

# 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.*

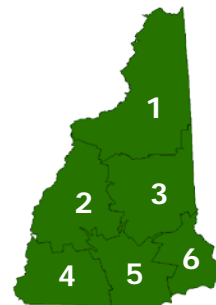
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## ***Transportation Management Center's Mission***

*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.	226	1,895

	Current Month	2019 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.	96	3,593

	Current Month	2019 Total
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,918	46,201

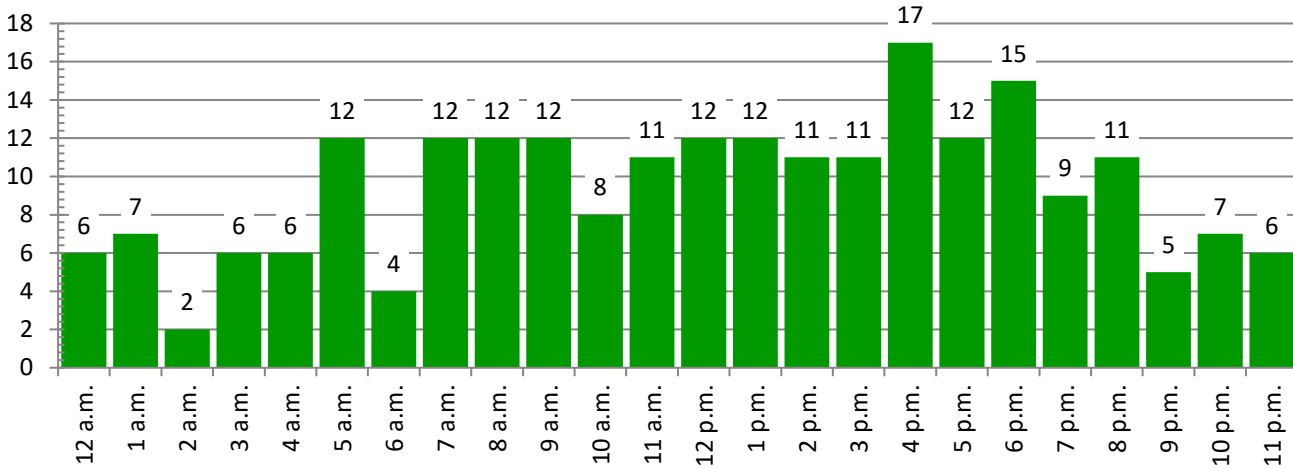
	Current Month	2019 Total
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	1,054	19,734

	Current Month	2019 Total
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	19,793	263,581

	Current Month	2019 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.	2,548	18,355

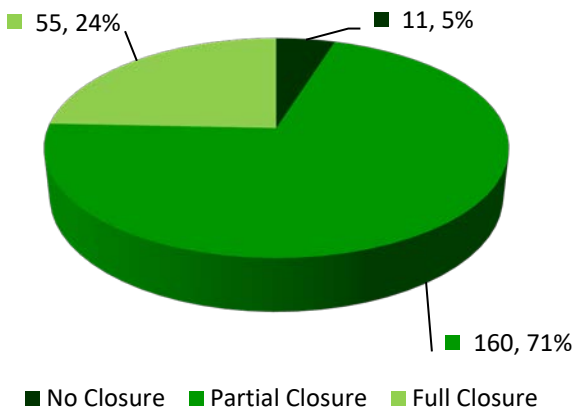
	Current Month	2019 Total
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	3	8

# 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:

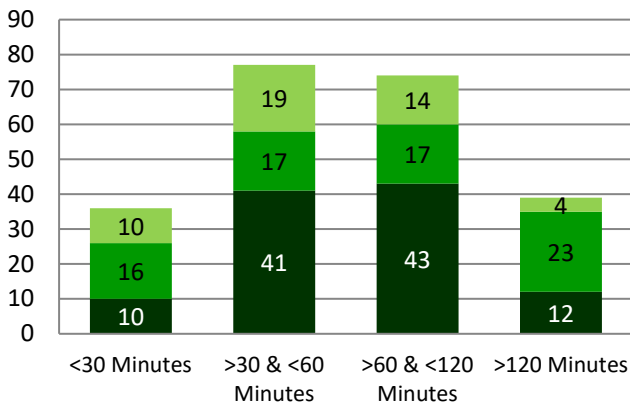
**No Closure:** No lane closures occurred during the incident.

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

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

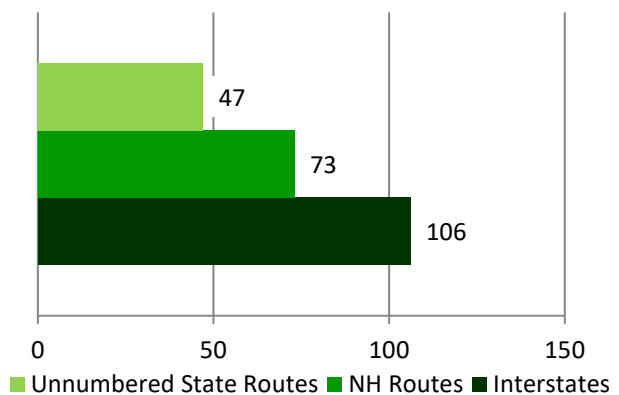
## Current Month - Incident Duration

This graph shows the duration history of incidents.

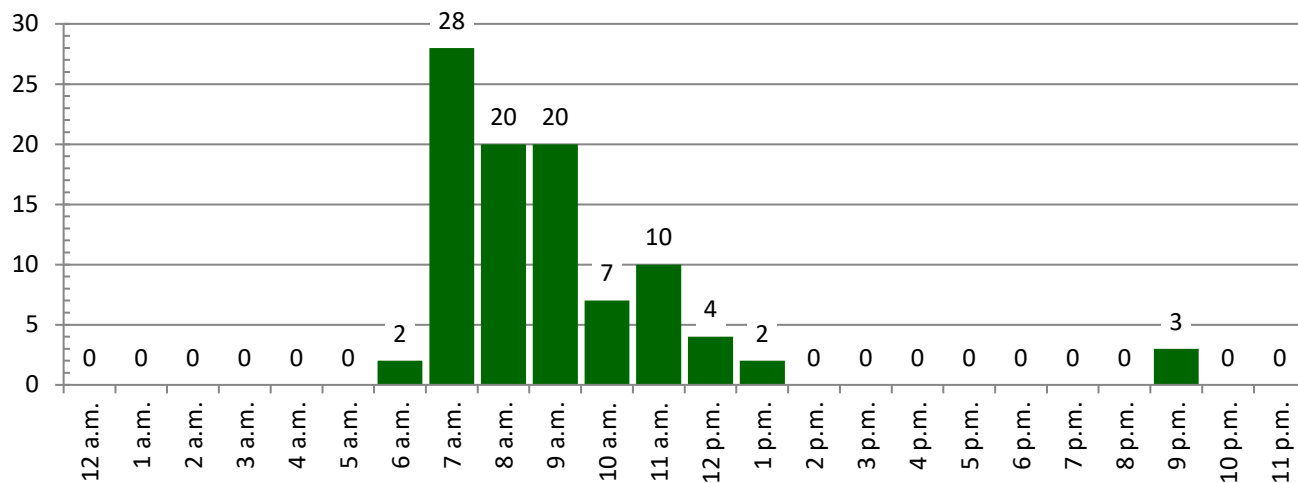


## Current Month - Incident by Road

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

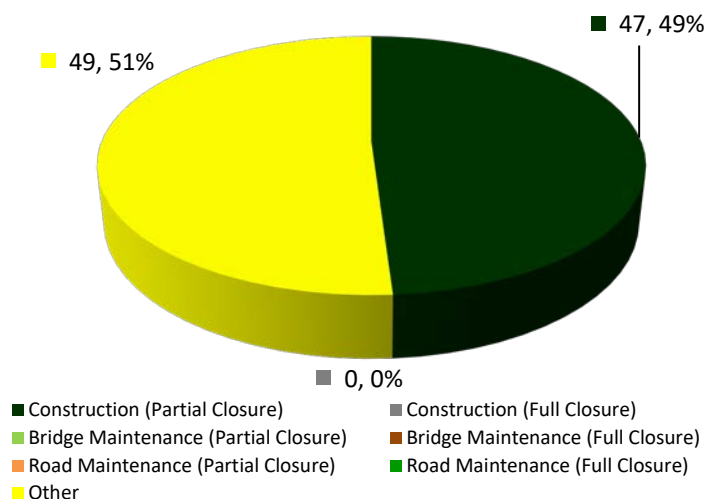


# Planned Events



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

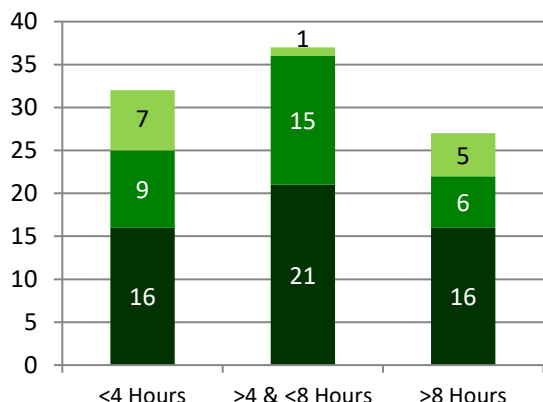


This graph shows the type of incident totals for the month.

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.

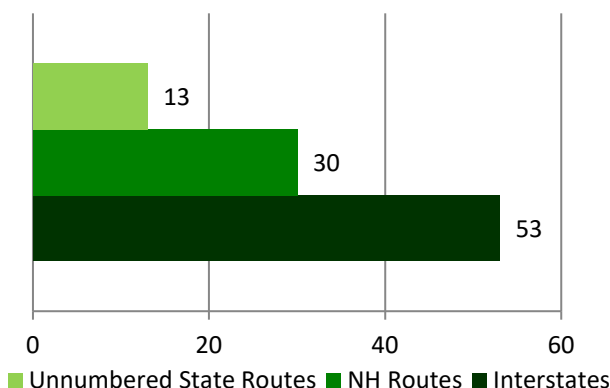
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

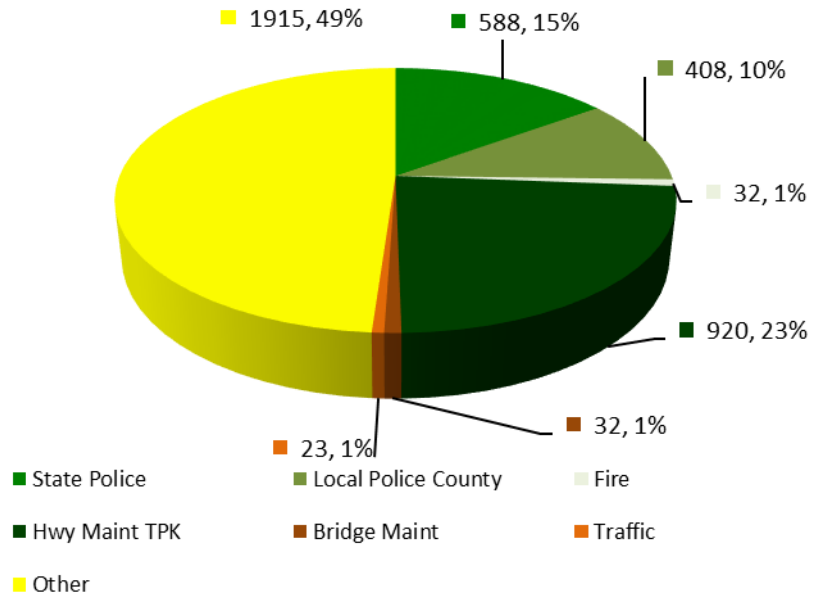
This graph shows which type of roadway the incidents occurred on.



# Communication

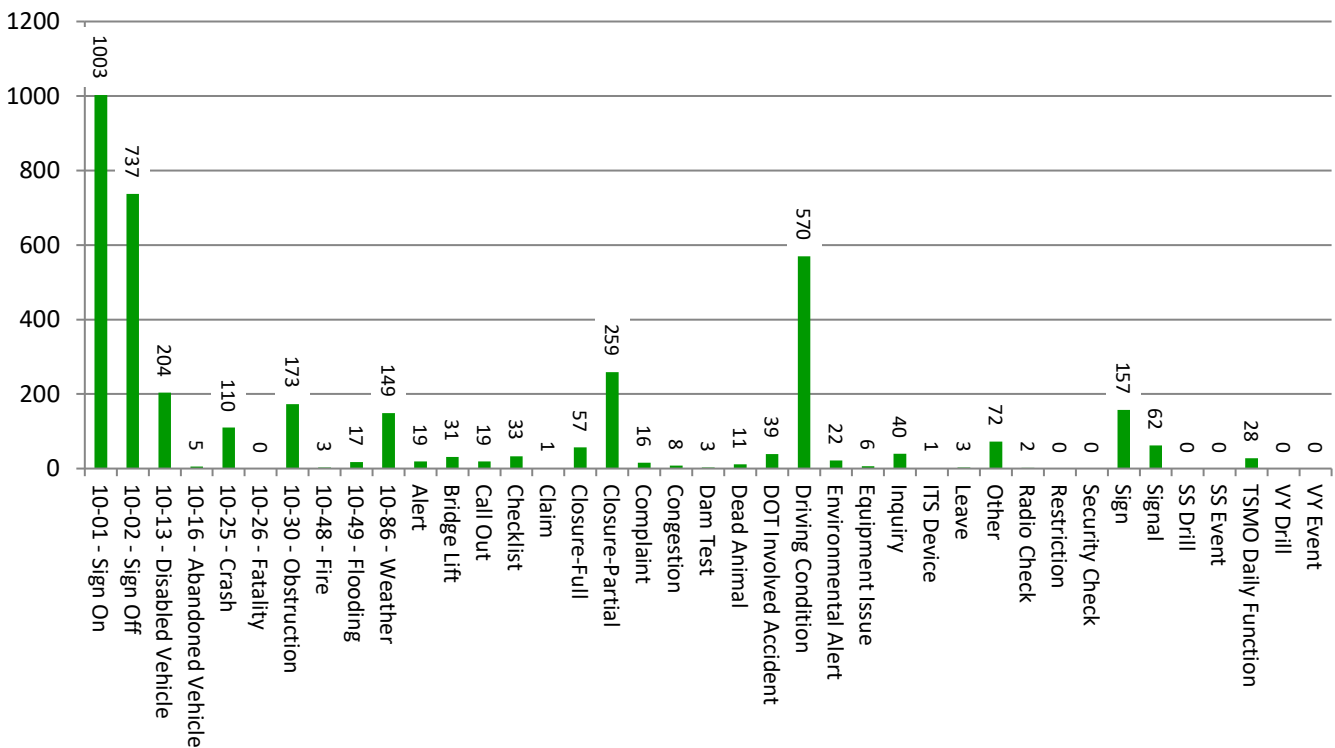
## Current Month - Calls by Type

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



## Log Entries by Type

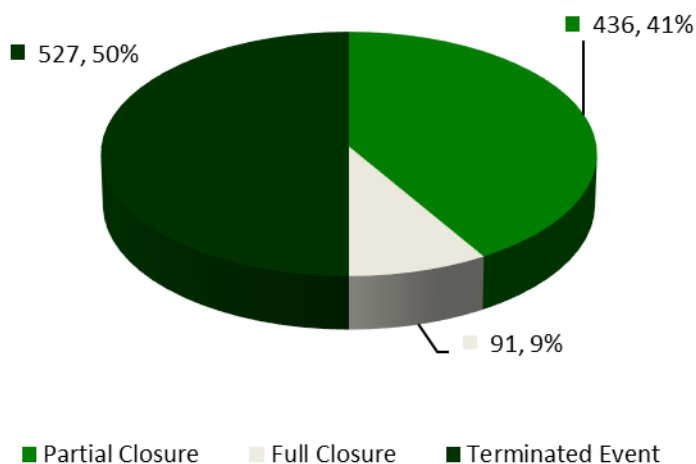
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

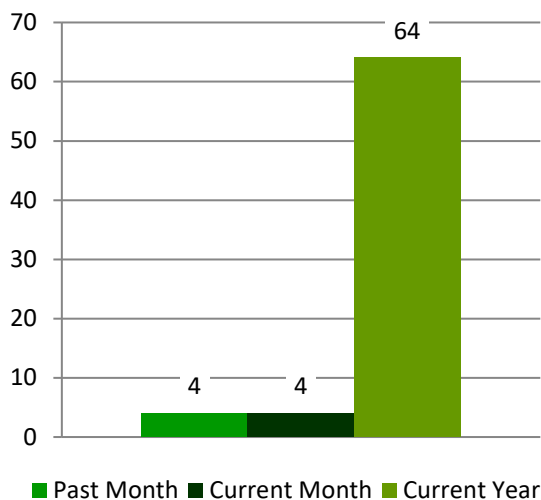
## Current Month – Construction Calls

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

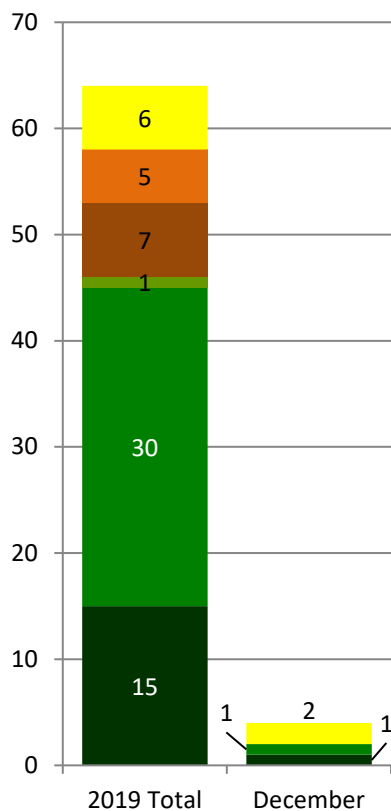


## Incidents Occurring in Work Zones

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

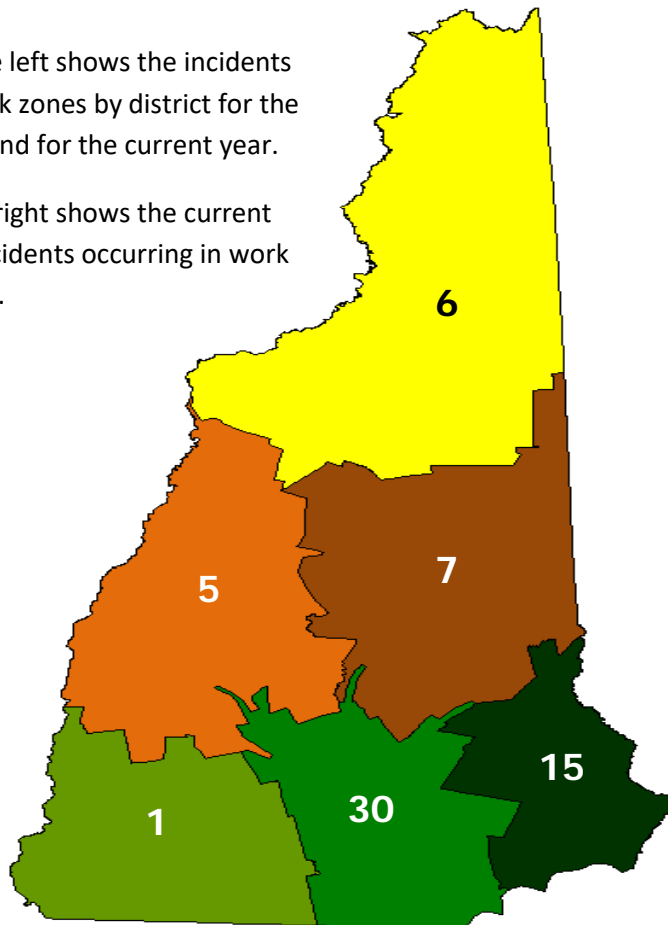


## Incidents Occurring in Work Zones by Location



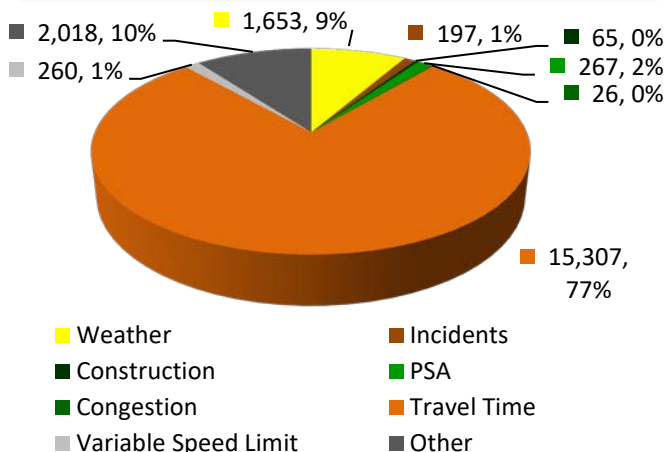
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

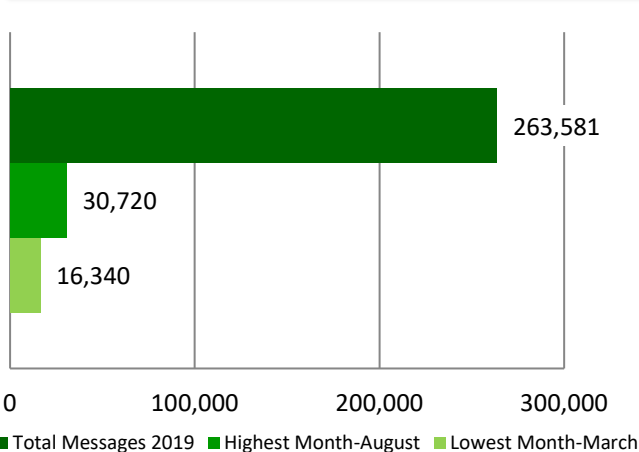


# DMS Messages

## 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

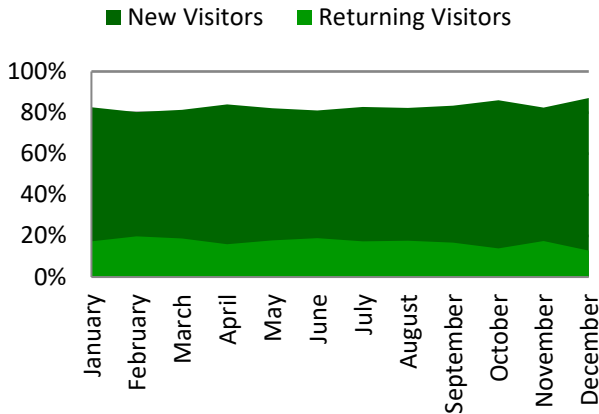
101 W 100.5 VSL D 5	12	93 S 5.2 VSL D5	15	95N 13.0 FSVT	46
101 WM 100.5 VSL D 5	13	93 SM 2.2 VSL D 5	14	95N 14.8 FSDT	49
101E 102 PSP5	33	93 SM 5.2 VSL D5	15	95N 3.0 FSDT	186
101E 114.8 FSV6	202	93N 0.0 PCMS - SWZ M01	86	95S 15.4 FSDT	156
101E 130 FSA6	370	93N 0.3 FSD5	650	95S 3.4 FSPT	24
101E 53.4 FSV5	54	93N 1.35 PCMS - SWZ M07	600	95S 7.6 FSDT	145
101W 102.6 FSV5	61	93N 10.95 PCMS - SWZ M04	677	FEE N 1.2 FSVT	67
101W 115 PSP5	31	93N 14.8 PCMS - SWZ M05	560	FEE N 16.2 PSVT	47
101W 128 PSV6	47	93N 16.0 VSL D5	14	FEE N 18.8 FSVT	57
293 S 1.4 VSL D 5	12	93N 16.0 VSL D5 Median	14	FEE N 5.2 PSVT	88
293N 8.8 FSPT	458	93N 2.6 PCMS - SWZ M03	833	FEE S 17.8 PSVT	81
293S 1.4 FSD5	77	93N 23.4 FSD5	475	FEE S 8.6 FSPT	53
293S 2.2 PCMS - SWZ M06	690	93N 32.4 FSVT	70	ST N 19.2 PSVT	43
293S 4.8 FSVT	49	93N 36.2 FSVT	64	ST S 24.4 FSVT	348
393 W 1.9 PSV5	19	93N 43.8 PSP5	30	ST S 3.4 FSDT	2,720
4E 92.4 FSS6	20	93N 7.2 FSD5	851	ST S 34.4 PSVT	41
4E 98 FSA6	28	93N 76.4 FSV3	54	ST S 7.8 FSAT	2,317
89N 1.8 FSV5	169	93N 82.6 FSV3	49	WA W 0.5 FSST	21
89N 15.5 PCMS - SWZ M01	9	93N 99.6 FSA3	48		
89N 15.9 PCMS - SWZ M-02	10	93S 117.6 FSA1	17		
89N 18.4 FSV5	60	93S 122.2 FSV1	26		
89N 28.8 PSV2	15	93S 13.8 PCMS - SWZ M11	459		
89N 35.5 FSV2	74	93S 14.4 VSL D5	16		
89N 43.8 PSV2	61	93S 14.4 VSL D5 Median	16		
89N 54.9 FSS2	18	93S 15.85 PCMS - SWZ M12	473		
89S 10.8 FSV5	133	93S 2.6 PCMS - SWZ M08	256		
89S 20.6 PCMS - SWZ M-04	6	93S 20.1 PCMS - SWZ M13	589		
89S 21.1 PCMS - SWZ M-03	6	93S 23.4 FSD5	493		
89S 3.4 FSV5	435	93S 27.8 FSDT	1,134		
89S 31.4 PSP5	52	93S 32.4 FSVT	75		
89S 42.6 PSV2	77	93S 36.0 PSVT	80		
89S 55.0 PSV2	52	93S 39.0 FSV5	98		
89S 57.7 FSS2	58	93S 43.3 PSV5	26		
93 N 0.3 VSL D 5	14	93S 48.0 FSV5	55		
93 N 2.35 VSL D 5	15	93S 5.2 PCMS - SWZ M09	330		
93 N 3.8 VSL D5	14	93S 57.6 PSP5	22		
93 N 6.6 VSL D5	16	93S 68.8 FSV3	49		
93 NM 2.35 VSL D 5	15	93S 7.2 FSD5	231		
93 NM 3.8 VSL D5	15	93S 85.4 FSV3	55		
93 NM 6.6 VSL D5	15	93S 99.2 FSA3	14		
93 S 2.2 VSL D 5	15	95N 0.4 FSVT	141		



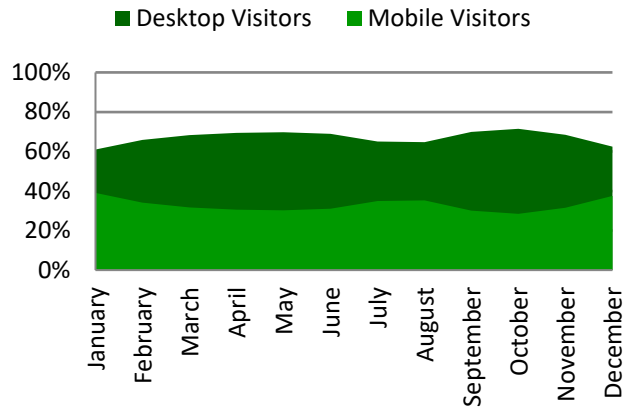
# Public Outreach

## 2,548 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.



39,880 Total Twitter Followers

