

# TMC Monthly Operational Summary

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Bureau of Transportation Systems Management & Operations (TSMO)

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## ***NH Department of Transportation's Mission***

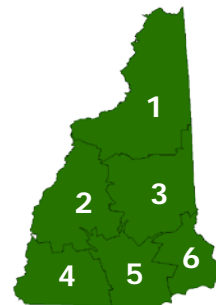
*Transportation excellence enhancing the quality of life in New Hampshire.*

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## ***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.

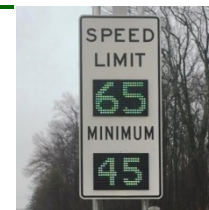
24      24



### 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.	205	667

	Current Month	2018 Total
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	226	475

	Current Month	2018 Total
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,370	7,468

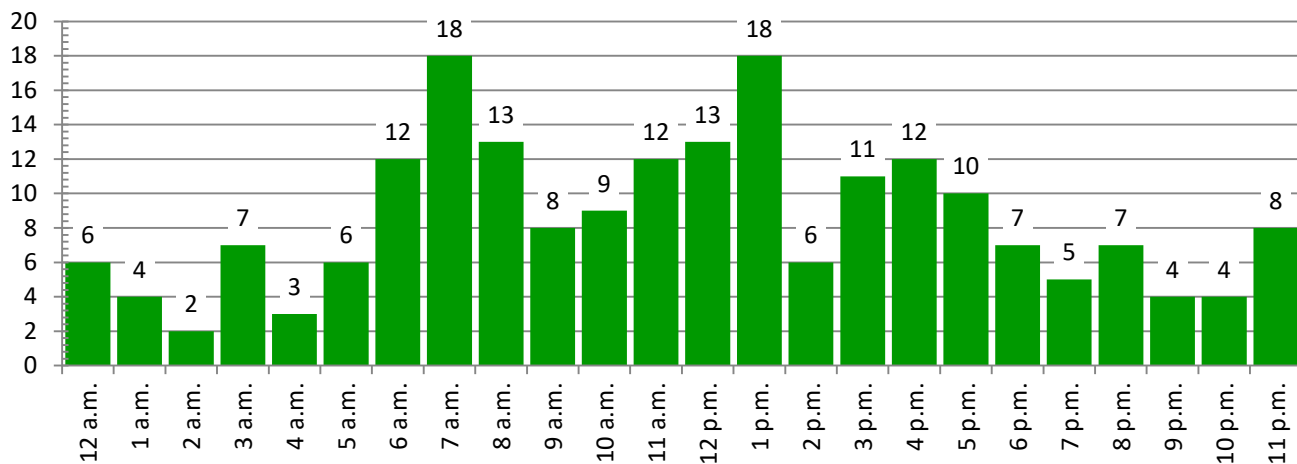
	Current Month	2018 Total
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	210	422

	Current Month	2018 Total
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	8,796	26,923

	Current Month	2018 Total
<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.	2,833	7,938

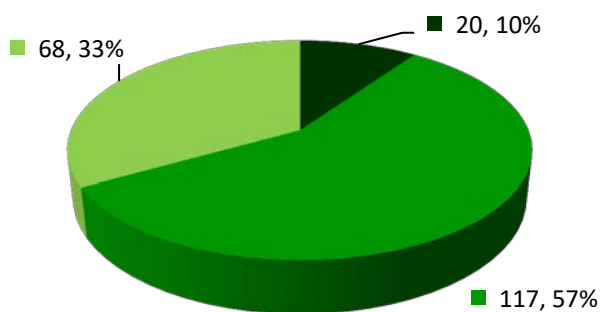
	Current Month	2018 Total
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	4

# 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.

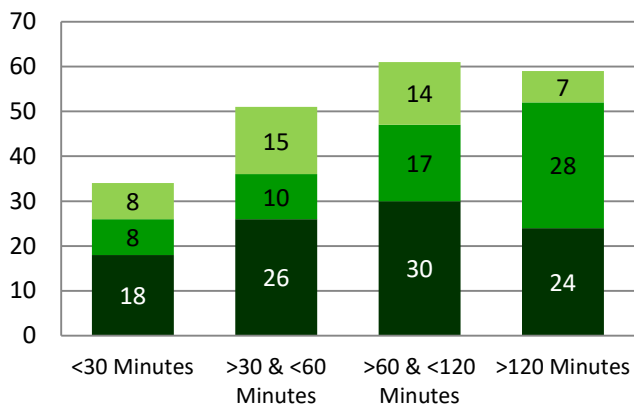
### Types of Incidents:

- 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.

■ No Closure ■ Partial Closure ■ Full Closure

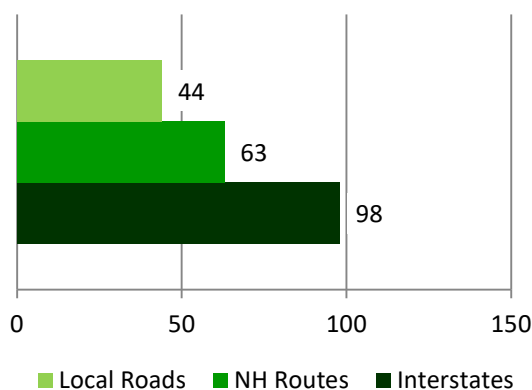
## Current Month - Incident Duration

This graph shows the duration history of incidents.

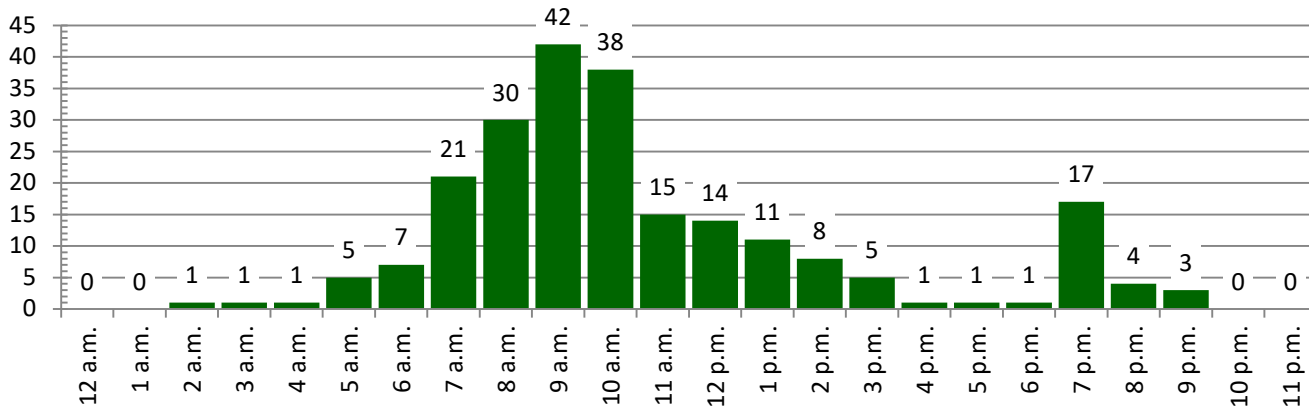


## Current Month - Incident by Road

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

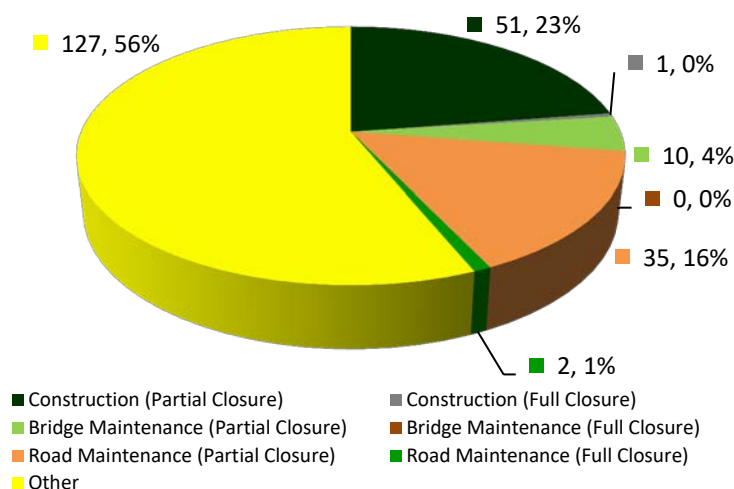


# Planned Events



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

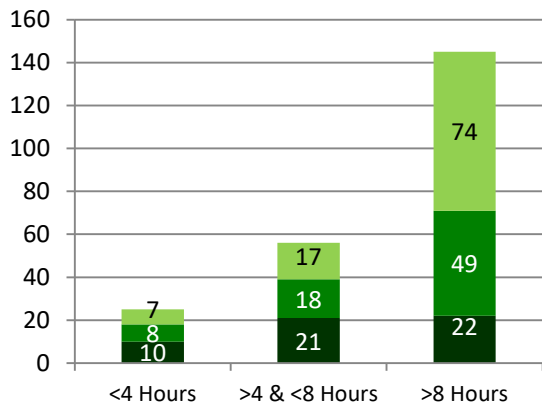


This graph shows the type of incident totals for the month.

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

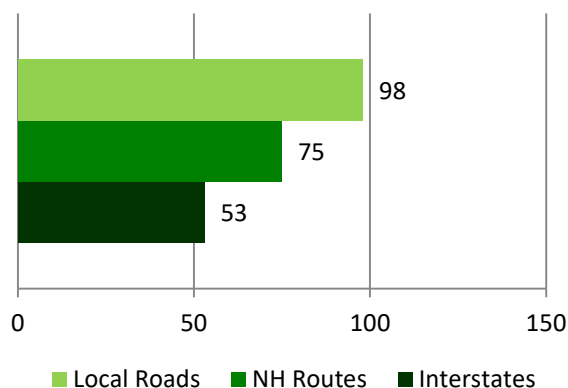
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

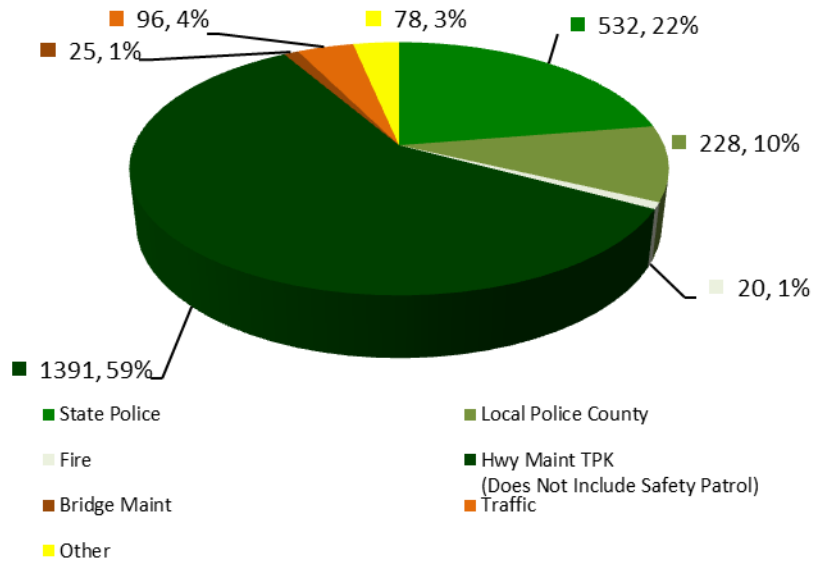
This graph shows which type of roadway the incidents occurred on.



# Communication

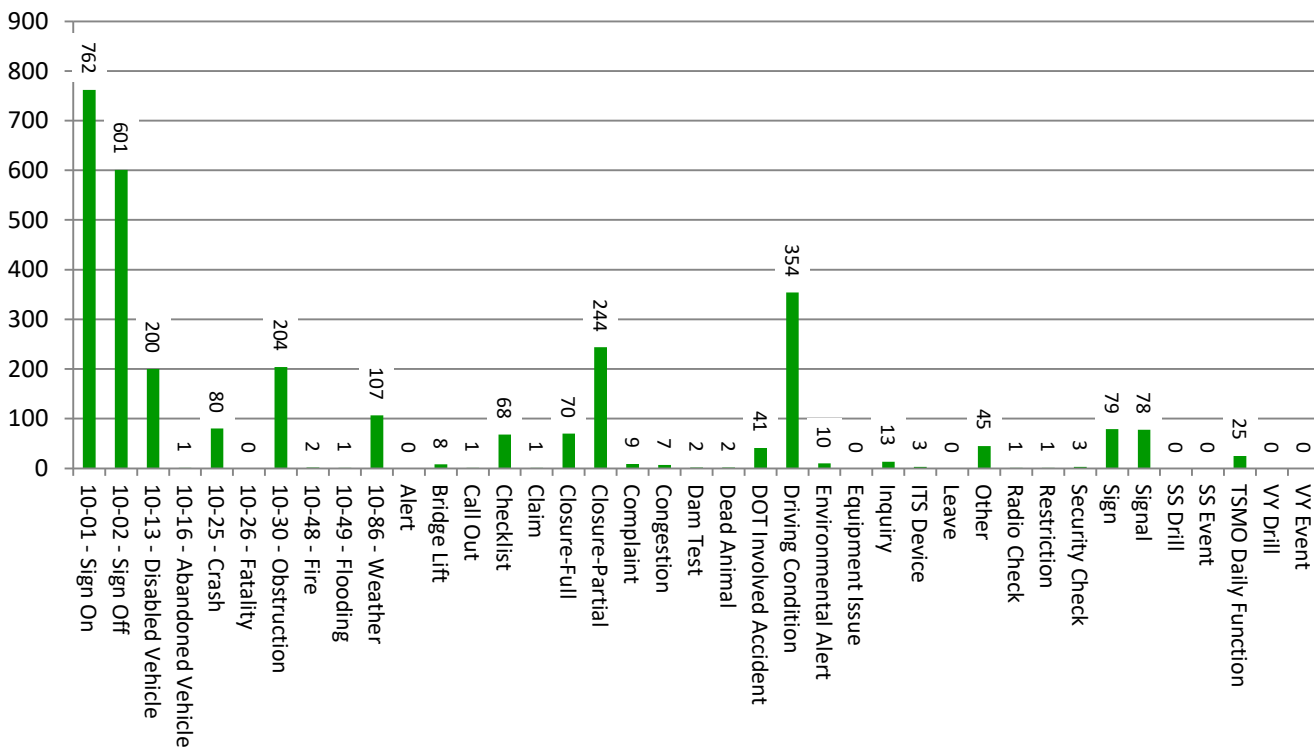
## Current Month - Calls by Type

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



## Log Entries by Type

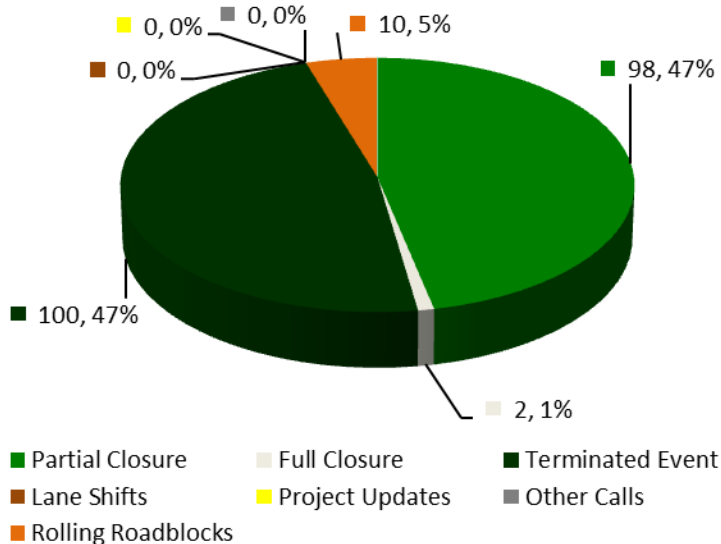
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

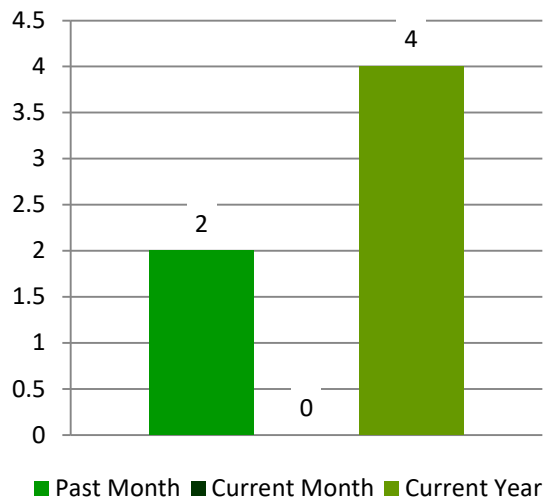
## Current Month – Construction Calls

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

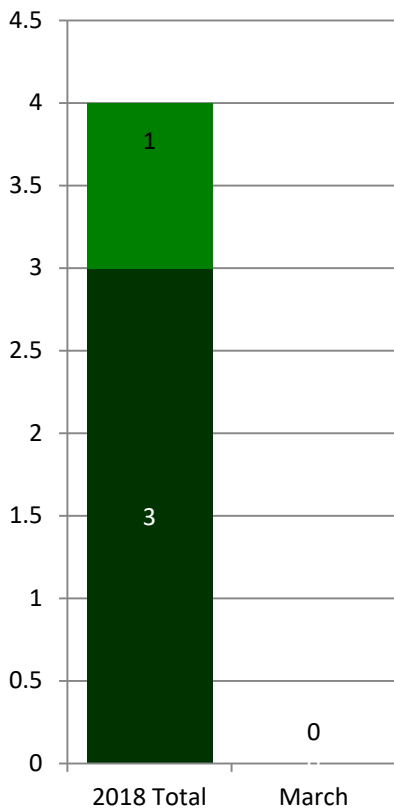


## Incidents Occurring in Work Zones

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

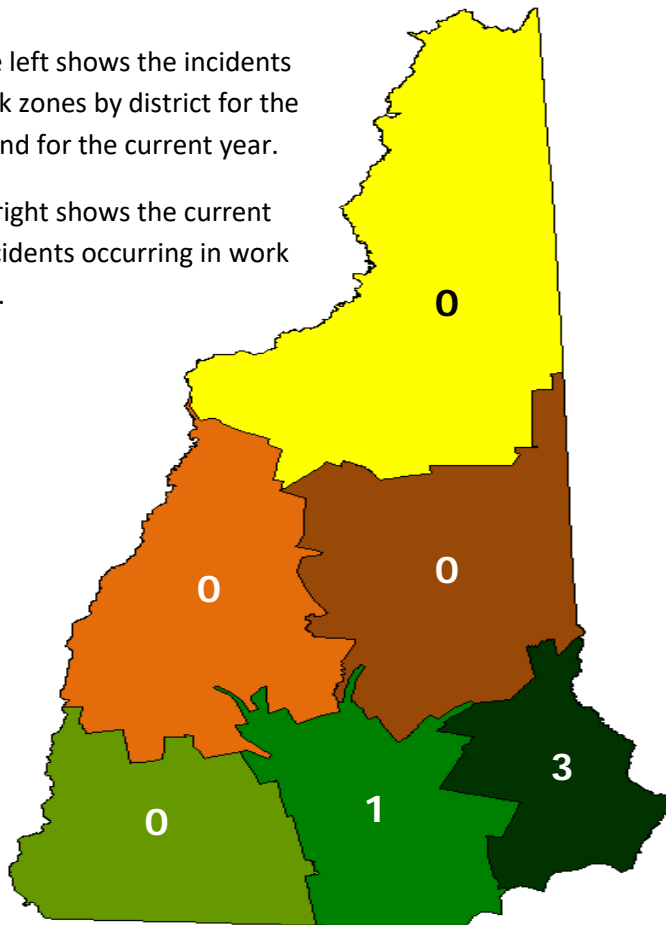


## Incidents Occurring in Work Zones by Location



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

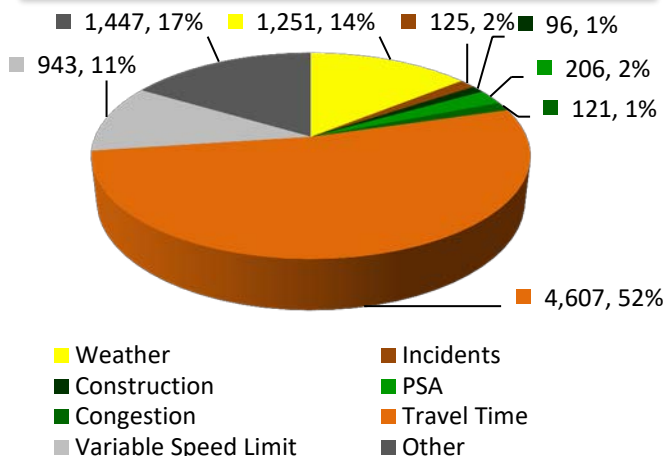
The map to the right shows the current year total for incidents occurring in work zones by district.



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

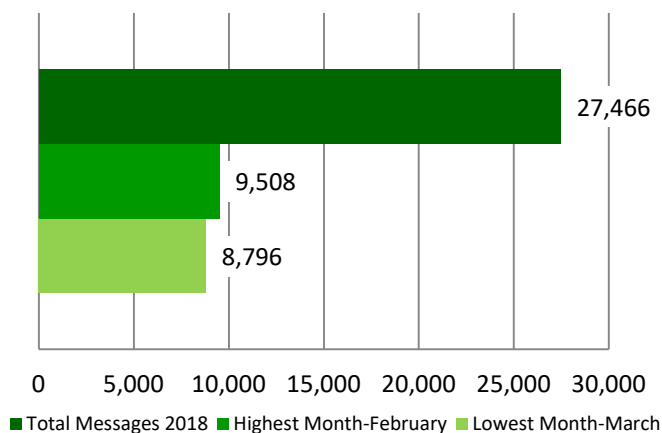
# DMS Messages

## 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

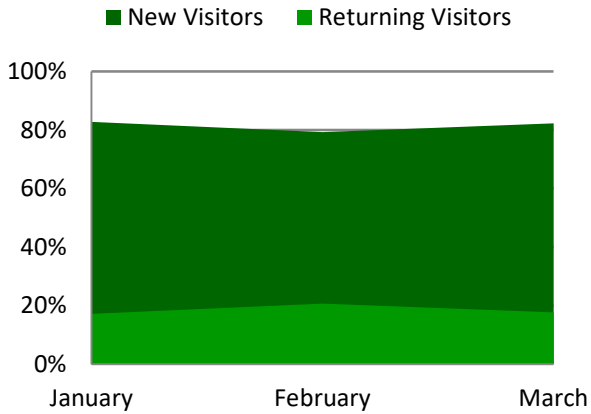
101 W 100.5 VSL D 5	49	93 N 6.6 VSL D5	46	93S 43.3 PSV5	18
101 WM 100.5 VSL D 5	48	93 NM 2.35 VSL D 5	49	93S 48.0 FSV5	34
101E 102 PSP5	36	93 NM 3.8 VSL D5	47	93S 68.8 FSV3	53
101E 114.8 FSV6	151	93 NM 6.6 VSL D5	46	93S 85.4 FSV3	38
101E 130 FSA6	131	93 S 19.8 VSL D 5	47	93S 99.2 FSA3	19
101E 53.4 FSV5	50	93 S 2.2 VSL D 5	47	95N 0.4 FSVT	90
101W 102.6 FSV5	55	93 S 5.2 VSL D5	47	95N 13.0 FSVT	35
101W 115 PSP5	30	93 SM 19.8 VSL D 5	47	95N 14.8 FSDT	62
101W 128 PSV6	50	93 SM 2.2 VSL D 5	46	95N 3.0 FSDT	108
293 S 1.4 VSL D 5	44	93 SM 5.2 VSL D5	47	95S 15.4 FSDT	116
293N 8.8 FSPT	76	93N 0.3 FSD5	644	95S 3.4 FSPT	21
293S 1.4 FSD5	68	93N 16.0 VSL D5	47	95S 7.6 FSDT	121
393 W 1.9 PSV5	15	93N 16.0 VSL D5 Median	50	FEE N 1.2 FSVT	310
4E 92.4 FSS6	1	93N 23.4 FSD5	182	FEE N 16.2 PSVT	43
4E 98 FSA6	60	93N 32.4 FSVT	65	FEE N 18.8 FSVT	53
89N 1.8 FSV5	173	93N 36.2 FSVT	38	FEE N 5.2 PSVT	61
89N 18.4 FSV5	98	93N 43.8 PSP5	25	FEE S 17.8 PSVT	46
89N 28.8 PSV2	48	93N 57.6 FSV3	61	FEE S 8.6 FSPT	32
89N 35.5 FSV2	45	93N 7.2 FSD5	470	ST N 1.0 FSAT	428
89N 43.8 PSV2	53	93N 82.6 FSV3	43	ST N 19.2 PSVT	40
89N 55.0 PSV2	22	93N 99.6 FSA3	29	ST S 11.6 FSA6	174
89S 10.8 FSV5	105	93S 117.6 FSA1	23	ST S 24.4 FSVT	267
89S 3.4 FSV5	230	93S 122.2 FSV1	28	ST S 3.4 FSDT	655
89S 31.4 PSP5	26	93S 14.4 VSL D5	49	ST S 34.4 PSVT	43
89S 42.6 PSP2	27	93S 14.4 VSL D5 Median	47	ST S 7.8 FSAT	368
89S 55.0 PSV2	46	93S 23.4 FSD5	409	WA W 0.5 FSST	1
89S 57.5 PSV2	22	93S 27.8 FSDT	692		
93 N 0.3 VSL D 5	47	93S 32.4 FSVT	49		
93 N 2.35 VSL D 5	46	93S 36.0 PSVT	47		
93 N 3.8 VSL D5	47	93S 39.0 FSV5	56		



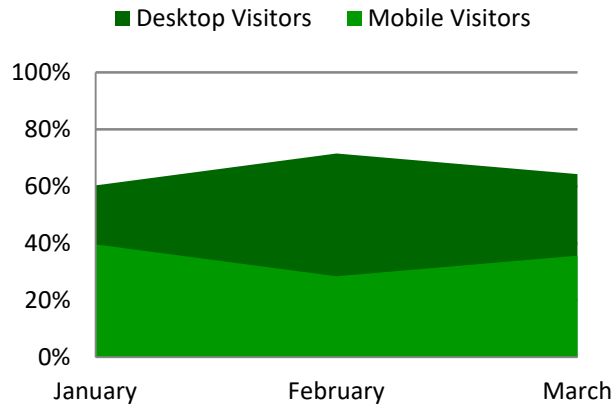
# Public Outreach

## 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.



34,142 Twitter Followers

