

# TMC Monthly Operational Summary

---



Bureau of Transportation Systems Management & Operations (TSMO)

---

## ***NH Department of Transportation's Mission***

*Transportation excellence enhancing the quality of life in New Hampshire.*

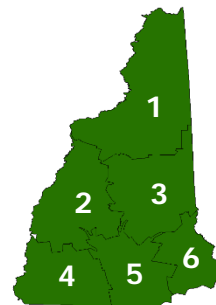
---

## ***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

	2021 Total	2022 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	143	144

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



### Dynamic Message Signs (DMS)

	2021 Total	2022 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	57	57
<sup>1</sup> Additional DMS that TSMO uses during the winter season.	16 <sup>1</sup>	16 <sup>1</sup>
<sup>2</sup> TSMO is responsible for an additional ~20 DMS for the department.	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)

	2021 Total	2022 Total
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.	37	38

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)

	2021 Total	2022 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	23	21

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



### Motor Vehicle Detection System (MVDS)

	2021 Total	2022 Total
MVDS are sensors that collect speed and volume data.	39	39

MVDS are sensors that collect speed and volume data.



# Summary

	Current Month	2022 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.	149	1,558

	Current Month	2022 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.	245	4,068

	Current Month	2022 Total
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,149	47,471

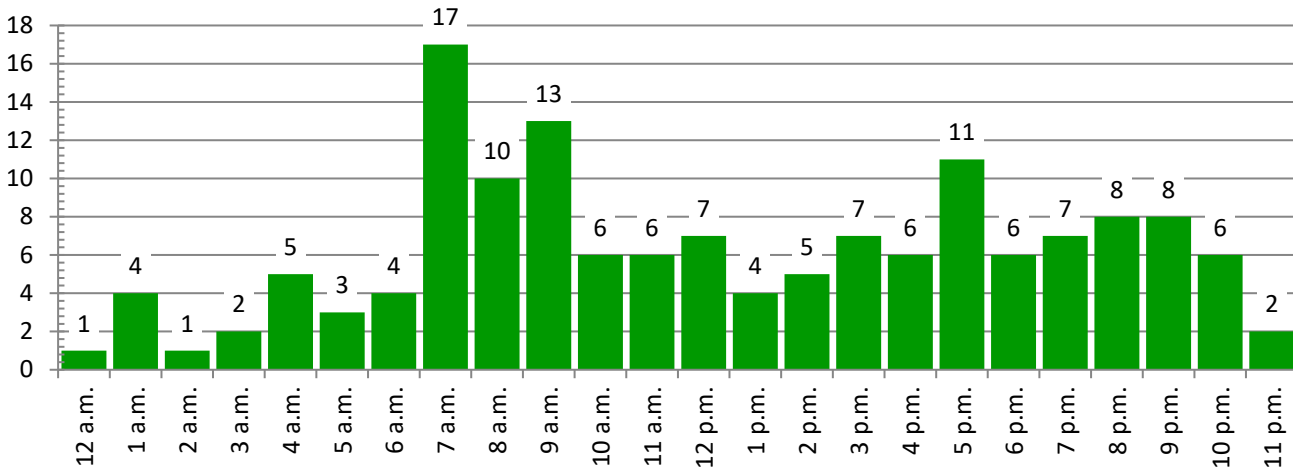
	Current Month	2022 Total
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that is outside of planned incidents.	1,344	20,251

	Current Month	2022 Total
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	22,770	191,197

	Current Month	2022 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.	787	10,666

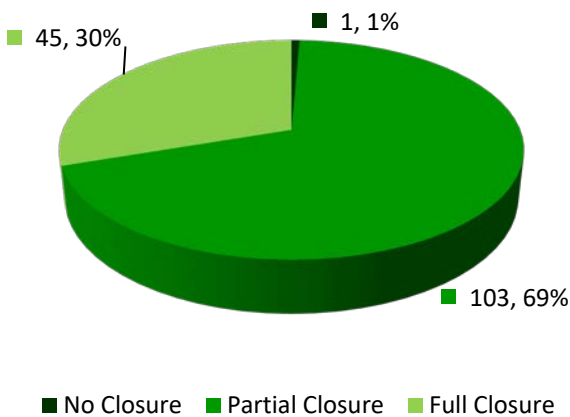
	Current Month	2022 Total
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	7

# 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:

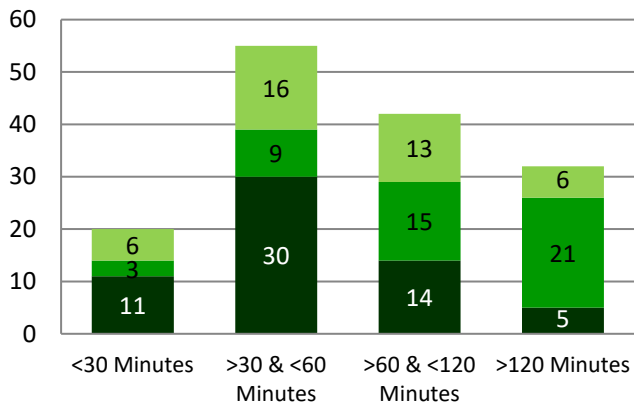
**No Closure:** No lane closures occurred during the incident.

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

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

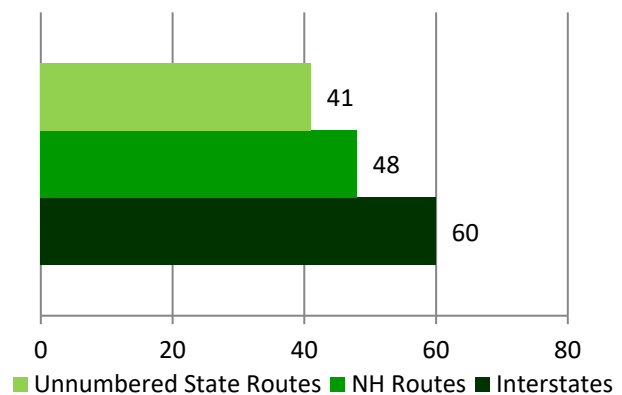
## Current Month - Incident Duration

This graph shows the duration history of incidents.

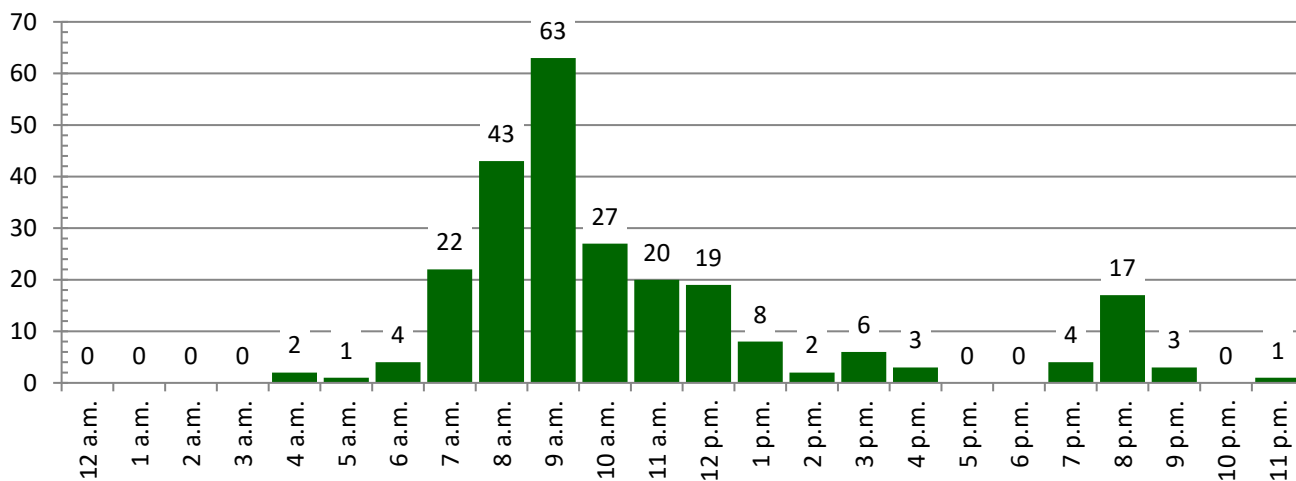


## Current Month - Incident by Road

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

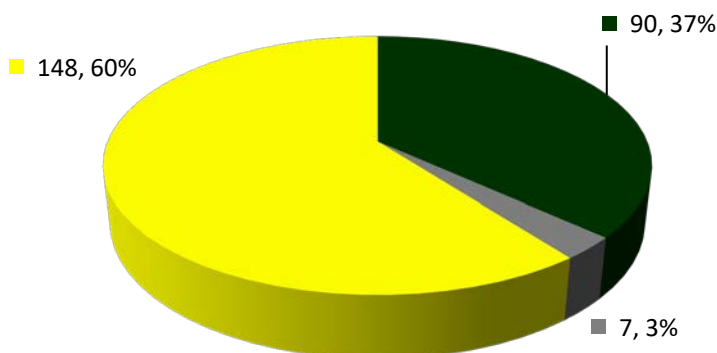


# Planned Events



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



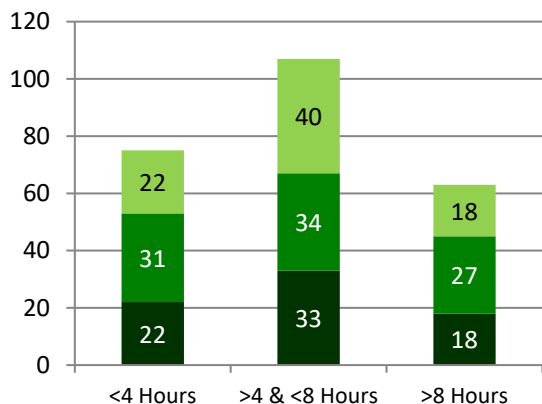
This graph shows the type of incident totals for the month.

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

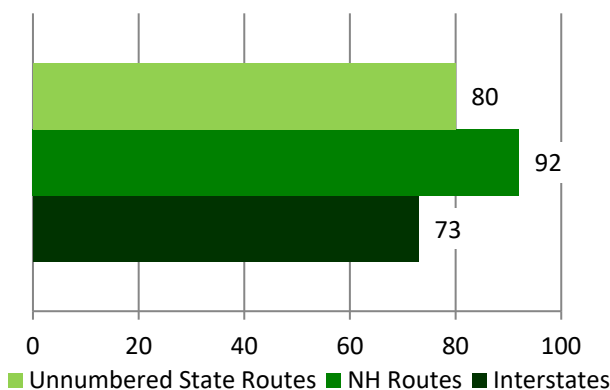
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

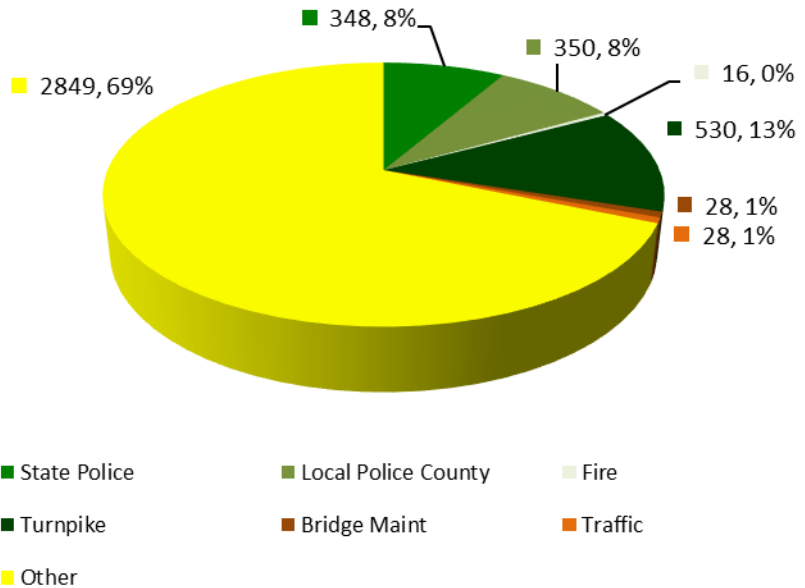
This graph shows which type of roadway the incidents occurred on.



# Communication

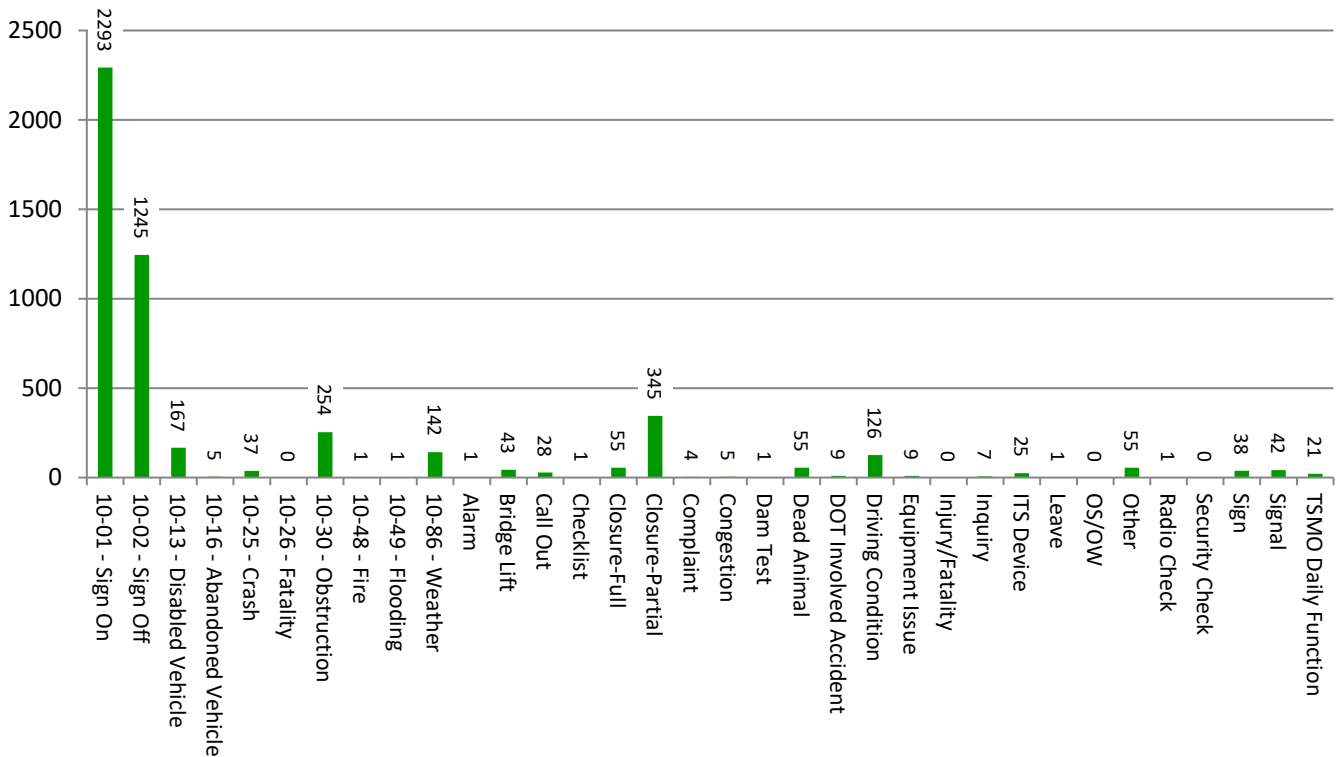
## Current Month - Calls by Type

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



## Log Entries by Type

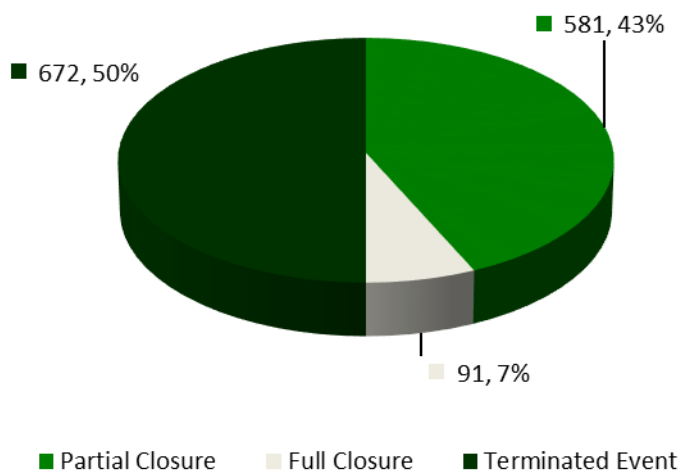
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

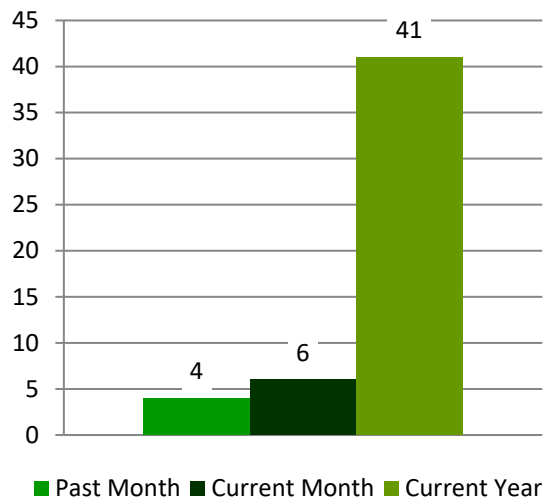
## Current Month – Construction Calls

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

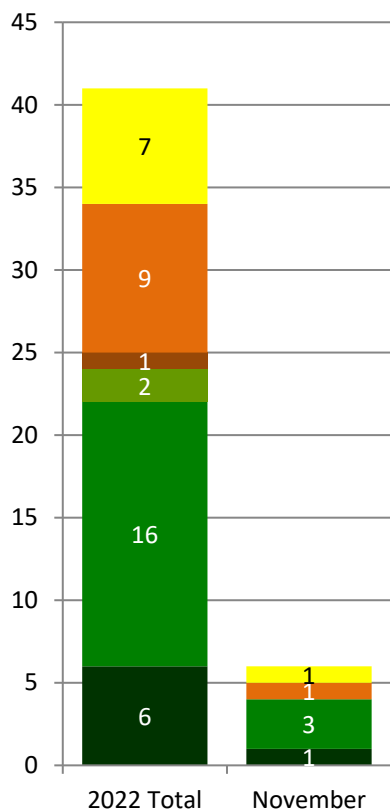


## Incidents Occurring in Work Zones

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

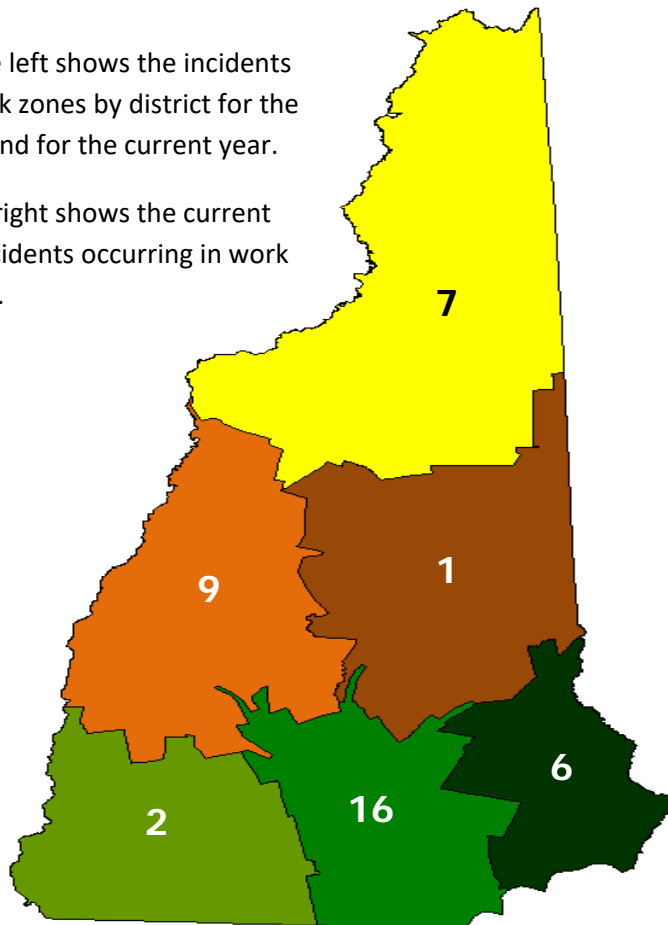


## Incidents Occurring in Work Zones by Location



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

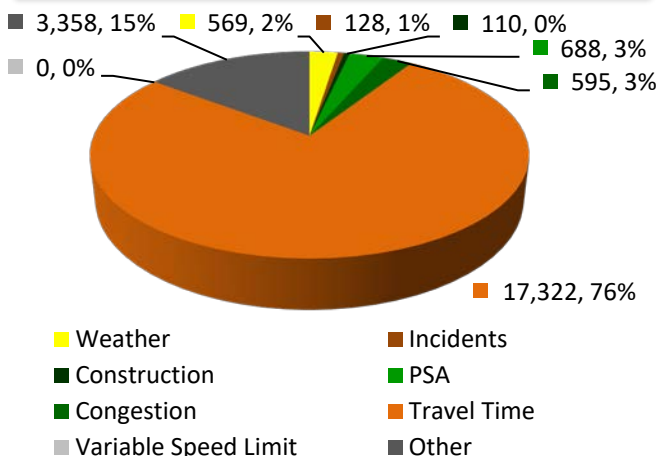
The map to the right shows the current year total for incidents occurring in work zones by district.



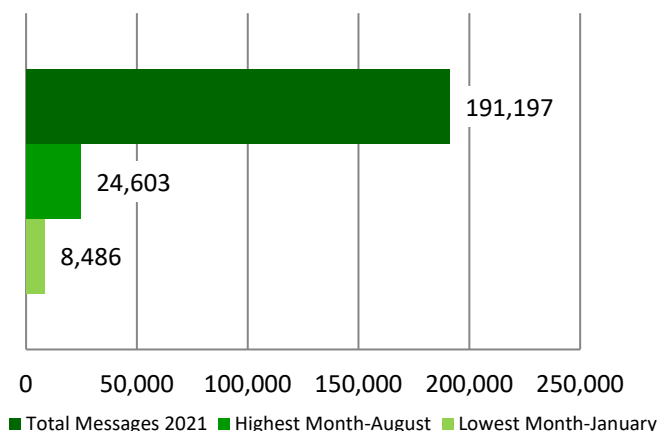
■ District 6 
 ■ District 5 
 ■ District 4 
 ■ District 3 
 ■ District 2 
 ■ District 1

# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2022



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

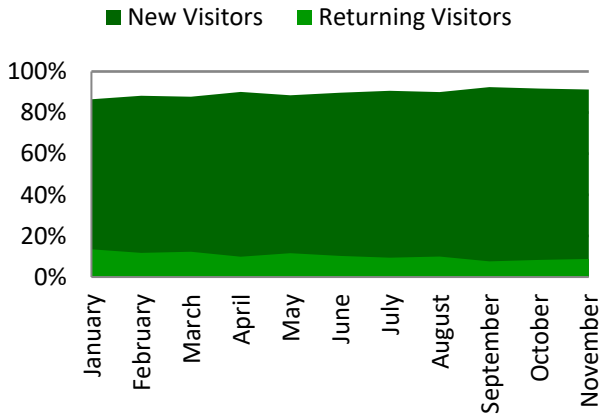
101 E 52.8 FSV5	46	89S 42.6 PSV2	2	95S 7.6 FSDT	161
101 E 53 PSWC - SWZ - M04	80	89S 55.0 PSV2	14	FEE N 1.2 FSVT	29
101 W 54.3 PSWC - SWZ - M03	395	89S 57.7 FSS2	57	FEE N 15.2 PSWC - SWZ - M07	6
101E 114.8 FSV6	193	91 N VT 69.1 PSV VT - SWZ - M06	27	FEE N 16.2 PSVT	17
101W 102.6 FSV5	13	91 S VT 70.6 PSV VT - SWZ - M04	7	FEE N 17.5 PSWC - SWZ - M06	6
101W 128 PSV6	26	93 N 0.5 FSDT	225	FEE N 17.8 FSVT	14
16N 35.0 PSV3	12	93 N 7.5 FSD5	272	FEE N 18.0 PSWC - SWZ - M05	11
16S 75.4 FSV3	12	93 S 22.6 PSVT - SWZ - M06	150	FEE N 5.2 PSVT	21
293 S 4.7 PSWC - SWZ - M02	36	93 S 23.3 PSVT - SWZ - M05	16	FEE S 17.8 PSVT	21
293 S 5.2 PSWC - SWZ - M01	38	93 S 25.1 PSVT - SWZ - M04	115	FEE S 3.8 FSDT	34
293N 8.8 FSPT	8	93 S 25.6 PSVT - SWZ - M03	34	FEE S 8.6 FSPT	24
293S 1.4 FSD5	47	93 S 26.4 PSVT - SWZ - M02	8	ST N 1.0 FSAT	1,857
293S 4.8 FSDT	57	93 S 27.4 PSVT - SWZ - M01	14	ST N 11.0 PSVT	249
393 W 1.9 PSV5	11	93 S 31.9 PSVT - SWZ - M07	34	ST N 13.4 PSVT	59
4 W 98.9 FSS6	13	93N 23.4 FSD5	592	ST N 16.2 PSVT - SWZ - M06	80
4E 92.4 FSS6	12	93N 32.9 FSST	22	ST N 16.7 PSVT - SWZ - M05	170
4E 98 FSA6	23	93N 36.2 FSVT	35	ST N 19.2 PSVT	11
89 N 23.2 PSV2 - SWZ - M01	284	93N 43.8 PSP5	1	ST N 4.3 PSVT - SWZ - M01	568
89 N 23.7 PSV2 - SWZ - M02	275	93N 76.4 FSV3	31	ST N 4.4 FSST	32
89 N 26.4 PSV2 - SWZ - M03	144	93N 82.6 FSV3	32	ST N 5.0 PSVT - SWZ - M02	79
89 N 28.4 PSV2 - SWZ - M08	157	93N 99.6 FSA3	35	ST N 6.7 PSVT	254
89 N 30.2 PSV2 - SWZ - M04	22	93S 117.6 FSA1	23	ST N 9.1 PSVT	194
89 N 56.8 PSV2 - SWZ - M01	63	93S 122.2 FSV1	13	ST S 18.25 PSVT - SWZ - M07	139
89 N 57.2 PSV2 - SWZ - M02	17	93S 23.4 FSD5	700	ST S 19.25 PSVT - SWZ - M08	10
89 N 59.8 PSV2 - SWZ - M03	36	93S 27.8 FSDT	1,293	ST S 19.5 PSVT	54
89 S 28.0 PSV2 - SWZ - M07	79	93S 32.4 FSVT	13	ST S 20.5 PSVT	121
89 S 31.0 PSV2 - SWZ - M09	95	93S 36.5 FSST	19	ST S 24.4 FSVT	1,463
89 S 31.9 PSV2 - SWZ - M06	18	93S 39.0 FSV5	42	ST S 3.4 FSDT	4,505
89 S 32.5 PSV2 - SWZ - M05	18	93S 43.3 PSV5	12	ST S 34.4 PSVT	8
89 S 58.7 PSV2 - SWV - M07	8	93S 48.0 FSV5	33	ST S 6.6 PSVT - SWZ - M03	55
89 S VT 0.9 PSV VT - SWZ - M05	11	93S 57.6 PSP5	1	ST S 6.9 PSVT - SWZ - M04	5
89N 1.8 FSV5	26	93S 68.8 FSV3	31	ST S 7.8 FSAT	2,808
89N 18.4 FSS5	26	93S 7.2 FSD5	168	WA W 0.5 FSST	12
89N 31.4 PSV2	2	93S 85.4 FSV3	30		
89N 35.5 FSV2	38	95N 0.4 FSVT	163		
89N 43.8 PSV2	6	95N 13.0 FSVT	30		
89N 49.0 PSV2	2	95N 14.5 PSVT	5		
89N 54.9 FSS2	16	95N 14.8 FSDT	28		
89S 10.8 FSV5	225	95N 3.0 FSDT	148		
89S 3.4 FSV5	2,343	95S 15.4 FSDT	249		
89S 31.4 PSP5	5	95S 3.4 FSPT	31		



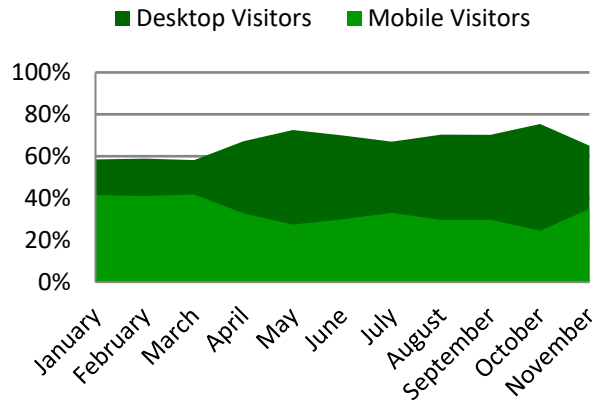
# Public Outreach

## 787 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.



43,667 Total Twitter Followers

