

# 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.*

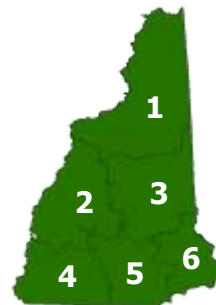
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### ***Transportation Management Center's Mission***

*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

	2020 Total	2021 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	119	119

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### Dynamic Message Signs (DMS)

	2020 Total	2021 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	56	56
<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)

	2020 Total	2021 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.	25	26

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### Variable Speed Limit Sign (VSL)

	2020 Total	2021 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	18	17

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### Motor Vehicle Detection System (MVDS)

	2020 Total	2021 Total
MVDS are sensors that collect speed and volume data.	19	19

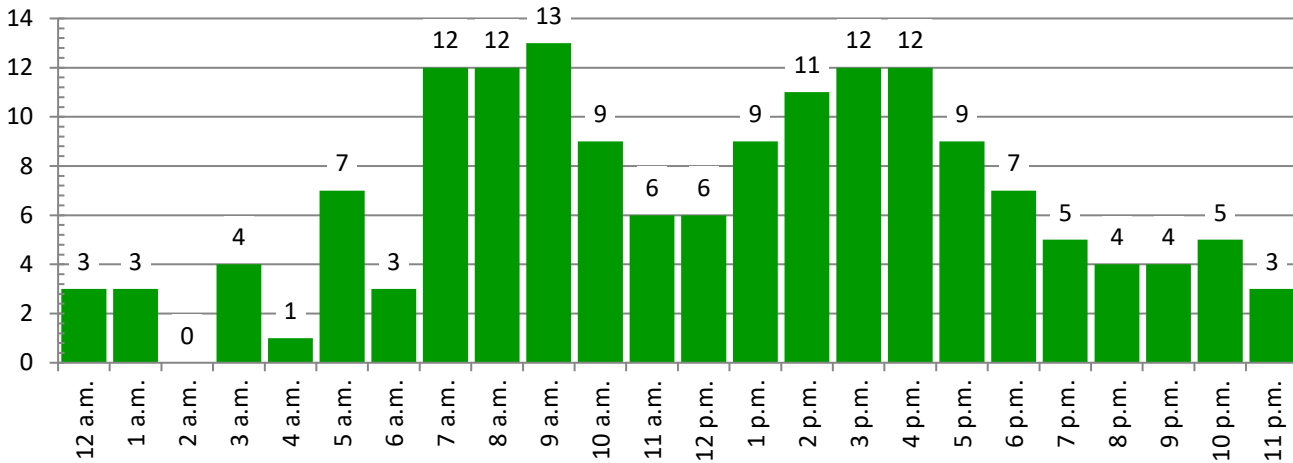
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# Summary

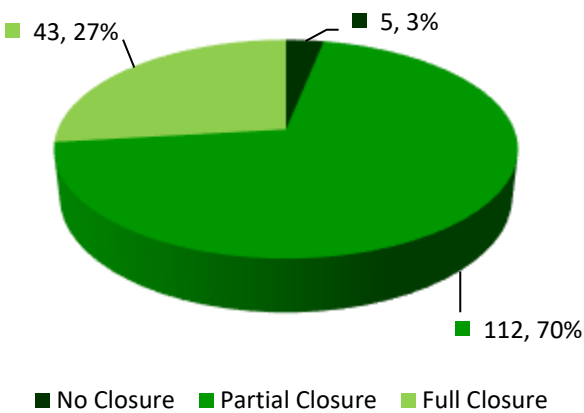
	Current Month	2021 Total
<b>Unplanned Incidents</b>		
	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	160	283
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	95	196
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,156	5,772
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	868	1,614
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	7,830	14,282
<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.	1,393	3,740
<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	0

# 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



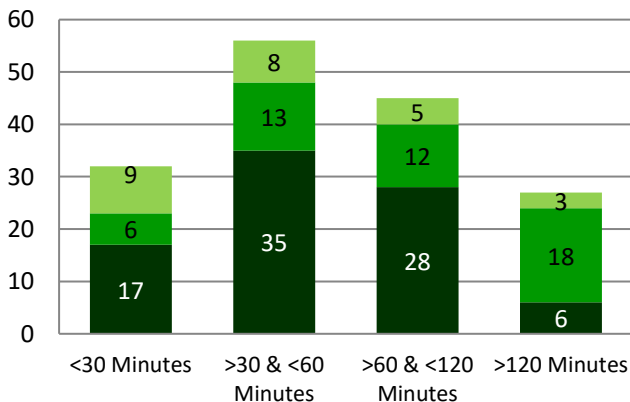
This graph shows the type of incident totals for the month.

### 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.

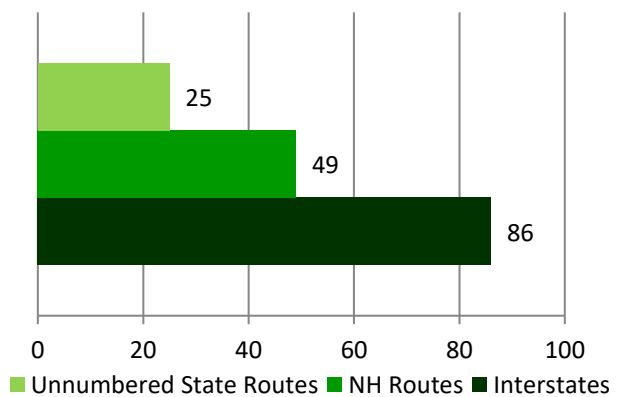
## Current Month - Incident Duration

This graph shows the duration history of incidents.

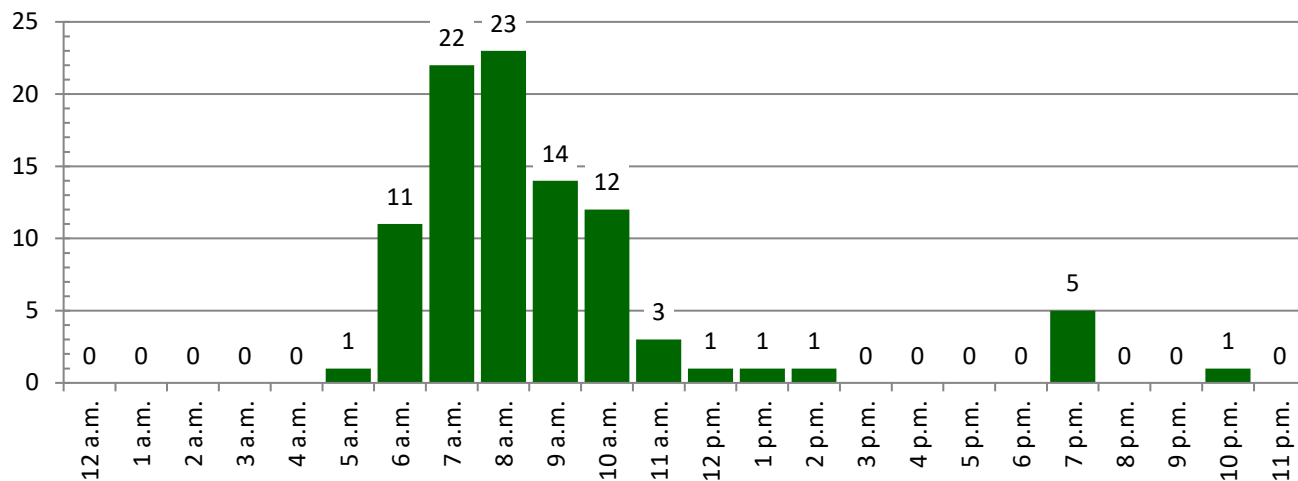


## Current Month - Incident by Road

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

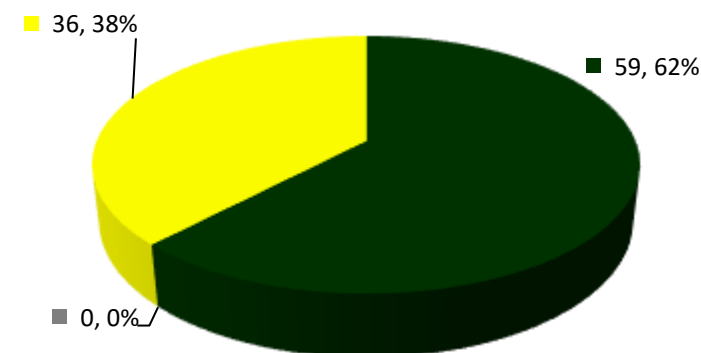


# Planned Events



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



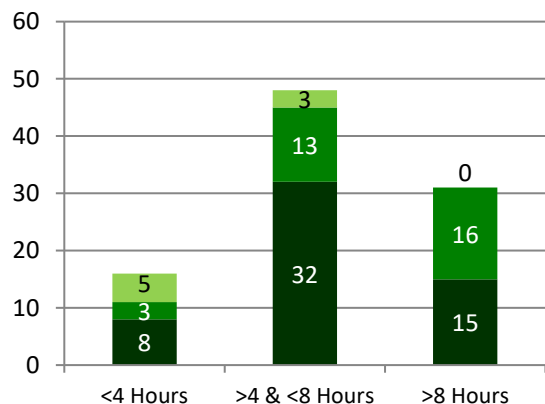
This graph shows the type of incident totals for the month.

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)

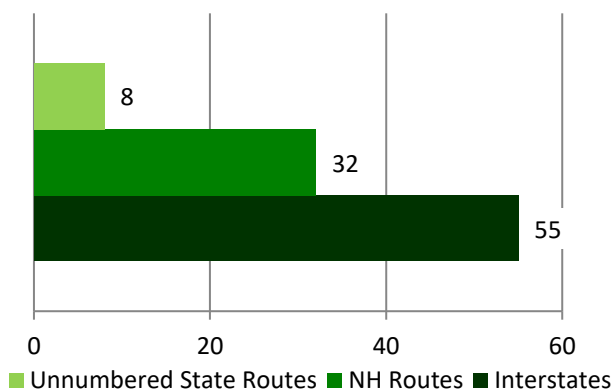
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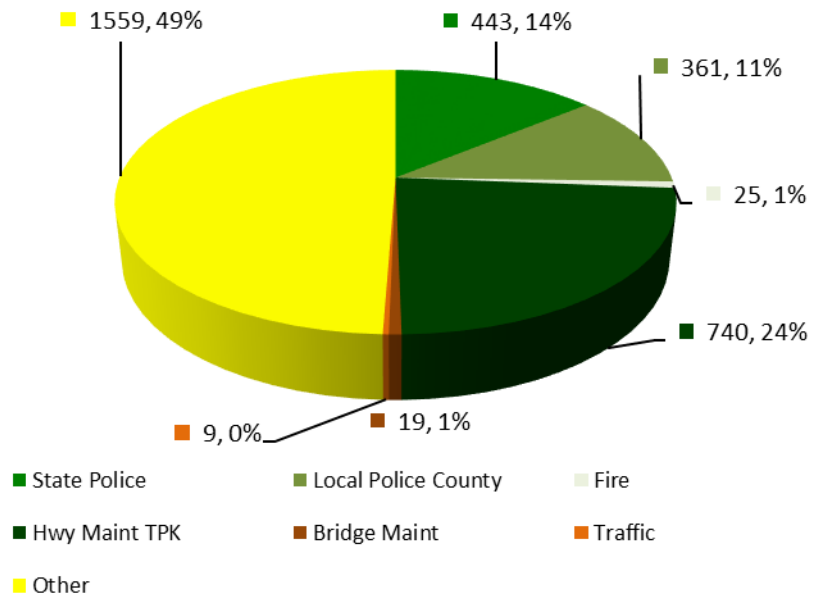
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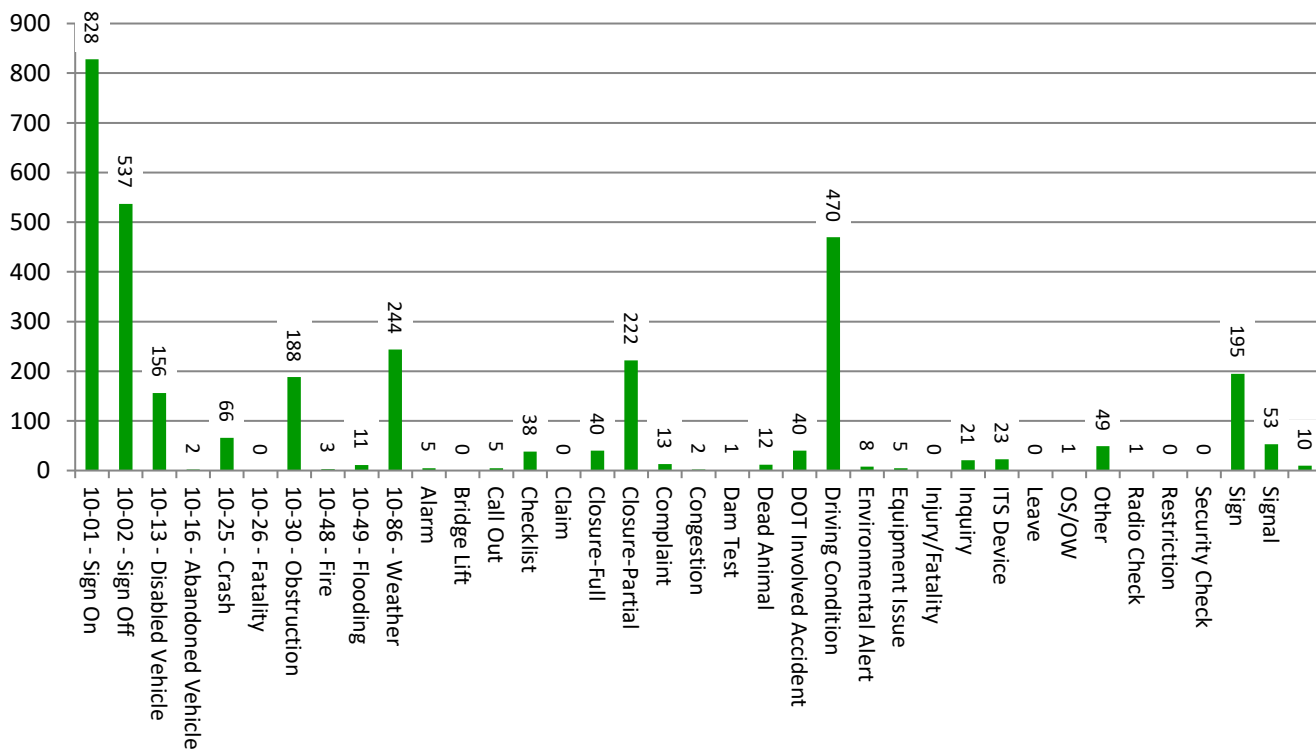
## Current Month - Calls by Type

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



## Log Entries by Type

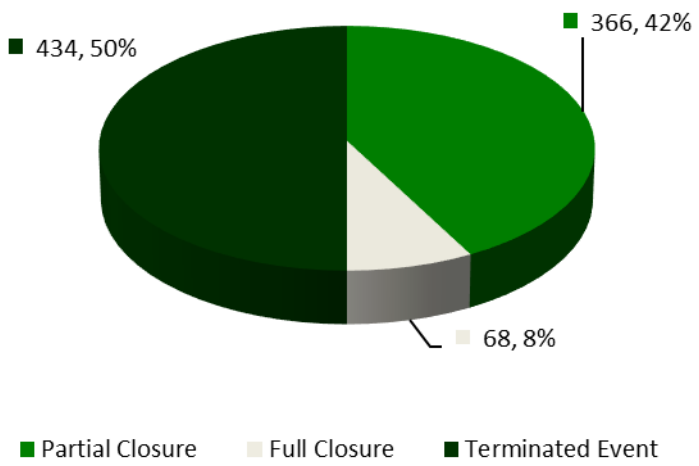
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

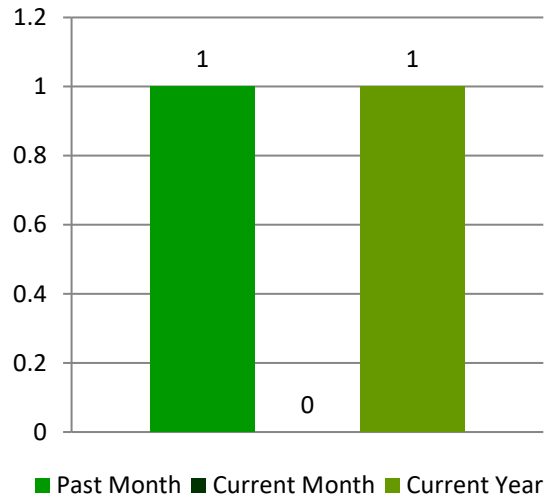
## Current Month – Construction Calls

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

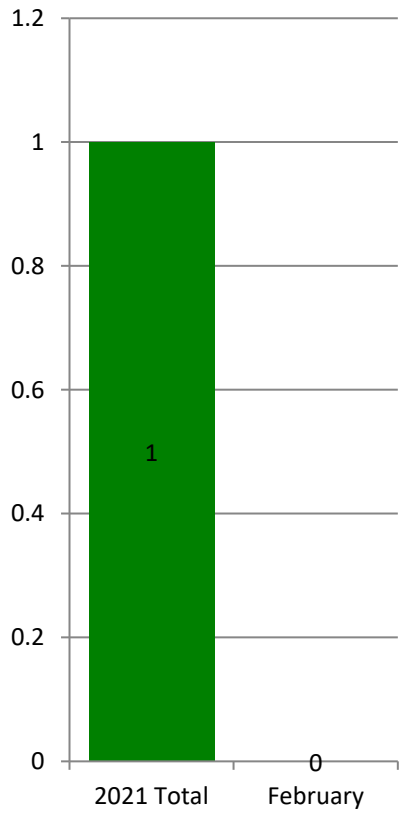


## Incidents Occurring in Work Zones

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

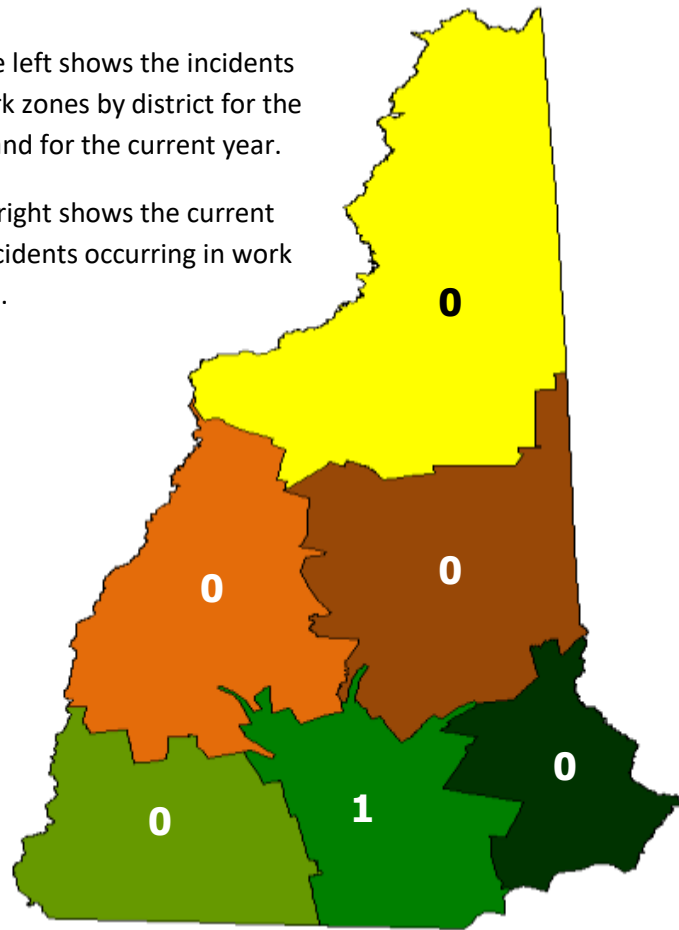


## Incidents Occurring in Work Zones by Location



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

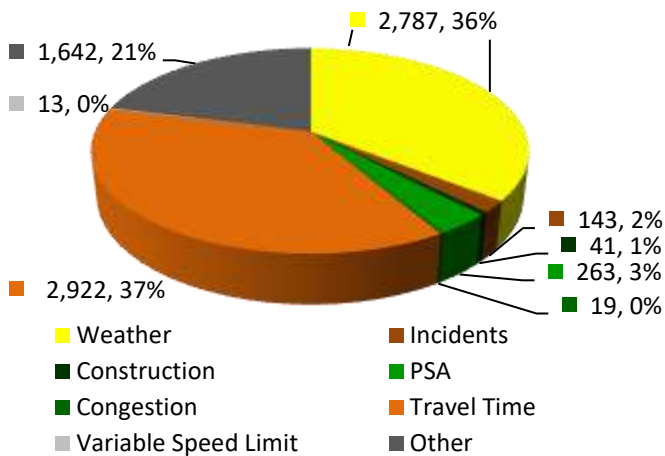
The map to the right shows the current year total for incidents occurring in work zones by district.



- District 6
- District 5
- District 4
- District 3
- District 2
- District 1

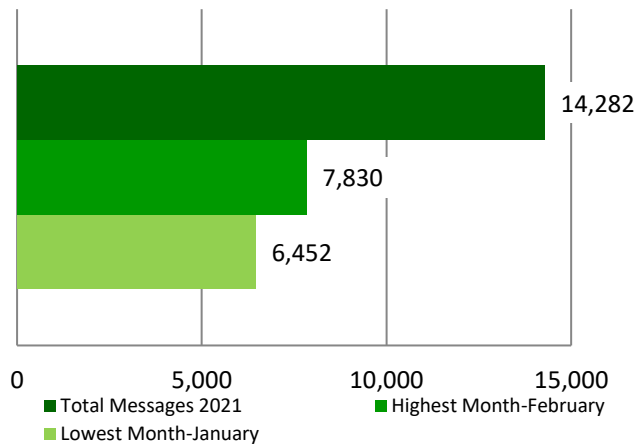
# DMS Messages

## Current Month - Messages by Type



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

## Total Messages - 2021



This graph shows the total messages that were posted to DMS for the year so far.

## Current Month - Total Messages Posted by Board

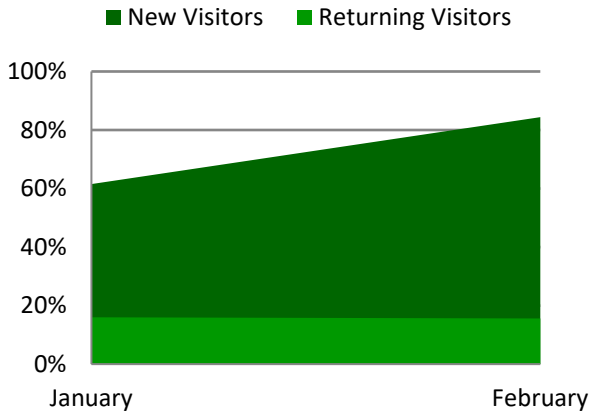
101 E 52.8 FSV5	76	93S 32.4 FSVT	78
101 WM 100.5 VSL D 5	5	93S 36.5 FSST	56
101E 102 PSP5	53	93S 39.0 FSV5	94
101E 114.8 FSV6	137	93S 43.3 PSV5	29
101E 130 FSA6	92	93S 48.0 FSV5	84
101W 102.6 FSV5	74	93S 57.6 PSP5	69
101W 115 PSP5	55	93S 68.8 FSV3	59
101W 128 PSV6	62	93S 7.2 FSD5	148
293 N 8.8 FSPT	186	93S 85.4 FSV3	54
293 S 1.4 VSL D 5	8	95N 0.4 FSVT	131
293S 1.4 FSD5	106	95N 13.0 FSVT	72
293S 4.8 FSDT	82	95N 14.8 FSDT	81
393 W 1.9 PSV5	27	95N 3.0 FSDT	133
4E 92.4 FSS6	35	95S 15.4 FSDT	120
4E 98 FSA6	66	95S 3.4 FSPT	42
89N 1.8 FSV5	166	95S 7.6 FSDT	123
89N 18.4 FSV5	88	FEE N 1.2 FSVT	83
89N 28.8 PSV2	33	FEE N 16.2 PSVT	70
89N 35.5 FSV2	88	FEE N 18.8 FSVT	84
89N 43.8 PSV2	81	FEE N 5.2 PSVT	87
89N 49.0 PSV2	86	FEE S 17.8 PSVT	80
89N 54.9 FSS2	60	FEE S 3.8 FSDT	71
89S 10.8 FSV5	167	FEE S 8.6 FSPT	17
89S 3.4 FSV5	267	ST N 1.0 FSAT	152
89S 31.4 PSP5	55	ST N 19.2 PSVT	65
89S 42.6 PSV2	87	ST N 4.4 FSST	60
89S 55.0 PSV2	83	ST S 24.4 FSVT	121
89S 57.7 FSS2	76	ST S 3.4 FSDT	937
93N 23.4 FSD5	373	ST S 34.4 PSVT	67
93N 32.9 FSST	54	ST S 7.8 FSAT	694
93N 36.2 FSVT	64	WA W 0.5 FSST	39
93N 43.8 PSP5	61		
93N 57.6 FSS3	58		
93N 7.2 FSD5	169		
93N 76.4 FSV3	51		
93N 82.6 FSV3	54		
93N 99.6 FSA3	72		
93S 117.6 FSA1	39		
93S 122.2 FSV1	62		
93S 23.4 FSD5	158		
93S 27.8 FSDT	214		



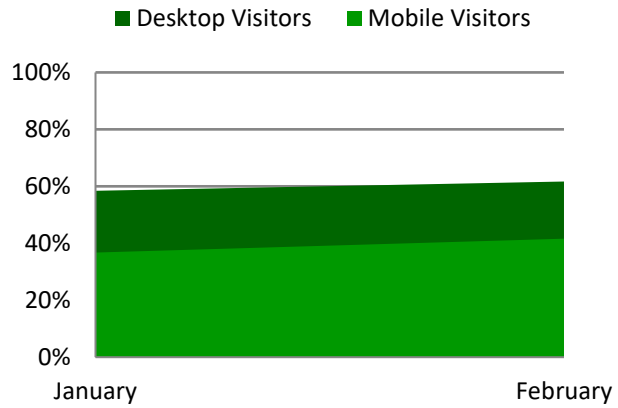
# Public Outreach

## 1,393 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.



**40,218 Total Twitter Followers**

