

# 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.*

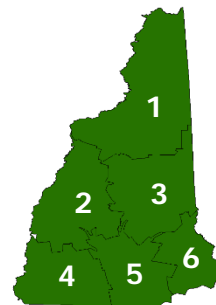
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## ***Transportation Management Center's Mission***

*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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### 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

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### 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

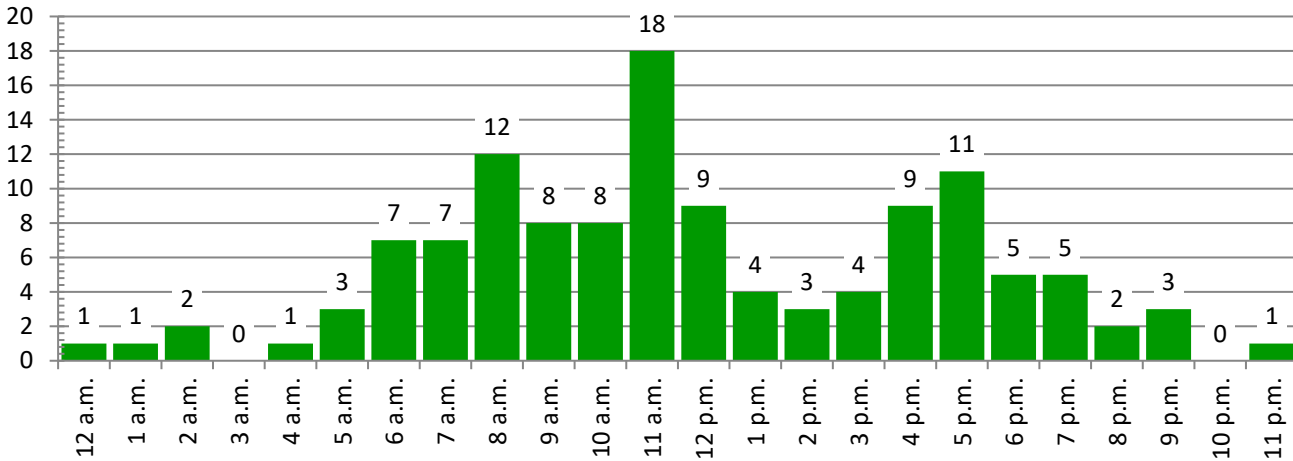
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# Summary

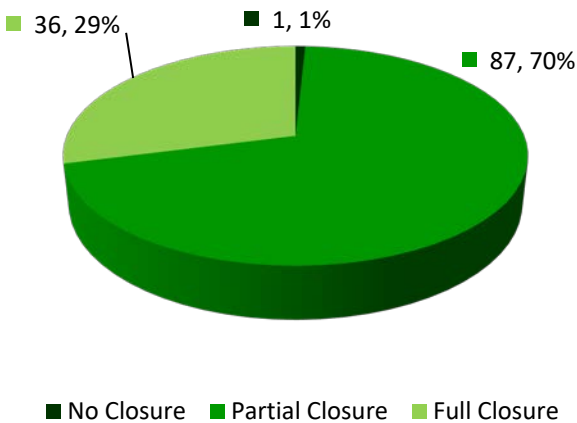
	Current Month	2023 Total
<b>Unplanned Incidents</b>	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	124	1,173
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	507	2,677
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	5,399	37,313
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that is outside of planned incidents.	2,540	14,016
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	34,206	212,374
<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.	868	10,507
<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	6

# 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:

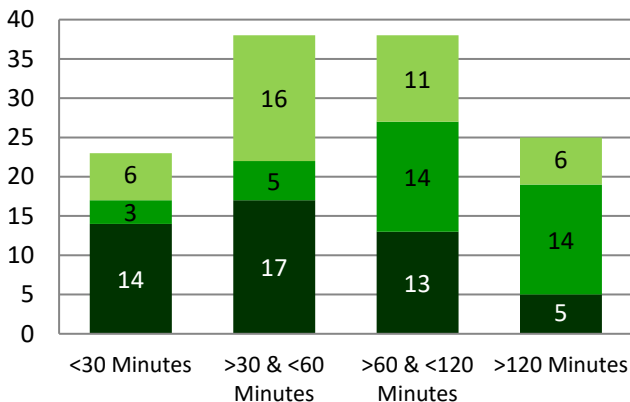
**No Closure:** No lane closures occurred during the incident.

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

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

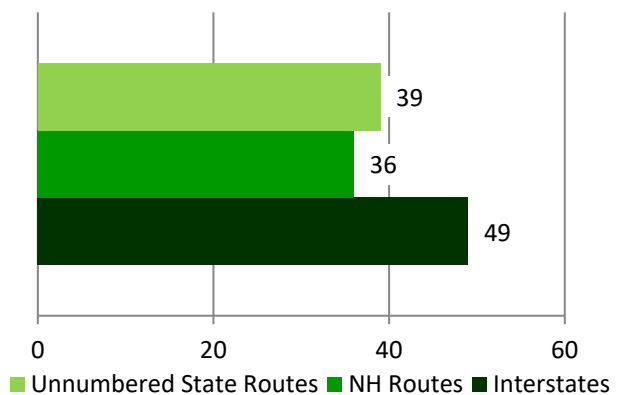
## Current Month - Incident Duration

This graph shows the duration history of incidents.

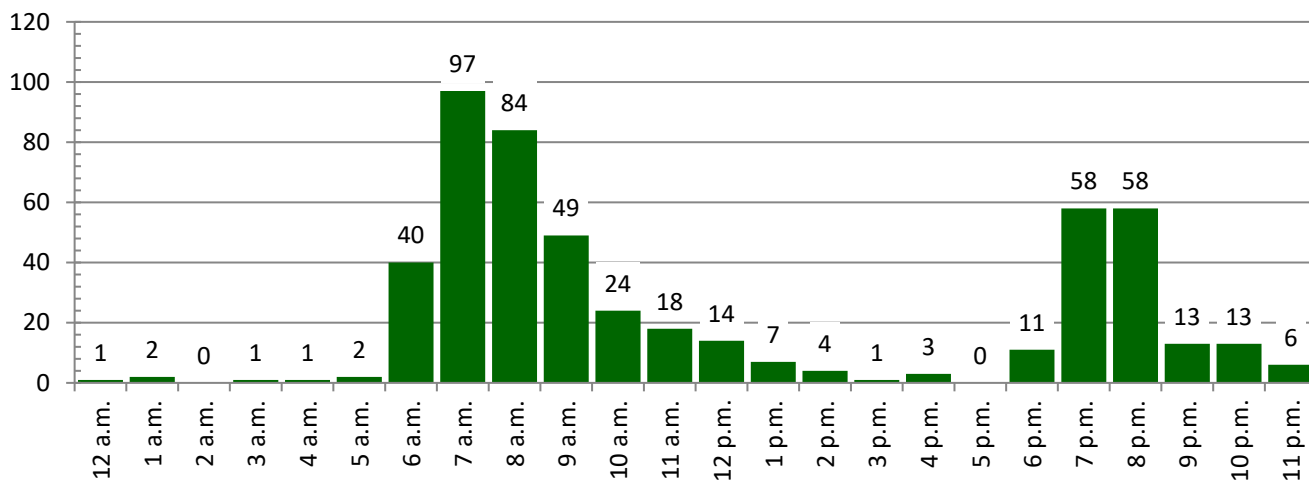


## Current Month - Incident by Road

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

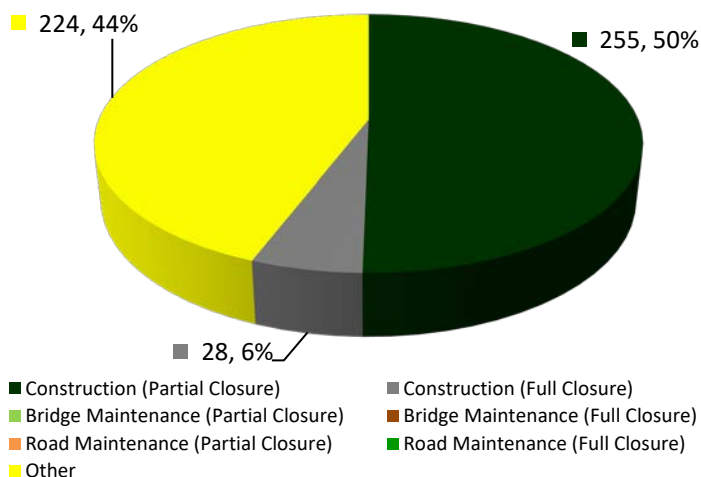


# Planned Events



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

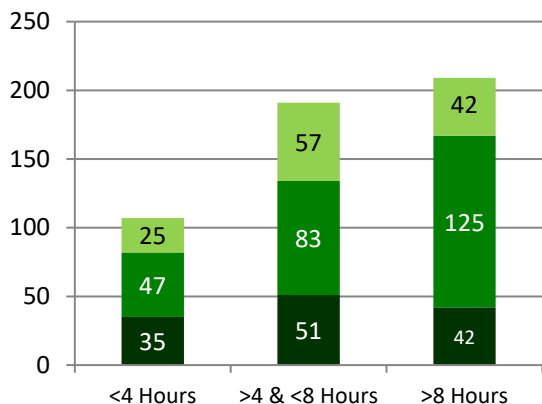


This graph shows the type of incident totals for the month.

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.

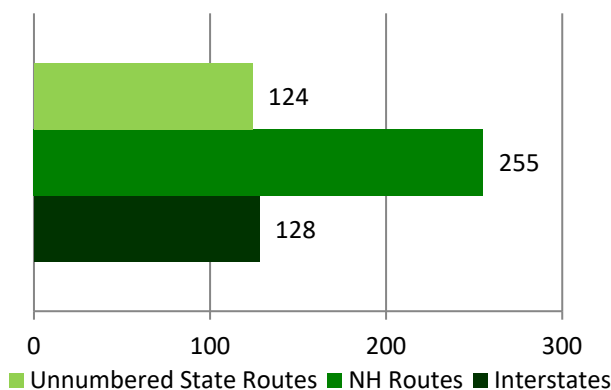
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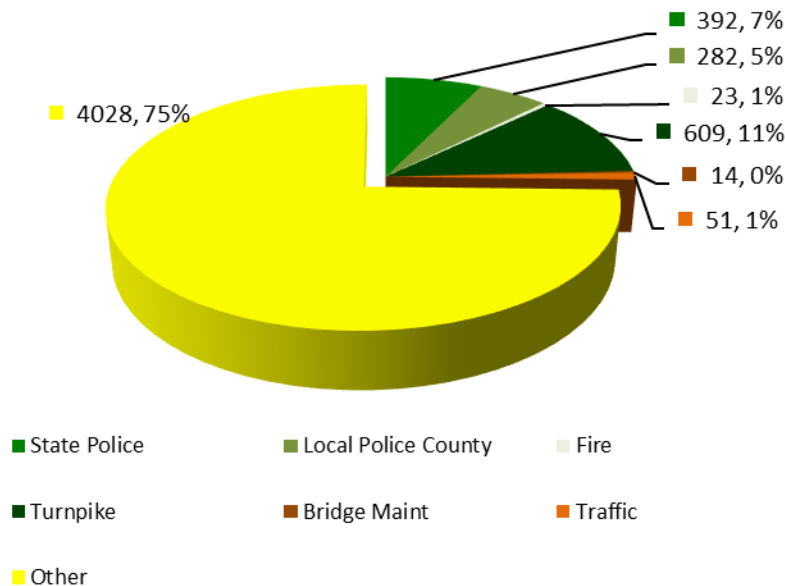
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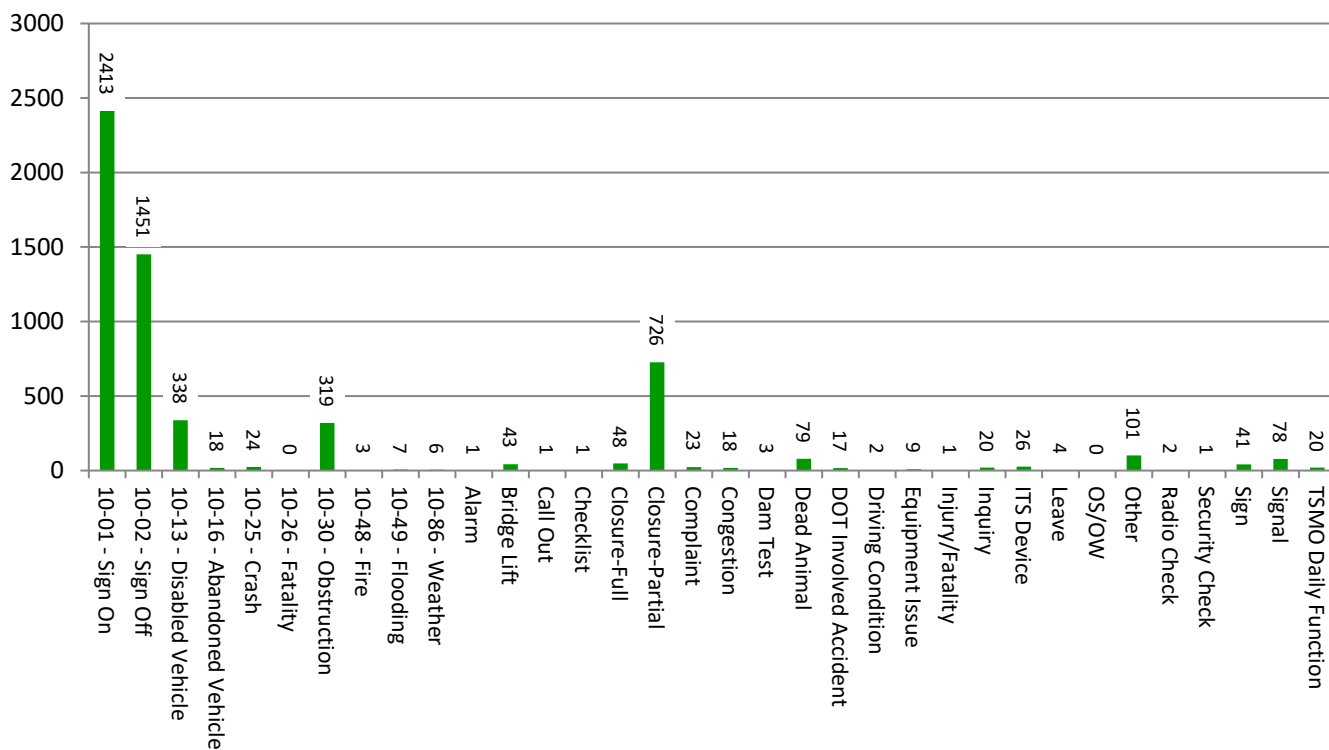
## Current Month - Calls by Type

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



## Log Entries by Type

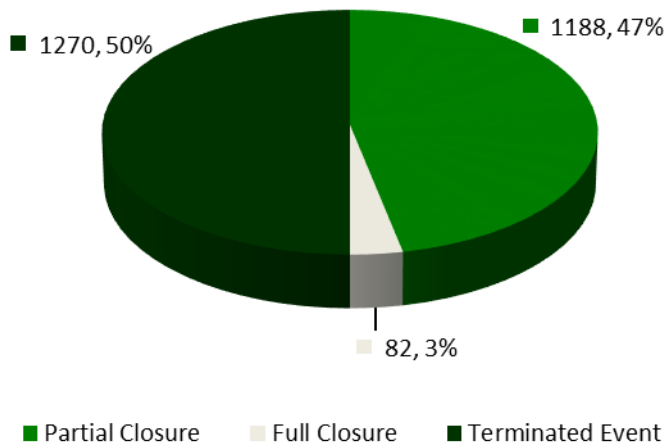
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



# Work Zone Communication

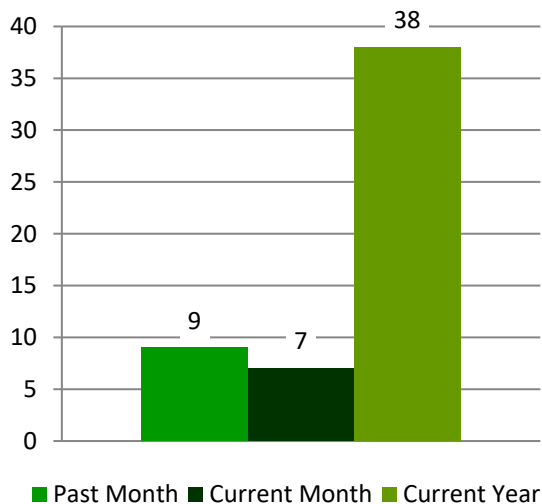
## Current Month – Construction Calls

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

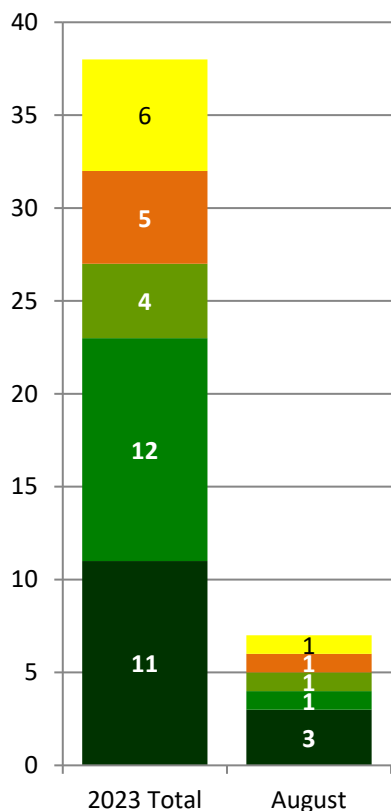


## Incidents Occurring in Work Zones

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

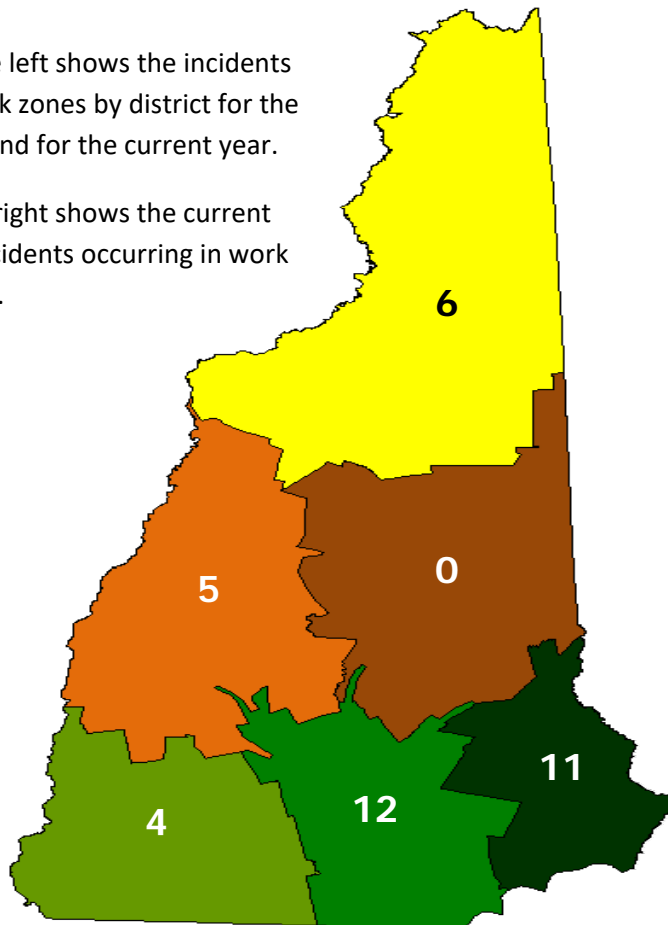


## Incidents Occurring in Work Zones by Location



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

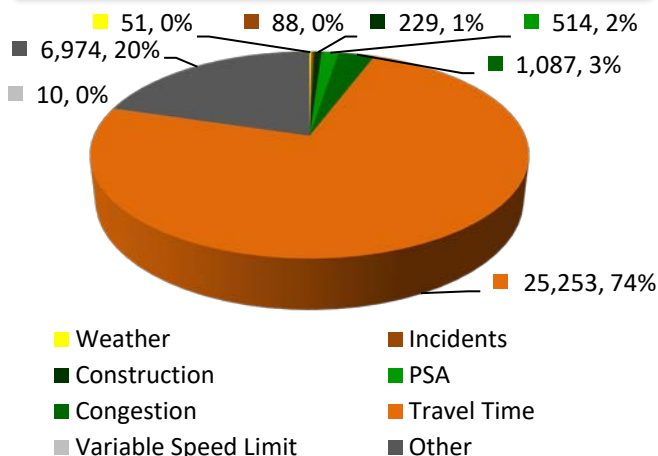
The map to the right shows the current year total for incidents occurring in work zones by district.



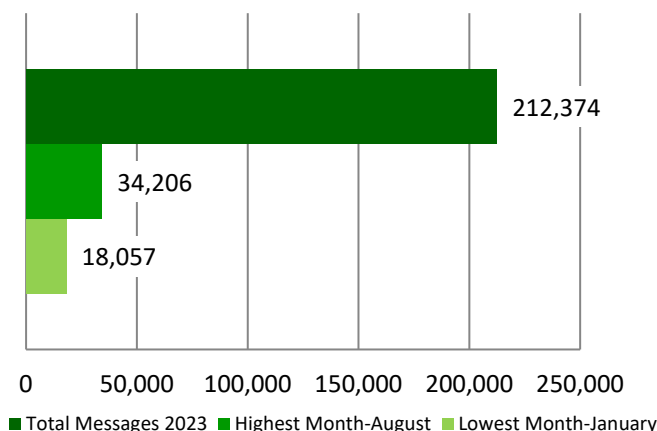
■ District 6 
 ■ District 5 
 ■ District 4  
■ District 3 
 ■ District 2 
 ■ District 1

# 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

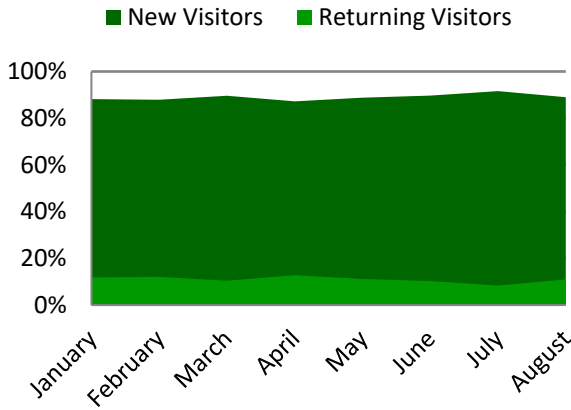
101 E 52.8 FSV5	31	93 N 2.35 VSL D 5	1	FEE S 8.6 FSPT	13
101 E 53 PSWC - SWZ - M04	27	93 N 7.5 FSD5	304	RW W 0.7 PSVT - SWZ - M-04	38
101 W 54.3 PSWC - SWZ - M03	75	93 S 30.4 PSVT	12	ST N 1.0 FSAT	11
101E 114.8 FSV6	345	93 SM 17.8 VSL SE 5	1	ST N 16.2 PSVT - SWZ - M06	41
101W 102.6 FSV5	10	93N 23.4 FSD5	1,557	ST N 16.7 PSVT - SWZ - M05	110
101W 128 PSV6	13	93N 26.9 PSVT	44	ST N 4.3 PSVT - SWZ - M01	1,526
293 S 4.7 PSWC - SWZ - M02	199	93N 36.2 FSVT	35	ST N 4.4 FSST	35
293 S 5.2 PSWC - SWZ - M01	198	93N 76.4 FSV3	4	ST N 5.0 PSVT - SWZ - M02	735
293N 8.8 FSPT	1,800	93N 82.6 FSV3	1	ST S 18.25 PSVT - SWZ - M07	130
293S 1.4 FSD5	32	93N 99.6 FSA3	34	ST S 19.25 PSVT - SWZ - M08	8
293S 4.8 FSDT	33	93S 117.6 FSA1	2	ST S 24.4 FSVT	369
393 W 1.9 PSV5	15	93S 122.2 FSV1	4	ST S 3.4 FSDT	6,259
4 W 98.9 FSS6	28	93S 14.4 VSL D5	2	ST S 6.6 PSVT - SWZ - M03	1,574
4E 92.4 FSS6	12	93S 14.4 VSL D5 Median	6	ST S 6.9 PSVT - SWZ - M04	202
4E 98 FSA6	29	93S 23.4 FSD5	464	ST S 7.8 FSAT	3,751
89 N 23.2 PSV2 - SWZ - M01	351	93S 27.8 FSDT	3,168	WA W 0.5 FSST	14
89 N 23.7 PSV2 - SWZ - M02	218	93S 32.4 FSVT	7		
89 N 26.4 PSV2 - SWZ - M03	199	93S 36.5 FSST	22		
89 N 28.4 PSV2 - SWZ - M08	117	93S 39.0 FSV5	42		
89 N 30.2 PSV2 - SWZ - M04	47	93S 43.3 PSV5	21		
89 N 56.8 PSV2 - SWZ - M01	22	93S 48.0 FSV5	10		
89 N 57.2 PSV2 - SWZ - M02	58	93S 68.8 FSV3	36		
89 N 57.3 FSS 2	2	93S 7.2 FSD5	136		
89 N 59.8 PSV2 - SWZ - M03	54	93S 85.4 FSV3	28		
89 S 28.0 PSV2 - SWZ - M07	20	95N 0.4 FSVT	46		
89 S 31.0 PSV2 - SWZ - M09	20	95N 14.8 FSDT	56		
89 S 31.9 PSV2 - SWZ - M06	100	95N 3.0 FSDT	606		
89 S 32.5 PSV2 - SWZ - M05	90	95N 4.8 PSVT	27		
89 S 58.7 PSV2 - SWV - M07	1	95S 15.4 FSDT	750		
89 S VT 0.9 PSV VT - SWZ - M05	56	95S 3.4 FSPT	18		
89N 1.8 FSV5	194	95S 7.2 PSVT	20		
89N 18.4 FSS5	33	95S 7.6 FSDT	424		
89N 35.5 FSV2	3	FEE N 1.2 FSVT	59		
89N 54.9 FSS2	12	FEE N 14.0 PSVT - SWZ - M-02	41		
89S 10.8 FSV5	425	FEE N 15.2 PSWC - SWZ - M07	308		
89S 3.4 FSV5	5,051	FEE N 17.5 PSWC - SWZ - M06	215		
89S 55.0 PSV2	2	FEE N 17.8 FSVT	15		
89S 57.7 FSS2	53	FEE N 18.0 PSWC - SWZ - M05	251		
91 N VT 69.1 PSV VT - SWZ - M06	12	FEE N 9.0 PSVT - SWZ - M-03	8		
91 S VT 70.6 PSV VT - SWZ - M04	215	FEE S 17.5 FSVT- SWZ - M-01	15		
93 N 0.5 FSDT	349	FEE S 3.8 FSDT	39		



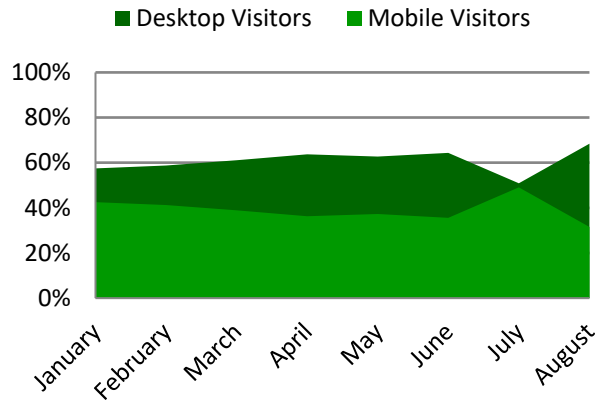
# Public Outreach

## 868 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.



15,856 Total NewEngland511 Accounts

### www.NewEngland511.org Notifications

