

# 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.*

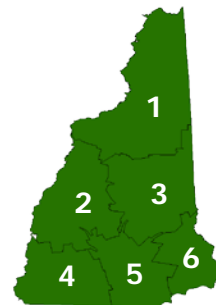
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## ***Transportation Management Center's Mission***

*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

2020 Total	2021 Total
119	143

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



### Dynamic Message Signs (DMS)

2020 Total	2021 Total
56	57
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)

2020 Total	2021 Total
25	37

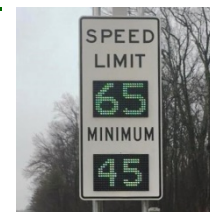
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### Variable Speed Limit Sign (VSL)

2020 Total	2021 Total
18	23

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



### Motor Vehicle Detection System (MVDS)

2020 Total	2021 Total
19	39

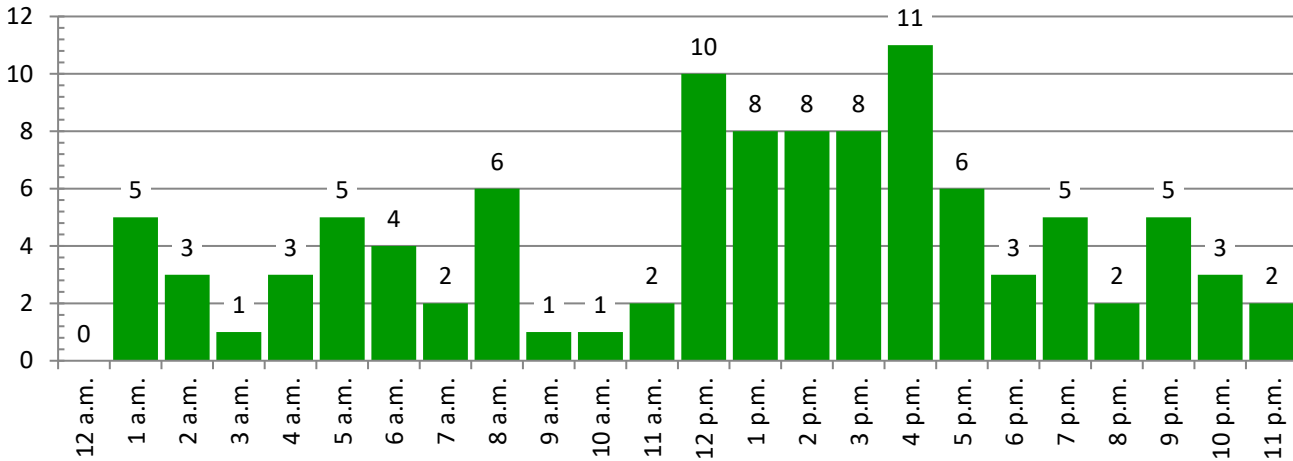
MVDS are sensors that collect speed and volume data.



## Summary

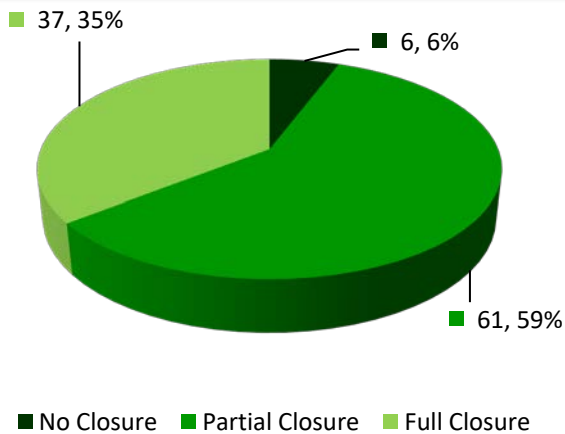
	Current Month	2021 Total
<b>Unplanned Incidents</b>	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	104	1,182
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	406	3,034
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,871	37,249
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	2,052	16,234
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	17,663	146,411
<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.	1,233	12,683
<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	1

# 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



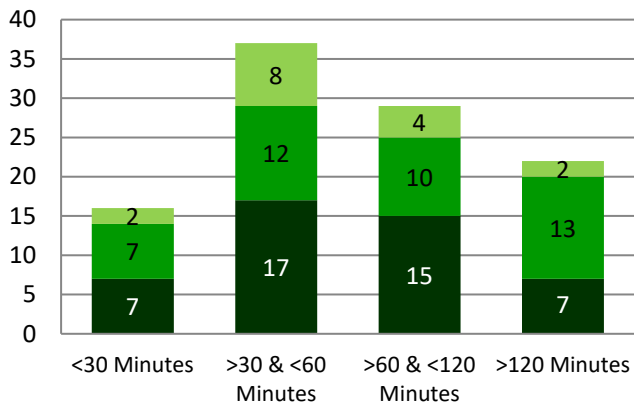
This graph shows the type of incident totals for the month.

### 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.

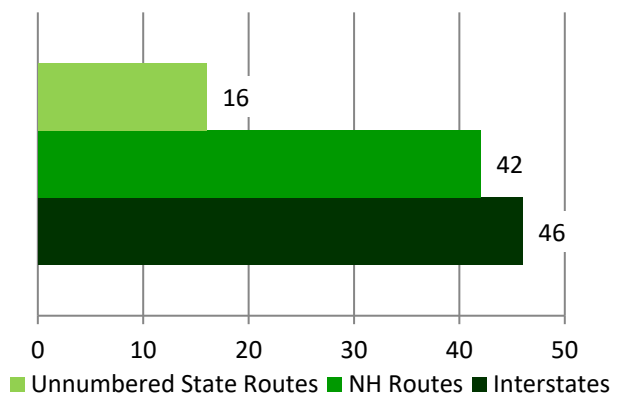
## Current Month - Incident Duration

This graph shows the duration history of incidents.

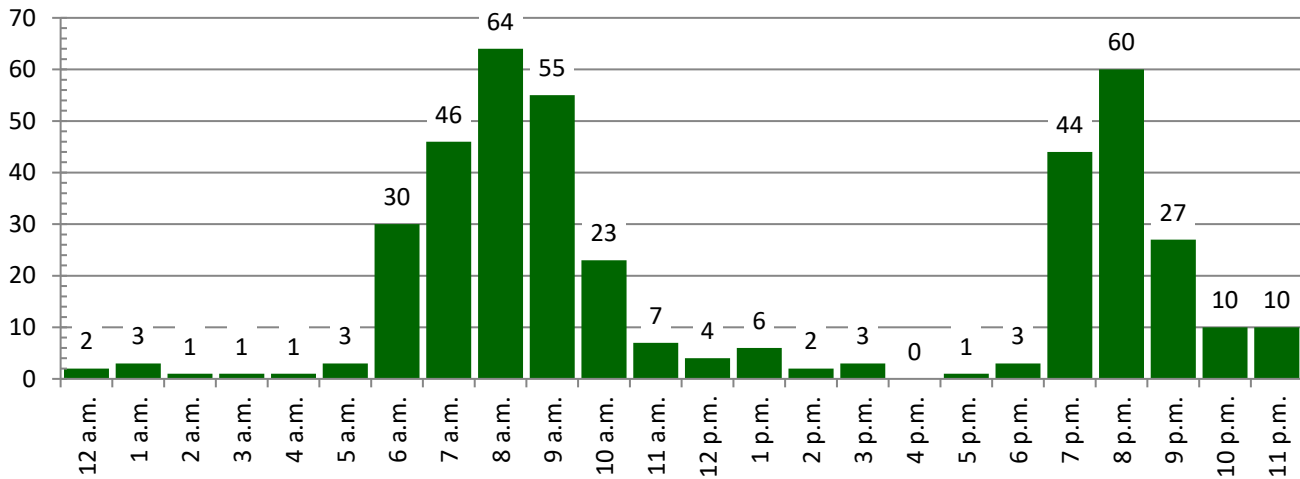


## Current Month - Incident by Road

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

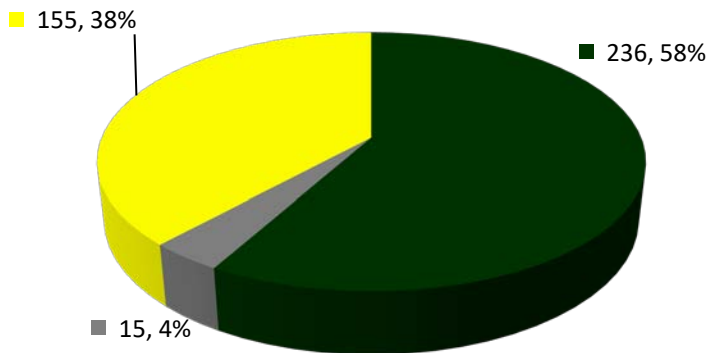


# Planned Events



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



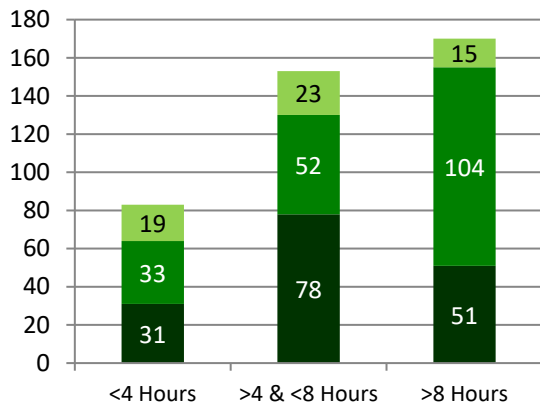
This graph shows the type of incident totals for the month.

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)

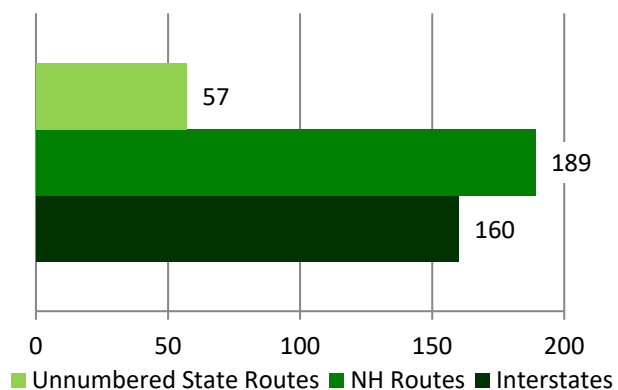
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

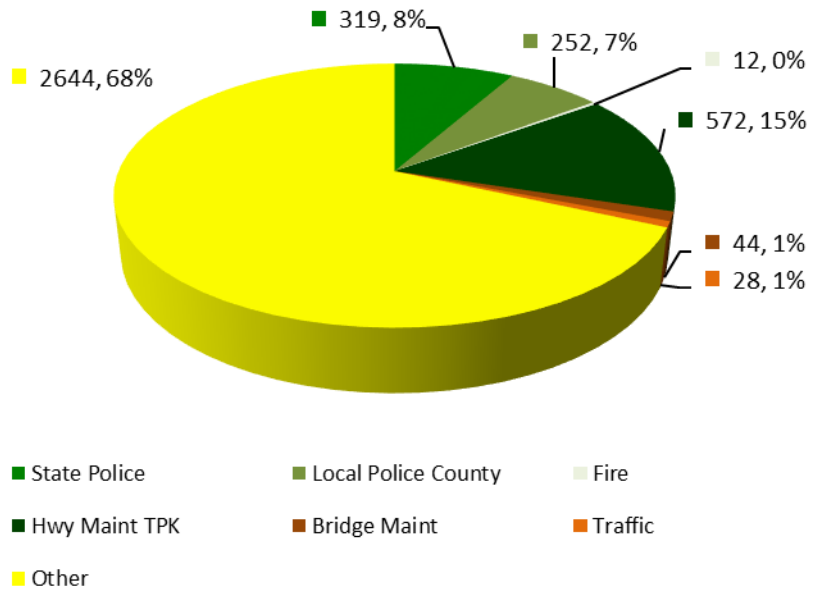
This graph shows which type of roadway the incidents occurred on.



# Communication

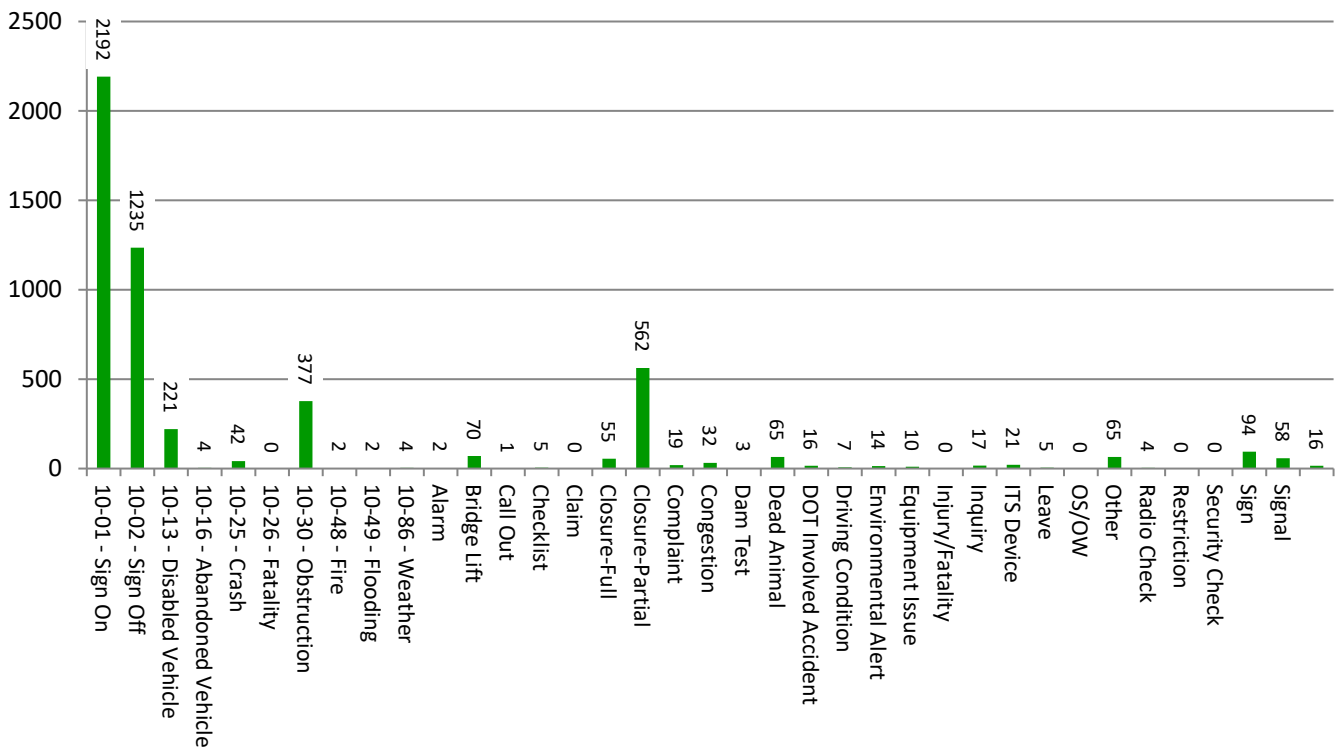
## Current Month - Calls by Type

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



## Log Entries by Type

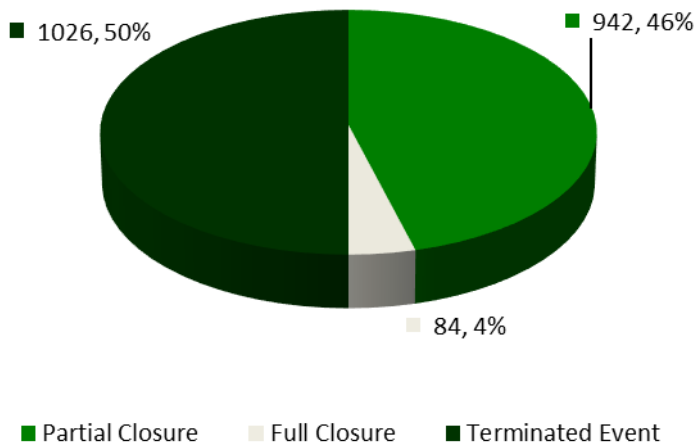
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

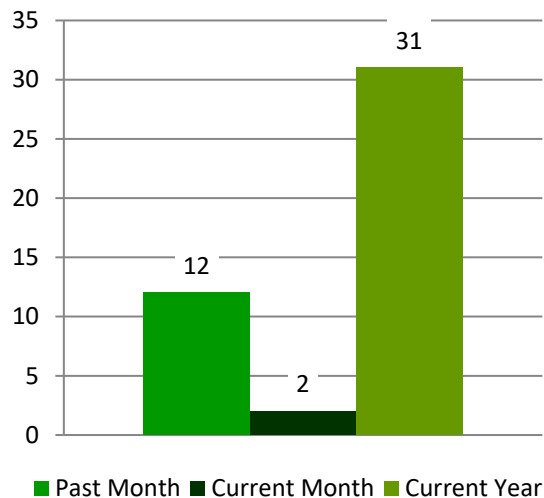
## Current Month – Construction Calls

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

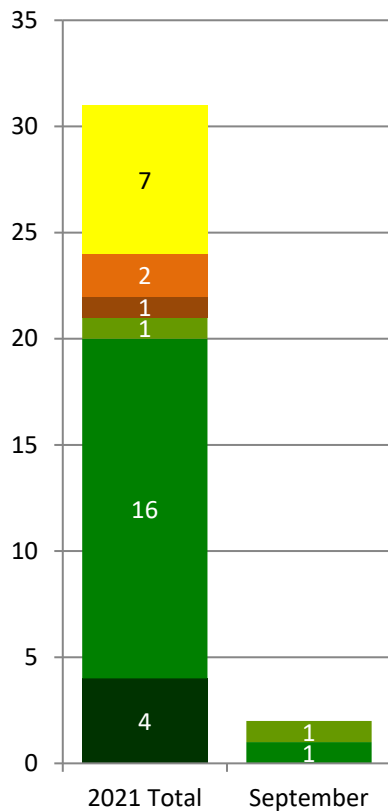


## Incidents Occurring in Work Zones

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

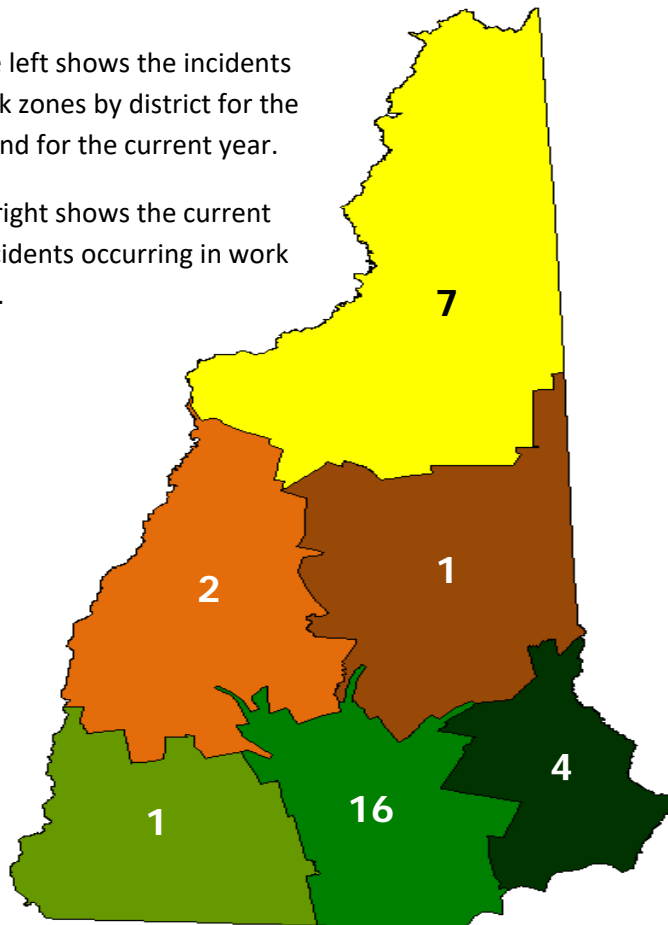


## Incidents Occurring in Work Zones by Location



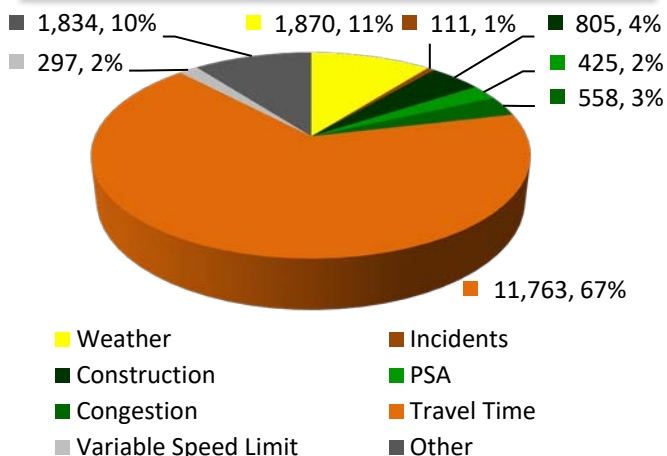
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

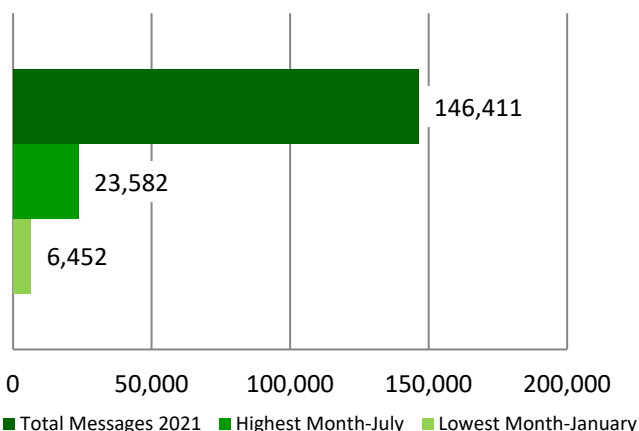


# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2021



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

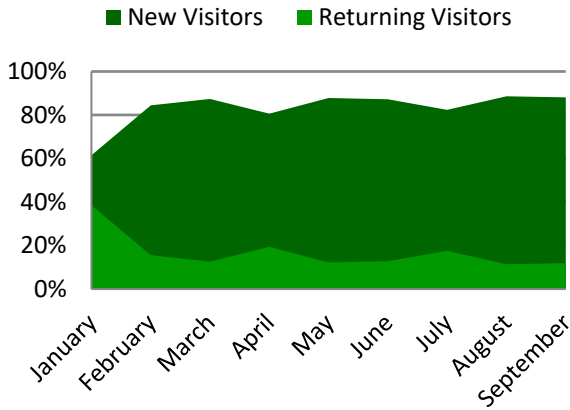
101 E 52.8 FSV5	29	93 S 31.9 PSVT - SWZ - M07	63	I-91 N VT 69.1 PSVT - SWZ - M06	789
101E 114.8 FSV6	222	93 S 5.2 VSL D5	25	ST N 1.0 FSAT	207
101E 130 FSA6	5	93 S EX 9 On-Ramp - SWZ - M09	29	ST N 4.4 FSST	17
101W 102.6 FSV5	19	93 SM 2.2 VSL D 5	24	ST S 24.4 FSVT	256
101W 128 PSV6	30	93 SM 5.2 VSL D5	26	ST S 3.4 FSDT	3,478
293N 8.8 FSPT	781	93N 16.0 VSL D5	24	ST S 7.8 FSAT	2,834
293S 1.4 FSD5	35	93N 16.0 VSL D5 Median	26	WA W 0.5 FSST	10
293S 4.8 FSDT	42	93N 23.4 FSD5	820		
393 W 1.9 PSV5	11	93N 26.8 PSVT	84		
4 W 98.9 FSS6	10	93N 32.9 FSST	27		
4E 92.4 FSS6	13	93N 36.2 FSVT	35		
4E 98 FSA6	25	93N 57.6 FSS3	16		
89 N 56.8 PSVT - SWZ - M01	40	93N 76.4 FSV3	19		
89 N 57.2 PSVT - SWZ - M02	119	93N 82.6 FSV3	24		
89 N 59.8 PSVT - SWZ - M03	393	93N 99.6 FSA3	44		
89 S VT 0.9 PSVT - SWZ - M05	789	93S 117.6 FSA1	17		
89N 1.8 FSV5	186	93S 122.2 FSV1	2		
89N 18.4 FSV5	18	93S 23.4 FSD5	149		
89N 35.5 FSV2	20	93S 27.8 FSDT	398		
89N 54.9 FSS2	13	93S 30.3 PSVT	105		
89S 10.8 FSV5	337	93S 32.4 FSVT	17		
89S 3.4 FSV5	980	93S 36.5 FSST	17		
89S 55.0 PSV2	10	93S 39.0 FSV5	33		
89S 57.7 FSS2	6	93S 43.3 PSV5	10		
91 VT S 70.6 PSVT - SWZ - M04	725	93S 48.0 FSV5	25		
93 N 0.5 FSDT	172	93S 68.8 FSV3	18		
93 N 2.35 VSL D 5	24	93S 7.2 FSD5	93		
93 N 3.8 VSL D5	25	93S 85.4 FSV3	19		
93 N 6.6 VSL D5	24	95N 0.4 FSVT	404		
93 N 7.5 FSD5	189	95N 13.0 FSVT	60		
93 N EX 9 On-Ramp - SWZ - M08	28	95N 14.8 FSDT	83		
93 NM 2.35 VSL D 5	24	95N 3.0 FSDT	459		
93 NM 3.8 VSL D5	25	95N 4.8 PSVT	90		
93 NM 6.6 VSL D5	26	95S 15.4 FSDT	508		
93 S 2.2 VSL D 5	24	95S 3.4 FSPT	17		
93 S 22.6 PSVT - SWZ - M06	31	95S 7.2 PSVT	96		
93 S 23.3 PSVT - SWZ - M05	28	95S 7.6 FSDT	230		
93 S 25.1 PSVT - SWZ - M04	16	FEE N 1.2 FSVT	24		
93 S 25.6 PSVT - SWZ - M03	266	FEE N 18.8 FSVT	16		
93 S 26.4 PSVT - SWZ - M02	88	FEE S 3.8 FSDT	24		
93 S 27.4 PSVT - SWZ - M01	22	FEE S 8.6 FSPT	2		



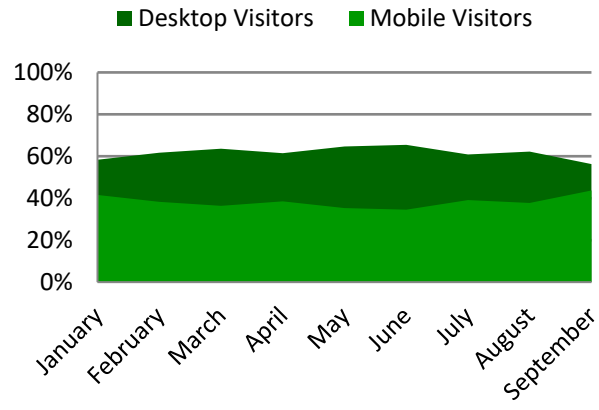
# Public Outreach

## 1,233 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.



40,617 Total Twitter Followers

