

# 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.*

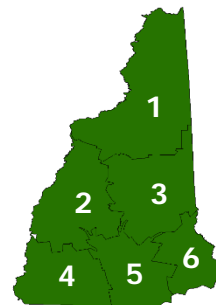
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## ***Transportation Management Center's Mission***

*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

2021 Total	2022 Total
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
57	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)

2021 Total	2022 Total
37	38

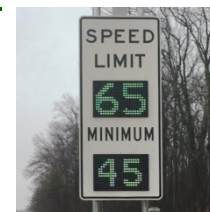
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### Variable Speed Limit Sign (VSL)

2021 Total	2022 Total
23	21

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



### Motor Vehicle Detection System (MVDS)

2021 Total	2022 Total
39	39

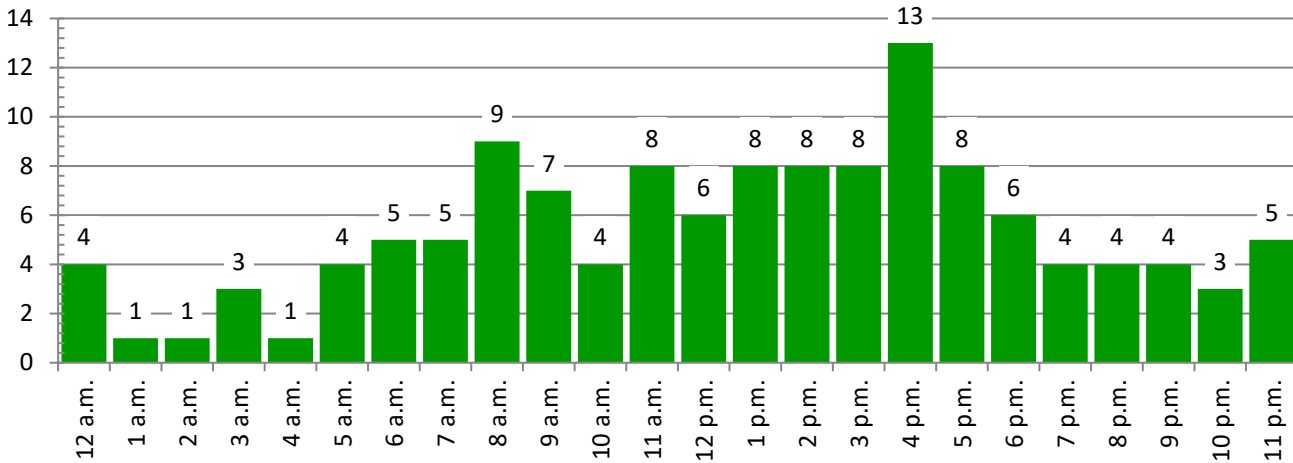
MVDS are sensors that collect speed and volume data.



# Summary

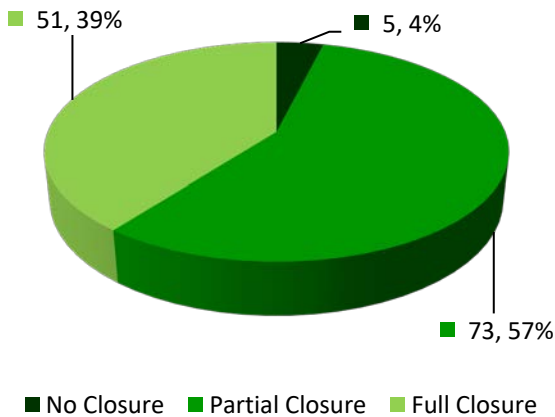
	Current Month	2022 Total
<b>Unplanned Incidents</b>	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	129	1,138
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	681	3,054
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	5,021	35,271
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	3,214	15,386
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	24,603	126,026
<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.	724	8,259
<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:

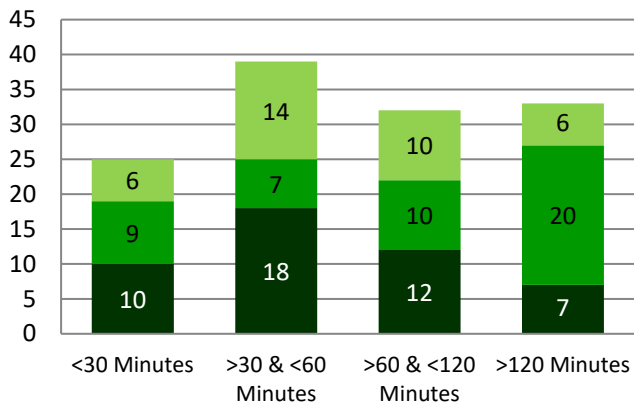
**No Closure:** No lane closures occurred during the incident.

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

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

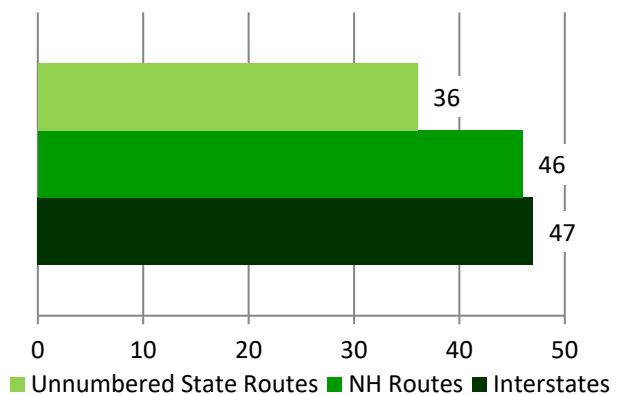
## Current Month - Incident Duration

This graph shows the duration history of incidents.

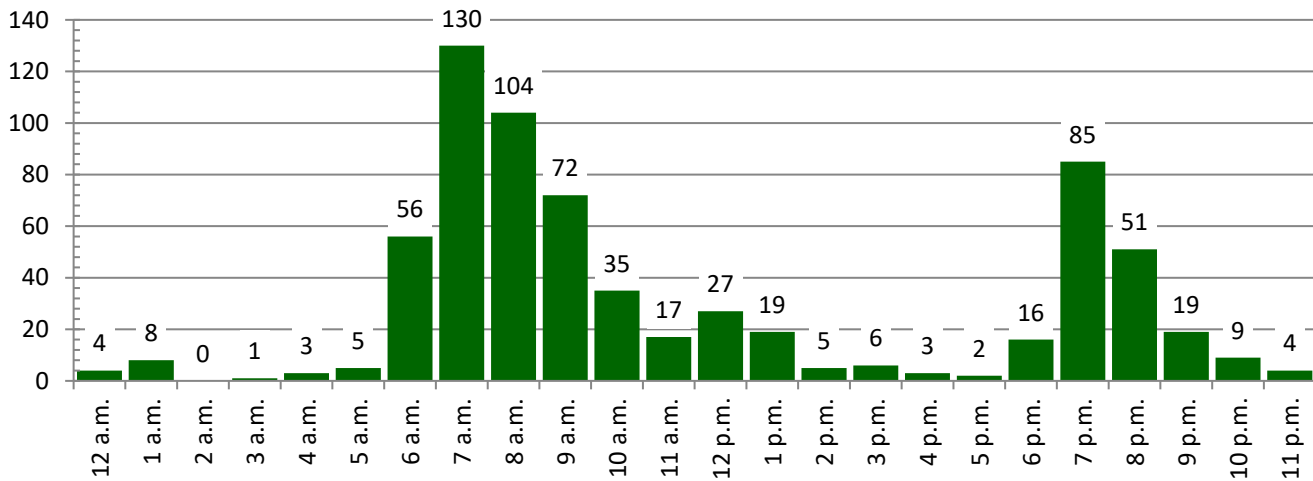


## Current Month - Incident by Road

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

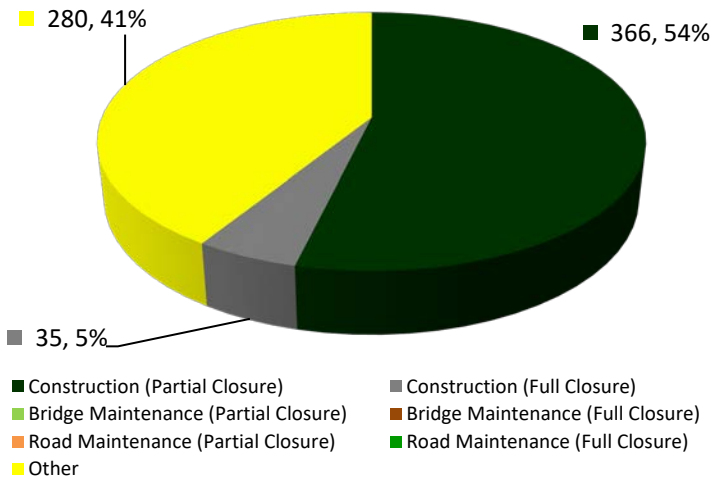


# Planned Events



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

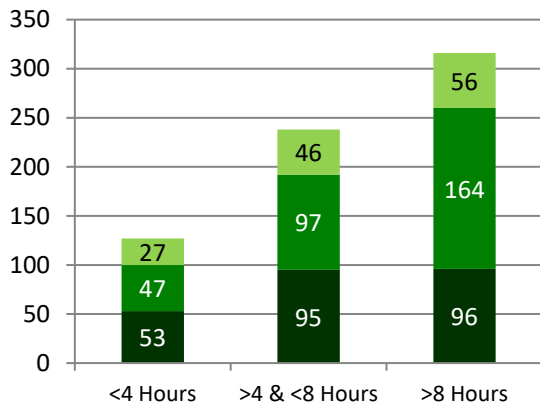


This graph shows the type of incident totals for the month.

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.

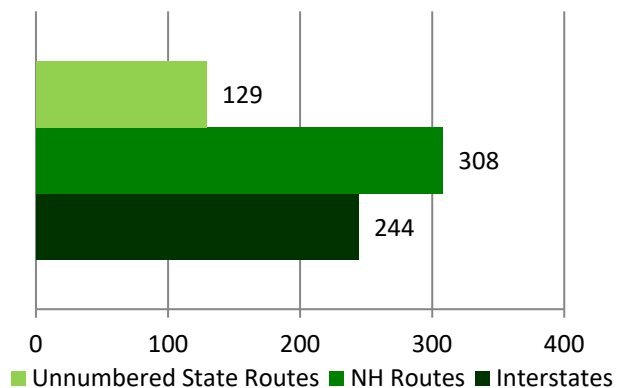
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

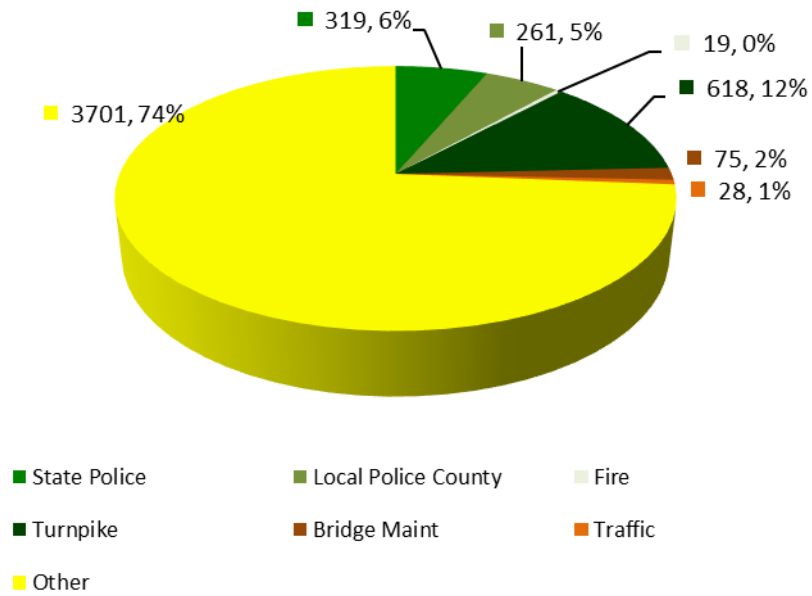
This graph shows which type of roadway the incidents occurred on.



# Communication

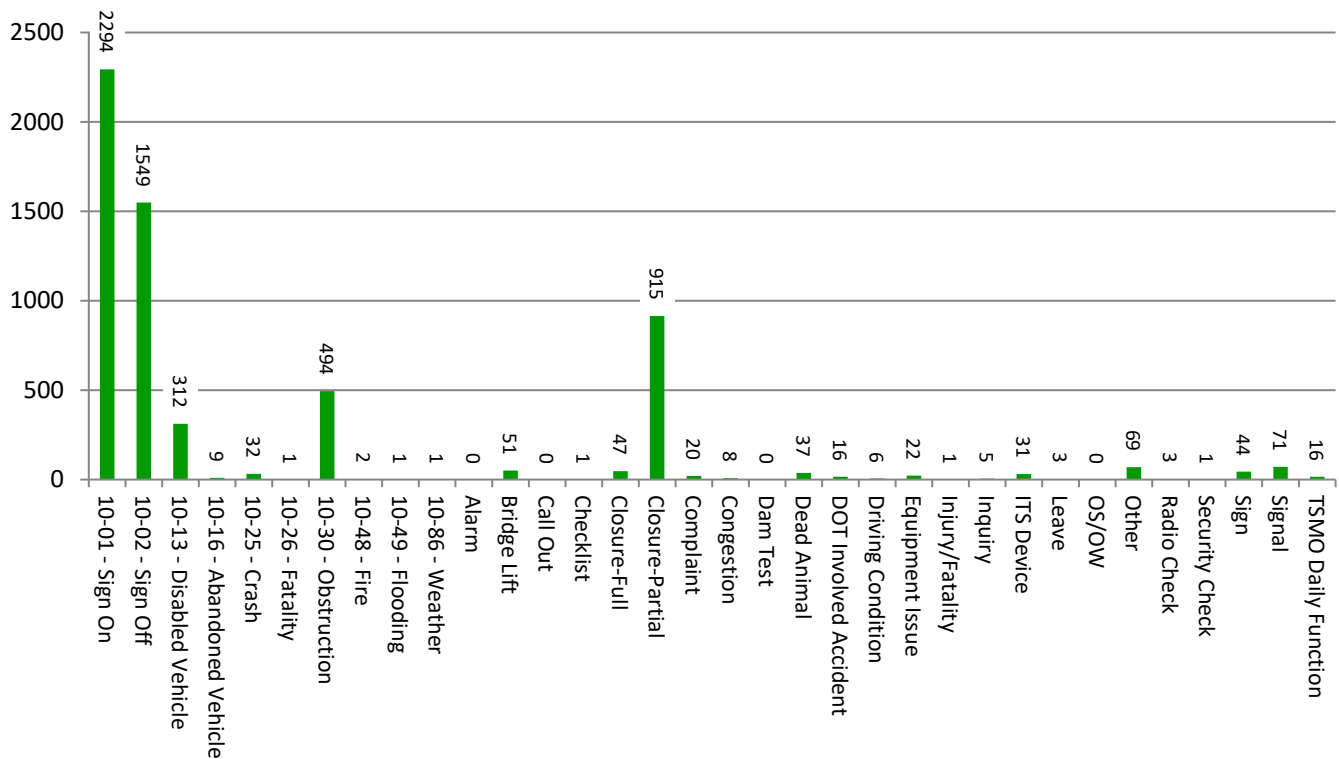
## Current Month - Calls by Type

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



## Log Entries by Type

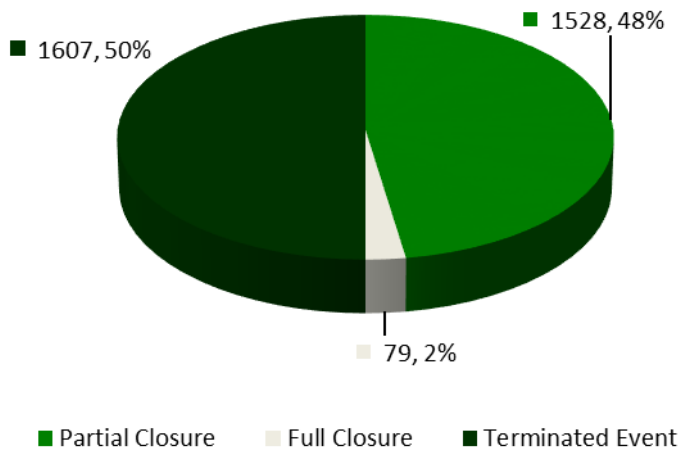
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

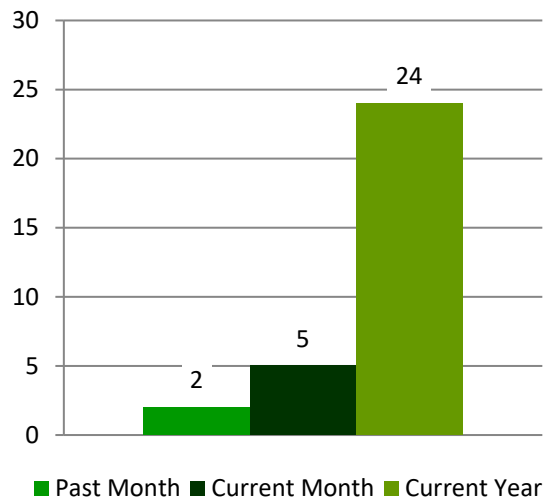
## Current Month – Construction Calls

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

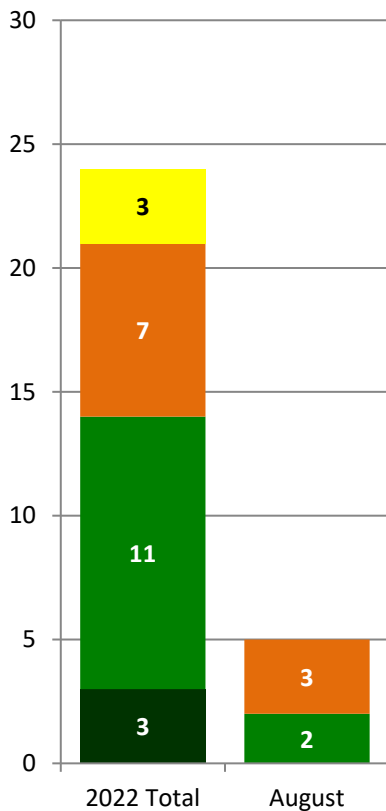


## Incidents Occurring in Work Zones

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

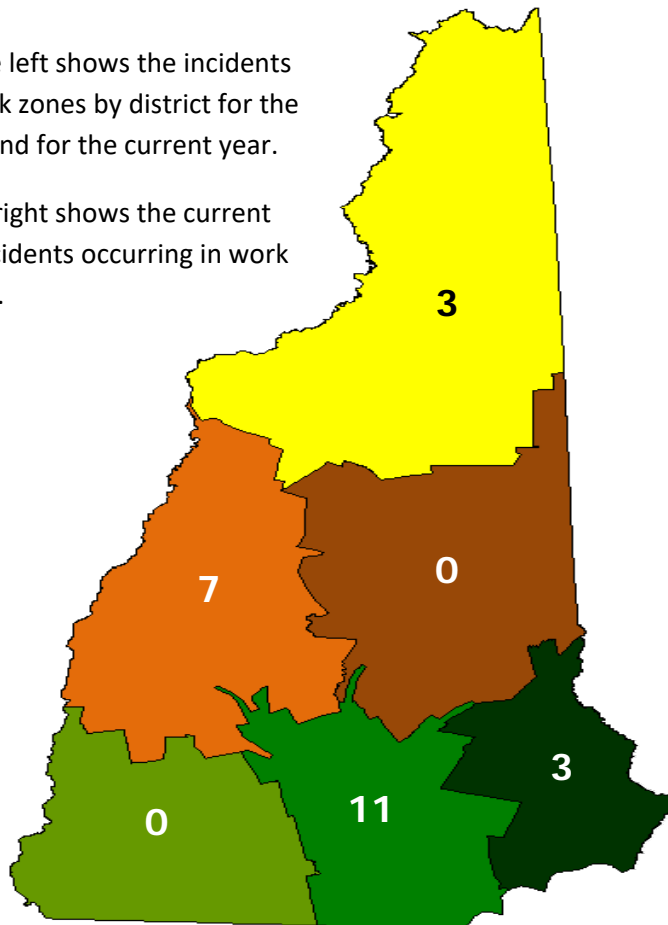


## Incidents Occurring in Work Zones by Location



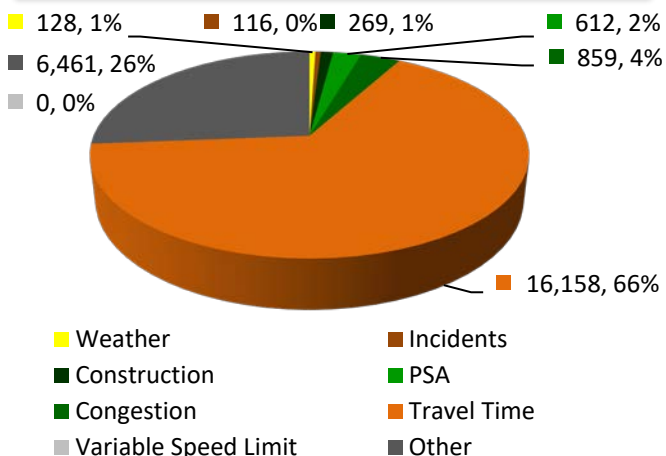
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

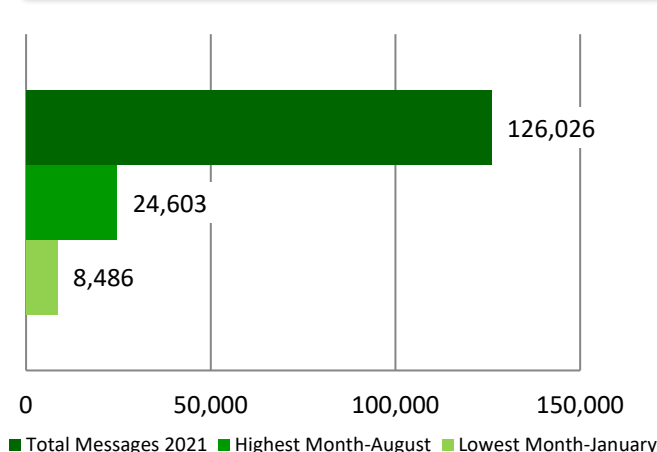


# DMS Messages

## Current Month - Messages by Type



## Total Messages - 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

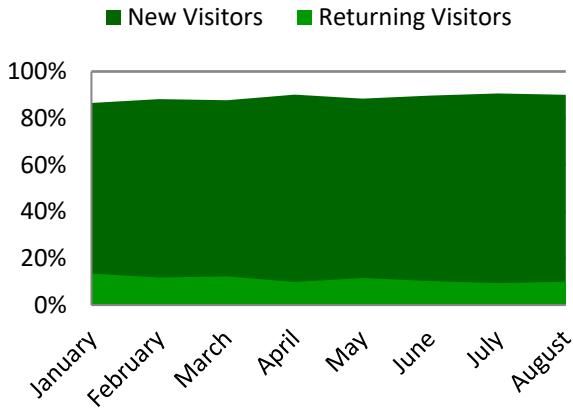
101 E 52.8 FSV5	38	93 S 25.6 PSVT - SWZ - M03	16	ST N 4.3 PSVT - SWZ - M01	513
101 W 54.3 PSWC - SWZ - M03	8	93 S 26.4 PSVT - SWZ - M02	8	ST N 4.4 FSST	24
101E 114.8 FSV6	247	93 S 27.4 PSVT - SWZ - M01	10	ST N 5.0 PSVT - SWZ - M02	257
101W 102.6 FSV5	1	93 S 31.9 PSVT - SWZ - M07	79	ST S 18.25 PSVT - SWZ - M07	335
101W 128 PSV6	19	93N 23.4 FSD5	1231	ST S 19.25 PSVT - SWZ - M08	151
293 S 4.7 PSWC - SWZ - M02	3	93N 26.9 PSVT	24	ST S 24.4 FSVT	340
293N 8.8 FSPT	1,177	93N 32.9 FSST	40	ST S 3.4 FSDT	4,636
293S 1.4 FSD5	24	93N 36.2 FSVT	35	ST S 6.6 PSVT - SWZ - M03	2,094
293S 4.8 FSDT	43	93N 76.4 FSV3	28	ST S 6.9 PSVT - SWZ - M04	167
393 W 1.9 PSV5	10	93N 82.6 FSV3	28	ST S 7.8 FSAT	3,589
4 W 98.9 FSS6	5	93N 99.6 FSA3	81	WA W 0.5 FSST	10
4E 92.4 FSS6	9	93S 117.6 FSA1	33		
4E 98 FSA6	19	93S 122.2 FSV1	24		
89 N 23.2 PSV2 - SWZ - M01	230	93S 23.4 FSD5	309		
89 N 23.7 PSV2 - SWZ - M02	230	93S 27.8 FSDT	910		
89 N 26.4 PSV2 - SWZ - M03	277	93S 32.4 FSVT	19		
89 N 28.4 PSV2 - SWZ - M08	58	93S 36.5 FSST	28		
89 N 56.8 PSV2 - SWZ - M01	564	93S 39.0 FSV5	36		
89 N 57.2 PSV2 - SWZ - M02	33	93S 43.3 PSV5	13		
89 N 59.8 PSV2 - SWZ - M03	19	93S 48.0 FSV5	38		
89 S 28.0 PSV2 - SWZ - M07	39	93S 68.8 FSV3	29		
89 S 31.0 PSV2 - SWZ - M09	40	93S 7.2 FSD5	150		
89 S 31.9 PSV2 - SWZ - M06	69	93S 85.4 FSV3	34		
89 S 32.5 PSV2 - SWZ - M05	68	95N 0.4 FSVT	652		
89 S 58.7 PSV2 - SWV - M07	3	95N 13.0 FSVT	21		
89 S VT 0.9 PSV VT - SWZ - M05	46	95N 14.5 PSVT	9		
89N 1.8 FSV5	179	95N 14.8 FSDT	11		
89N 18.4 FSS5	20	95N 3.0 FSDT	993		
89N 35.5 FSV2	26	95N 4.8 PSVT	72		
89N 54.9 FSS2	9	95S 15.4 FSDT	183		
89S 10.8 FSV5	429	95S 3.4 FSPT	38		
89S 3.4 FSV5	1,114	95S 7.2 PSVT	27		
89S 55.0 PSV2	11	95S 7.6 FSDT	316		
89S 57.7 FSS2	21	FEE N 1.2 FSVT	44		
91 N VT 69.1 PSV VT - SWZ - M06	41	FEE N 15.2 PSWC - SWZ - M07	1		
91 S VT 70.6 PSV VT - SWZ - M04	45	FEE N 17.8 FSVT	10		
93 N 0.5 FSDT	277	FEE S 3.8 FSDT	18		
93 N 7.5 FSD5	176	FEE S 8.6 FSPT	10		
93 S 22.6 PSVT - SWZ - M06	64	ST N 1.0 FSAT	330		
93 S 23.3 PSVT - SWZ - M05	6	ST N 16.2 PSVT - SWZ - M06	383		
93 S 25.1 PSVT - SWZ - M04	14	ST N 16.7 PSVT - SWZ - M05	455		



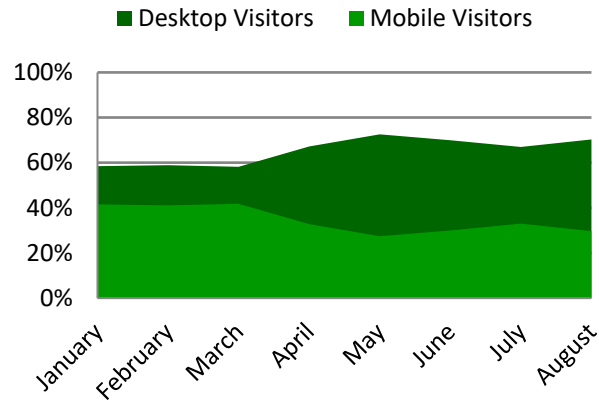
# Public Outreach

## 724 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.



43,982 Total Twitter Followers

