

# 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.*

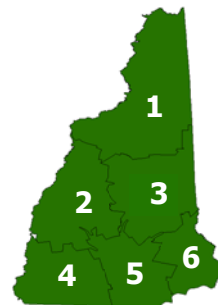
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### ***Transportation Management Center's Mission***

*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

2019 Total      2020 Total

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

103      103



### Dynamic Message Signs (DMS)

DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.

55      55  
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.

25      25



### Variable Speed Limit Sign (VSL)

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

18      18



### Motor Vehicle Detection System (MVDS)

MVDS are sensors that collect speed and volume data.

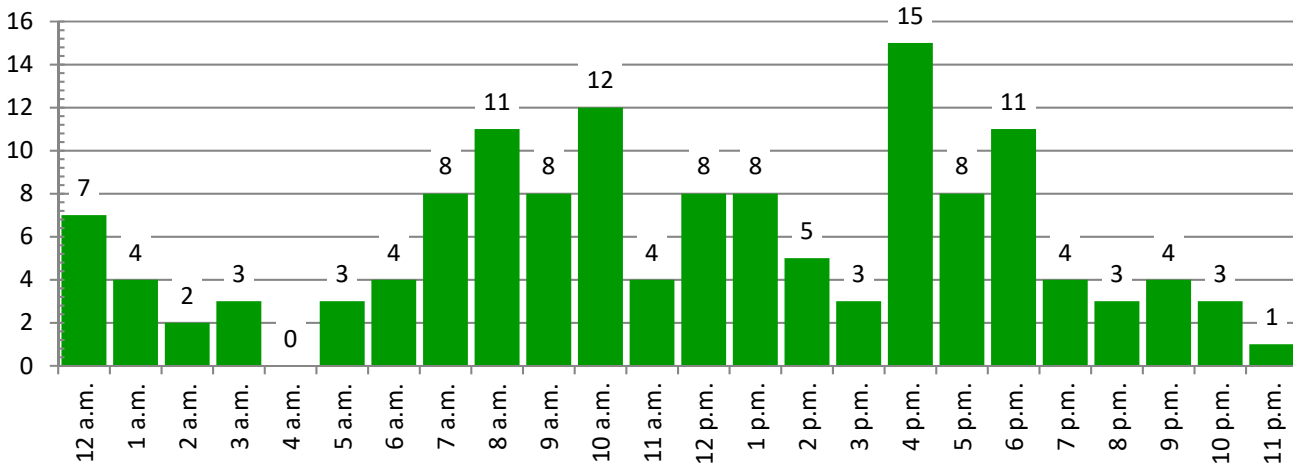
8      8



# Summary

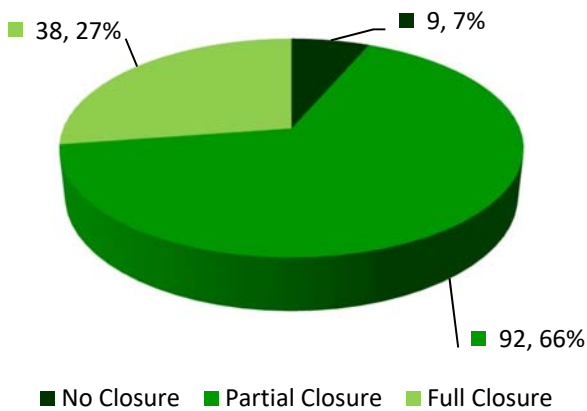
	Current Month	2020 Total
<b>Unplanned Incidents</b>		
	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	139	139
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	124	124
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,339	3,339
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	868	868
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	17,737	17,737
<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.	1,651	1,651
<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	0

# 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:

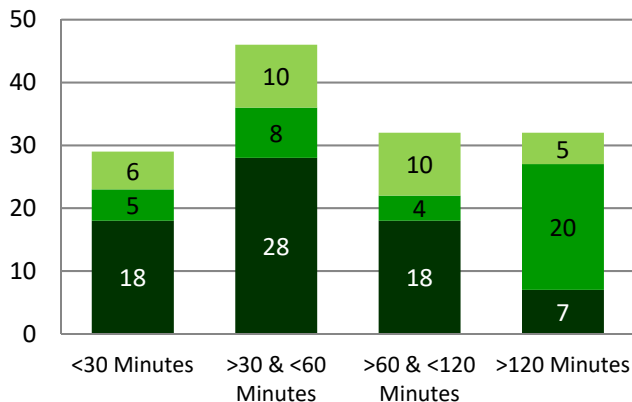
**No Closure:** No lane closures occurred during the incident.

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

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

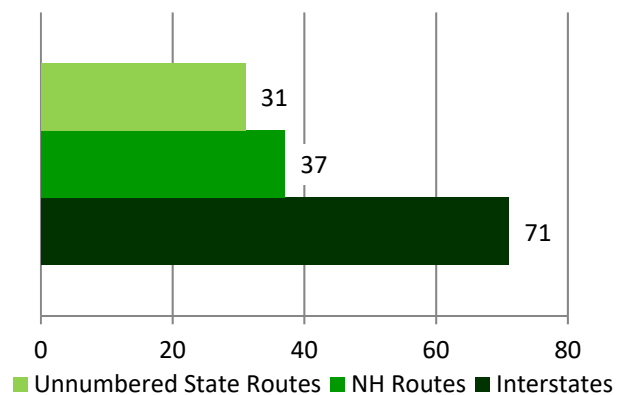
## Current Month - Incident Duration

This graph shows the duration history of incidents.

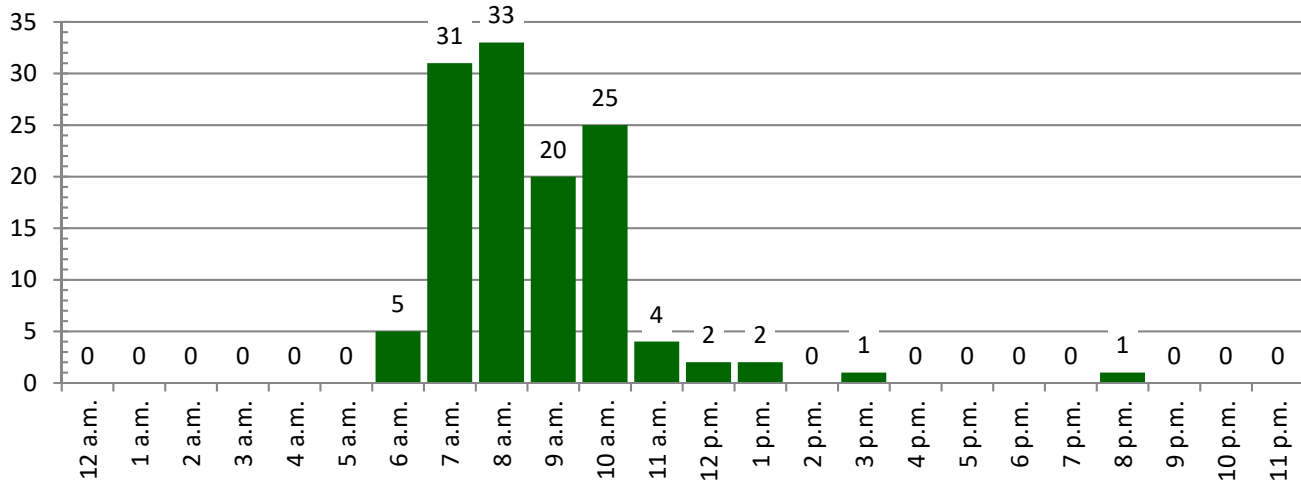


## Current Month - Incident by Road

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

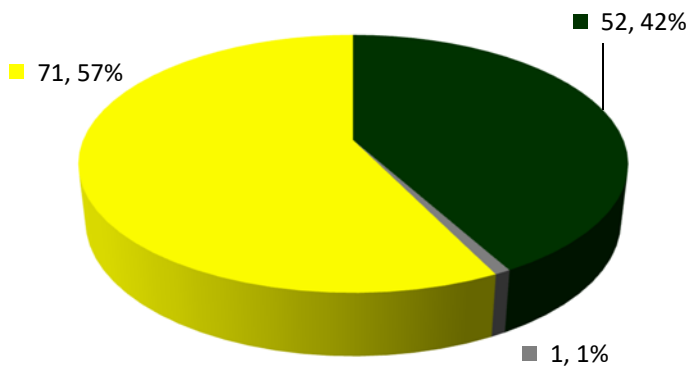


# Planned Events



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



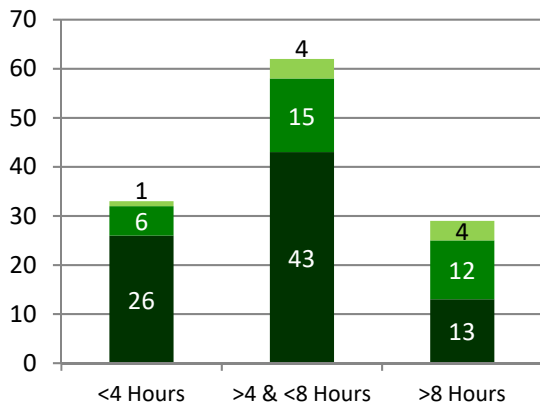
This graph shows the type of incident totals for the month.

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

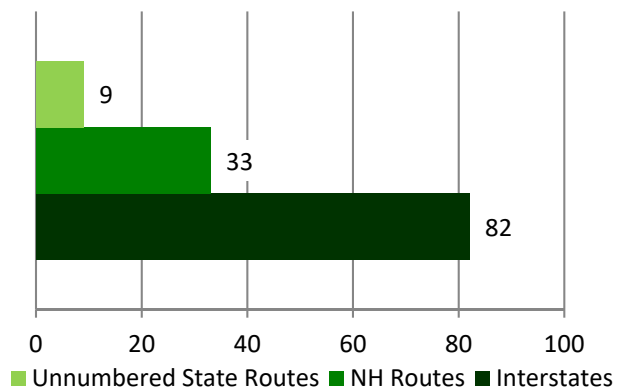
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

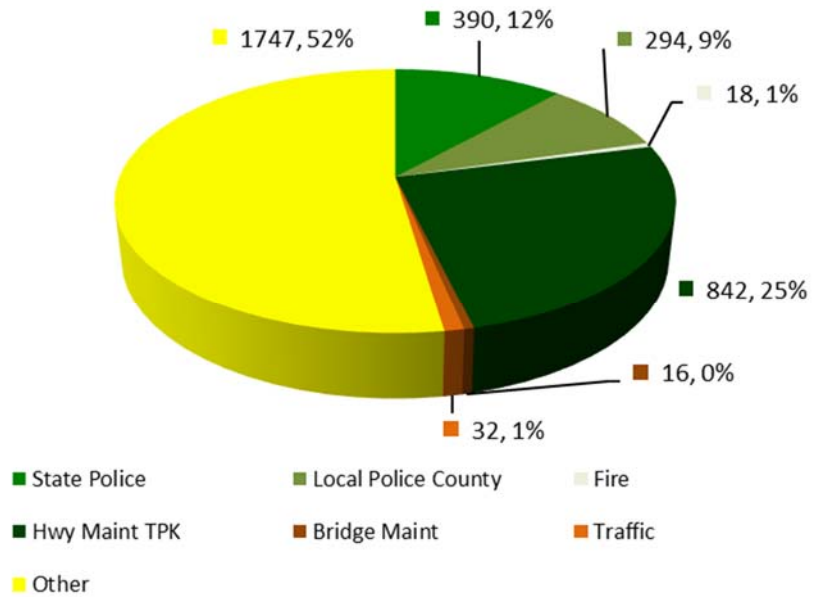
This graph shows which type of roadway the incidents occurred on.



# Communication

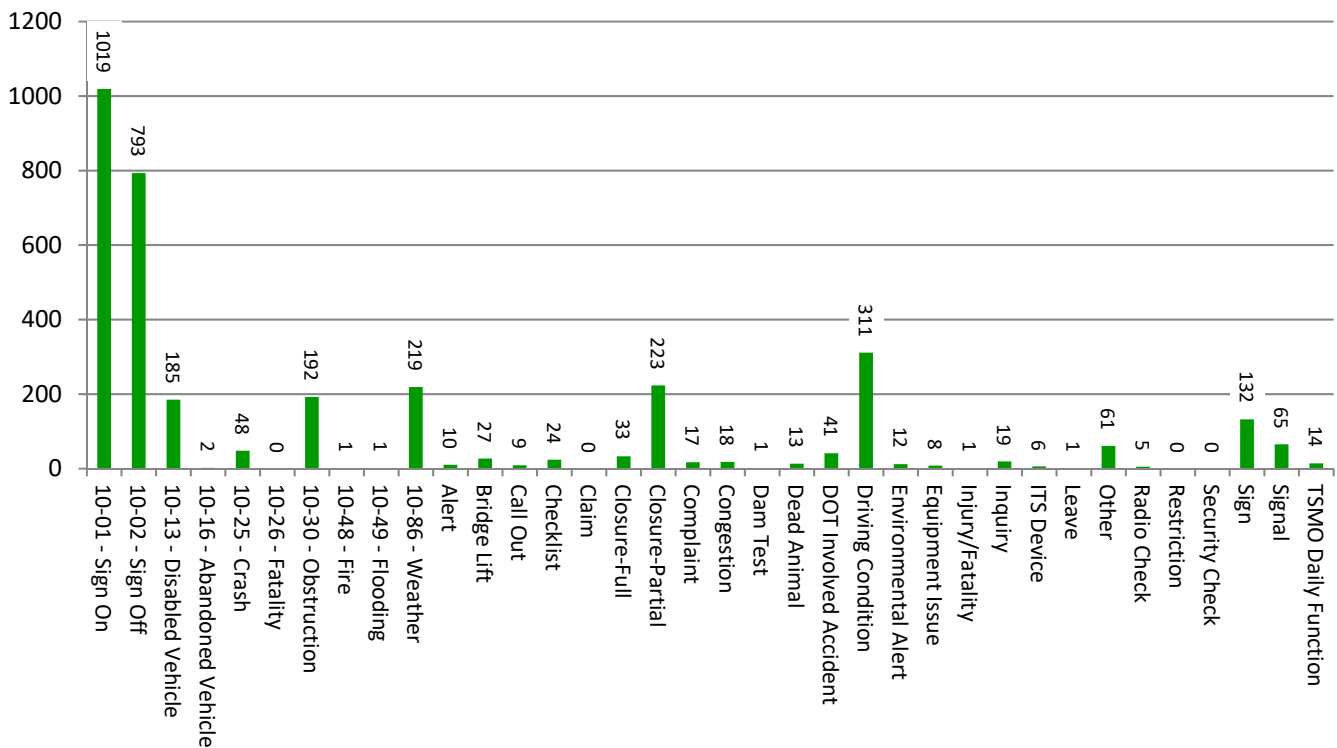
## Current Month - Calls by Type

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



## Log Entries by Type

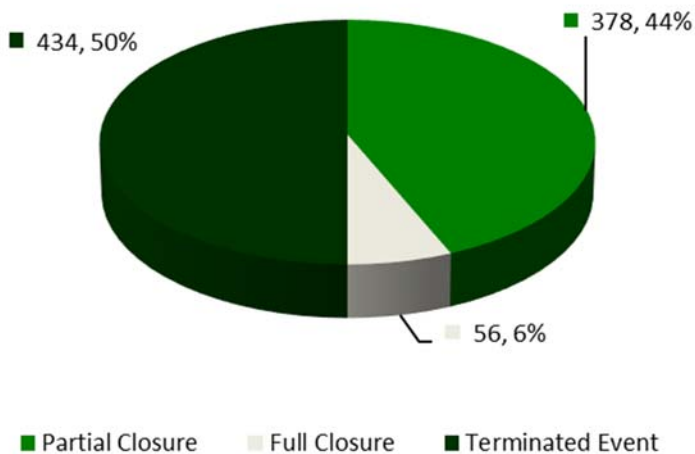
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

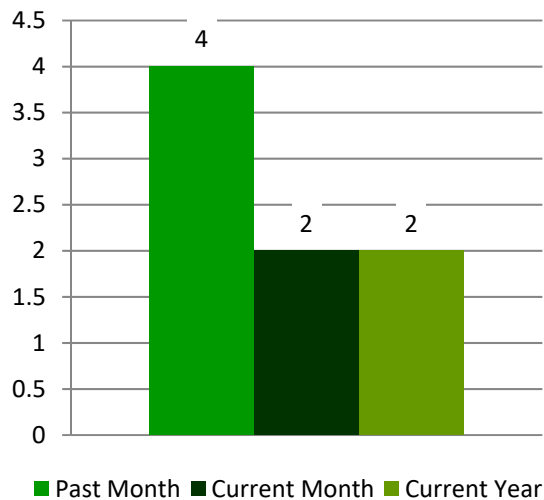
## Current Month – Construction Calls

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

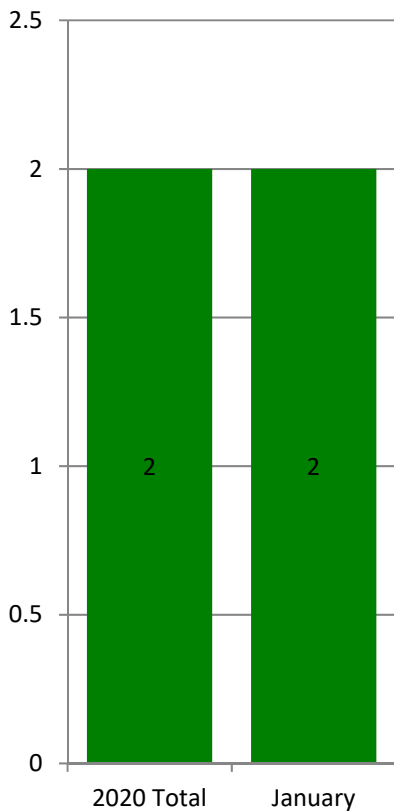


## Incidents Occurring in Work Zones

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

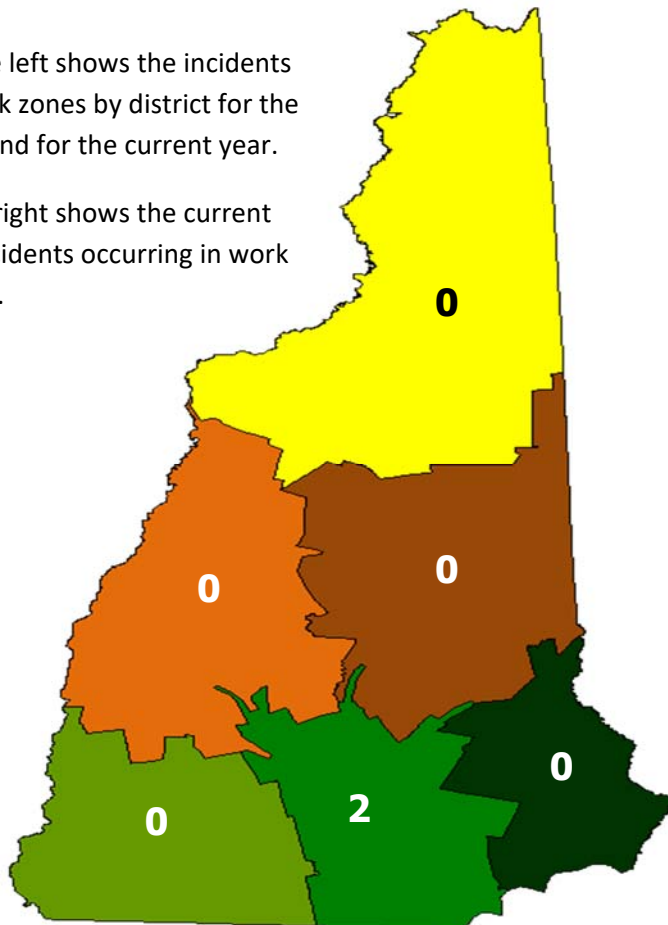


## Incidents Occurring in Work Zones by Location



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

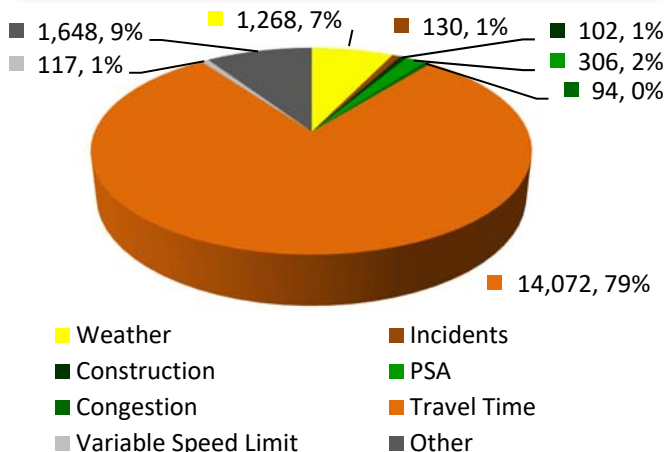
The map to the right shows the current year total for incidents occurring in work zones by district.



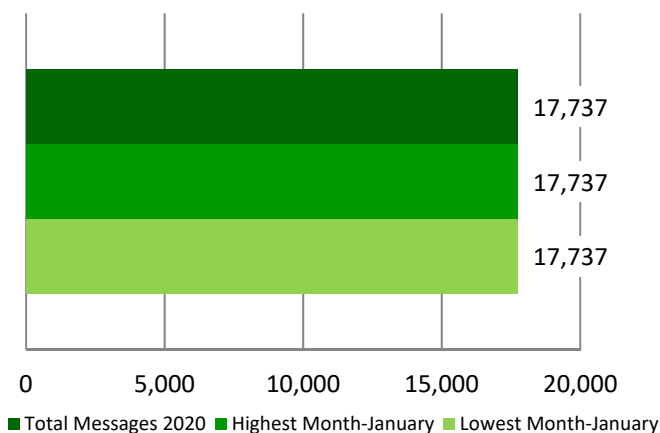
- District 6
- District 5
- District 4
- District 3
- District 2
- District 1

# DMS Messages

### Current Month - Messages by Type



### Total Messages - 2020



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

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

### Current Month - Total Messages Posted by Board

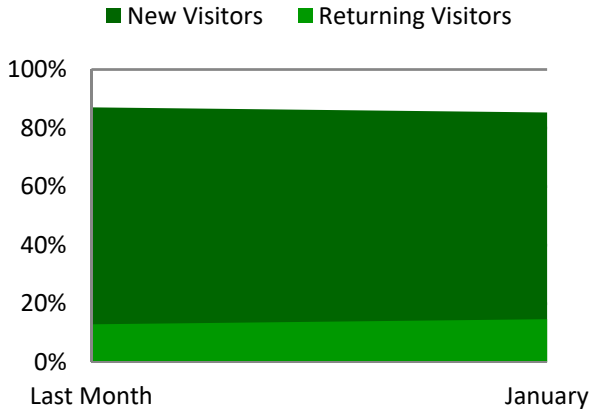
101 W 100.5 VSL D 5	12	93N 1.35 PCMS - SWZ M07	651	FEE N 1.2 FSVT	48
101 WM 100.5 VSL D 5	12	93N 10.95 PCMS - SWZ M04	493	FEE N 16.2 PSVT	31
101E 102 PSP5	16	93N 14.8 PCMS - SWZ M05	297	FEE N 18.8 FSVT	37
101E 114.8 FSV6	153	93N 16.0 VSL D5	12	FEE N 5.2 PSVT	73
101E 130 FSA6	219	93N 16.0 VSL D5 Median	14	FEE S 17.8 PSVT	49
101E 53.4 FSV5	34	93N 2.6 PCMS - SWZ M03	667	FEE S 8.6 FSPT	22
101W 102.6 FSV5	44	93N 23.4 FSD5	476	ST N 19.2 PSVT	40
101W 115 PSP5	18	93N 32.4 FSVT	72	ST S 24.4 FSVT	370
101W 128 PSV6	39	93N 36.2 FSVT	69	ST S 3.4 FSDT	2,495
293 S 1.4 VSL D 5	13	93N 43.8 PSP5	34	ST S 34.4 PSVT	42
293N 8.8 FSPT	444	93N 7.2 FSD5	633	ST S 7.8 FSAT	2,110
293S 1.4 FSD5	73	93N 76.4 FSV3	43	WA W 0.5 FSST	24
293S 2.2 PCMS - SWZ M06	696	93N 82.6 FSV3	53		
293S 4.8 FSVT	31	93N 99.6 FSA3	32		
393 W 1.9 PSV5	20	93S 117.6 FSA1	25		
4E 92.4 FSS6	23	93S 122.2 FSV1	24		
4E 98 FSA6	22	93S 13.8 PCMS - SWZ M11	396		
89N 1.8 FSV5	175	93S 14.4 VSL D5	4		
89N 18.4 FSV5	42	93S 14.4 VSL D5 Median	4		
89N 28.8 PSV2	15	93S 15.85 PCMS - SWZ M12	382		
89N 35.5 FSV2	63	93S 2.6 PCMS - SWZ M08	180		
89N 43.8 PSV2	48	93S 20.1 PCMS - SWZ M13	333		
89N 54.9 FSS2	33	93S 23.4 FSD5	653		
89S 10.8 FSV5	362	93S 27.8 FSDT	1,159		
89S 3.4 FSV5	576	93S 32.4 FSVT	48		
89S 31.4 PSP5	44	93S 36.0 PSVT	60		
89S 42.6 PSV2	52	93S 39.0 FSV5	72		
89S 55.0 PSV2	49	93S 43.3 PSV5	21		
89S 57.7 FSS2	31	93S 48.0 FSV5	65		
93 N 0.3 VSL D 5	4	93S 5.2 PCMS - SWZ M09	223		
93 N 2.35 VSL D 5	4	93S 57.6 PSP5	23		
93 N 3.8 VSL D5	6	93S 68.8 FSV3	39		
93 N 6.6 VSL D5	4	93S 7.2 FSD5	192		
93 NM 2.35 VSL D 5	4	93S 85.4 FSV3	56		
93 NM 3.8 VSL D5	4	95N 0.4 FSVT	236		
93 NM 6.6 VSL D5	4	95N 13.0 FSVT	46		
93 S 2.2 VSL D 5	4	95N 14.8 FSDT	50		
93 S 5.2 VSL D5	4	95N 3.0 FSDT	238		
93 SM 2.2 VSL D 5	4	95S 15.4 FSDT	139		
93 SM 5.2 VSL D5	4	95S 3.4 FSPT	20		
93N 0.3 FSD5	618	95S 7.6 FSDT	139		



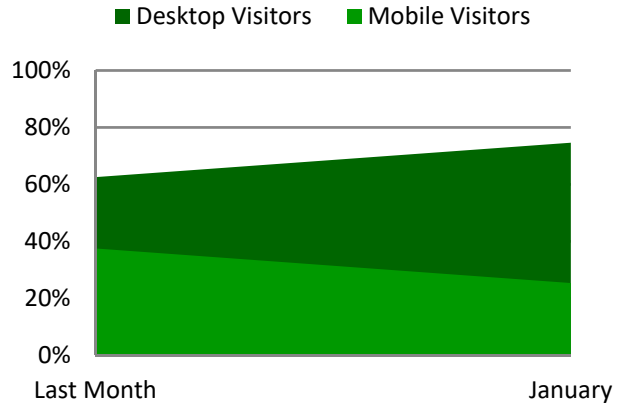
# Public Outreach

## 1,651 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.



40,316 Total Twitter Followers

