

# 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.*

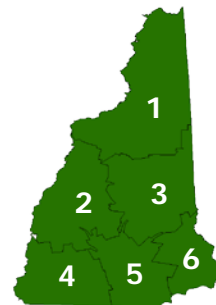
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## ***Transportation Management Center's Mission***

*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

2018 Total	2019 Total
97	103

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



### Dynamic Message Signs (DMS)

2018 Total	2019 Total
56	55
16 <sup>1</sup>	16 <sup>1</sup>
20 <sup>2</sup>	20 <sup>2</sup>

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

<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)

2018 Total	2019 Total
24	25

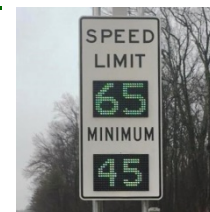
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### Variable Speed Limit Sign (VSL)

2018 Total	2019 Total
20	18

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



### Motor Vehicle Detection System (MVDS)

2018 Total	2019 Total
7	8

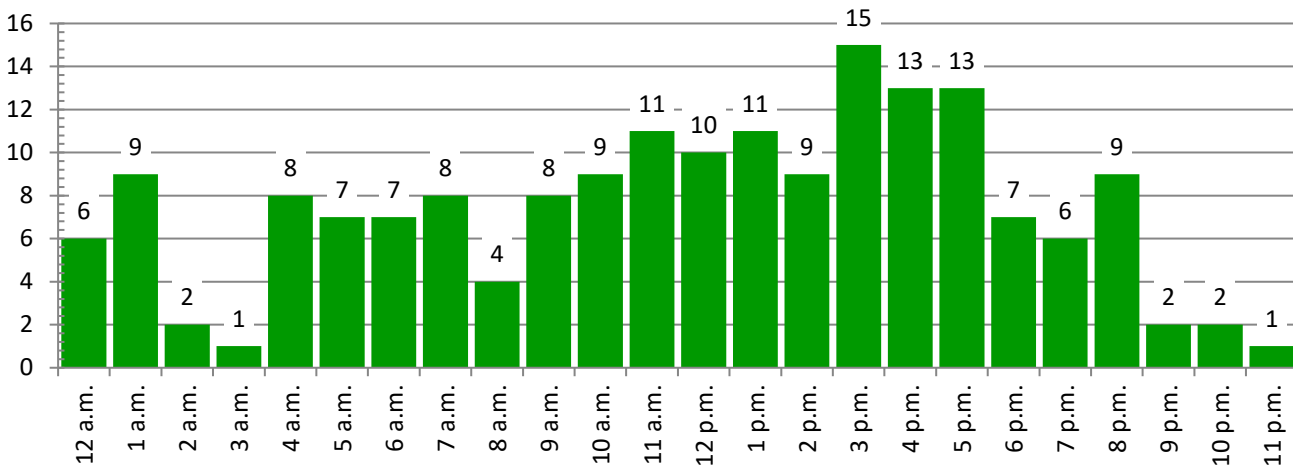
MVDS are sensors that collect speed and volume data.



# Summary

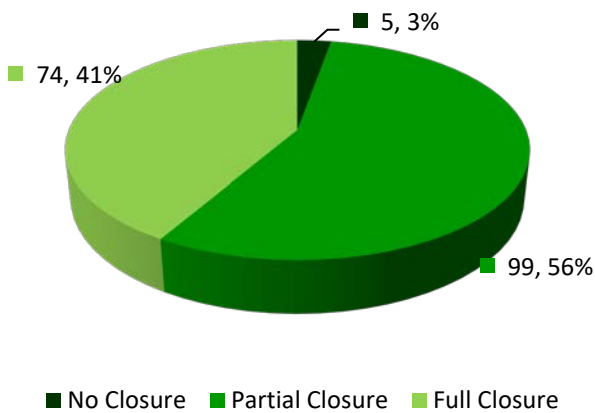
	Current Month	2019 Total
<b>Unplanned Incidents</b>	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	178	1,669
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	205	3,497
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,117	42,283
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	1,316	18,680
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	20,820	243,788
<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.	1,744	15,807
<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.	2	5

# 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:

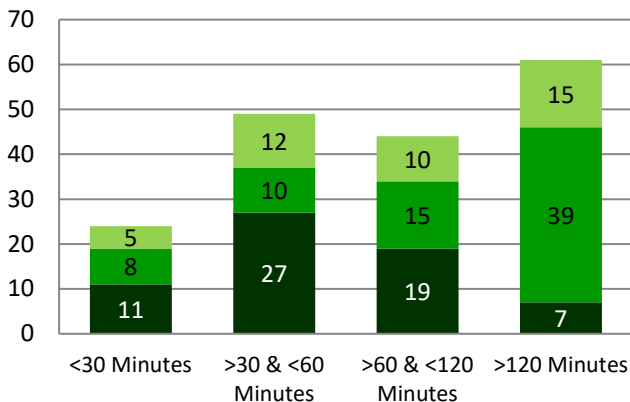
**No Closure:** No lane closures occurred during the incident.

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

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

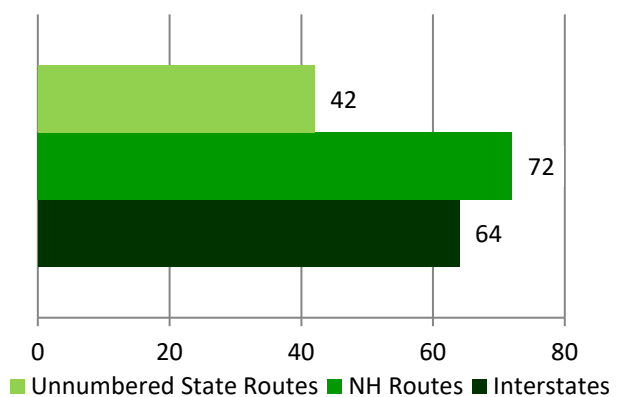
## Current Month - Incident Duration

This graph shows the duration history of incidents.

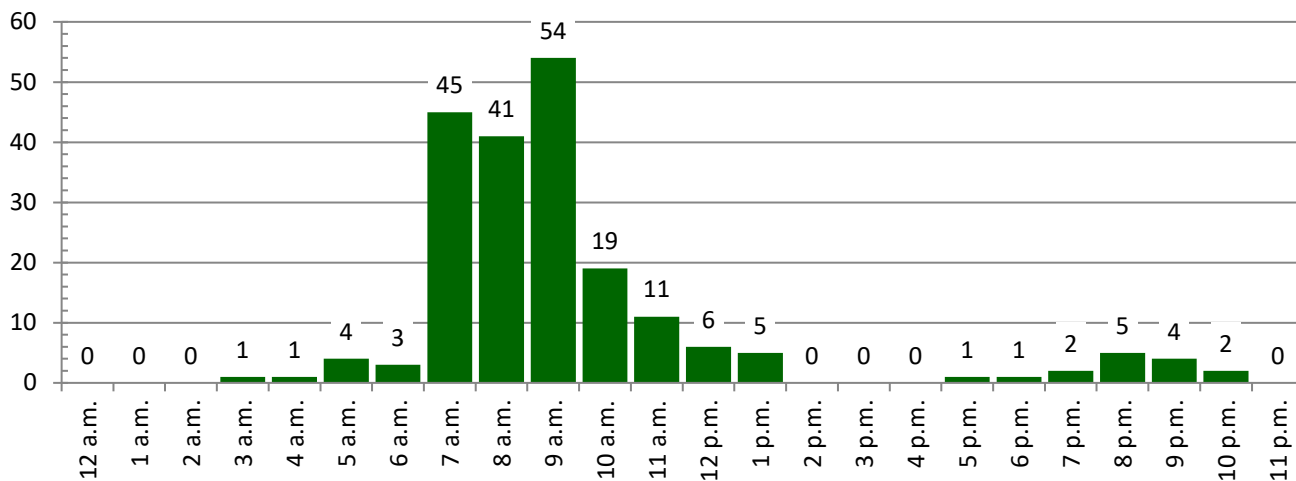


## Current Month - Incident by Road

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

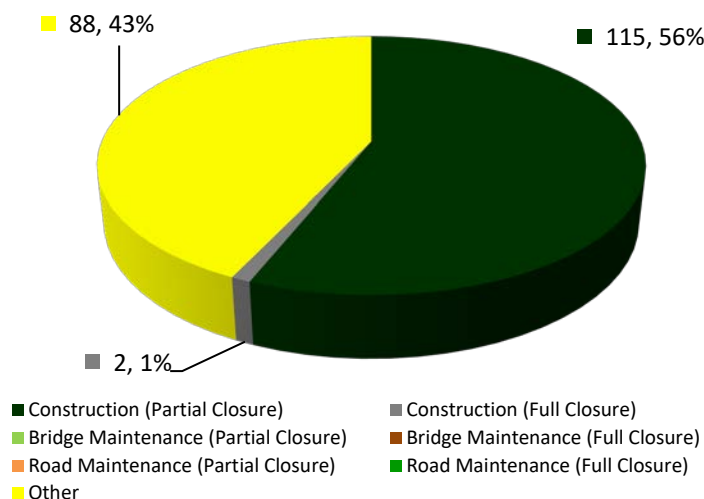


# Planned Events



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

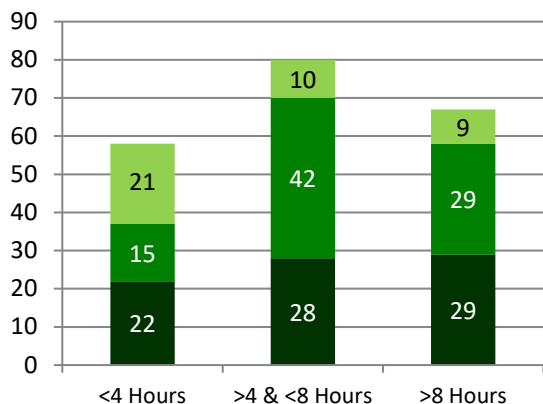


This graph shows the type of incident totals for the month.

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.

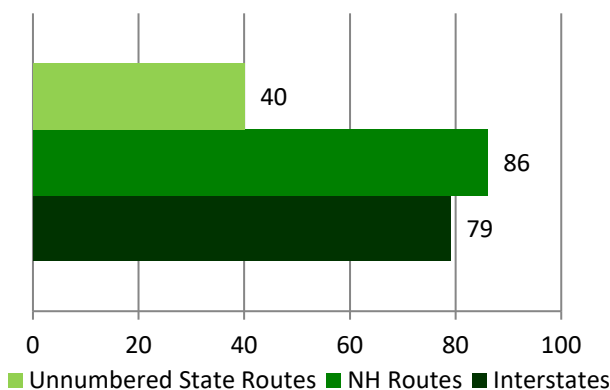
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

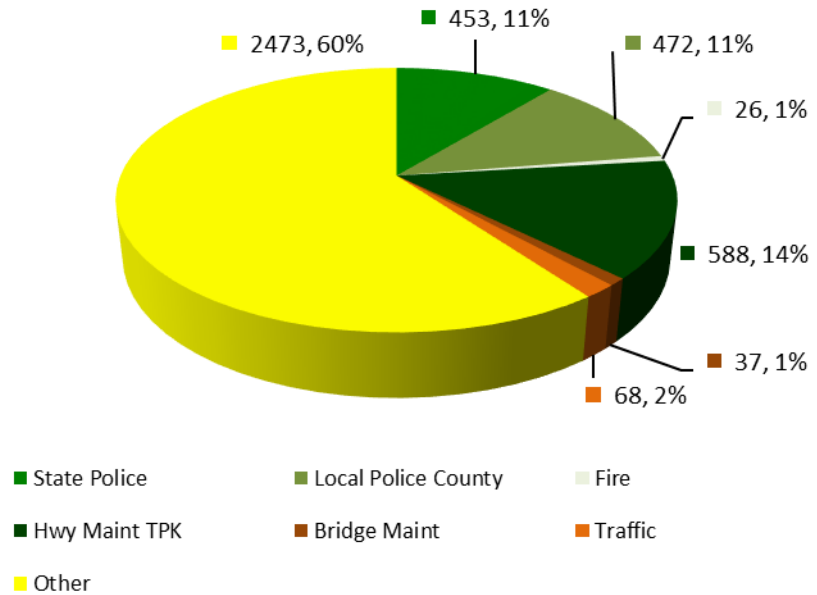
This graph shows which type of roadway the incidents occurred on.



# Communication

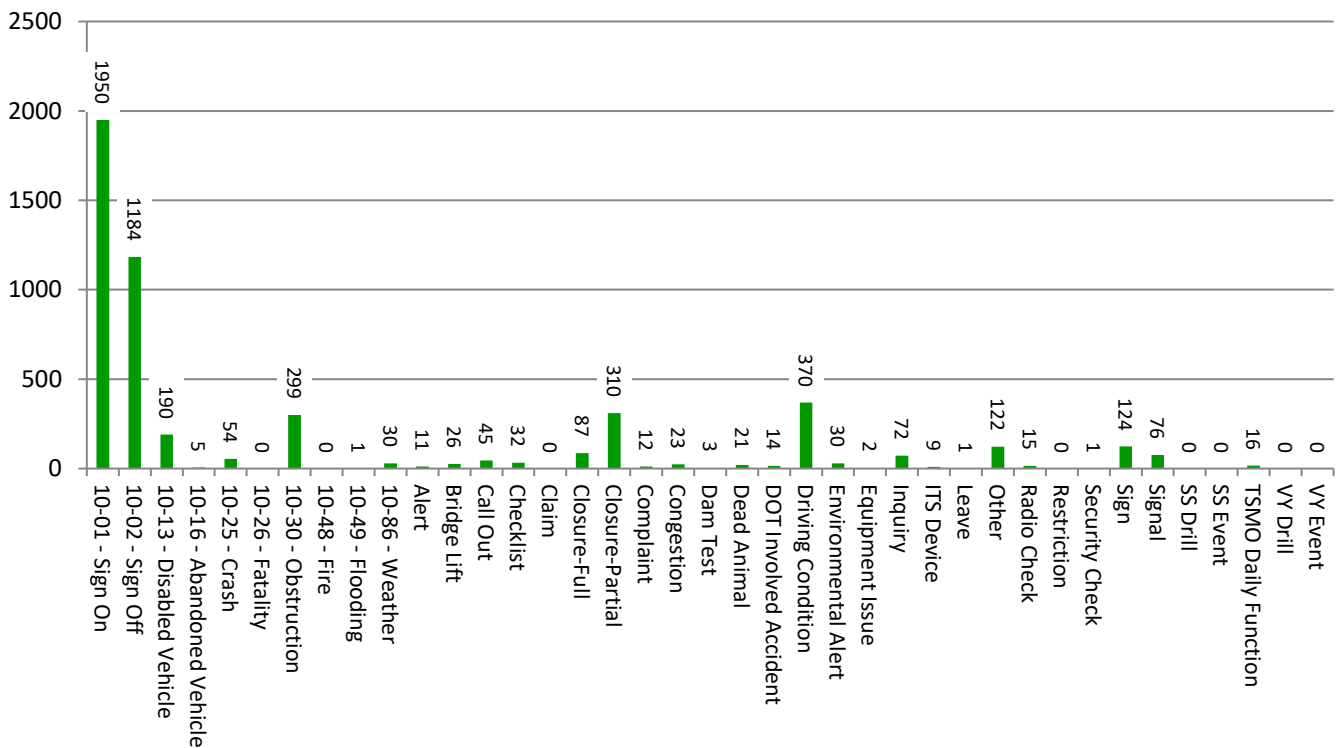
## Current Month - Calls by Type

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



## Log Entries by Type

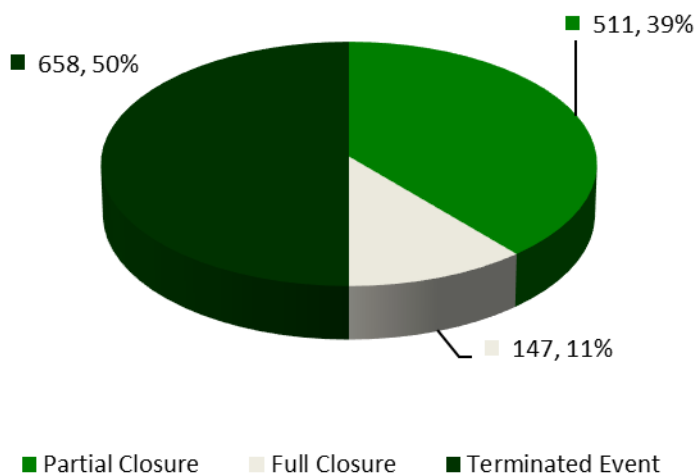
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

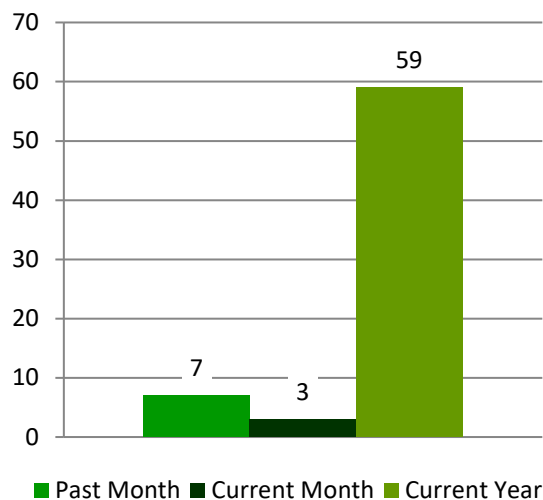
## Current Month – Construction Calls

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

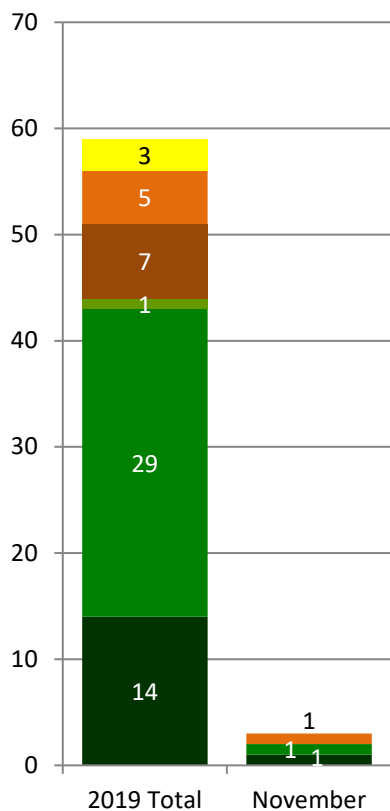


## Incidents Occurring in Work Zones

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

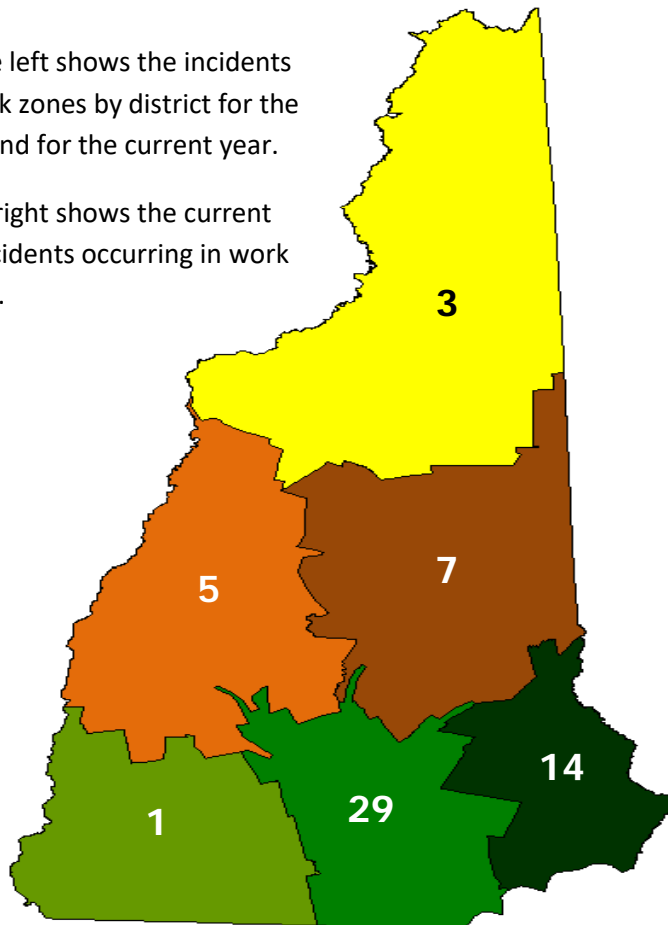


## Incidents Occurring in Work Zones by Location



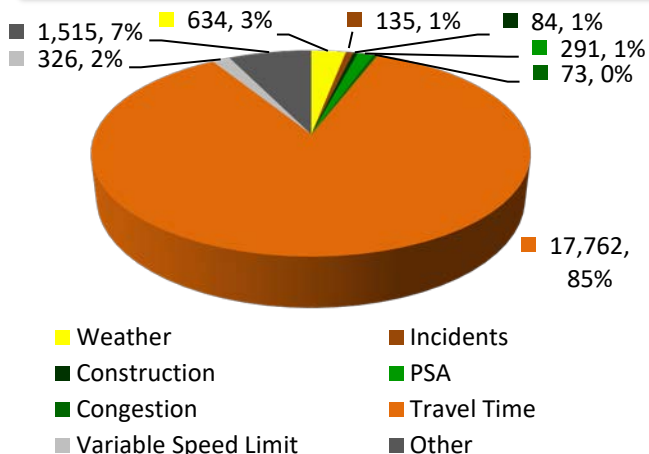
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

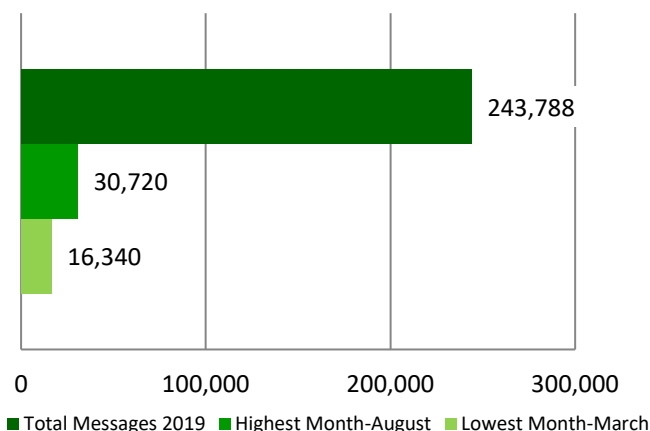


# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2019



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

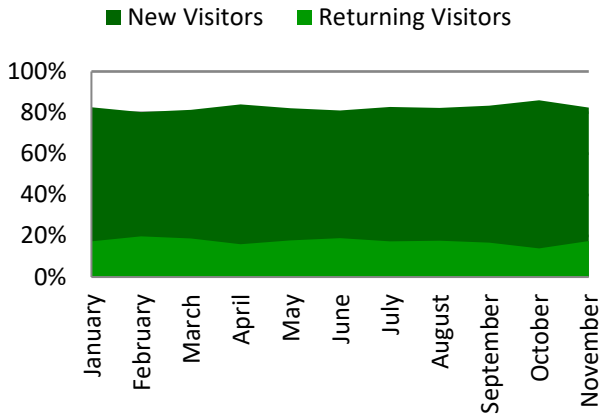
101 W 100.5 VSL D 5	13	93 SM 2.2 VSL D 5	13	95N 3.0 FSDT	150
101 WM 100.5 VSL D 5	14	93 SM 5.2 VSL D5	16	95S 15.4 FSDT	116
101E 102 PSP5	5	93N 0.0 PCMS - SWZ M01	1,036	95S 3.4 FSPT	7
101E 114.8 FSV6	138	93N 0.3 FSD5	902	95S 7.6 FSDT	107
101E 130 FSA6	171	93N 1.35 PCMS - SWZ M07	923	FEE N 1.2 FSVT	62
101E 53.4 FSV5	18	93N 10.95 PCMS - SWZ M04	538	FEE N 16.2 PSVT	9
101W 102.6 FSV5	24	93N 14.8 PCMS - SWZ M05	450	FEE N 18.8 FSVT	20
101W 115 PSP5	5	93N 16.0 VSL D5	13	FEE N 5.2 PSVT	35
101W 128 PSV6	21	93N 16.0 VSL D5 Median	16	FEE S 17.8 PSVT	26
293 S 1.4 VSL D 5	13	93N 2.6 PCMS - SWZ M03	926	FEE S 8.6 FSPT	25
293N 8.8 FSPT	448	93N 23.4 FSD5	458	ST N 1.0 FSAT	548
293S 1.4 FSD5	58	93N 32.4 FSVT	34	ST N 19.2 PSVT	15
293S 2.2 PCMS - SWZ M06	494	93N 36.2 FSVT	39	ST S 11.6 FSA6	265
293S 4.8 FSVT	9	93N 43.8 PSP5	10	ST S 24.4 FSVT	442
393 W 1.9 PSV5	15	93N 7.2 FSD5	782	ST S 3.4 FSDT	3,099
4E 92.4 FSS6	12	93N 76.4 FSV3	26	ST S 34.4 PSVT	13
4E 98 FSA6	12	93N 99.6 FSA3	20	ST S 7.8 FSAT	2,619
89N 1.8 FSV5	193	93S 117.6 FSA1	19	WA W 0.5 FSST	11
89N 15.5 PCMS - SWZ M01	17	93S 122.2 FSV1	18		
89N 15.9 PCMS - SWZ M-02	21	93S 13.8 PCMS - SWZ M11	347		
89N 18.4 FSV5	121	93S 14.4 VSL D5	31		
89N 35.5 FSV2	49	93S 14.4 VSL D5 Median	31		
89N 43.8 PSV2	44	93S 15.85 PCMS - SWZ M12	390		
89N 54.9 FSS2	32	93S 2.6 PCMS - SWZ M08	271		
89S 10.8 FSV5	163	93S 20.1 PCMS - SWZ M13	425		
89S 20.6 PCMS - SWZ M-04	10	93S 23.4 FSD5	338		
89S 21.1 PCMS - SWZ M-03	7	93S 27.8 FSDT	1,144		
89S 3.4 FSV5	443	93S 32.4 FSVT	37		
89S 31.4 PSP5	22	93S 36.0 PSVT	35		
89S 42.6 PSV2	45	93S 39.0 FSV5	60		
89S 55.0 PSV2	49	93S 43.3 PSV5	16		
89S 57.7 FSS2	148	93S 48.0 FSV5	40		
93 N 0.3 VSL D 5	14	93S 5.2 PCMS - SWZ M09	319		
93 N 2.35 VSL D 5	13	93S 57.6 PSP5	14		
93 N 3.8 VSL D5	16	93S 68.8 FSV3	21		
93 N 6.6 VSL D5	30	93S 7.2 FSD5	214		
93 NM 2.35 VSL D 5	15	93S 85.4 FSV3	31		
93 NM 3.8 VSL D5	17	93S 99.2 FSA3	11		
93 NM 6.6 VSL D5	31	95N 0.4 FSVT	168		
93 S 2.2 VSL D 5	14	95N 13.0 FSVT	34		
93 S 5.2 VSL D5	16	95N 14.8 FSDT	35		



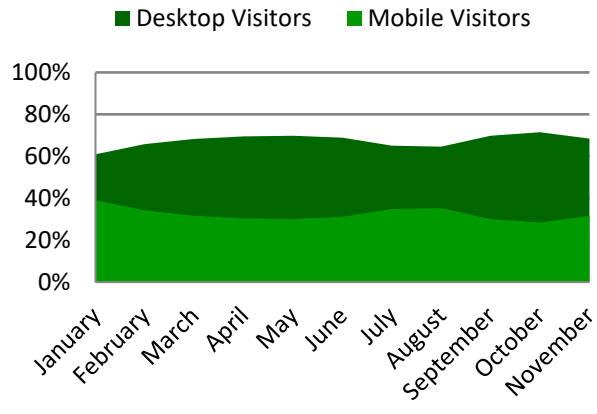
# Public Outreach

## 1,744 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.



39,293 Total Twitter Followers

