

# 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

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  
16<sup>1</sup>      16<sup>1</sup>  
20<sup>2</sup>      20<sup>2</sup>



<sup>1</sup> Additional DMS that TSMO uses during the winter season.

<sup>2</sup> 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.

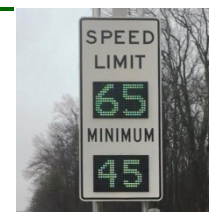
24      24



### 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.

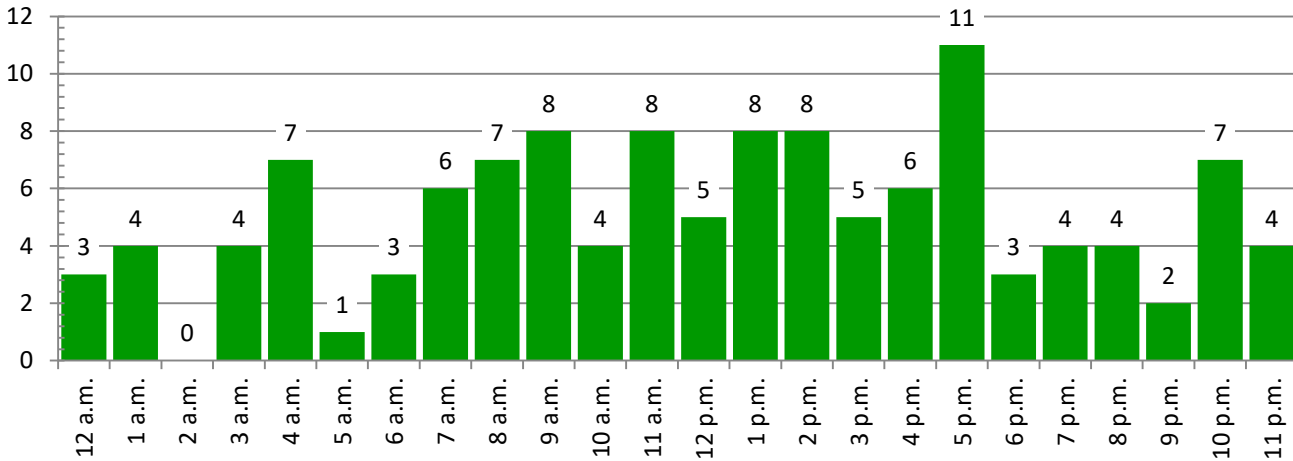
5      7



# Summary

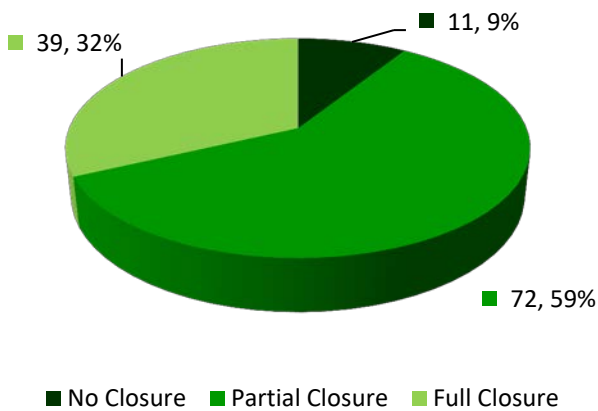
	Current Month	2018 Total
<b>Unplanned Incidents</b>	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	122	957
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	552	1,390
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,445	12,618
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	459	1,390
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	11,461	48,440
<b>Public Outreach</b>	<b>Total NHTMC.com Webpage Users</b>	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,284	11,109
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	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:

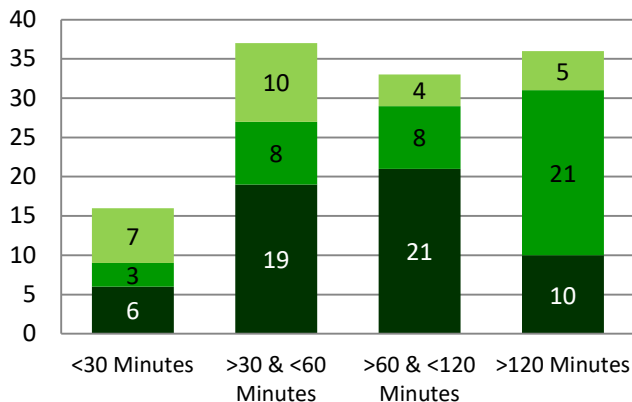
**No Closure:** No lane closures occurred during the incident.

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

**Full Closure:** All lanes were closed during the incident.

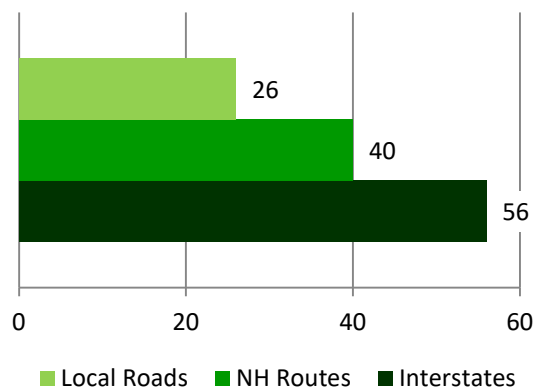
## Current Month - Incident Duration

This graph shows the duration history of incidents.

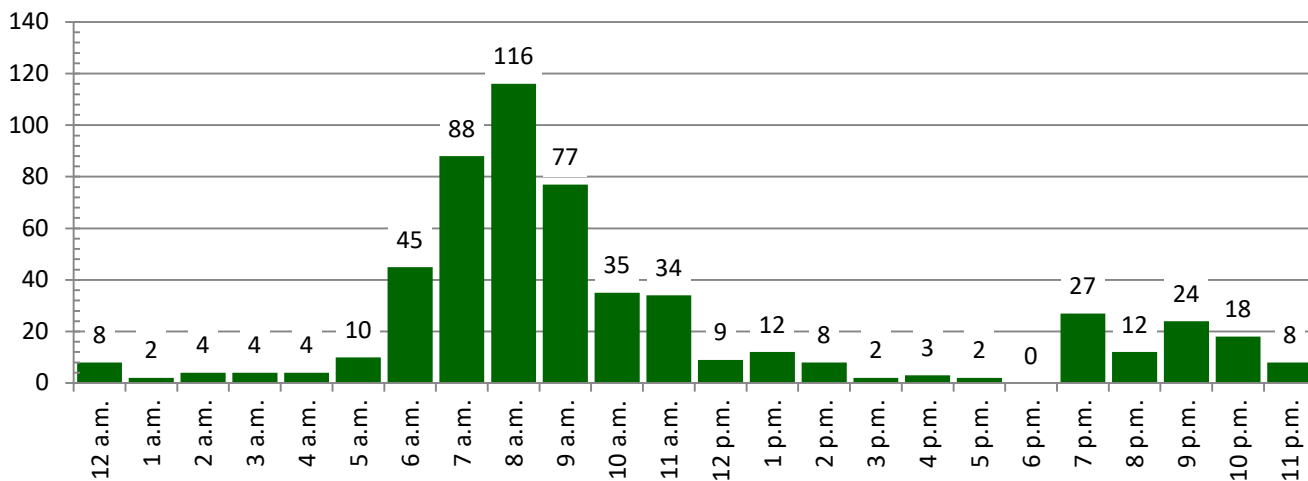


## Current Month - Incident by Road

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

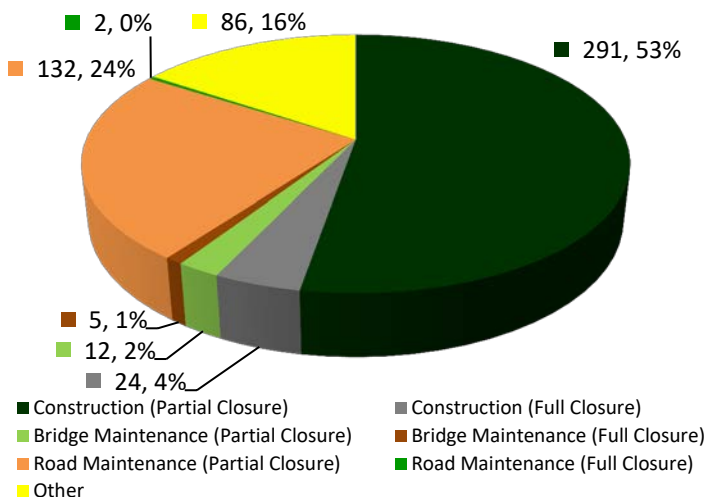


# Planned Events



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

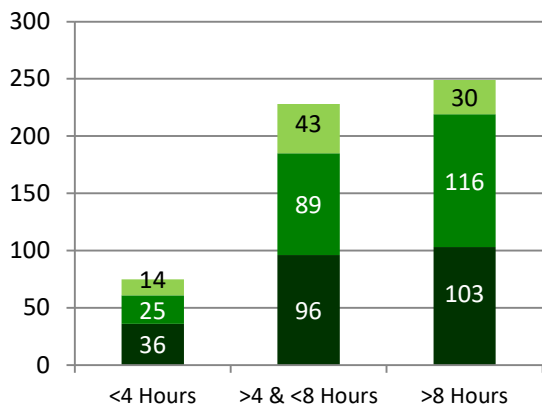


This graph shows the type of incident totals for the month.

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.

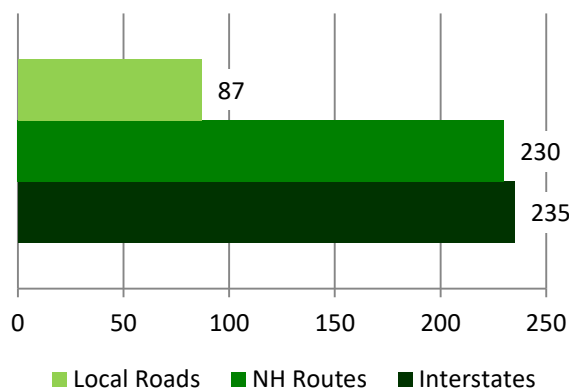
## Current Month - Incident Duration

This graph shows the duration history of incidents.



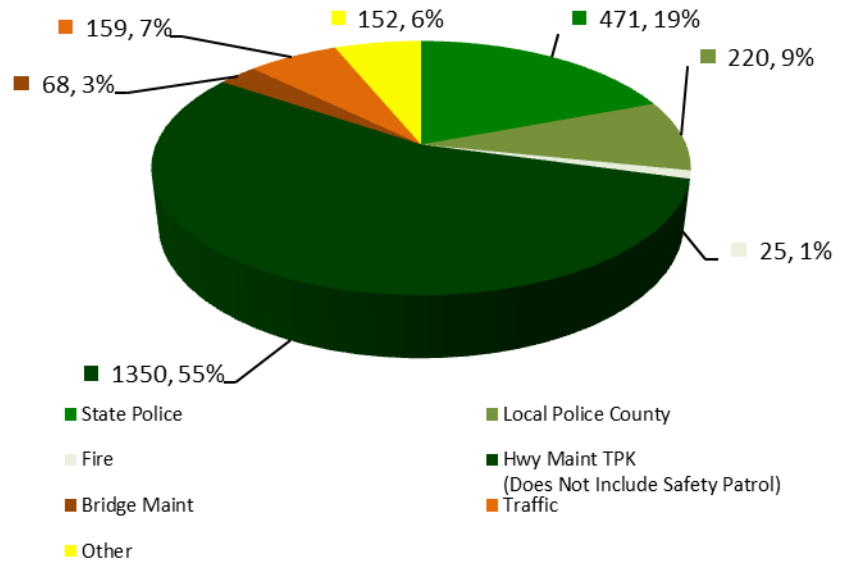
## Current Month - Incident by Road

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



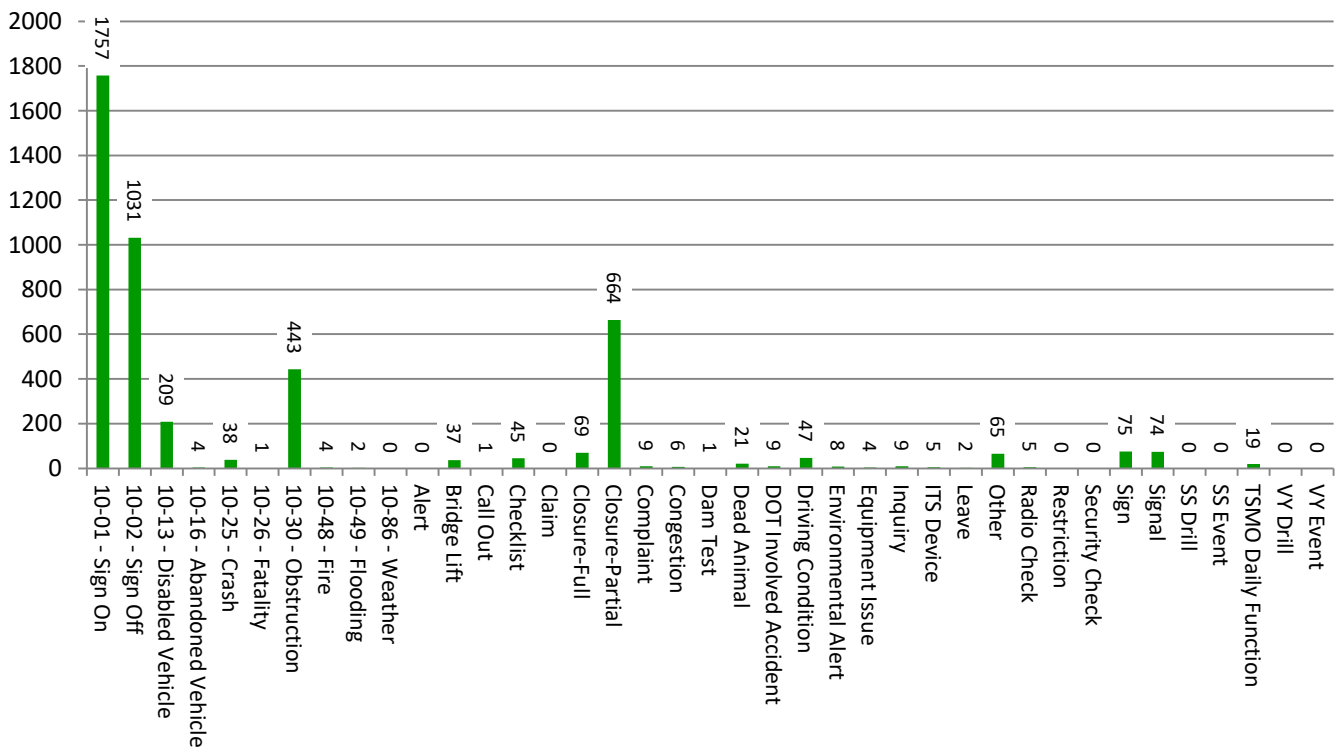
## Current Month - Calls by Type

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



## Log Entries by Type

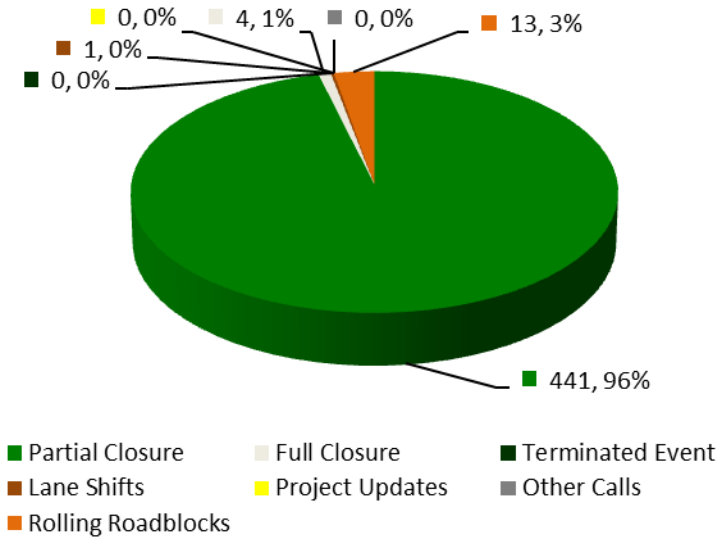
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

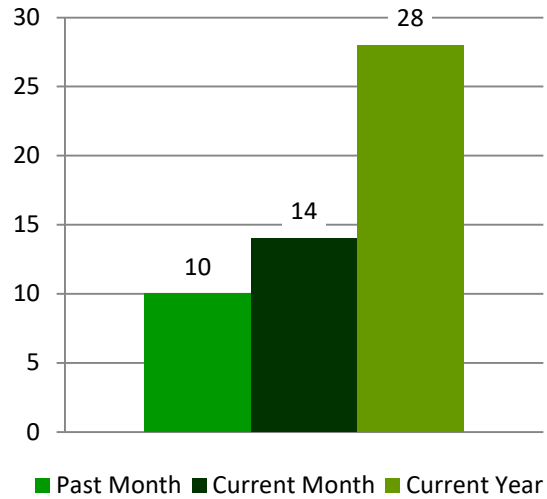
## Current Month – Construction Calls

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

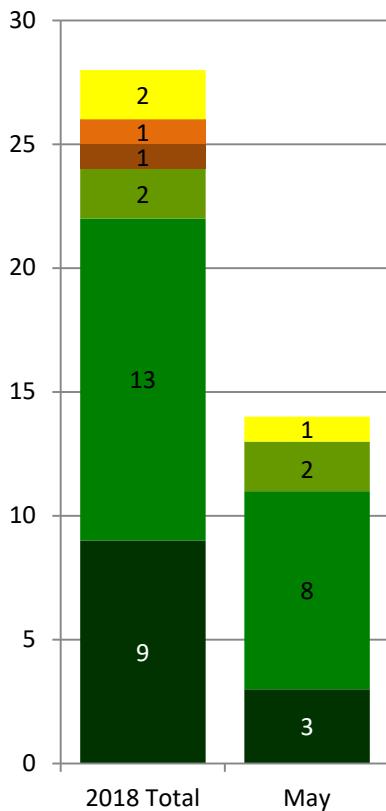


## Incidents Occurring in Work Zones

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

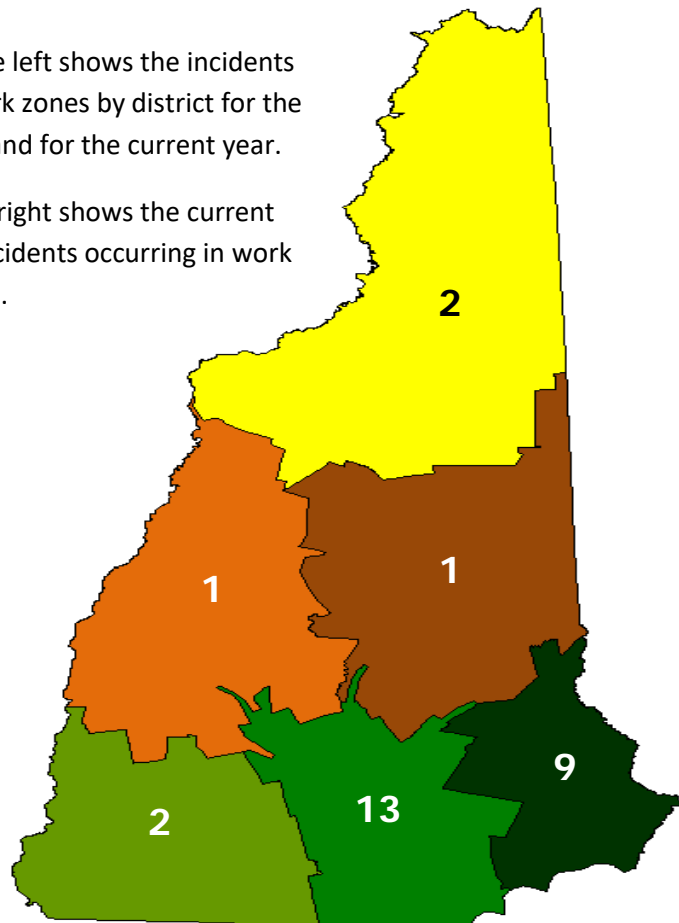


## Incidents Occurring in Work Zones by Location



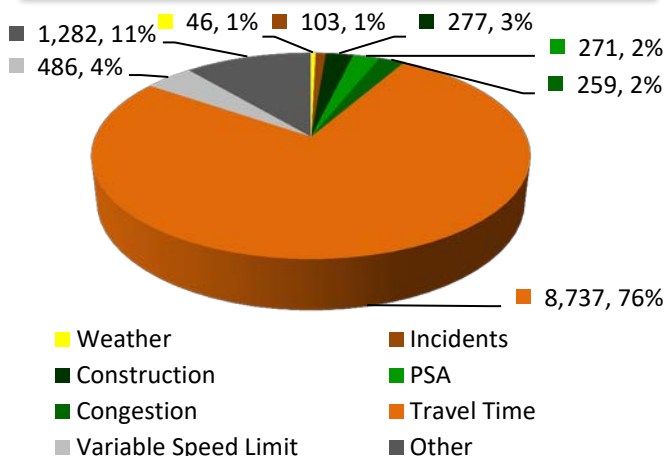
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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



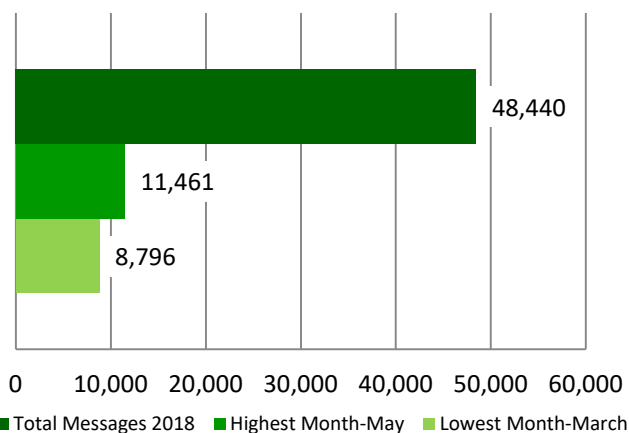
# DMS Messages

## 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

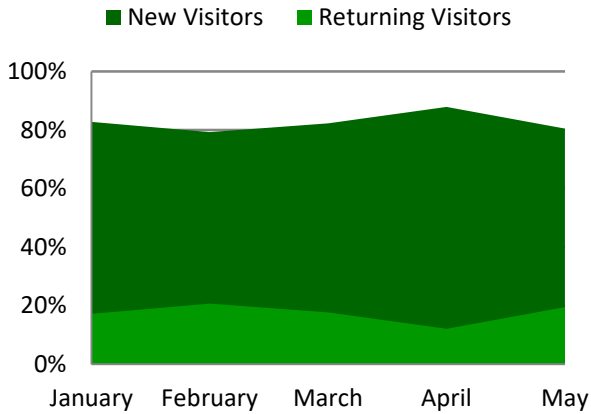
101 W 100.5 VSL D 5	23	93 S 19.8 VSL D 5	22	93S 85.4 FSV3	28
101 WM 100.5 VSL D 5	22	93 S 2.2 VSL D 5	22	93S 99.2 FSA3	74
101E 114.8 FSV6	164	93 S 5.2 VSL D5	22	95N 0.4 FSVT	247
101E 130 FSA6	353	93 SM 19.8 VSL D 5	22	95N 13.0 FSVT	22
101E 53.4 FSV5	20	93 SM 2.2 VSL D 5	22	95N 14.8 FSDT	53
101W 102.6 FSV5	18	93 SM 5.2 VSL D5	22	95N 3.0 FSDT	238
101W 128 PSV6	15	93N 0.3 FSD5	583	95N 4.6 PSVT	6
293 S 1.4 VSL D 5	25	93N 16.0 VSL D5	23	95S 15.4 FSDT	195
293N 8.8 FSPT	192	93N 16.0 VSL D5 Median	10	95S 3.4 FSPT	9
293S 1.4 FSD5	76	93N 23.4 FSD5	238	95S 7.3 PSVT	7
393 W 1.9 PSV5	17	93N 27.1 PSVT	9	95S 7.6 FSDT	135
4E 98 FSA6	36	93N 32.4 FSVT	55	FEE N 1.2 FSVT	778
89N 1.8 FSV5	217	93N 36.2 FSVT	45	FEE N 18.8 FSVT	28
89N 18.4 FSV5	328	93N 43.8 PSP5	3	FEE S 8.6 FSPT	17
89N 28.8 PSV2	8	93N 57.6 FSV3	35	ST N 1.0 FSAT	670
89N 35.5 FSV2	36	93N 7.2 FSD5	541	ST S 11.6 FSA6	176
89N 43.8 PSV2	17	93N 82.6 FSV3	37	ST S 24.4 FSVT	331
89N 55.0 PSV2	6	93N 99.6 FSA3	2	ST S 3.4 FSDT	1,315
89S 10.8 FSV5	167	93S 122.2 FSV1	18	ST S 7.8 FSAT	886
89S 3.4 FSV5	464	93S 14.4 VSL D5	48	WA W 0.5 FSST	3
89S 42.6 PSP2	3	93S 14.4 VSL D5 Median	45		
89S 55.0 PSV2	39	93S 23.4 FSD5	407		
89S 57.5 PSV2	123	93S 27.8 FSDT	1,138		
93 N 0.3 VSL D 5	22	93S 30.4 PSVT	2		
93 N 2.35 VSL D 5	26	93S 32.4 FSVT	36		
93 N 3.8 VSL D5	22	93S 39.0 FSV5	58		
93 N 6.6 VSL D5	21	93S 43.3 PSV5	22		
93 NM 2.35 VSL D 5	23	93S 48.0 FSV5	17		
93 NM 3.8 VSL D5	22	93S 68.8 FSV3	29		
93 NM 6.6 VSL D5	22	93S 7.2 FSD5	183		



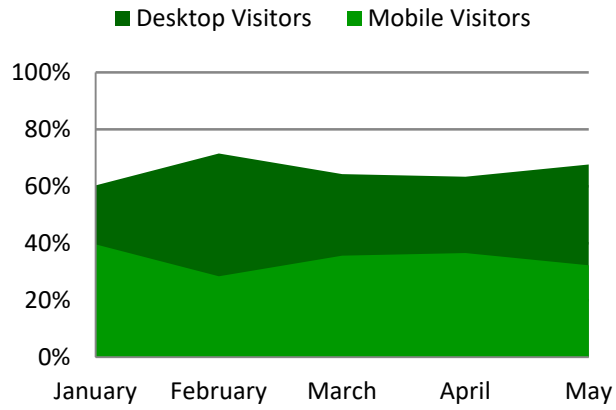
# Public Outreach

## 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.



34,654 Twitter Followers

