

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

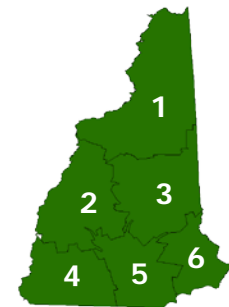
NH Department of Transportation's Mission

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	2017 Total	2018 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 97



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 56
 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.

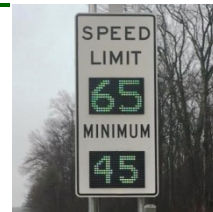
24 24



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.	197	462

	Current Month	2018 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	172	249

	Current Month	2018 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,439	5,098

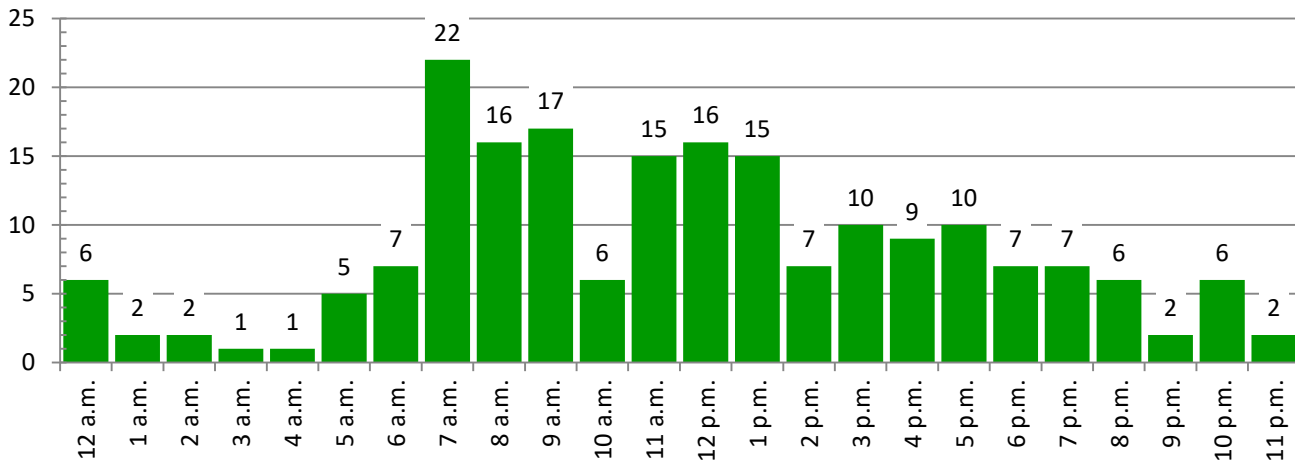
	Current Month	2018 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	123	212

	Current Month	2018 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	9,508	18,127

	Current Month	2018 Total
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,899	5,105

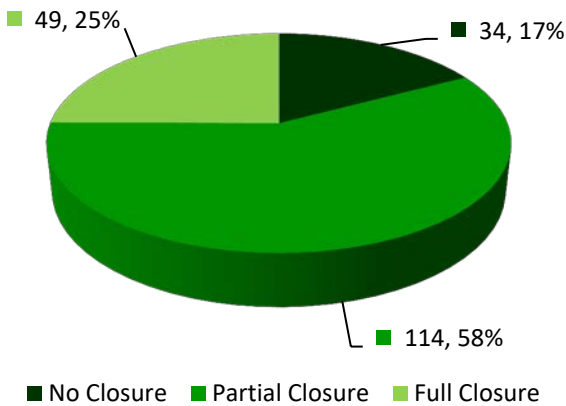
	Current Month	2018 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	1	4

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:

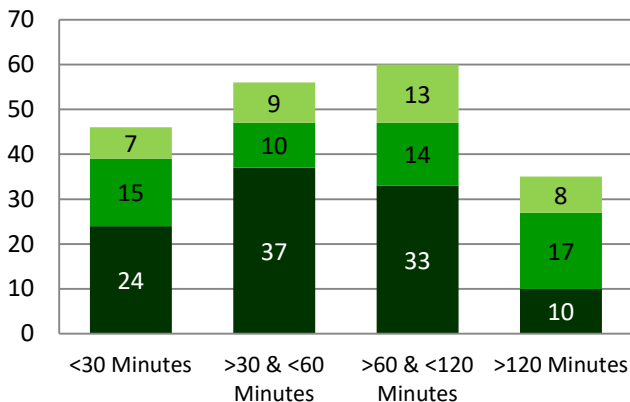
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

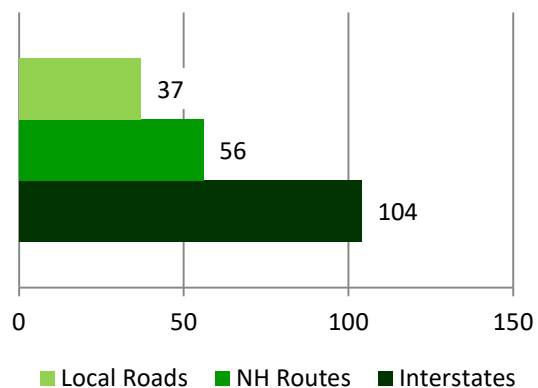
Current Month - Incident Duration

This graph shows the duration history of incidents.

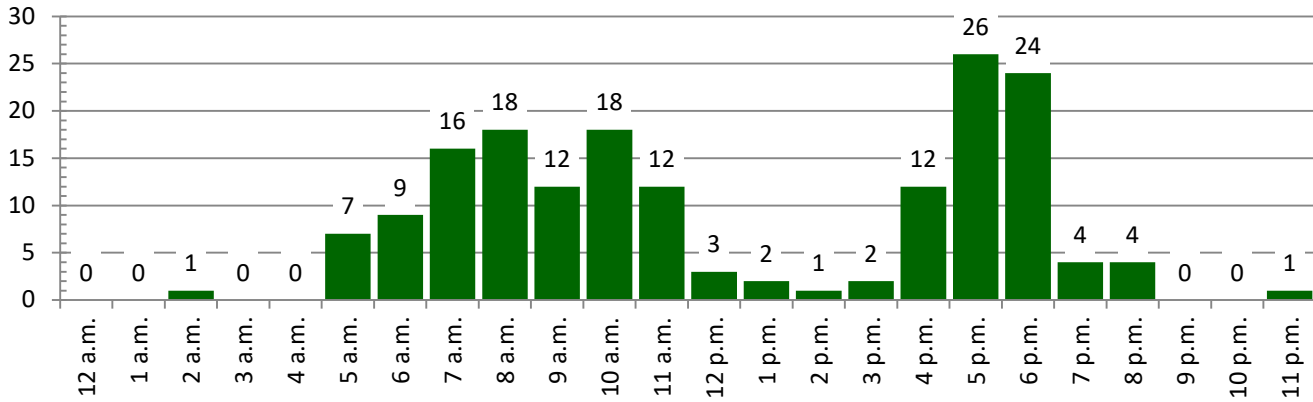


Current Month - Incident by Road

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

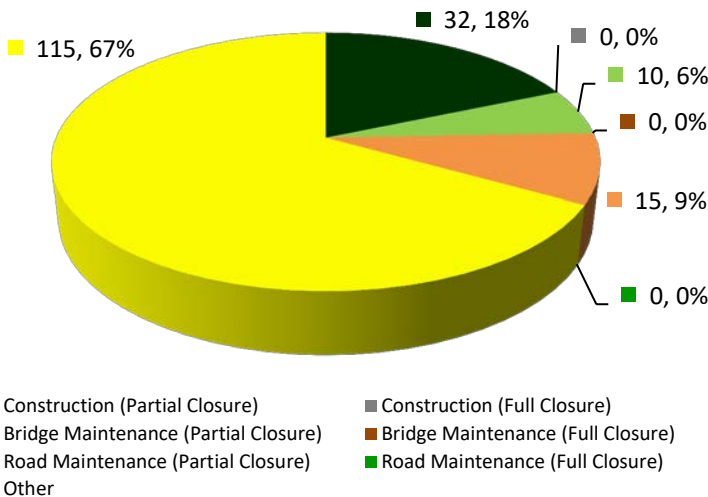


Planned Events



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

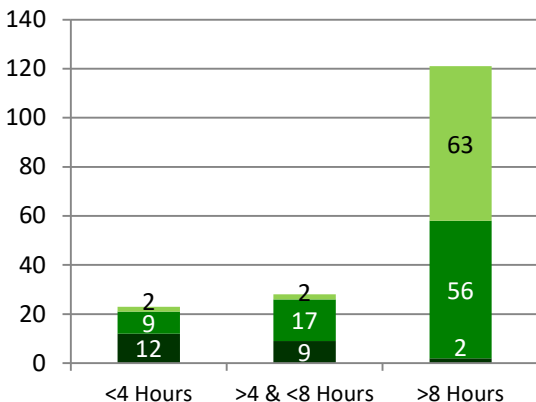


This graph shows the type of incident totals for the month.

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

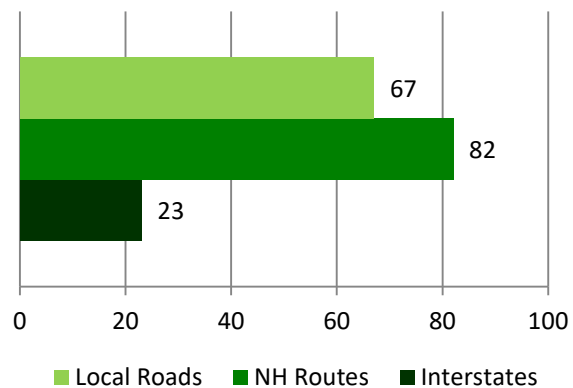
Current Month - Incident Duration

This graph shows the duration history of incidents.



Current Month - Incident by Road

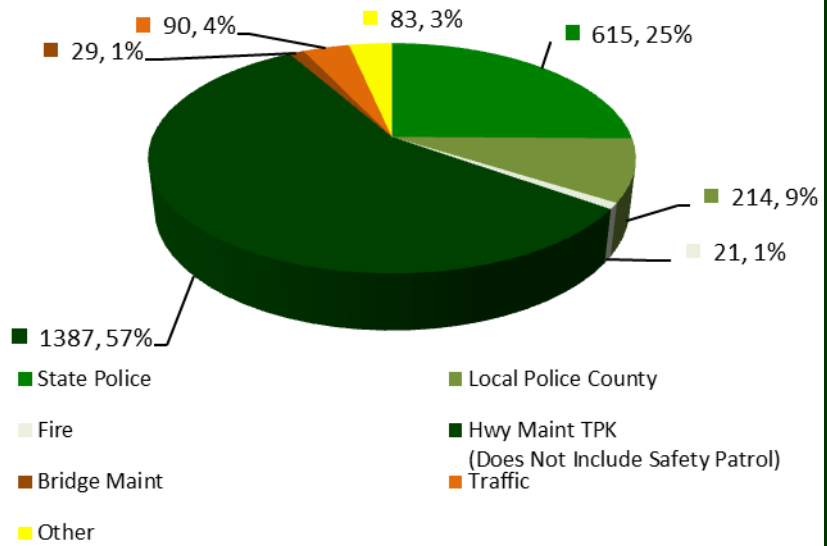
This graph shows which type of roadway the incidents occurred on.



Communication

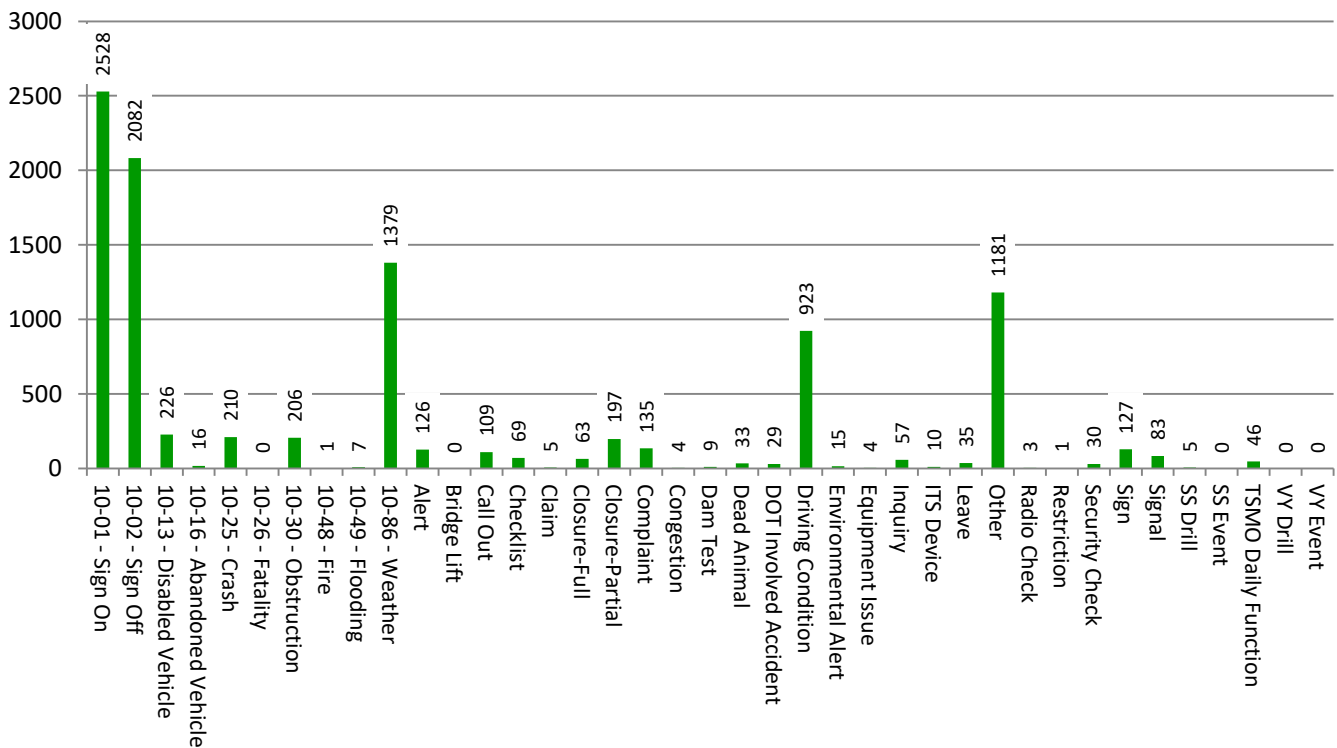
Current Month - Calls by Type

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



Log Entries by Type

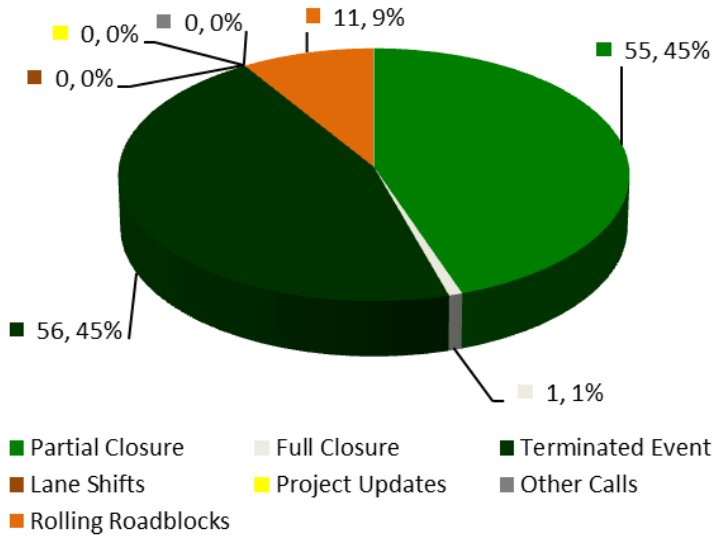
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

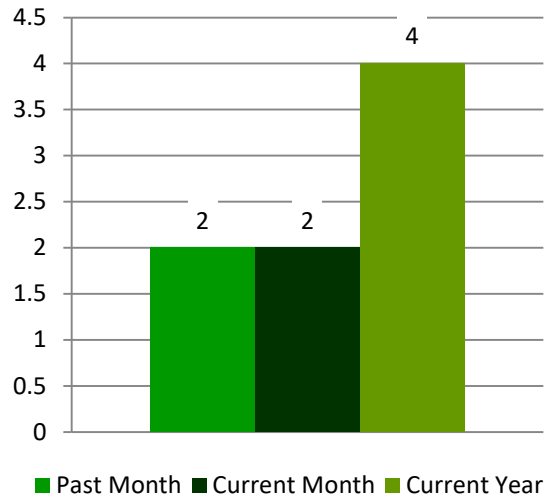
Current Month – Construction Calls

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

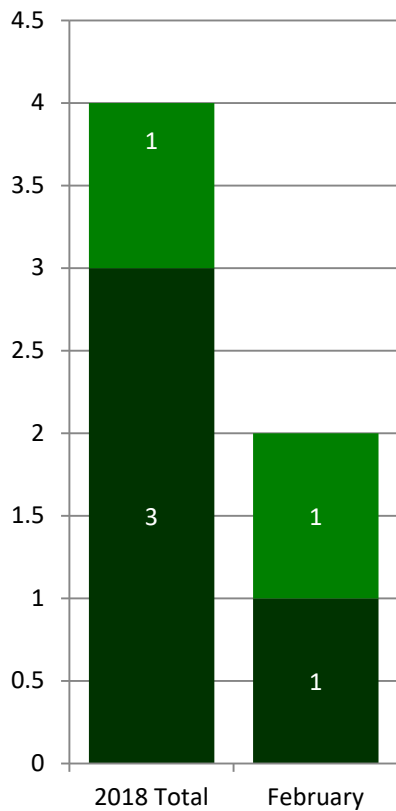


Incidents Occurring in Work Zones

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

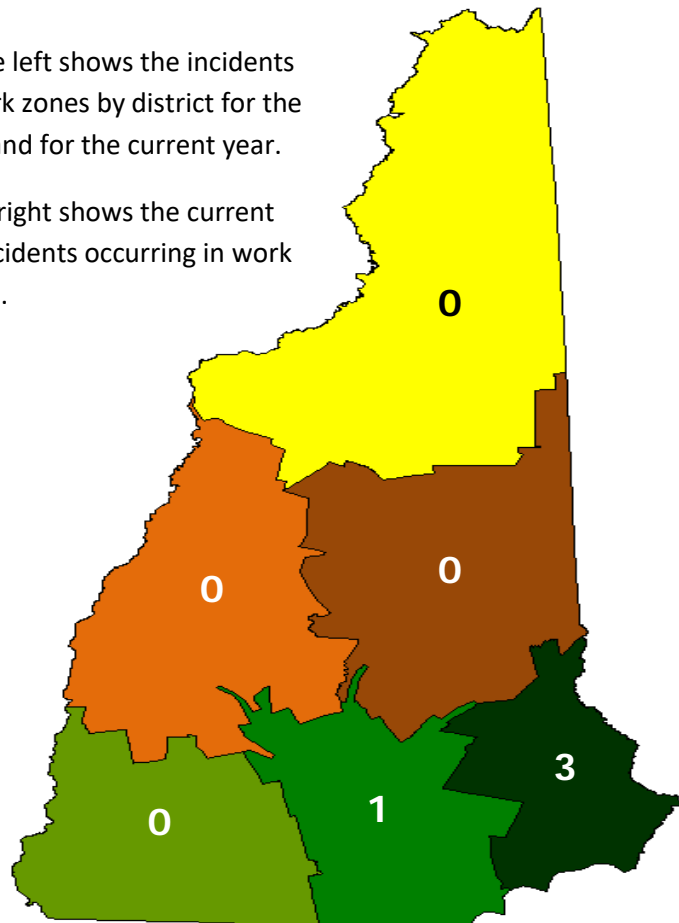


Incidents Occurring in Work Zones by Location



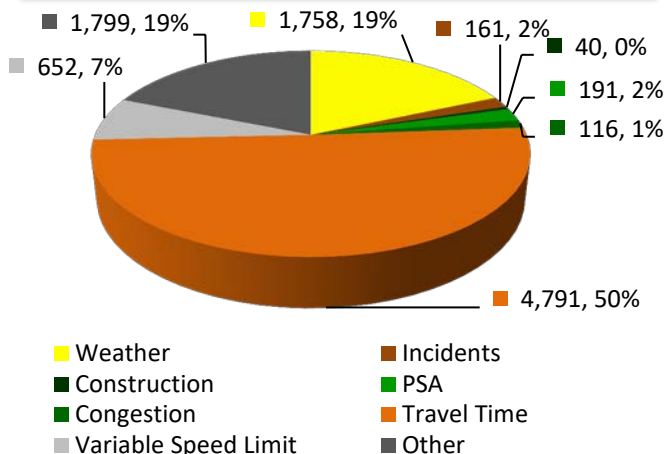
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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



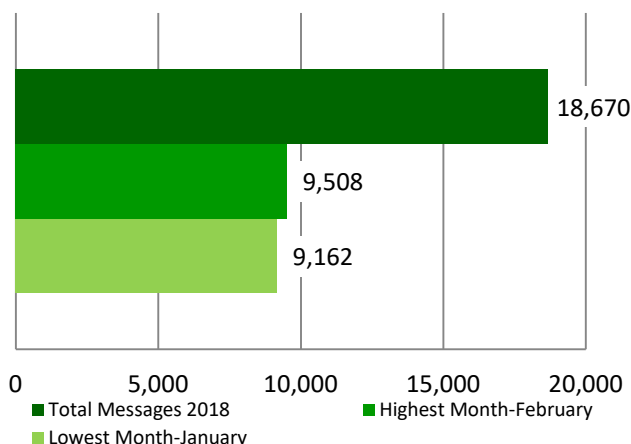
DMS Messages

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.

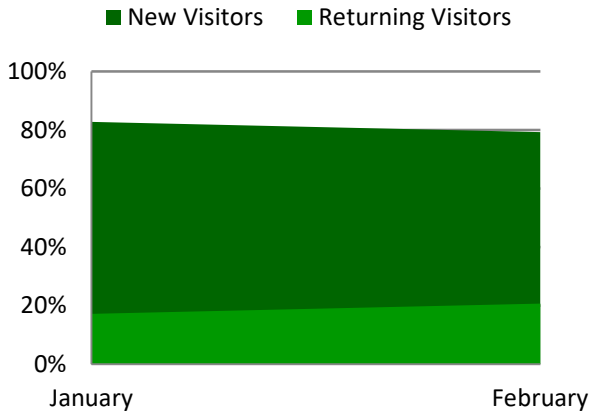
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	32	93 N 3.8 VSL D5	31	93S 32.4 FSVT	71
101 WM 100.5 VSL D 5	35	93 N 6.6 VSL D5	44	93S 36.0 PSVT	80
101E 102 PSP5	37	93 NM 2.35 VSL D 5	30	93S 39.0 FSV5	86
101E 114.8 FSV6	131	93 NM 3.8 VSL D5	31	93S 43.3 PSV5	35
101E 130 FSA6	132	93 NM 6.6 VSL D5	36	93S 48.0 FSV5	69
101E 53.4 FSV5	66	93 S 19.8 VSL D 5	35	93S 68.8 FSV3	75
101W 102.6 FSV5	55	93 S 2.2 VSL D 5	32	93S 7.2 FSD5	179
101W 115 PSP5	34	93 S 5.2 VSL D5	32	93S 85.4 FSV3	73
101W 128 PSV6	35	93 SM 19.8 VSL D 5	34	93S 99.2 FSA3	21
293 S 1.4 VSL D 5	31	93 SM 2.2 VSL D 5	32	95N 0.4 FSVT	89
293N 8.8 FSPT	86	93 SM 5.2 VSL D5	31	95N 13.0 FSVT	47
293S 1.4 FSD5	111	93N 0.3 FSD5	624	95N 14.8 FSDT	54
293S 4.8 FSVT	17	93N 16.0 VSL D5	35	95N 3.0 FSDT	139
393 W 1.9 PSV5	32	93N 16.0 VSL D5 Median	35	95S 15.4 FSDT	138
4E 92.4 FSS6	1	93N 23.4 FSD5	270	95S 3.4 FSPT	26
4E 98 FSA6	60	93N 32.4 FSVT	80	95S 7.6 FSDT	147
89N 1.8 FSV5	182	93N 36.2 FSVT	77	FEE N 1.2 FSVT	238
89N 18.4 FSV5	155	93N 43.8 PSP5	44	FEE N 16.2 PSVT	49
89N 28.8 PSV2	80	93N 57.6 FSV3	81	FEE N 18.8 FSVT	59
89N 35.5 FSV2	87	93N 7.2 FSD5	521	FEE N 5.2 PSVT	77
89N 43.8 PSV2	70	93N 82.6 FSV3	76	FEE S 17.8 PSVT	52
89N 55.0 PSV2	30	93N 99.6 FSA3	38	FEE S 8.6 FSPT	43
89S 10.8 FSV5	200	93S 117.6 FSA1	25	ST N 1.0 FSAT	312
89S 3.4 FSV5	402	93S 122.2 FSV1	43	ST N 19.2 PSVT	47
89S 31.4 PSP5	49	93S 14.4 VSL D5	29	ST S 11.6 FSA6	146
89S 42.6 PSP2	43	93S 14.4 VSL D5 Median	27	ST S 24.4 FSVT	212
89S 55.0 PSV2	24	93 N 3.8 VSL D5	31	ST S 3.4 FSDT	606
89S 57.5 PSV2	33	93 N 6.6 VSL D5	44	ST S 34.4 PSVT	55
93 N 0.3 VSL D 5	30	93S 23.4 FSD5	489	ST S 7.8 FSAT	438
93 N 2.35 VSL D 5	30	93S 27.8 FSDT	671	WA W 0.5 FSST	2

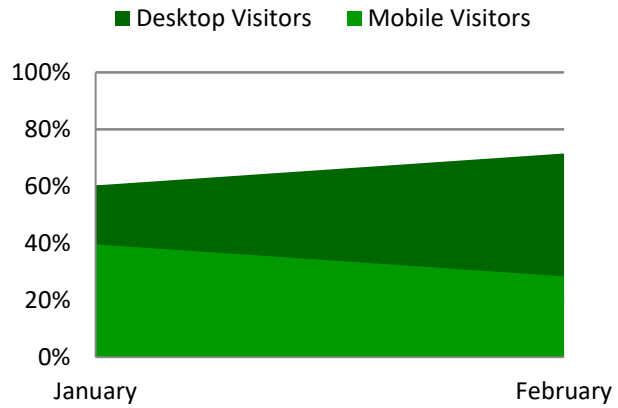
Public Outreach

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.



33,675 Twitter Followers

