

# 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***

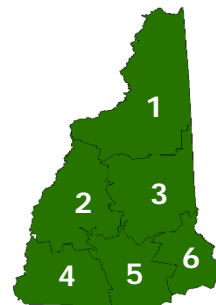
*Transportation excellence enhancing the quality of life in New Hampshire.*

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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

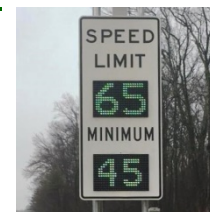
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### 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

MVDS are sensors that collect speed and volume data.



# 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.	177	509

	Current Month	2023 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.	141	316

	Current Month	2023 Total
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,332	12,390

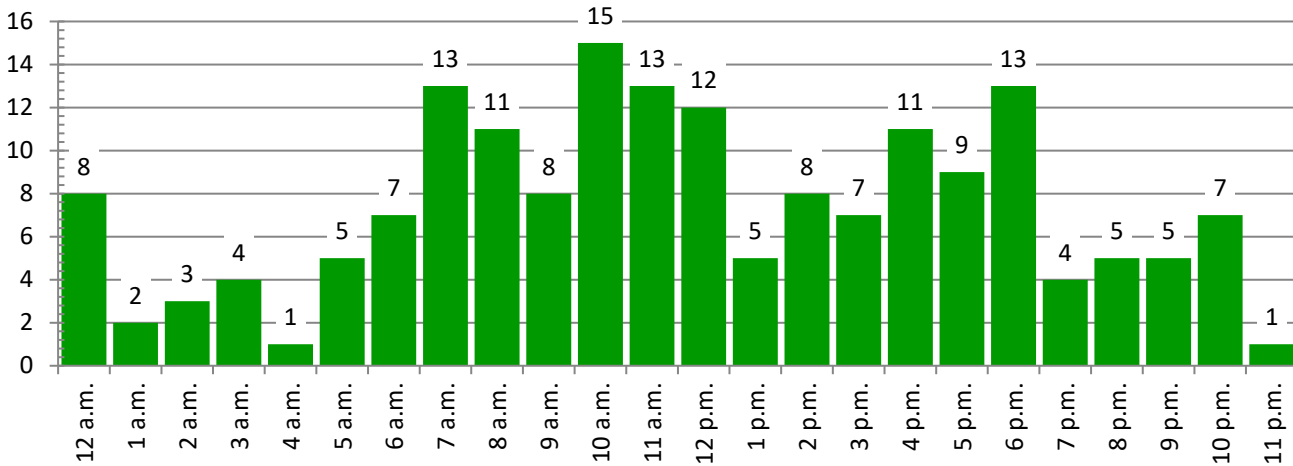
	Current Month	2023 Total
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that is outside of planned incidents.	1,104	2,778

	Current Month	2023 Total
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	21,888	58,519

	Current Month	2023 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.	1,480	4,692

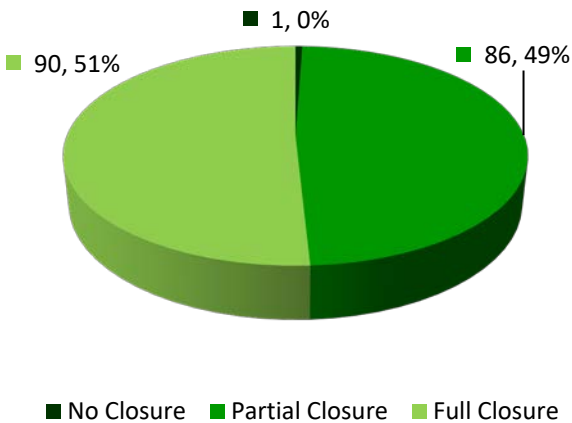
	Current Month	2023 Total
<b>Storm Desk Activations</b>	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	3

# 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:

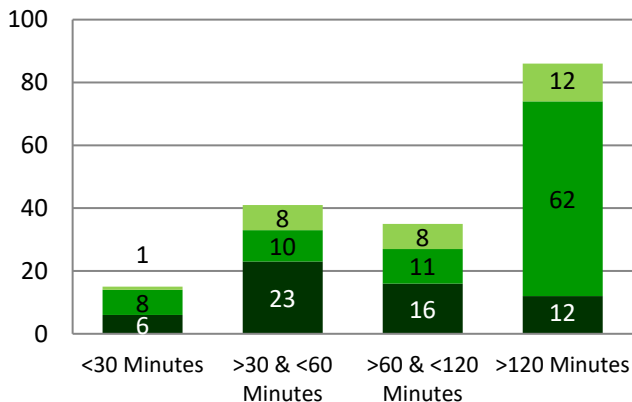
**No Closure:** No lane closures occurred during the incident.

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

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

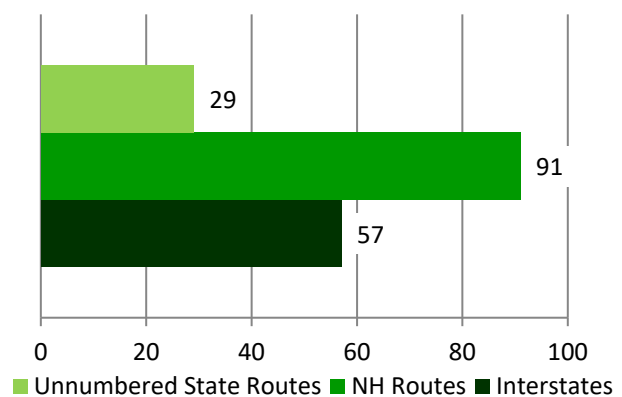
## Current Month - Incident Duration

This graph shows the duration history of incidents.

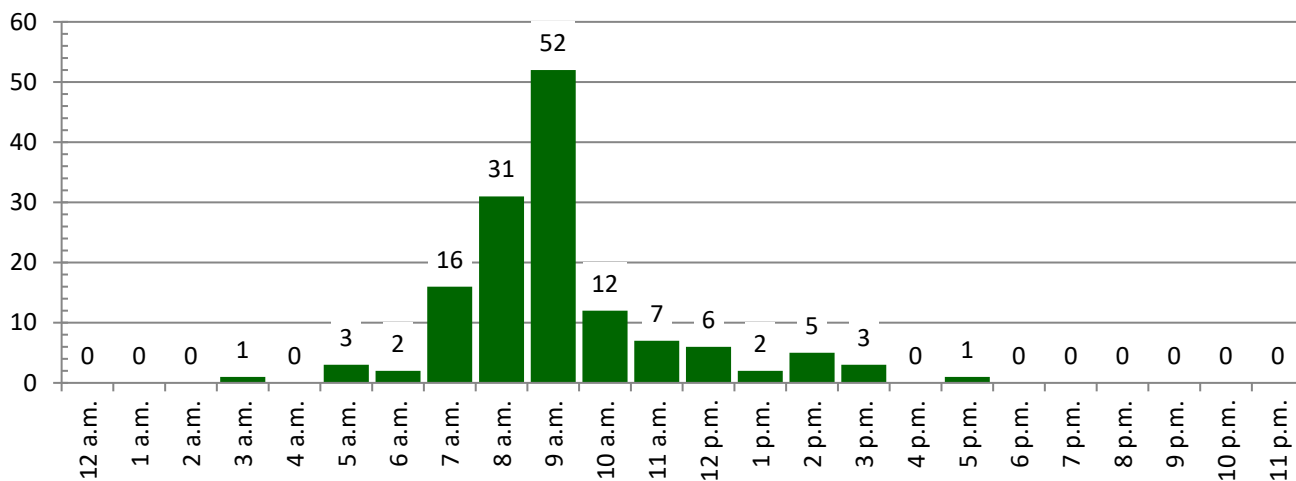


## Current Month - Incident by Road

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

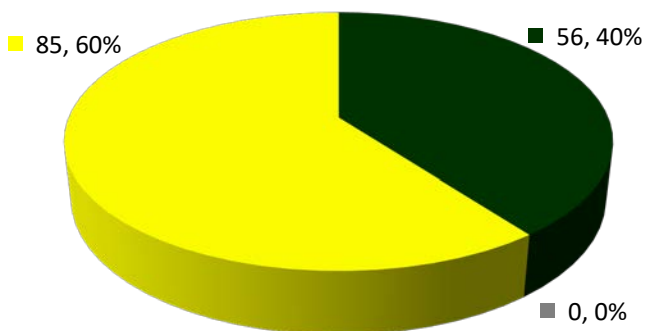


# Planned Events



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



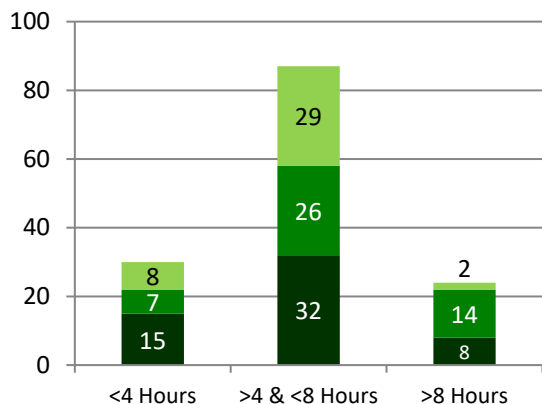
This graph shows the type of incident totals for the month.

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.

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

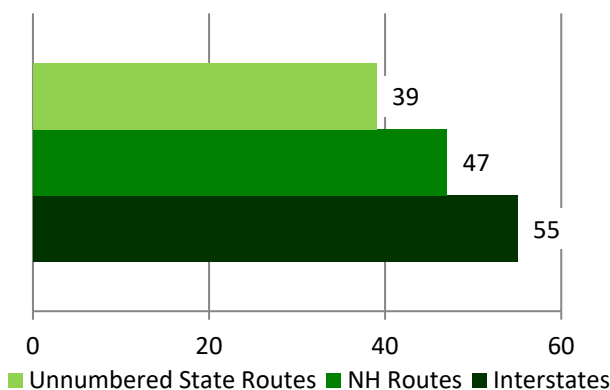
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

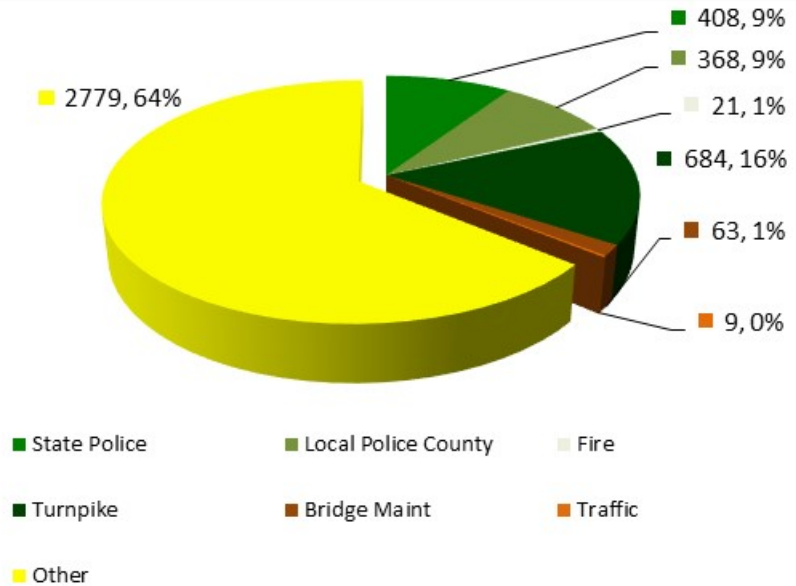
This graph shows which type of roadway the incidents occurred on.



# Communication

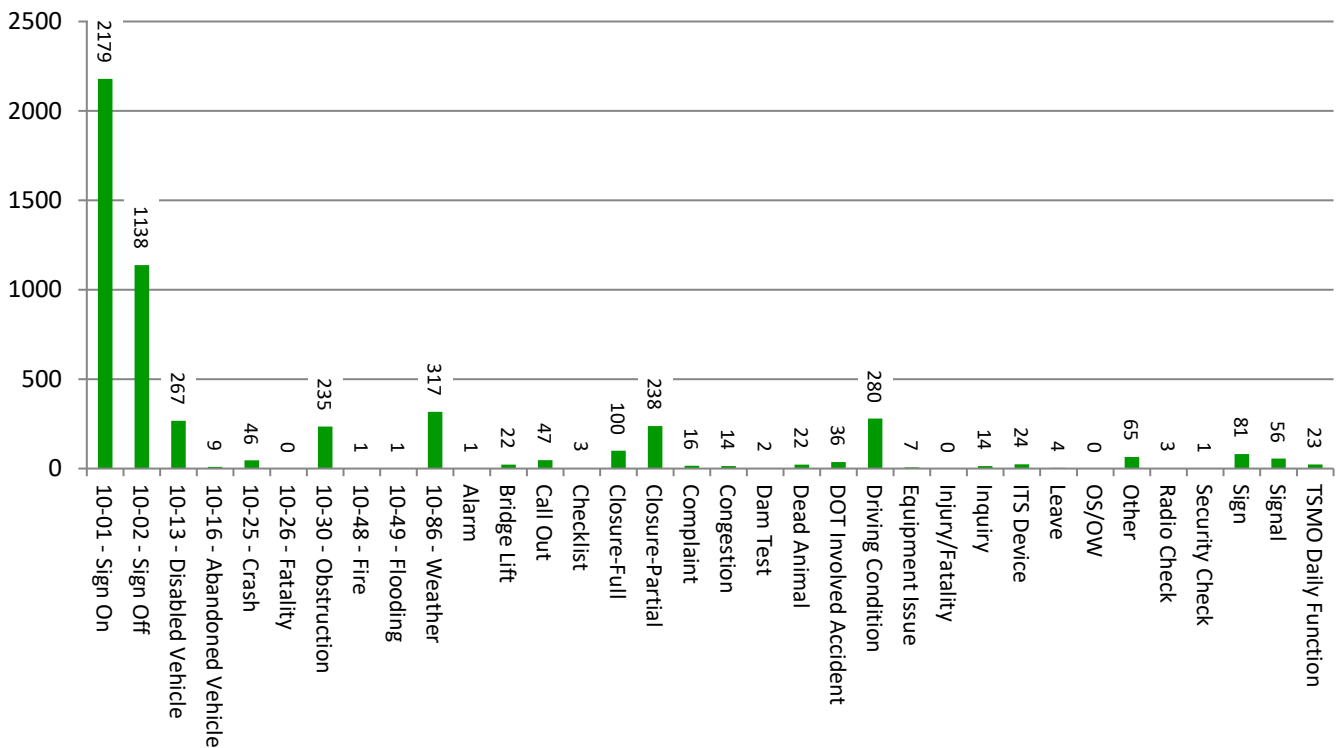
## Current Month - Calls by Type

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



## Log Entries by Type

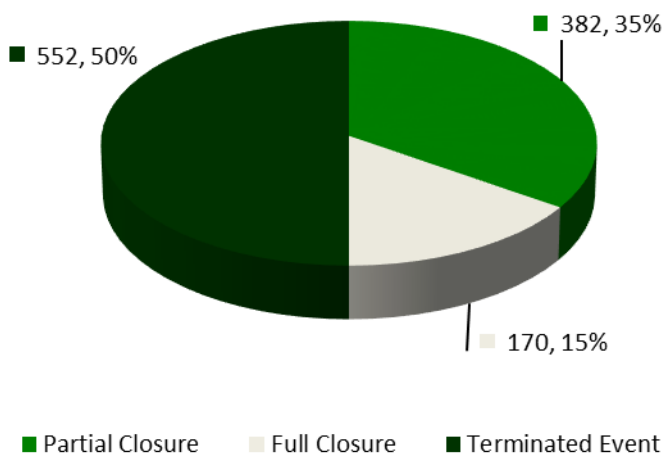
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



# Work Zone Communication

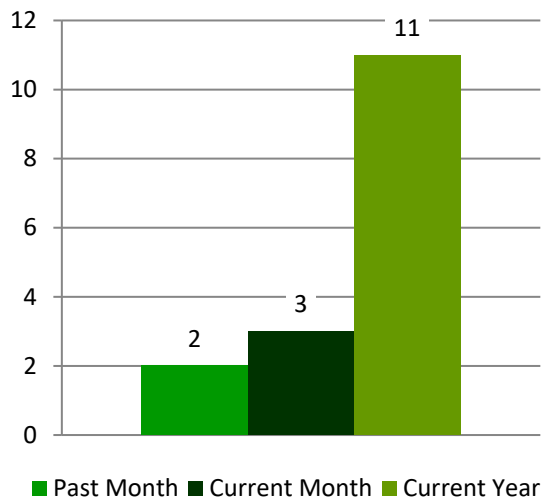
## Current Month – Construction Calls

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

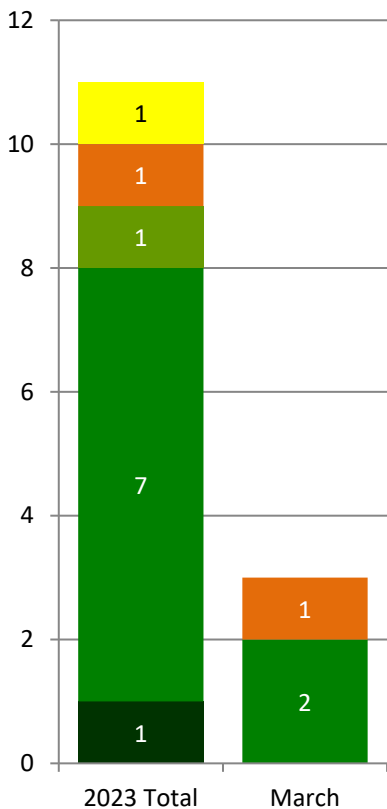


## Incidents Occurring in Work Zones

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

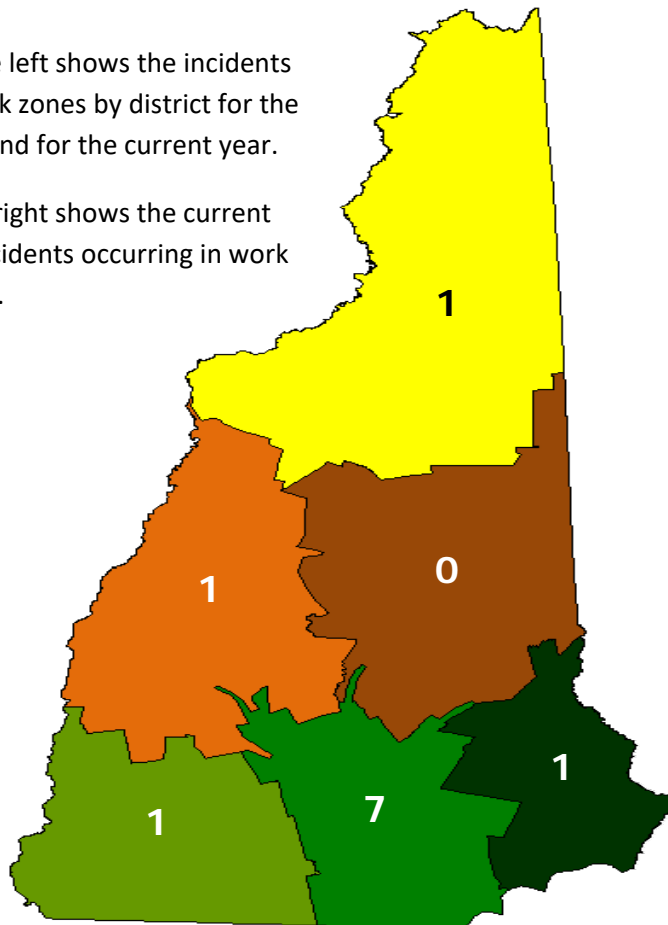


## Incidents Occurring in Work Zones by Location



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

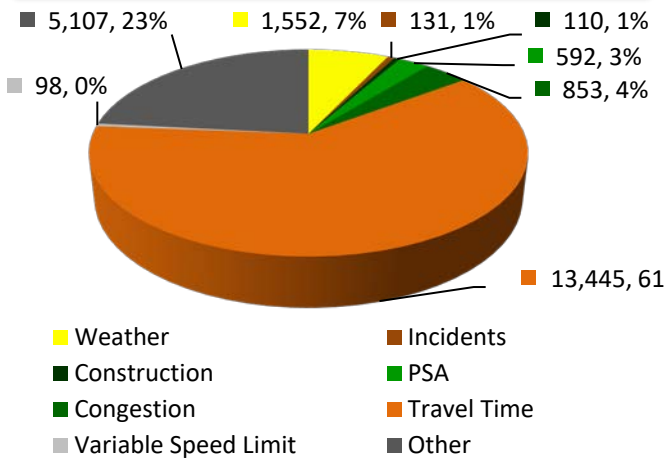
The map to the right shows the current year total for incidents occurring in work zones by district.



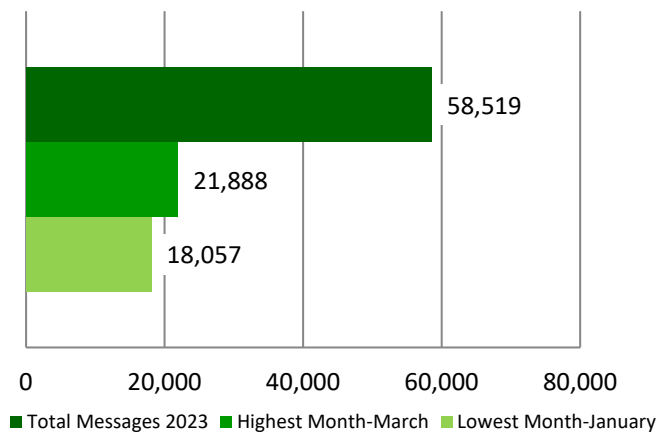
■ District 6 
 ■ District 5 
 ■ District 4  
■ District 3 
 ■ District 2 
 ■ District 1

# 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

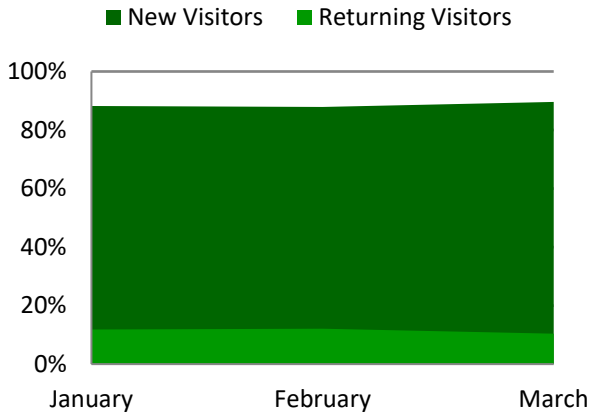
101 E 52.8 FSV5	72	89S 31.4 PSP5	35	93S 122.2 FSV1	32
101 E 53 PSWC - SWZ - M04	173	89S 42.6 PSV2	53	93S 14.4 VSL D5	5
101 W 54.3 PSWC - SWZ - M03	388	89S 55.0 PSV2	53	93S 14.4 VSL D5 Median	5
101E 102 PSP5	18	89S 57.7 FSS2	79	93S 23.4 FSD5	238
101E 114.8 FSV6	203	91 N VT 69.1 PSV VT - SWZ - M06	259	93S 27.8 FSDT	1,159
101W 102.6 FSV5	34	91 S VT 70.6 PSV VT - SWZ - M04	264	93S 32.4 FSVT	25
101W 115 PSP5	20	93 N 0.5 FSDT	201	93S 36.5 FSST	44
101W 128 PSV6	37	93 N 12.4 VSL SE 5	1	93S 39.0 FSV5	70
16N 35.0 PSV3	31	93 N 2.35 VSL D 5	6	93S 43.3 PSV5	26
16S 75.4 FSV3	31	93 N 3.8 VSL D5	6	93S 48.0 FSV5	44
293 S 4.7 PSWC - SWZ - M02	91	93 N 6.6 VSL D5	6	93S 57.6 PSP5	22
293 S 5.2 PSWC - SWZ - M01	91	93 N 7.5 FSD5	242	93S 68.8 FSV3	52
293N 8.8 FSPT	257	93 NM 12.4 VSL SE 5	2	93S 7.2 FSD5	168
293S 1.4 FSD5	61	93 NM 2.35 VSL D 5	9	93S 85.4 FSV3	56
293S 4.8 FSDT	89	93 NM 3.8 VSL D5	6	95N 0.4 FSVT	103
393 W 1.9 PSV5	24	93 NM 6.6 VSL D5	6	95N 13.0 FSVT	38
4 W 98.9 FSS6	39	93 S 10.7 VSL SE 5	2	95N 14.8 FSDT	60
4E 92.4 FSS6	22	93 S 17.8 VSL SE 5	2	95N 3.0 FSDT	155
4E 98 FSA6	54	93 S 2.2 VSL D 5	6	95S 15.4 FSDT	153
89 N 23.2 PSV2 - SWZ - M01	34	93 S 22.6 PSVT - SWZ - M06	10	95S 3.4 FSPT	29
89 N 23.7 PSV2 - SWZ - M02	37	93 S 23.3 PSVT - SWZ - M05	56	95S 7.6 FSDT	138
89 N 26.4 PSV2 - SWZ - M03	31	93 S 25.1 PSVT - SWZ - M04	44	FEE N 1.2 FSVT	69
89 N 28.4 PSV2 - SWZ - M08	26	93 S 25.6 PSVT - SWZ - M03	57	FEE N 15.2 PSWC - SWZ - M07	60
89 N 30.2 PSV2 - SWZ - M04	22	93 S 26.4 PSVT - SWZ - M02	78	FEE N 16.2 PSVT	36
89 N 56.8 PSV2 - SWZ - M01	113	93 S 27.4 PSVT - SWZ - M01	44	FEE N 17.5 PSWC - SWZ - M06	62
89 N 57.2 PSV2 - SWZ - M02	101	93 S 31.9 PSVT - SWZ - M07	47	FEE N 17.8 FSVT	32
89 N 59.8 PSV2 - SWZ - M03	99	93 S 5.2 VSL D5	6	FEE N 18.0 PSWC - SWZ - M05	64
89 S 28.0 PSV2 - SWZ - M07	24	93 SM 10.7 VSL SE 5	1	FEE N 5.2 PSVT	52
89 S 31.0 PSV2 - SWZ - M09	16	93 SM 17.8 VSL SE 5	4	FEE S 17.8 PSVT	56
89 S 31.9 PSV2 - SWZ - M06	61	93 SM 2.2 VSL D 5	6	FEE S 3.8 FSDT	55
89 S 32.5 PSV2 - SWZ - M05	23	93 SM 5.2 VSL D5	1	FEE S 8.6 FSPT	14
89 S 58.7 PSV2 - SWV - M07	57	93N 16.0 VSL D5	9	ST N 1.0 FSAT	2,968
89 S VT 0.9 PSV VT - SWZ - M05	280	93N 16.0 VSL D5 Median	9	ST N 16.2 PSVT - SWZ - M06	12
89N 1.8 FSV5	185	93N 23.4 FSD5	627	ST N 16.7 PSVT - SWZ - M05	106
89N 18.4 FSS5	55	93N 32.9 FSST	53	ST N 19.2 PSVT	34
89N 35.5 FSV2	55	93N 36.2 FSVT	63	ST N 4.3 PSVT - SWZ - M01	590
89N 43.8 PSV2	52	93N 43.8 PSP5	19	ST N 4.4 FSST	55
89N 49.0 PSV2	21	93N 57.6 FSS3	40	ST N 5.0 PSVT - SWZ - M02	289
89N 54.9 FSS2	26	93N 76.4 FSV3	35	ST S 18.25 PSVT - SWZ - M07	169
89S 10.8 FSV5	184	93N 99.6 FSA3	64	ST S 19.25 PSVT - SWZ - M08	19
89S 3.4 FSV5	1,239	93S 117.6 FSA1	5	ST S 24.4 FSVT	260



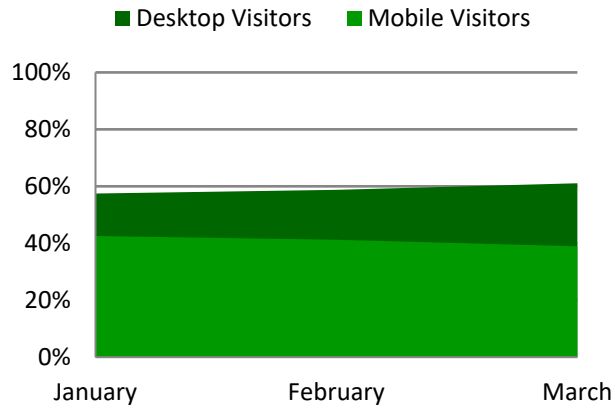
# Public Outreach

## 1,480 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.



44,298 Total Twitter Followers

