

# 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.*

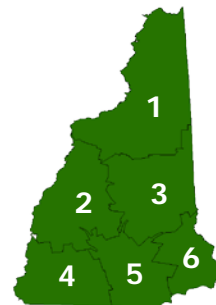
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## ***Transportation Management Center's Mission***

*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
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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
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### 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.

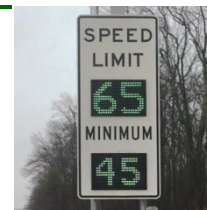
24	24
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### Variable Speed Limit Sign (VSL)

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

19	20
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### Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

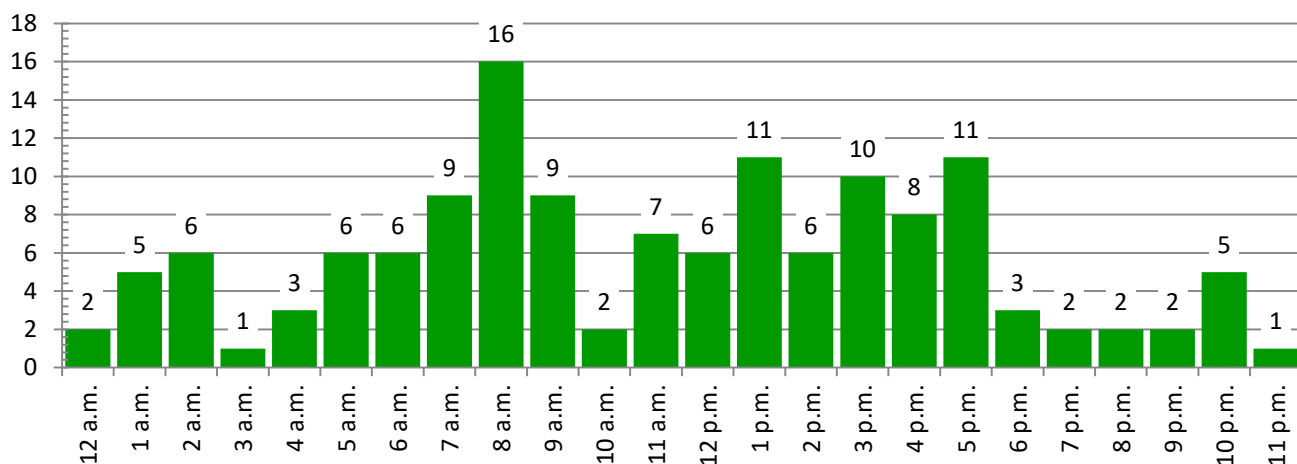
5	7
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# Summary

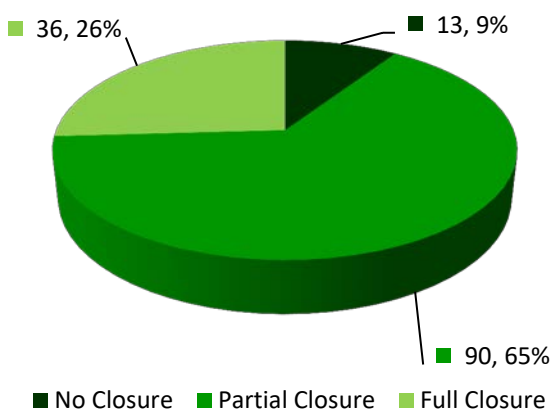
	Current Month	2018 Total
<b>Unplanned Incidents</b>	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	139	2,198
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	121	4,365
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,177	43,398
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	822	10,470
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	17,234	177,767
<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.	1,103	19,735
<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	7

# 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:

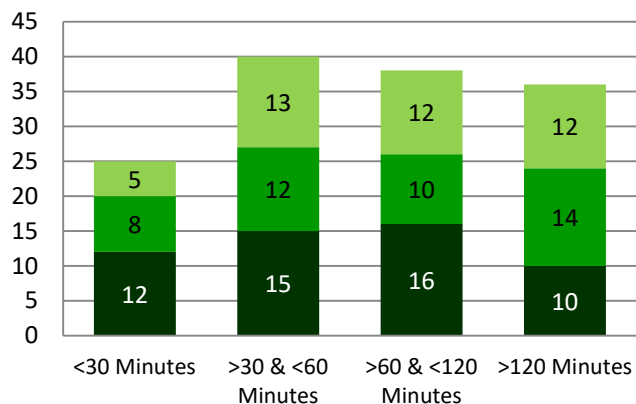
**No Closure:** No lane closures occurred during the incident.

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

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

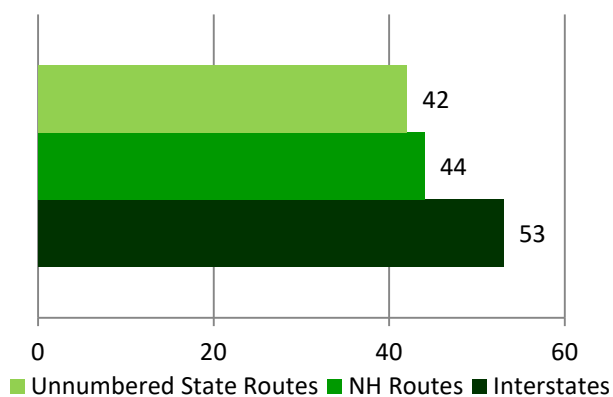
## Current Month - Incident Duration

This graph shows the duration history of incidents.

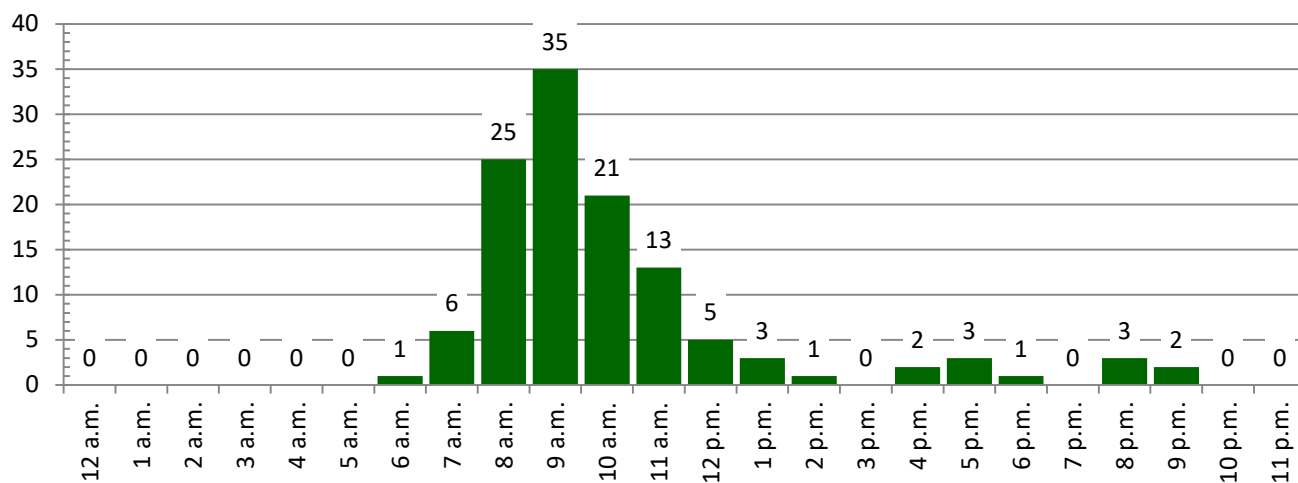


## Current Month - Incident by Road

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

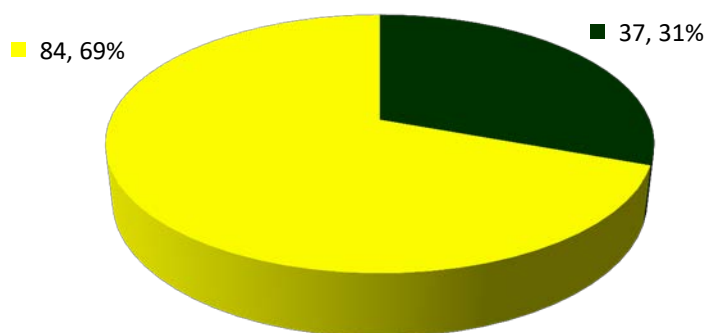


# Planned Events



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



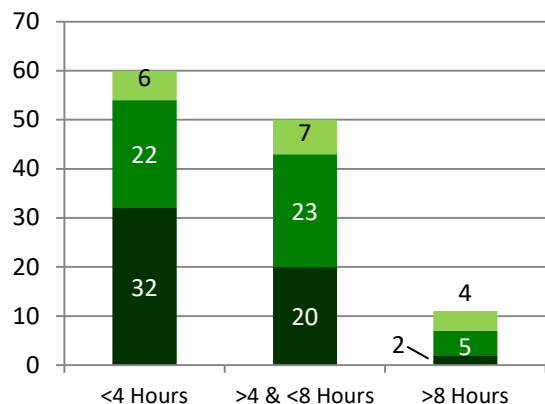
This graph shows the type of incident totals for the month.

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.

- Construction (Partial Closure)
- Construction (Full Closure)
- Bridge Maintenance (Partial Closure)
- Bridge Maintenance (Full Closure)
- Road Maintenance (Partial Closure)
- Road Maintenance (Full Closure)
- Other

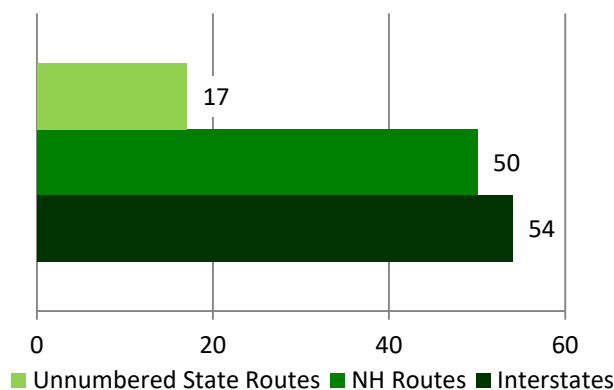
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

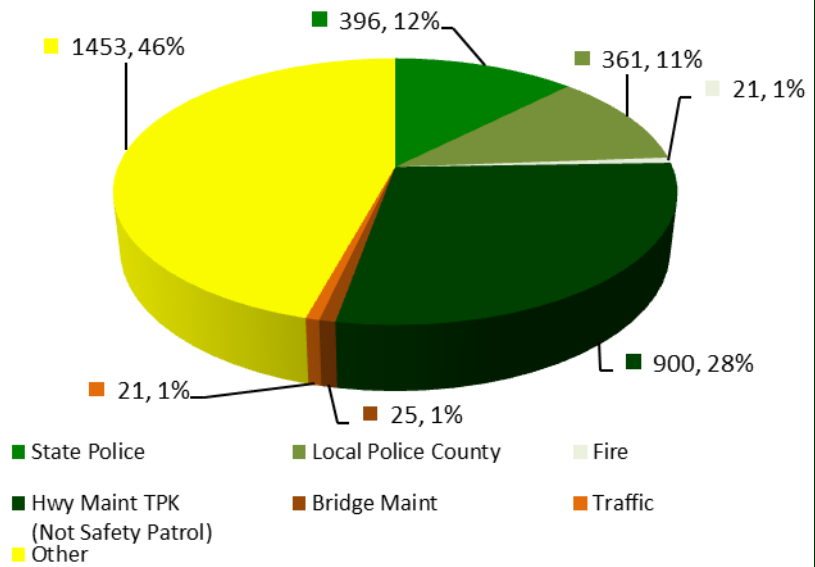
This graph shows which type of roadway the incidents occurred on.



# Communication

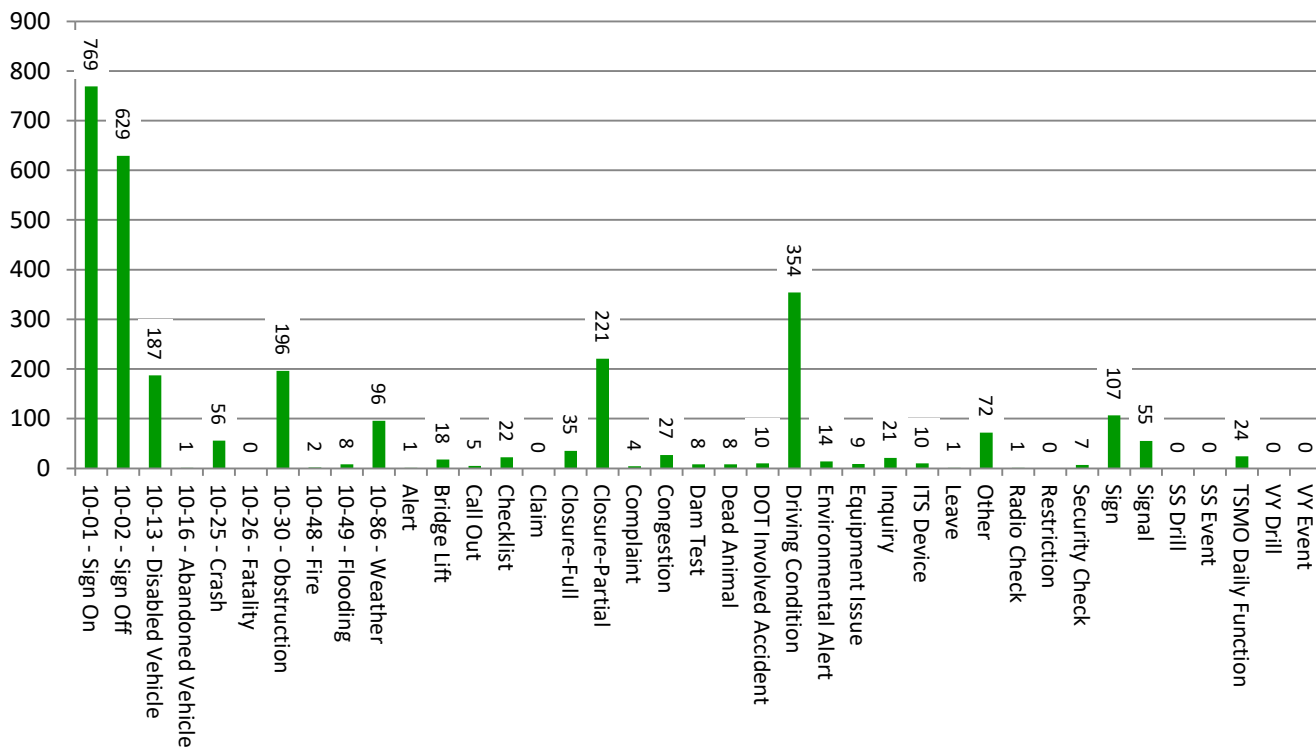
## Current Month - Calls by Type

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



## Log Entries by Type

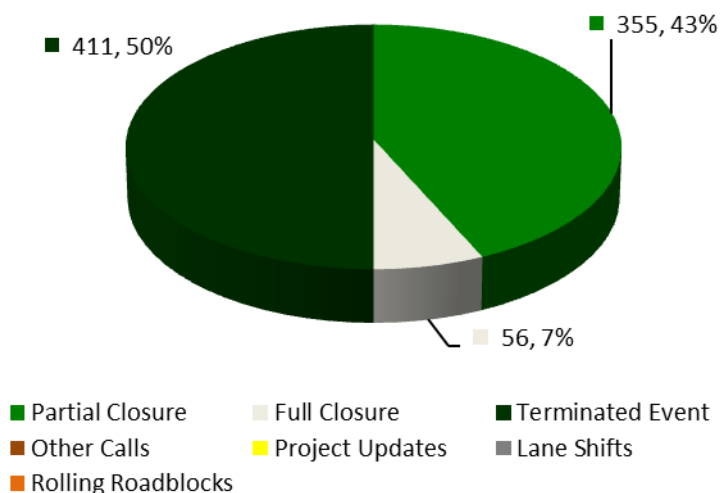
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

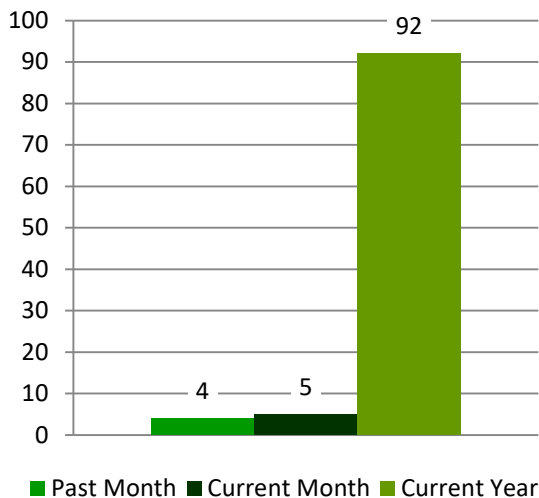
## Current Month – Construction Calls

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

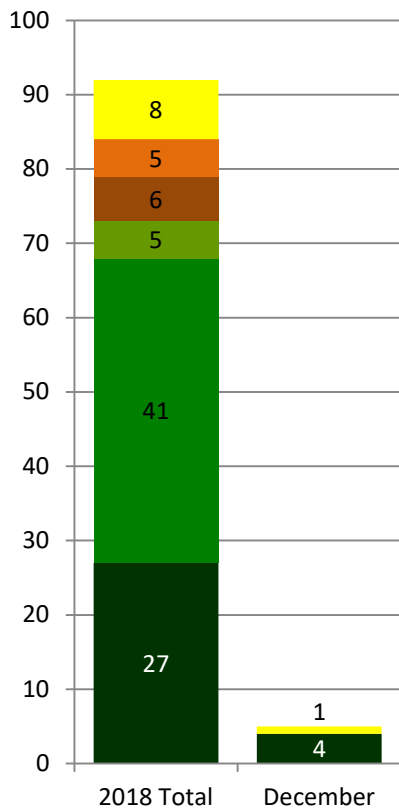


## Incidents Occurring in Work Zones

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

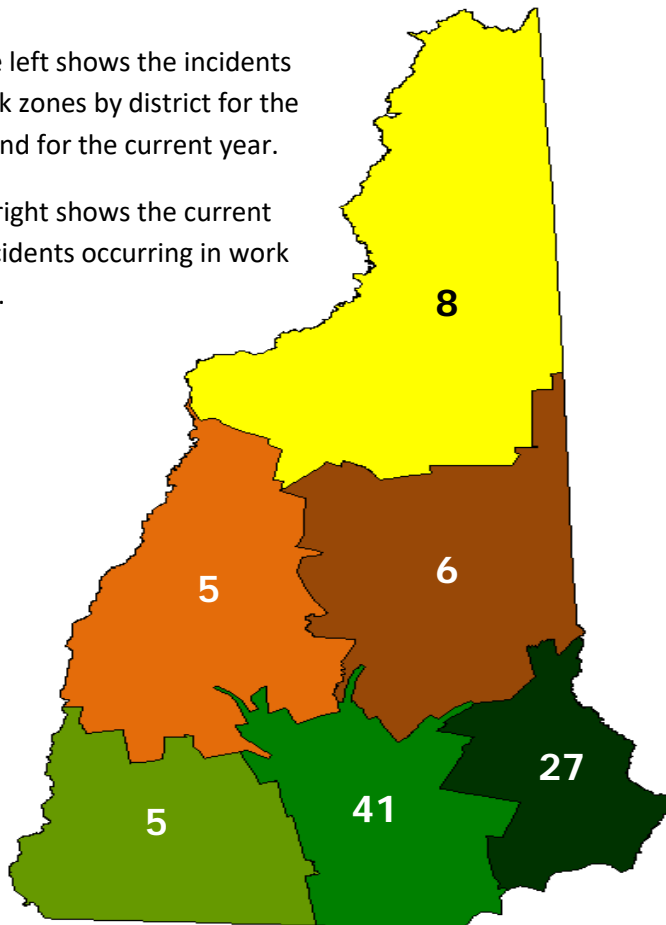


## Incidents Occurring in Work Zones by Location



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

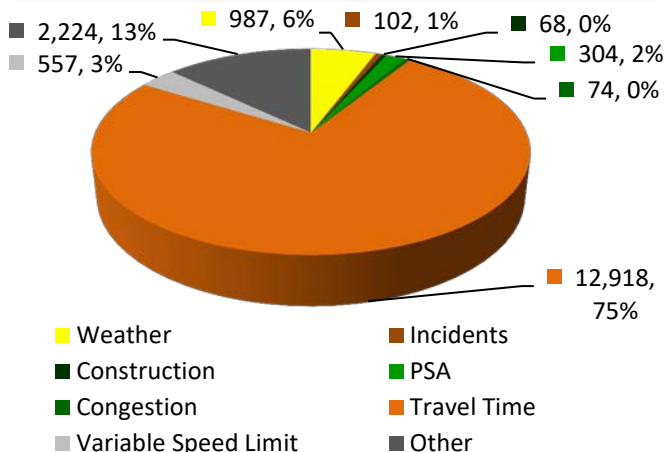
The map to the right shows the current year total for incidents occurring in work zones by district.



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

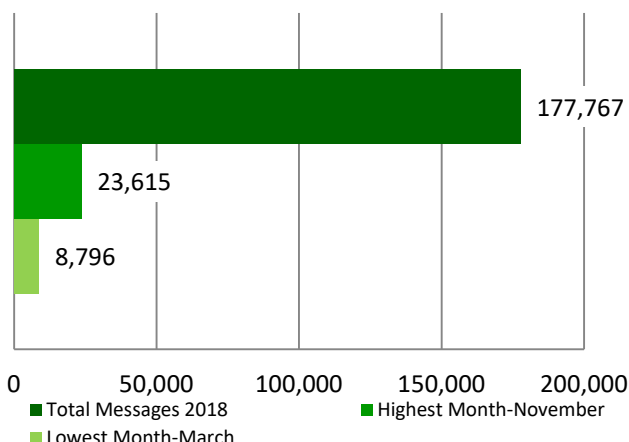
# DMS Messages

## 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 - 2018



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

## Current Month - Total Messages Posted by Board

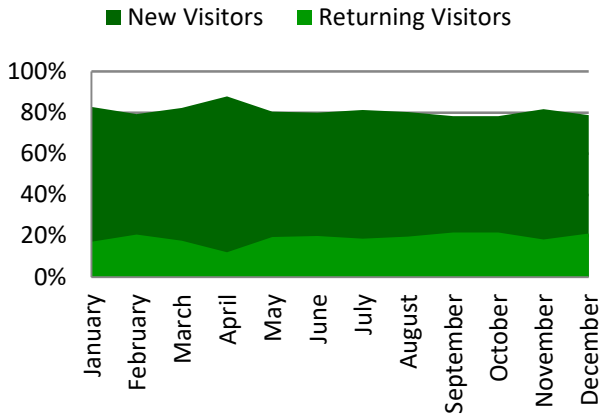
101 E 53.4 PCMS - SWZ M05	15	93 SM 2.2 VSL D 5	25	95S 15.4 FSDT	6
101 W 100.5 VSL D 5	24	93 SM 5.2 VSL D5	37	95S 3.4 FSPT	13
101 WM 100.5 VSL D 5	8	93N 0.0 PCMS - SWZ M01	608	95S 7.6 FSDT	156
101E 102 PSP5	13	93N 0.3 FSD5	549	FEE N 1.2 FSVT	700
101E 114.8 FSV6	197	93N 1.35 PCMS - SWZ M07	544	FEE N 16.2 PCMS - SWZ M03	7
101E 130 FSA6	303	93N 10.95 PCMS - SWZ M04	312	FEE N 16.2 PSVT	30
101E 53.4 FSV5	30	93N 14.8 PCMS - SWZ M05	236	FEE N 18 PCMS - SWZ M02	7
101W 102.6 FSV5	54	93N 16.0 VSL D5	25	FEE N 18.8 FSVT	36
101W 115 PSP5	19	93N 16.0 VSL D5 Median	25	FEE N 18.9 PCMS - SWZ M01	9
101W 128 PSV6	34	93N 2.6 PCMS - SWZ M03	520	FEE N 5.2 PSVT	61
293 N 0.9 PCMS - SWZ M04	18	93N 23.4 FSD5	345	FEE S 17.8 PSVT	53
293 S 1.4 VSL D 5	26	93N 32.4 FSVT	66	FEE S 8.6 FSPT	29
293N 8.8 FSPT	87	93N 36.2 FSVT	48	ST N 1.0 FSAT	773
293S 1.4 FSD5	101	93N 43.8 PSP5	25	ST N 19.2 PSVT	42
293S 2.2 PCMS - SWZ M06	391	93N 57.6 FSV3	65	ST S 11.6 FSA6	373
293S 4.8 FSVT	21	93N 7.2 FSD5	492	ST S 24.4 FSVT	400
393 W 1.9 PSV5	25	93N 99.6 FSA3	15	ST S 3.4 FSDT	1,931
4E 92.4 FSS6	1	93S 117.6 FSA1	14	ST S 34.4 PSVT	42
4E 98 FSA6	10	93S 122.2 FSV1	31	ST S 7.8 FSAT	1,601
89N 1.8 FSV5	211	93S 13.8 PCMS - SWZ M11	309		
89N 18.4 FSV5	134	93S 14.4 VSL D5	55		
89N 28.8 PSP2	28	93S 14.4 VSL D5 Median	55		
89N 35.5 FSV2	66	93S 15.85 PCMS - SWZ M12	363		
89N 43.8 PSV2	48	93S 2.6 PCMS - SWZ M08	165		
89N 55.0 PSV2	5	93S 20.1 PCMS - SWZ M13	447		
89S 10.8 FSV5	204	93S 23.4 FSD5	426		
89S 3.4 FSV5	468	93S 27.8 FSDT	1,000		
89S 31.4 PSP5	11	93S 32.4 FSVT	52		
89S 42.6 PSV2	46	93S 36.0 PSVT	63		
89S 55.0 PSV2	51	93S 39.0 FSV5	88		
89S 57.5 PSV2	4	93S 43.3 PSV5	28		
93 N 0.3 VSL D 5	24	93S 48.0 FSV5	60		
93 N 2.35 VSL D 5	24	93S 5.2 PCMS - SWZ M09	198		
93 N 3.8 VSL D5	38	93S 57.6 PSP5	27		
93 N 6.6 VSL D5	24	93S 68.8 FSV3	46		
93 NM 2.35 VSL D 5	16	93S 7.2 FSD5	196		
93 NM 3.8 VSL D5	38	93S 85.4 FSV3	62		
93 NM 6.6 VSL D5	25	95N 0.4 FSVT	171		
93 S 2.2 VSL D 5	25	95N 13.0 FSVT	41		
93 S 5.2 VSL D5	38	95N 14.8 FSDT	44		
93 SM 19.8 VSL D 5	25	95N 3.0 FSDT	152		



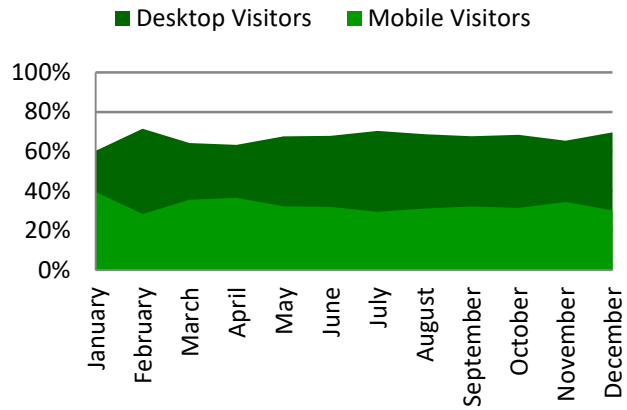
# Public Outreach

## 1,103 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.



36,587 Twitter Followers

