

# 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.*

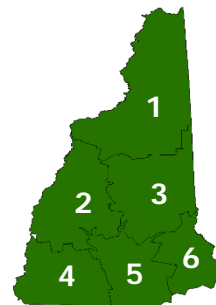
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### ***Transportation Management Center's Mission***

*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

	2022 Total	2023 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	144	146

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### Dynamic Message Signs (DMS)

	2022 Total	2023 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>

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<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)

	2022 Total	2023 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.	38	38

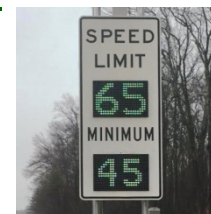
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### Variable Speed Limit Sign (VSL)

	2022 Total	2023 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	21	21

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### Motor Vehicle Detection System (MVDS)

	2022 Total	2023 Total
MVDS are sensors that collect speed and volume data.	39	39

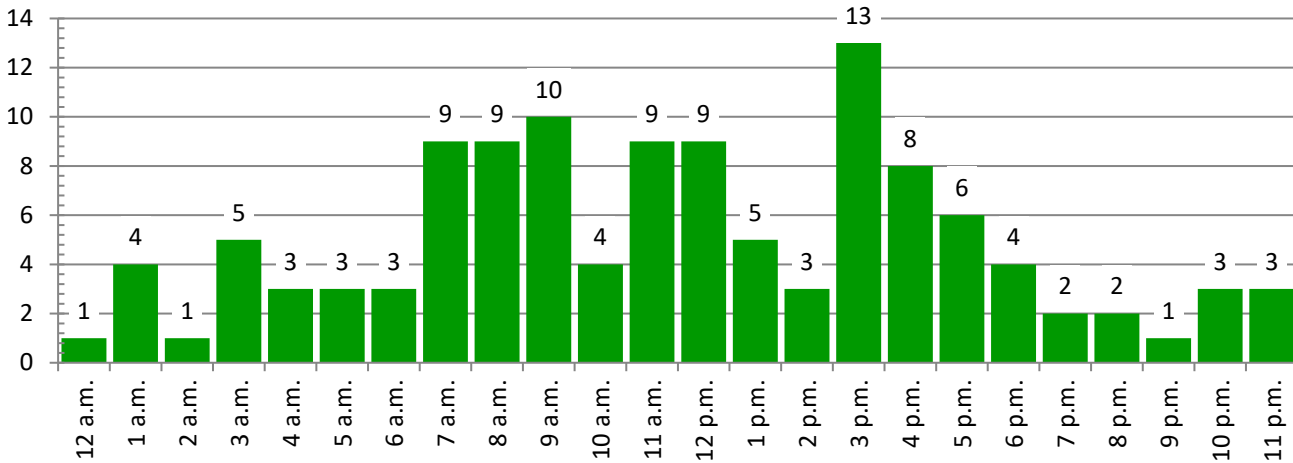
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# Summary

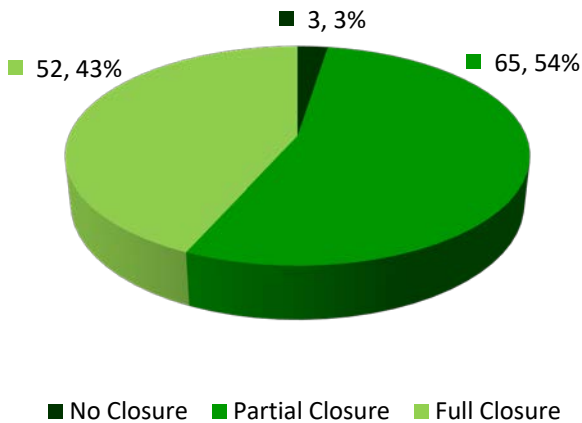
	Current Month	2023 Total
<b>Unplanned Incidents</b>		
	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	120	719
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	512	1,177
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,788	21,004
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that is outside of planned incidents.	2,308	6,602
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	28,300	117,192
<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.	890	6,295
<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	3

# 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:

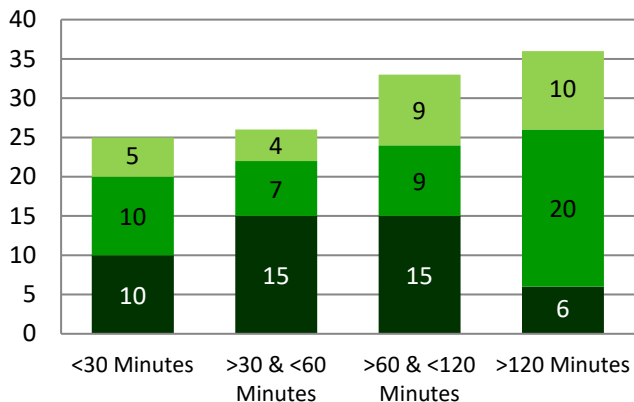
**No Closure:** No lane closures occurred during the incident.

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

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

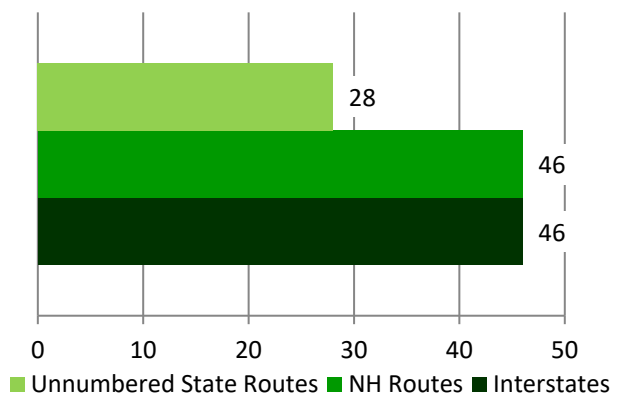
## Current Month - Incident Duration

This graph shows the duration history of incidents.

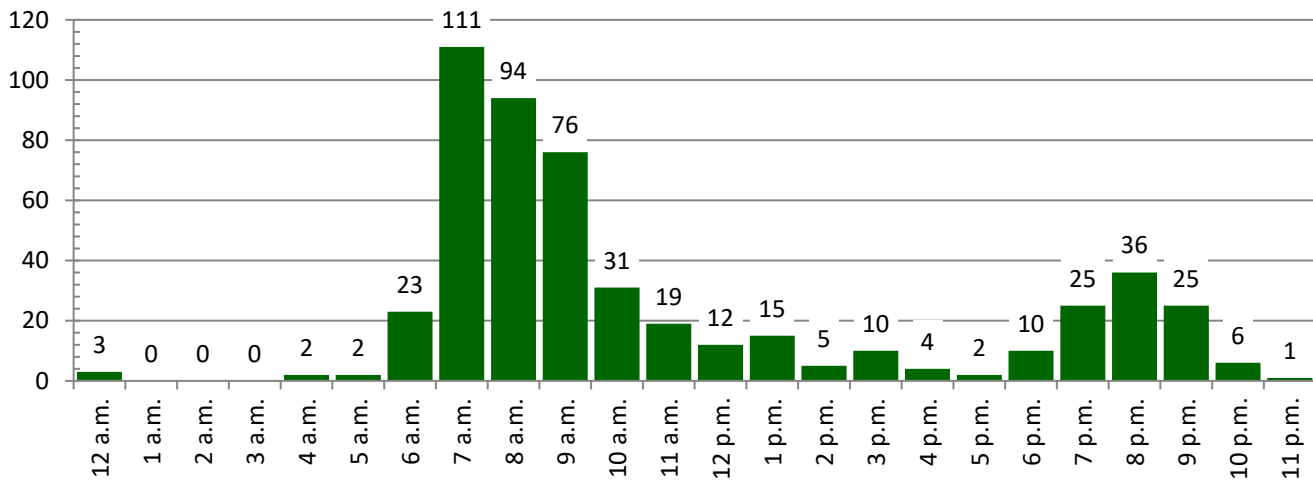


## Current Month - Incident by Road

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

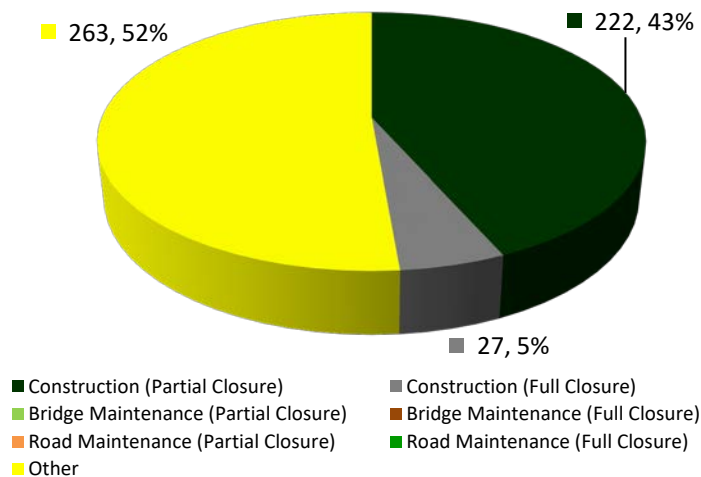


# Planned Events



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

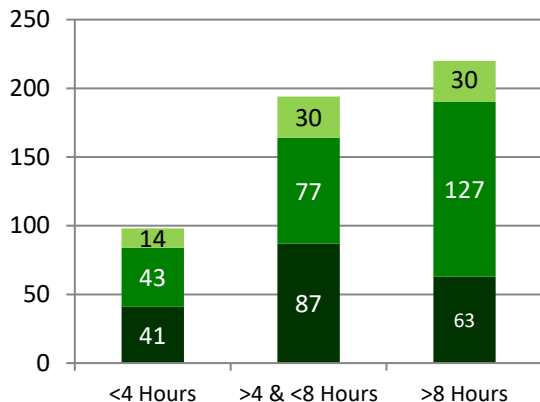


This graph shows the type of incident totals for the month.

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.

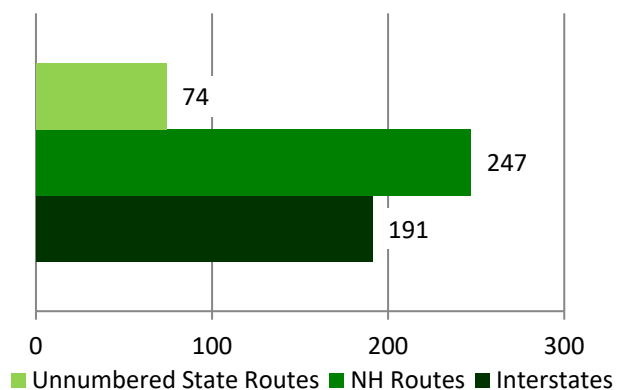
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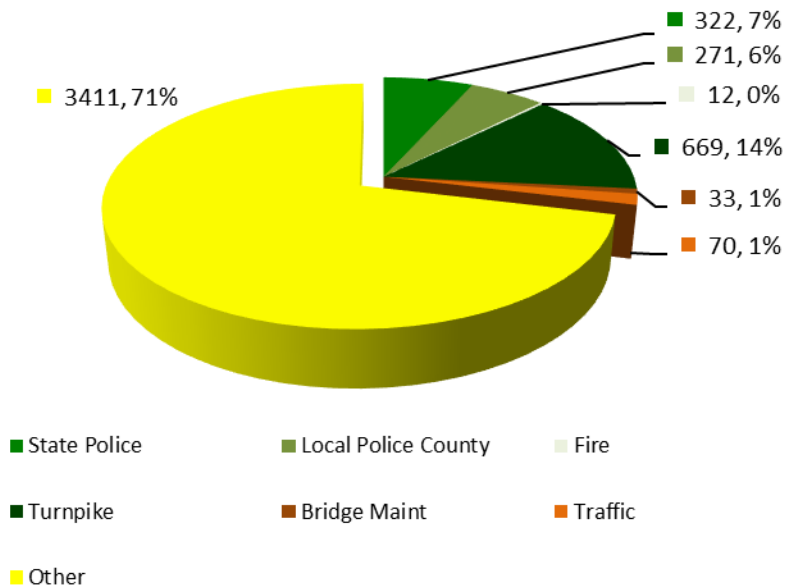
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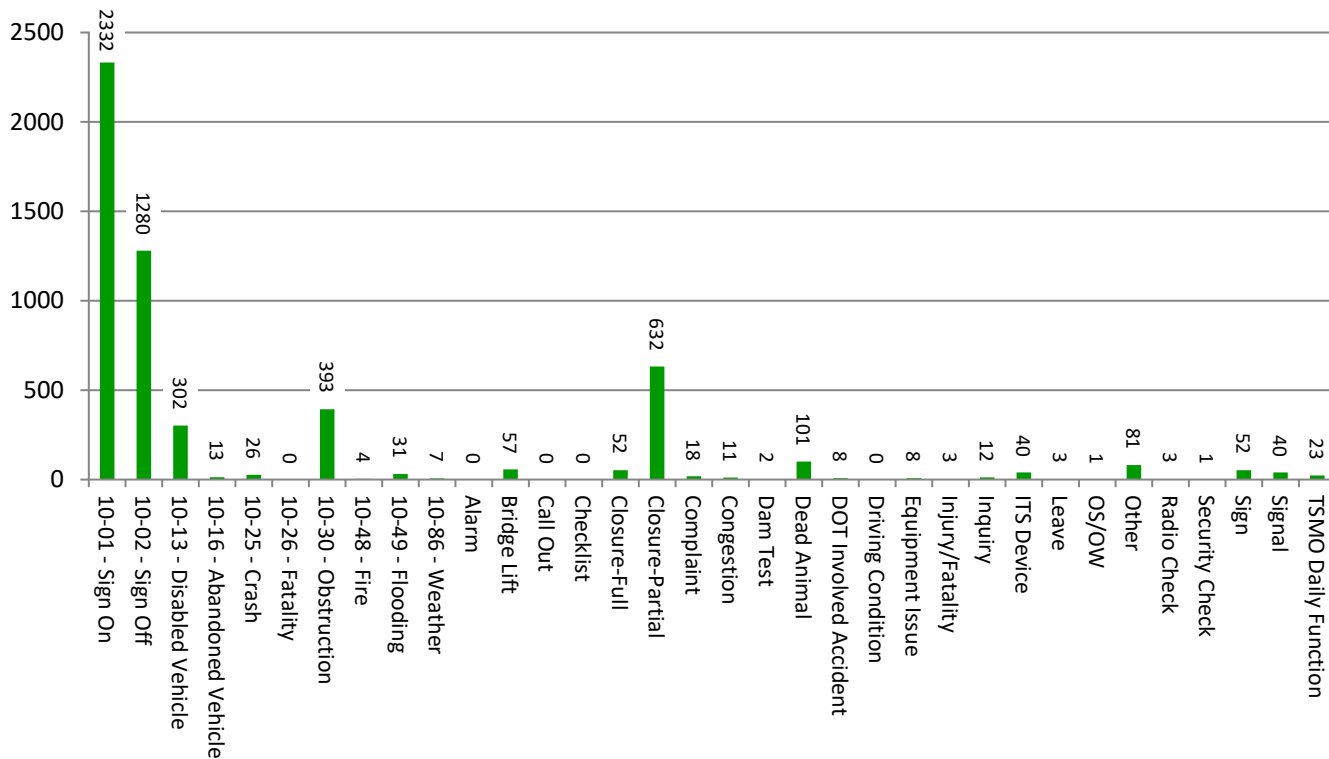
## Current Month - Calls by Type

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



## Log Entries by Type

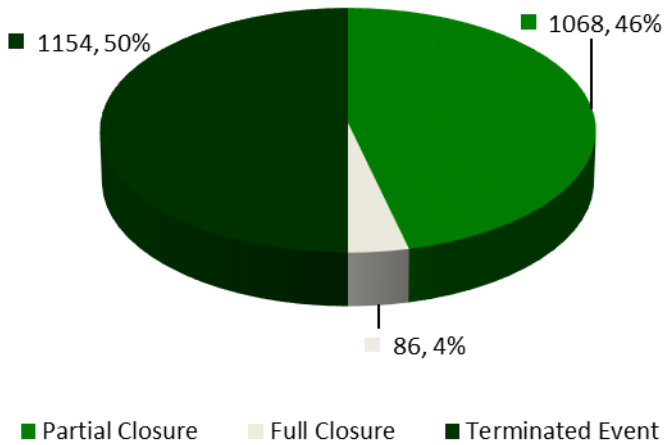
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



# Work Zone Communication

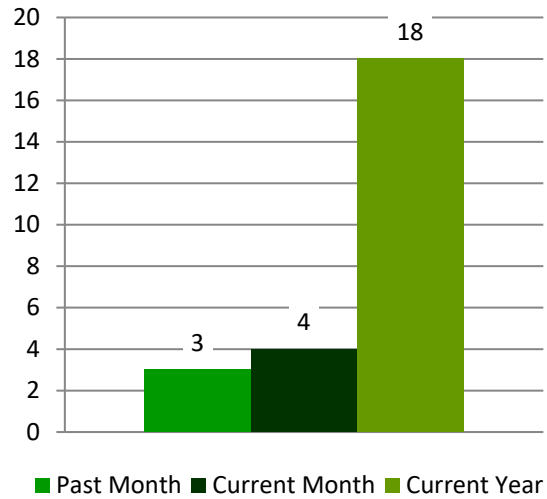
## Current Month – Construction Calls

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

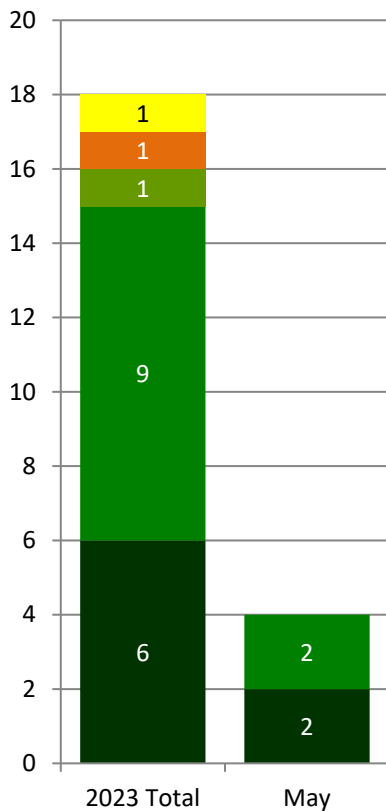


## Incidents Occurring in Work Zones

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

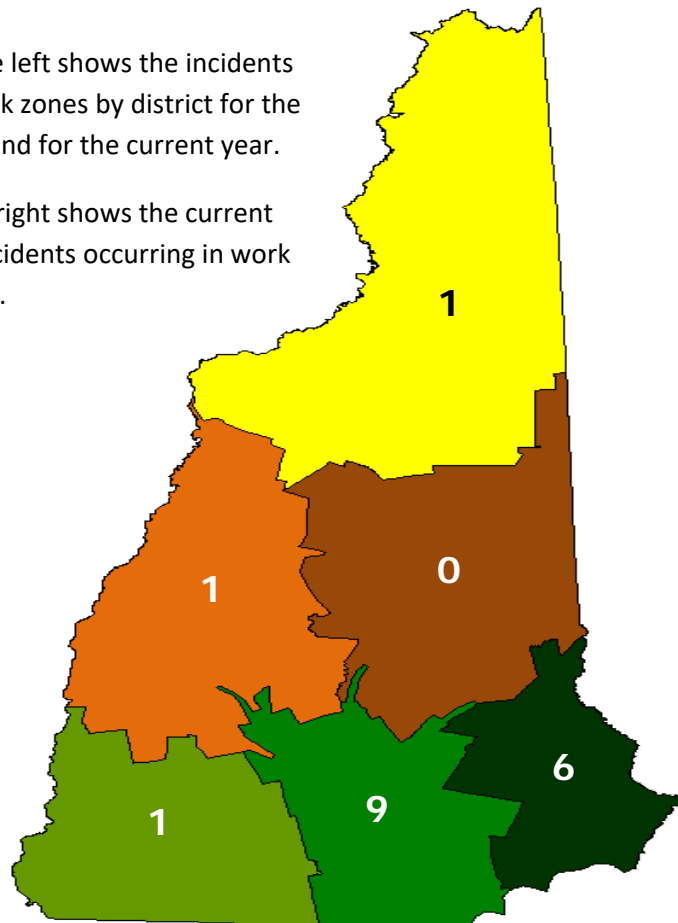


## Incidents Occurring in Work Zones by Location



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

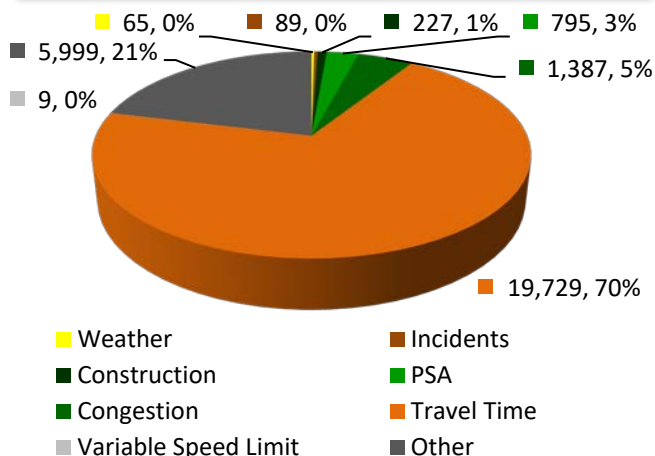
The map to the right shows the current year total for incidents occurring in work zones by district.



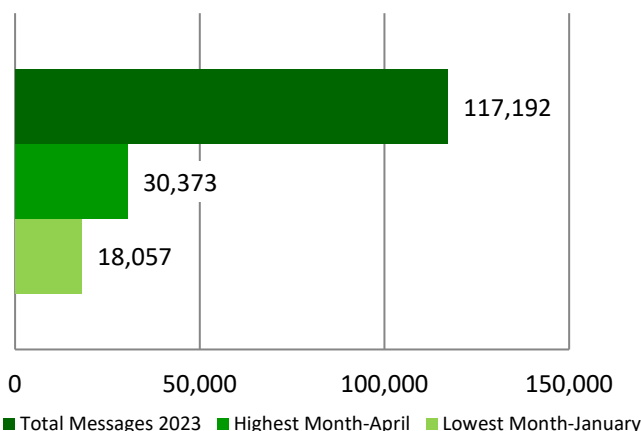
■ District 6 
 ■ District 5 
 ■ District 4 
 ■ District 3 
 ■ District 2 
 ■ District 1

# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2023



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

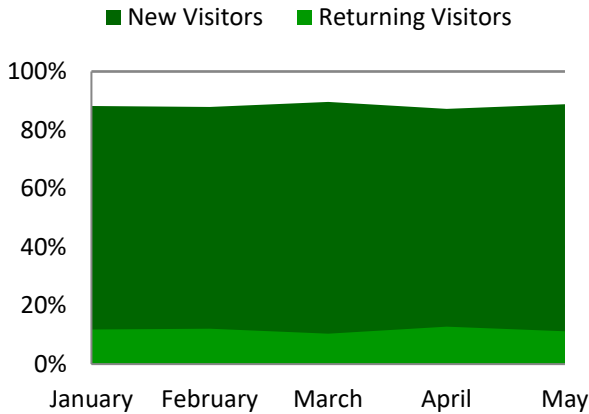
101 E 52.8 FSV5	37	89S 55.0 PSV2	6	FEE N 17.8 FSVT	14
101 E 53 PSWC - SWZ - M04	89	89S 57.7 FSS2	100	FEE N 18.0 PSWC - SWZ - M05	89
101 W 54.3 PSWC - SWZ - M03	171	91 N VT 69.1 PSV VT - SWZ - M06	579	FEE S 3.8 FSDT	35
101E 114.8 FSV6	230	91 S VT 70.6 PSV VT - SWZ - M04	684	FEE S 8.6 FSPT	5
101W 102.6 FSV5	13	93 N 0.5 FSDT	185	ST N 1.0 FSAT	3,896
101W 128 PSV6	4	93 N 6.6 VSL D5	3	ST N 16.2 PSVT - SWZ - M06	38
16N 35.0 PSV3	1	93 N 7.5 FSD5	249	ST N 16.7 PSVT - SWZ - M05	136
16S 75.4 FSV3	6	93 NM 6.6 VSL D5	3	ST N 4.3 PSVT - SWZ - M01	674
293 S 4.7 PSWC - SWZ - M02	114	93 S 30.4 PSVT	4	ST N 4.4 FSST	35
293 S 5.2 PSWC - SWZ - M01	87	93 S 5.2 VSL D5	3	ST N 5.0 PSVT - SWZ - M02	337
293N 8.8 FSPT	990	93N 23.4 FSD5	923	ST S 18.25 PSVT - SWZ - M07	164
293S 1.4 FSD5	37	93N 26.9 PSVT	16	ST S 19.25 PSVT - SWZ - M08	6
293S 4.8 FSDT	49	93N 32.9 FSST	1	ST S 24.4 FSVT	335
393 W 1.9 PSV5	15	93N 36.2 FSVT	40	ST S 3.4 FSDT	5,137
4 W 98.9 FSS6	26	93N 57.6 FSS3	27	ST S 6.6 PSVT - SWZ - M03	6
4E 92.4 FSS6	15	93N 76.4 FSV3	13	ST S 6.9 PSVT - SWZ - M04	216
4E 98 FSA6	28	93N 82.6 FSV3	2	ST S 7.8 FSAT	3,026
89 N 23.2 PSV2 - SWZ - M01	844	93N 99.6 FSA3	55	WA W 0.5 FSST	14
89 N 23.7 PSV2 - SWZ - M02	846	93S 122.2 FSV1	6		
89 N 26.4 PSV2 - SWZ - M03	77	93S 23.4 FSD5	395		
89 N 28.4 PSV2 - SWZ - M08	56	93S 27.8 FSDT	1,216		
89 N 30.2 PSV2 - SWZ - M04	38	93S 32.4 FSVT	6		
89 N 56.8 PSV2 - SWZ - M01	56	93S 36.5 FSST	20		
89 N 57.2 PSV2 - SWZ - M02	84	93S 39.0 FSV5	37		
89 N 57.3 FSS 2	13	93S 43.3 PSV5	14		
89 N 59.8 PSV2 - SWZ - M03	124	93S 48.0 FSV5	13		
89 S 28.0 PSV2 - SWZ - M07	294	93S 68.8 FSV3	35		
89 S 31.0 PSV2 - SWZ - M09	350	93S 7.2 FSD5	138		
89 S 31.9 PSV2 - SWZ - M06	3	93S 85.4 FSV3	37		
89 S 32.5 PSV2 - SWZ - M05	3	95N 0.4 FSVT	186		
89 S 58.7 PSV2 - SWV - M07	10	95N 13.0 FSVT	30		
89 S VT 0.9 PSV VT - SWZ - M05	337	95N 14.8 FSDT	60		
89N 1.8 FSV5	186	95N 3.0 FSDT	319		
89N 18.4 FSS5	36	95N 4.8 PSVT	10		
89N 35.5 FSV2	4	95S 15.4 FSDT	303		
89N 43.8 FSV2	2	95S 3.4 FSPT	7		
89N 49.0 PSV2	1	95S 7.2 PSVT	4		
89N 54.9 FSS2	18	95S 7.6 FSDT	164		
89S 10.8 FSV5	216	FEE N 1.2 FSVT	49		
89S 3.4 FSV5	2,513	FEE N 15.2 PSWC - SWZ - M07	84		
89S 42.6 PSV2	2	FEE N 17.5 PSWC - SWZ - M06	86		



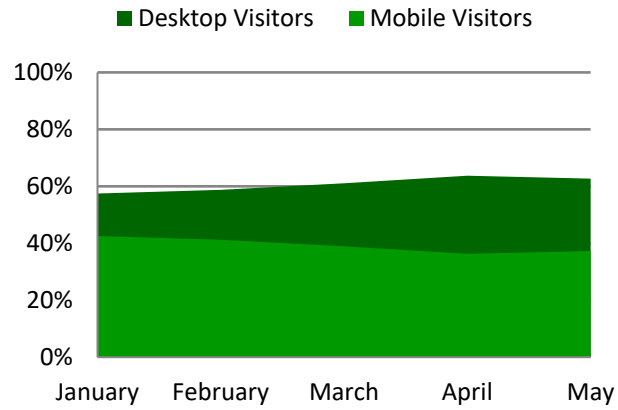
# Public Outreach

## 890 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.



44,288 Total Twitter Followers

