

# 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.*

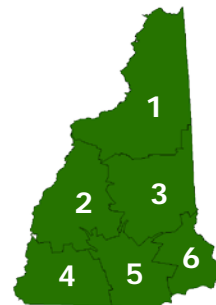
---

## ***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

2018 Total      2019 Total

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

97      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.

56      58  
16<sup>1</sup>      15<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.

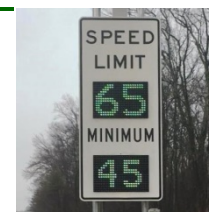
24      24



### Variable Speed Limit Sign (VSL)

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

20      20



### Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

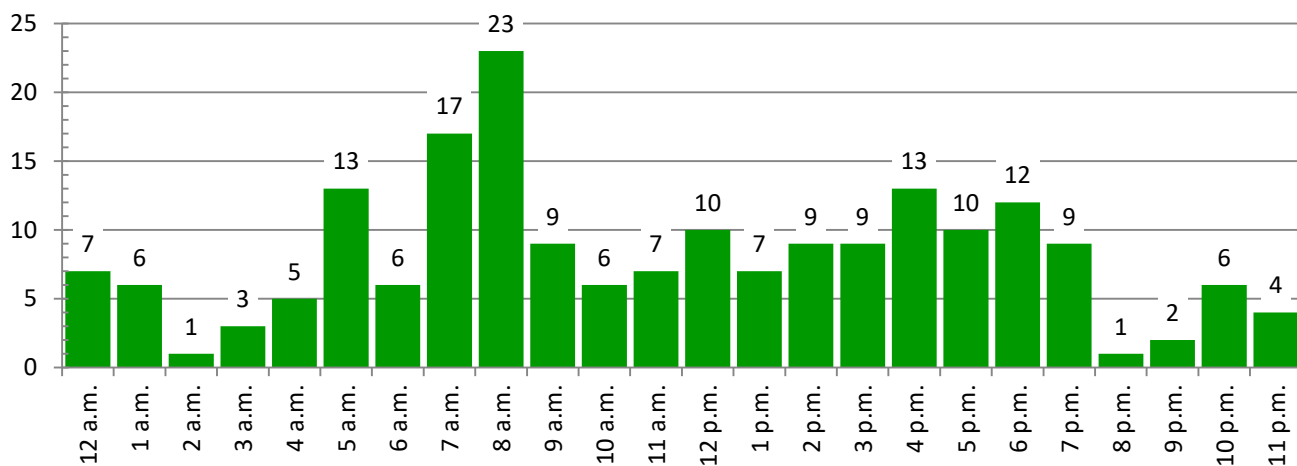
7      7



# Summary

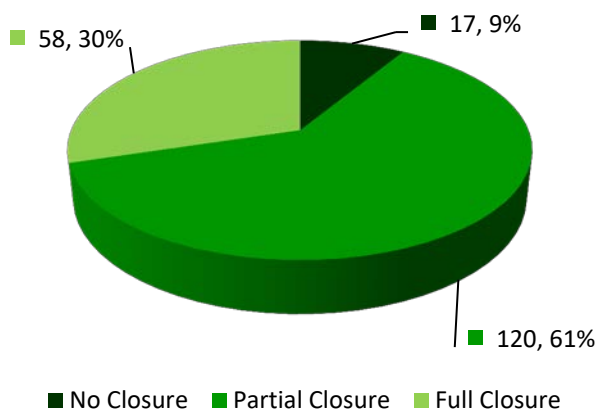
	Current Month	2019 Total
<b>Unplanned Incidents</b>		
	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	195	383
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	36	94
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,295	6,943
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	662	1,498
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	17,219	33,622
<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.	1,366	3,322
<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.	1	3

# 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



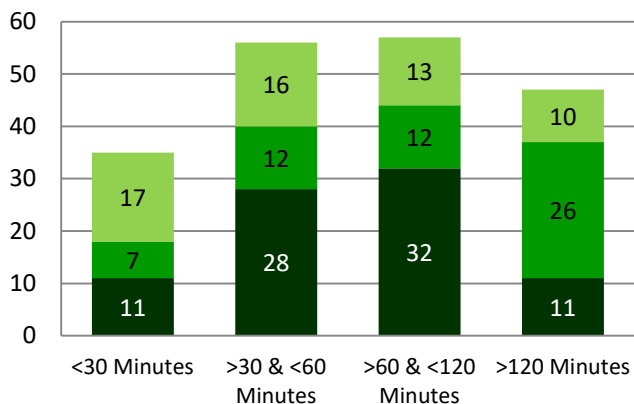
This graph shows the type of incident totals for the month.

### 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.

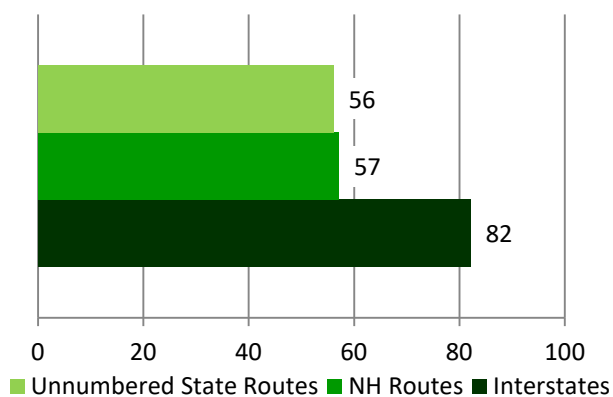
## Current Month - Incident Duration

This graph shows the duration history of incidents.

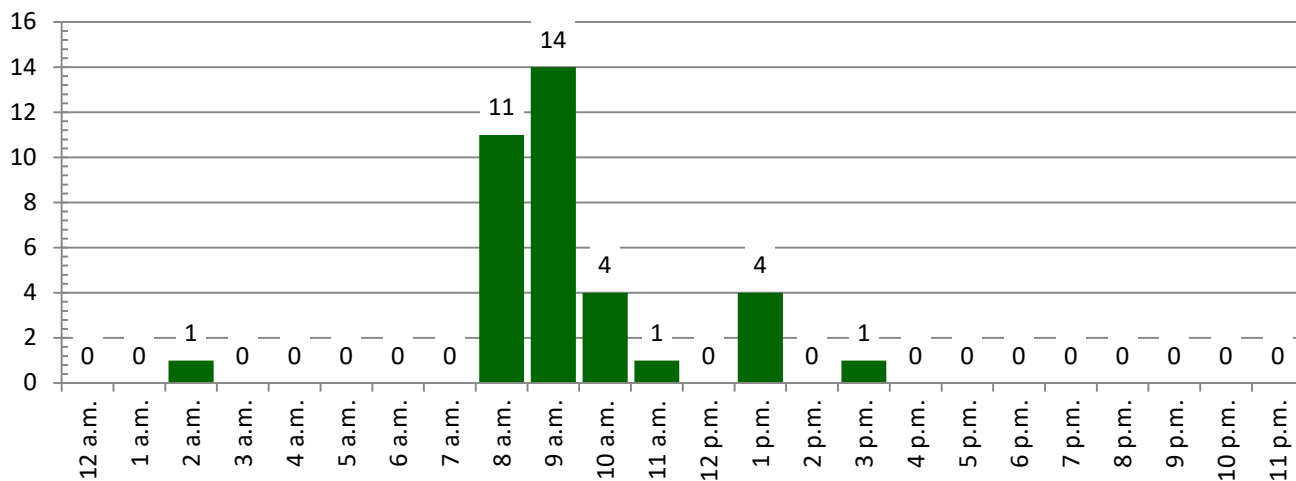


## Current Month - Incident by Road

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

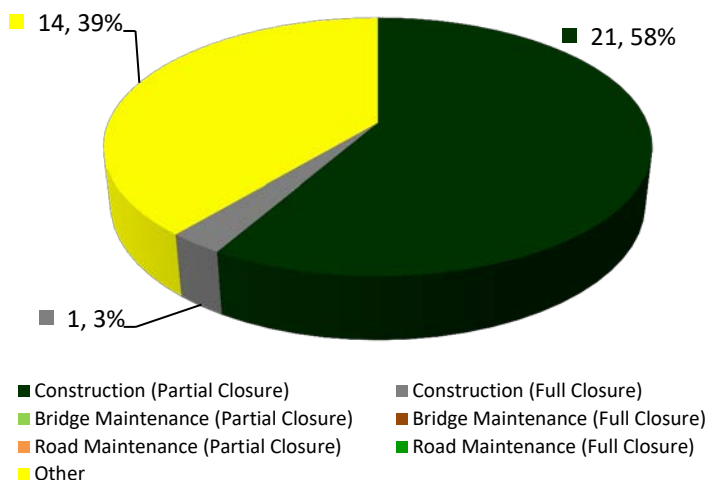


# Planned Events



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

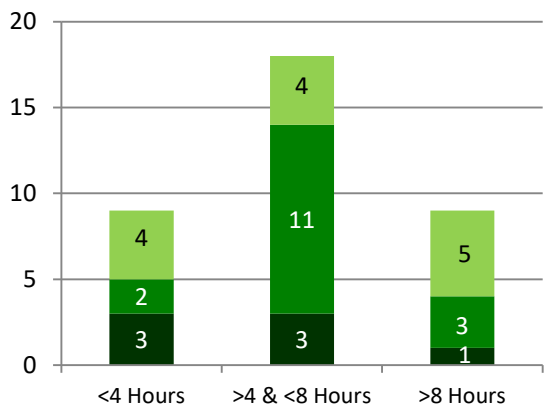


This graph shows the type of incident totals for the month.

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.

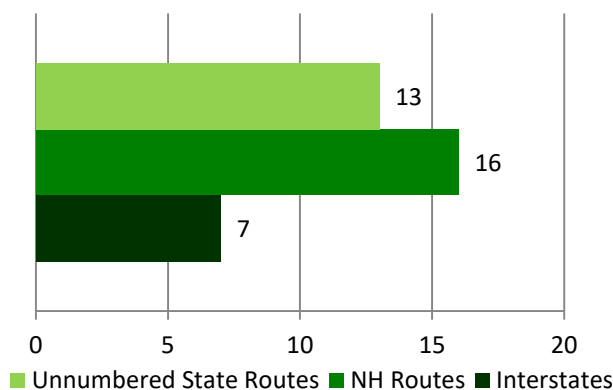
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

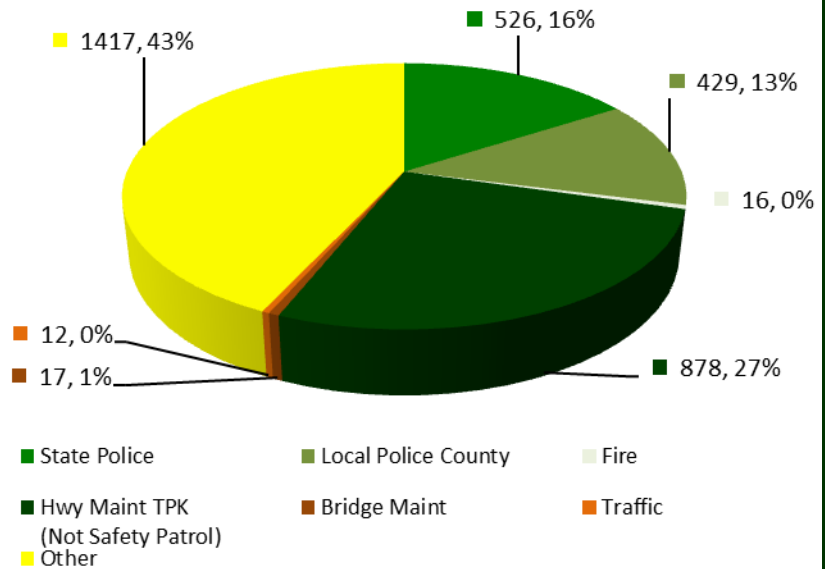
This graph shows which type of roadway the incidents occurred on.



# Communication

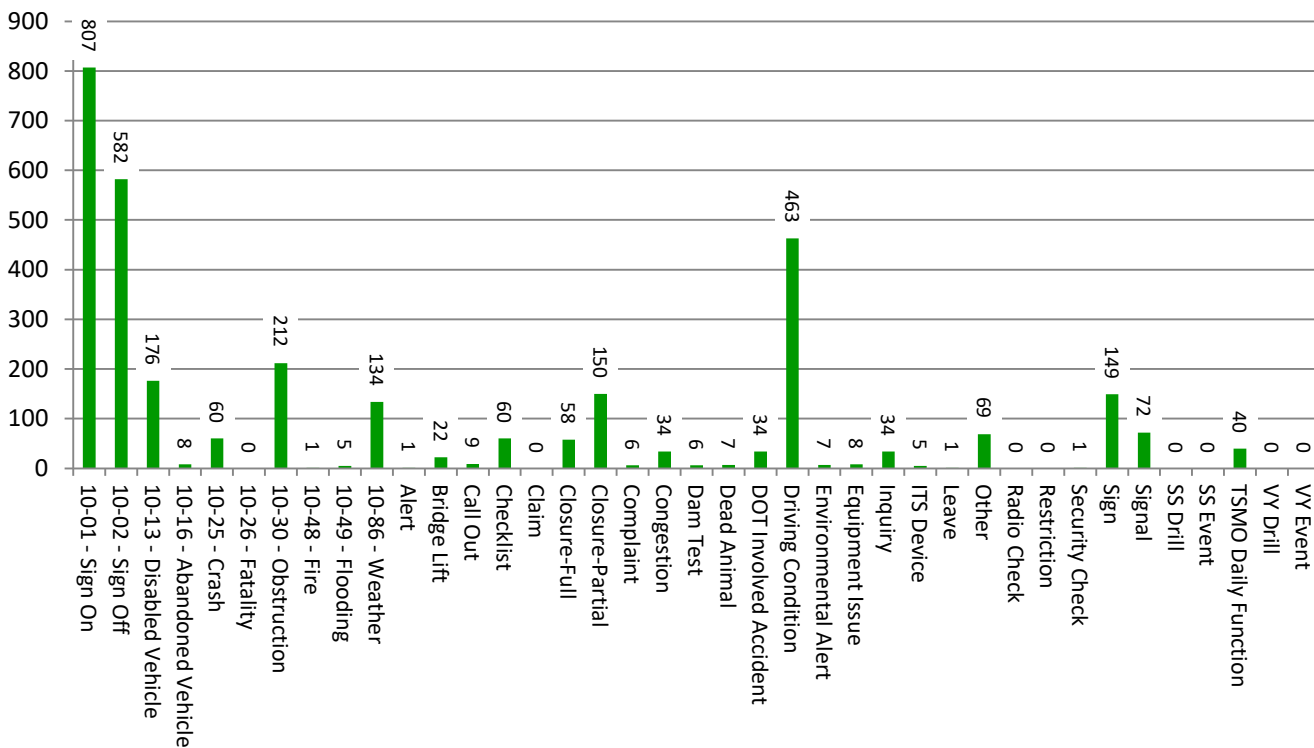
## Current Month - Calls by Type

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



## Log Entries by Type

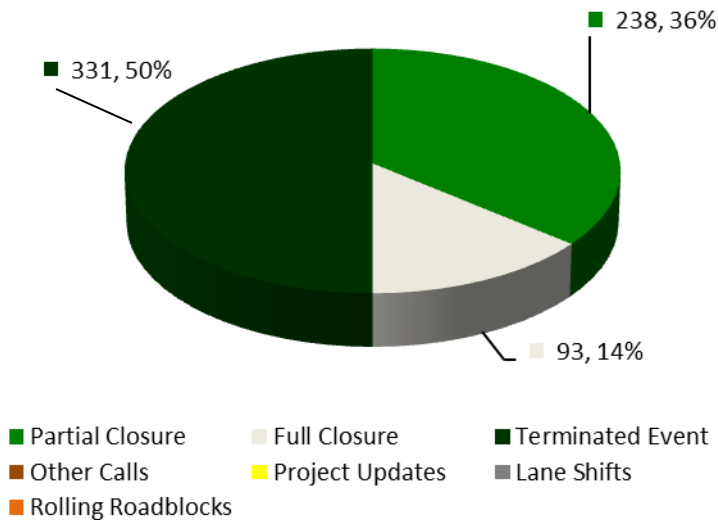
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

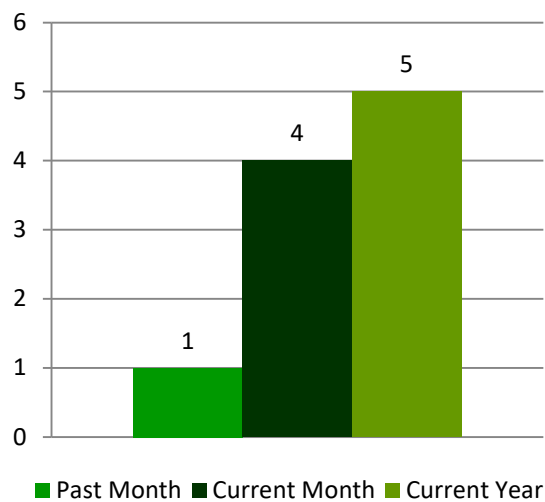
## Current Month – Construction Calls

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

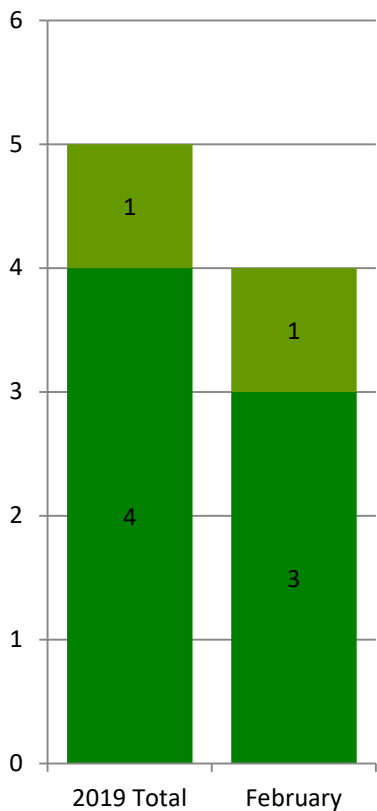


## Incidents Occurring in Work Zones

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

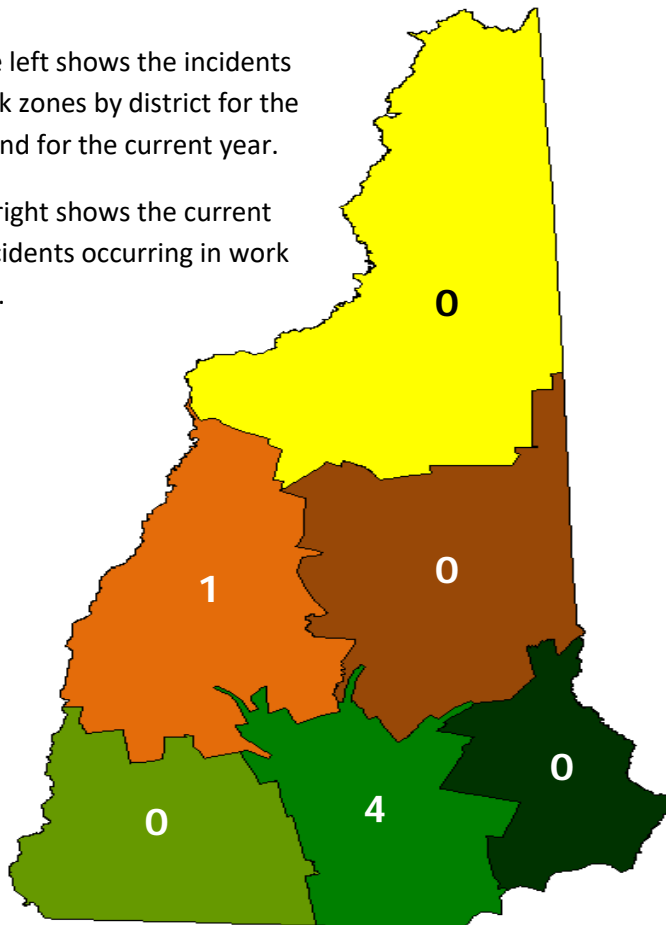


## Incidents Occurring in Work Zones by Location



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

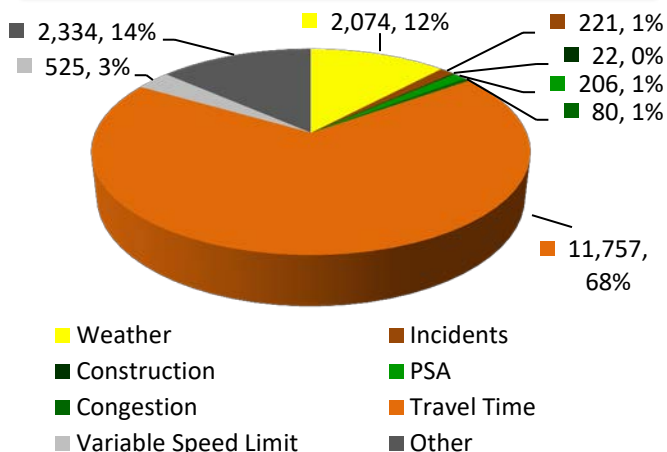
The map to the right shows the current year total for incidents occurring in work zones by district.



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

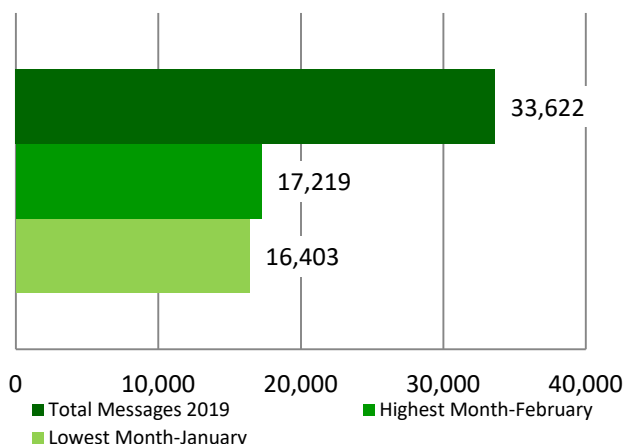
# DMS Messages

## 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 - 2019



This graph shows the total messages that were posted to DMS for the year so far.

## Current Month - Total Messages Posted by Board

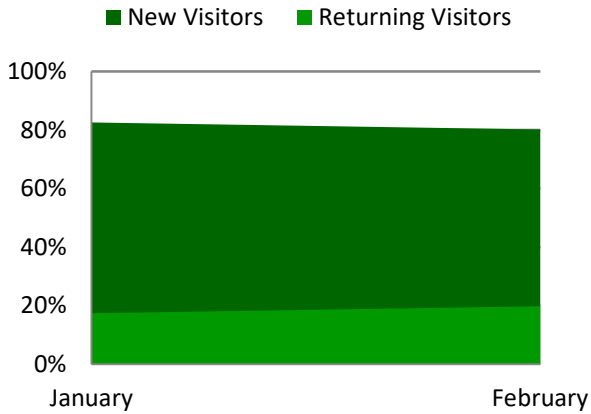
101 E 52.2 PCMS - SWZ M05	6	93 SM 5.2 VSL D5	28	95S 15.4 FSDT	163
101 W 100.5 VSL D 5	27	93N 0.0 PCMS - SWZ M01	900	95S 3.4 FSPT	30
101 WM 100.5 VSL D 5	27	93N 0.3 FSD5	798	95S 7.6 FSDT	145
101E 102 PSP5	32	93N 1.35 PCMS - SWZ M07	841	FEE N 1.2 FSVT	481
101E 114.8 FSV6	146	93N 10.95 PCMS - SWZ M04	507	FEE N 16.2 PCMS - SWZ M03	17
101E 130 FSA6	15	93N 14.8 PCMS - SWZ M05	382	FEE N 18 PCMS - SWZ M02	2
101E 53.4 FSV5	65	93N 16.0 VSL D5	27	FEE N 18.8 FSVT	52
101W 102.6 FSV5	57	93N 16.0 VSL D5 Median	27	FEE N 5.2 PSVT	82
101W 115 PSP5	32	93N 2.6 PCMS - SWZ M03	780	FEE S 17.8 PSVT	76
101W 128 PSV6	51	93N 23.4 FSD5	444	FEE S 8.6 FSPT	46
293 N 0.9 PCMS - SWZ M04	26	93N 32.4 FSVT	99	ST N 1.0 FSAT	672
293 S 1.4 VSL D 5	28	93N 36.2 FSVT	66	ST N 19.2 PSVT	58
293N 8.8 FSPT	362	93N 43.8 PSP5	37	ST S 11.6 FSA6	209
293S 1.4 FSD5	92	93N 57.6 FSS3	88	ST S 24.4 FSVT	304
293S 2.2 PCMS - SWZ M06	431	93N 7.2 FSD5	735	ST S 3.4 FSDT	1,037
293S 4.8 FSVT	53	93N 76.4 FSV3	81	ST S 34.4 PSVT	63
393 W 1.9 PSV5	25	93N 99.6 FSA3	40	ST S 7.8 FSAT	795
4E 92.4 FSS6	20	93S 117.6 FSA1	26	WA W 0.5 FSST	27
4E 98 FSA6	29	93S 122.2 FSV1	43		
89N 1.8 FSV5	161	93S 13.8 PCMS - SWZ M11	170		
89N 18.4 FSV5	277	93S 14.4 VSL D5	29		
89N 28.8 PSP2	43	93S 14.4 VSL D5 Median	29		
89N 35.5 FSV2	80	93S 15.85 PCMS - SWZ M12	208		
89N 43.8 PSV2	75	93S 2.6 PCMS - SWZ M08	142		
89N 54.9 FSS2	46	93S 20.1 PCMS - SWZ M13	307		
89S 10.8 FSV5	253	93S 23.4 FSD5	499		
89S 3.4 FSV5	461	93S 27.8 FSDT	813		
89S 42.6 PSV2	75	93S 32.4 FSVT	87		
89S 55.0 PSV2	73	93S 36.0 PSVT	95		
89S 57.7 FSS2	81	93S 39.0 FSV5	105		
93 N 0.3 VSL D 5	27	93S 43.3 PSV5	25		
93 N 2.35 VSL D 5	27	93S 48.0 FSV5	70		
93 N 3.8 VSL D5	29	93S 5.2 PCMS - SWZ M09	149		
93 N 6.6 VSL D5	27	93S 57.6 PSP5	35		
93 NM 2.35 VSL D 5	28	93S 68.8 FSV3	99		
93 NM 3.8 VSL D5	29	93S 7.2 FSD5	185		
93 NM 6.6 VSL D5	27	93S 85.4 FSV3	91		
93 S 2.2 VSL D 5	27	95N 0.4 FSVT	150		
93 S 5.2 VSL D5	28	95N 13.0 FSVT	68		
93 SM 19.8 VSL D 5	27	95N 14.8 FSDT	60		
93 SM 2.2 VSL D 5	27	95N 3.0 FSDT	143		



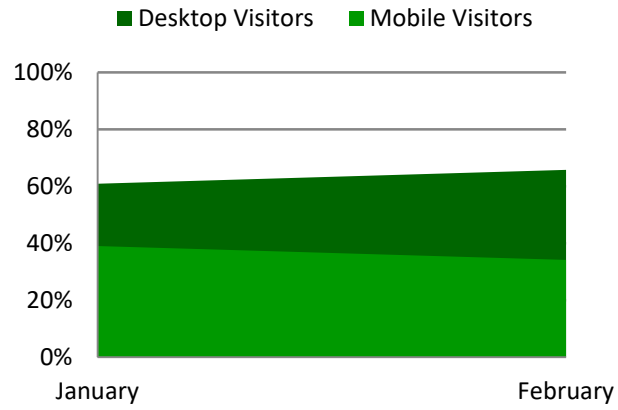
# Public Outreach

## 1,366 Users (Current Month) - NHTMC Website (www.nhtmc.com)

### 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.



37,521 Total Twitter Followers

