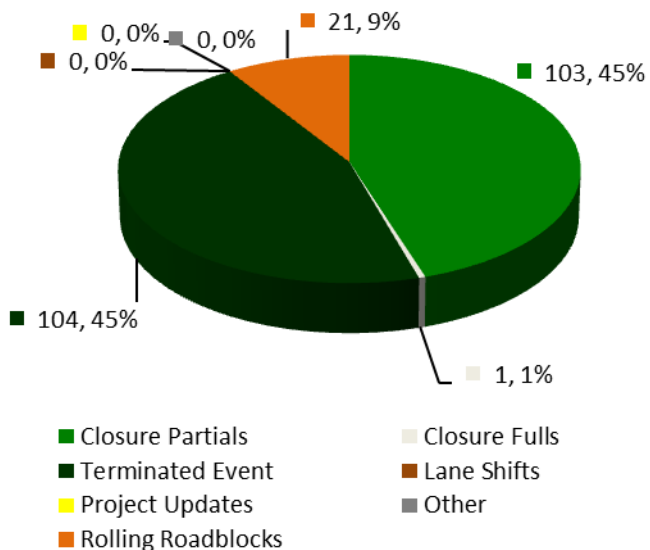
This graph shows the total weather related information that was disseminated for the year so far.



Work Zone Communication

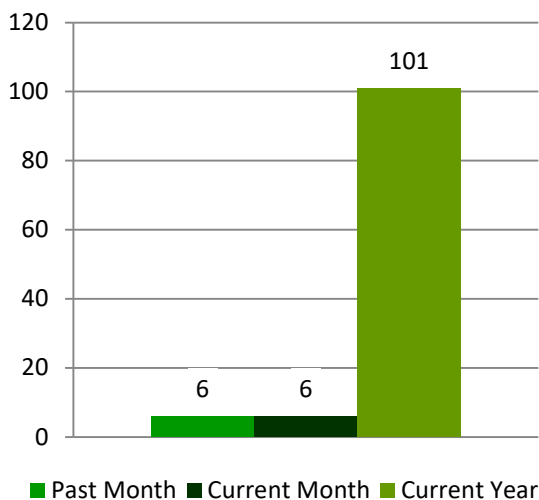
Current Month – Construction Calls

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

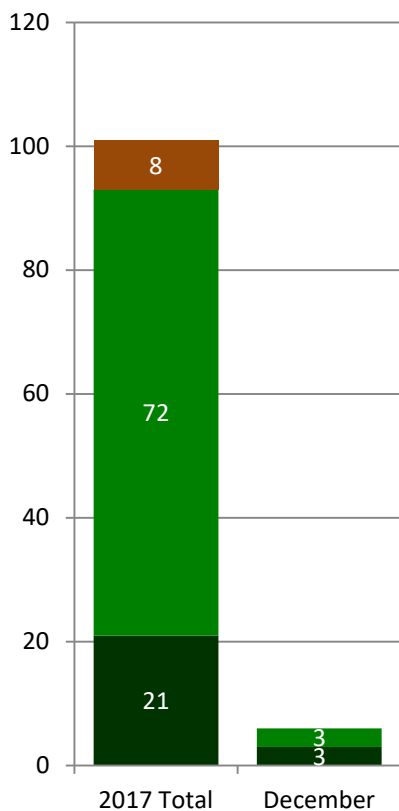


Incidents Occurring in Work Zones

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

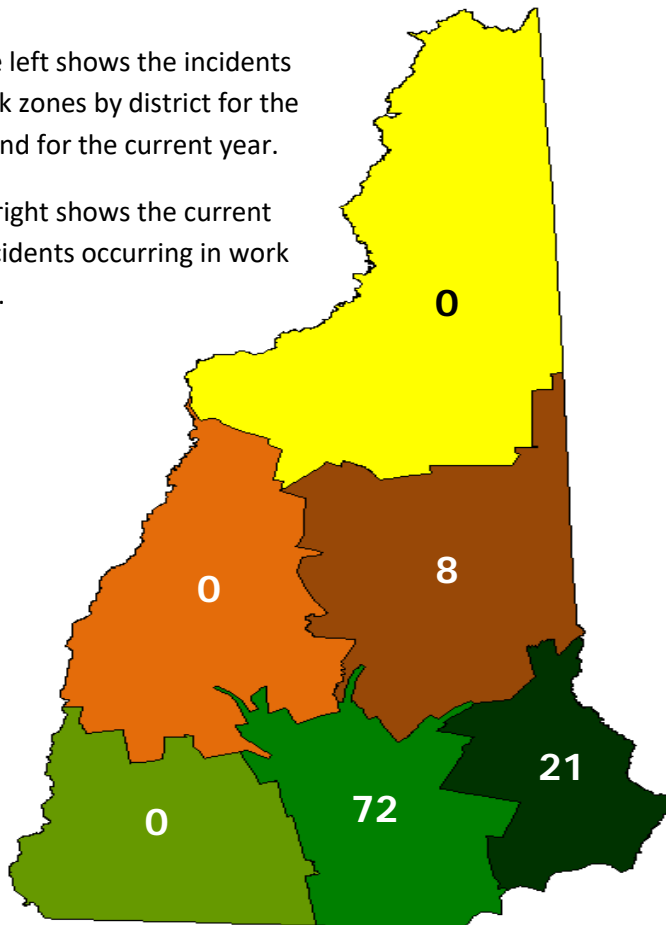


Incidents Occurring in Work Zones by Location



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

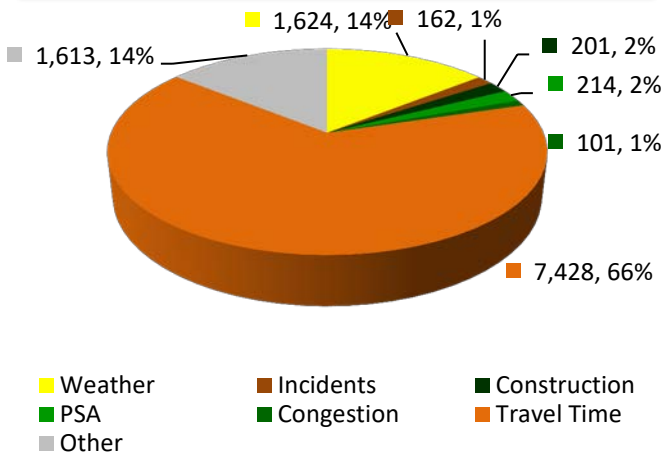
The map to the right shows the current year total for incidents occurring in work zones by district.



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

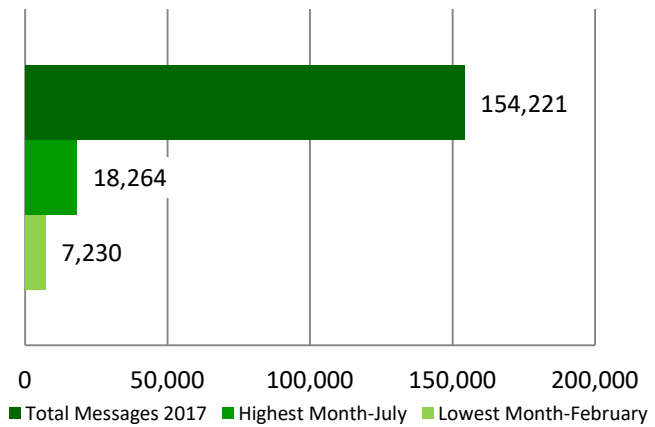
DMS Messages

Current Month - Messages by Type



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

Total Messages - 2017



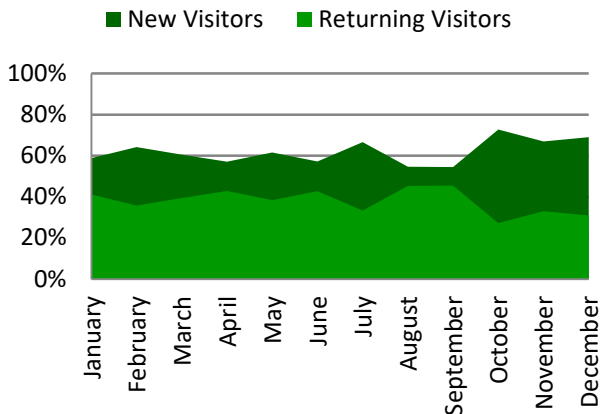
This graph shows the total messages that were posted to DMS for the year so far. It also shows the months with the lowest and highest messages that were posted.

Current Month - Total Messages Posted by Board

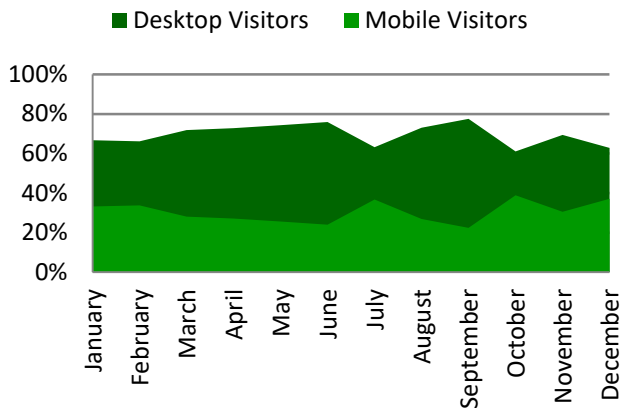
101 W 100.5 VSL D 5	27	93 N 2.35 VSL D 5	23	93S 36.0 PSVT	50
101 WM 100.5 VSL D 5	29	93 N 3.8 VSL D5	29	93S 39.0 FSV5	86
101E 102 PSP5	39	93 N 6.6 VSL D5	29	93S 43.3 PSV5	9
101E 114.8 FSV6	141	93 NM 2.35 VSL D 5	29	93S 48.0 FSV5	69
101E 130 FSA6	206	93 NM 3.8 VSL D5	29	93S 68.8 FSV3	64
101E 53.4 FSV5	64	93 NM 6.6 VSL D5	30	93S 7.2 FSD5	156
101W 102.6 FSV5	47	93 S 19.8 VSL D 5	30	93S 85.4 FSV3	66
101W 115 PSP5	24	93 S 2.2 VSL D 5	29	93S 99.2 FSA3	46
101W 128 PSV6	34	93 S 5.2 VSL D5	29	95N 0.4 FSVT	152
293 S 1.4 VSL D 5	29	93 SM 19.8 VSL D 5	31	95N 13.0 FSVT	49
293N 8.8 FSPT	191	93 SM 2.2 VSL D 5	31	95N 14.8 FSDT	50
293S 1.4 FSD5	142	93 SM 5.2 VSL D5	29	95N 3.0 FSDT	145
293S 4.8 FSVT	58	93N 0.3 FSD5	603	95S 15.4 FSDT	142
393 W 1.9 PSV5	13	93N 16.0 VSL D5	26	95S 3.4 FSPT	25
4E 98 FSA6	44	93N 16.0 VSL D5 Median	20	95S 7.6 FSDT	127
89N 1.8 FSV5	183	93N 23.4 FSD5	272	FEE N 1.2 FSVT	564
89N 18.4 FSV5	198	93N 32.4 FSVT	72	FEE N 16.2 PSVT	57
89N 28.8 PSV2	71	93N 36.2 FSVT	64	FEE N 18.8 FSVT	64
89N 35.5 FSV2	68	93N 43.8 PSP5	43	FEE N 5.2 PSVT	64
89N 43.8 PSV2	74	93N 57.6 FSV3	73	FEE S 17.8 PSVT	59
89N 55.0 PSV2	21	93N 7.2 FSD5	476	FEE S 8.6 FSPT	39
89S 10.8 FSV5	164	93N 82.6 FSV3	63	ST N 1.0 FSAT	549
89S 3.4 FSV5	319	93N 99.6 FSA3	37	ST N 19.2 PSVT	35
89S 31.4 PSP5	29	93S 117.6 FSA1	26	ST S 11.6 FSA6	226
89S 42.6 PSP2	35	93S 122.2 FSV1	27	ST S 24.4 FSVT	289
89S 55.0 PSV2	42	93S 23.4 FSD5	410	ST S 3.4 FSDT	1,558
89S 57.5 PSV2	16	93S 27.8 FSDT	835	ST S 34.4 PSVT	32
93 N 0.3 VSL D 5	30	93S 32.4 FSVT	54	ST S 7.8 FSAT	1,293

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.



32,822 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 |
|---|--|---|--|