

# 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.*

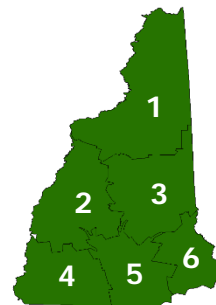
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## ***Transportation Management Center's Mission***

*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	143

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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	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)

	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	37

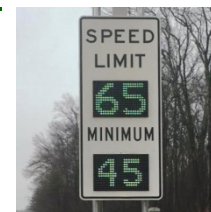
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



### Variable Speed Limit Sign (VSL)

	2020 Total	2021 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	18	23

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### Motor Vehicle Detection System (MVDS)

	2020 Total	2021 Total
MVDS are sensors that collect speed and volume data.	19	39

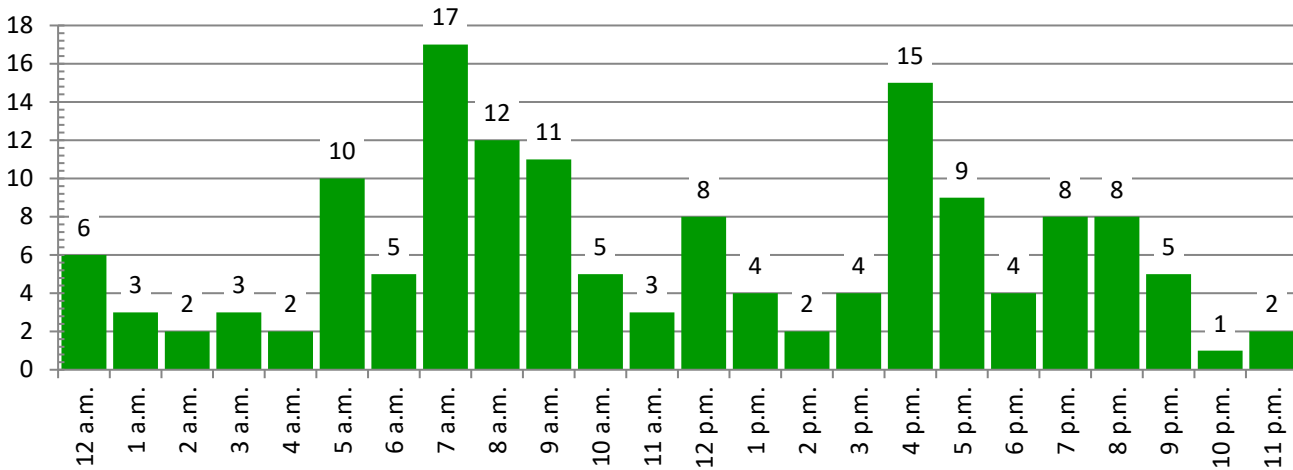
MVDS are sensors that collect speed and volume data.



# Summary

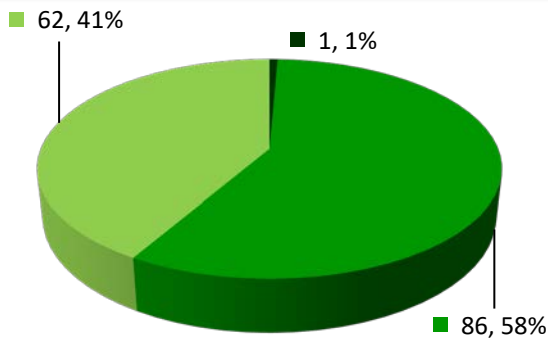
	Current Month	2021 Total
<b>Unplanned Incidents</b>	<b>Total Unplanned Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	149	1,568
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	159	3,642
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,614	49,382
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	1,042	18,302
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	11,893	187,887
<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.	2,050	17,272
<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.	2	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.

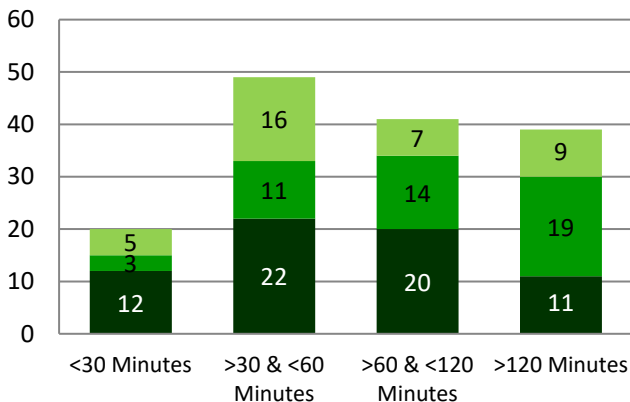
### Types of Incidents:

- 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.

■ No Closure ■ Partial Closure ■ Full Closure

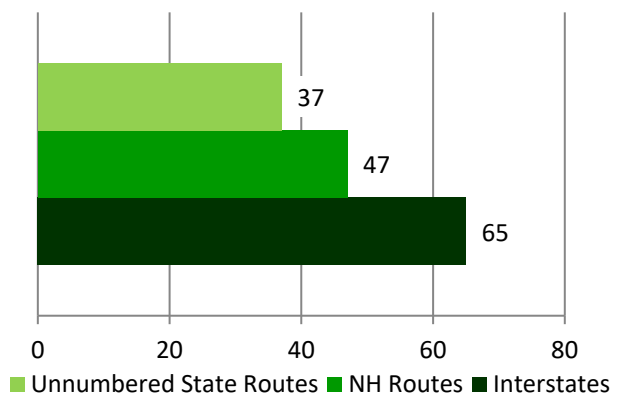
## Current Month - Incident Duration

This graph shows the duration history of incidents.

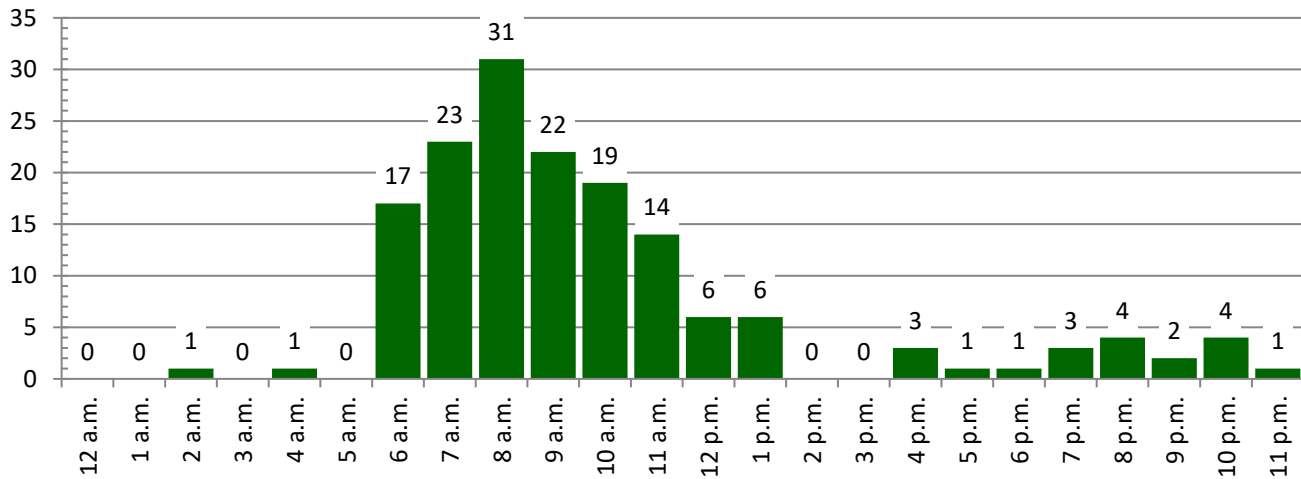


## Current Month - Incident by Road

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

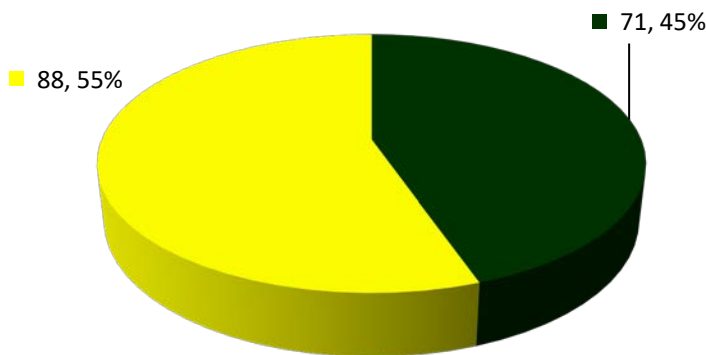


# Planned Events



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



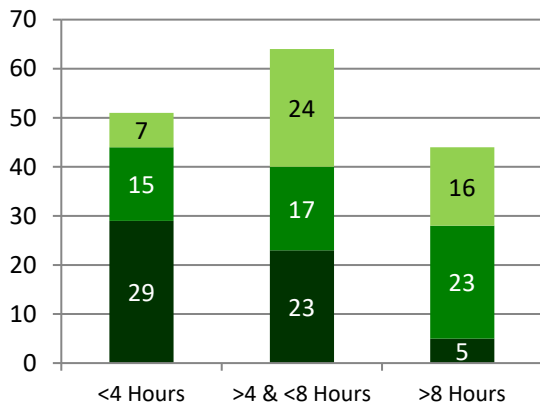
This graph shows the type of incident totals for the month.

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

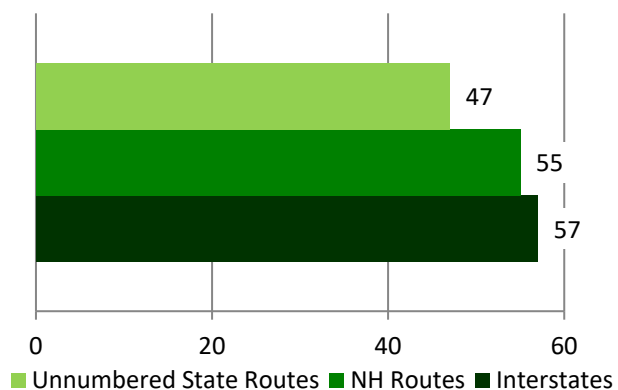
## Current Month - Incident Duration

This graph shows the duration history of incidents.



## Current Month - Incident by Road

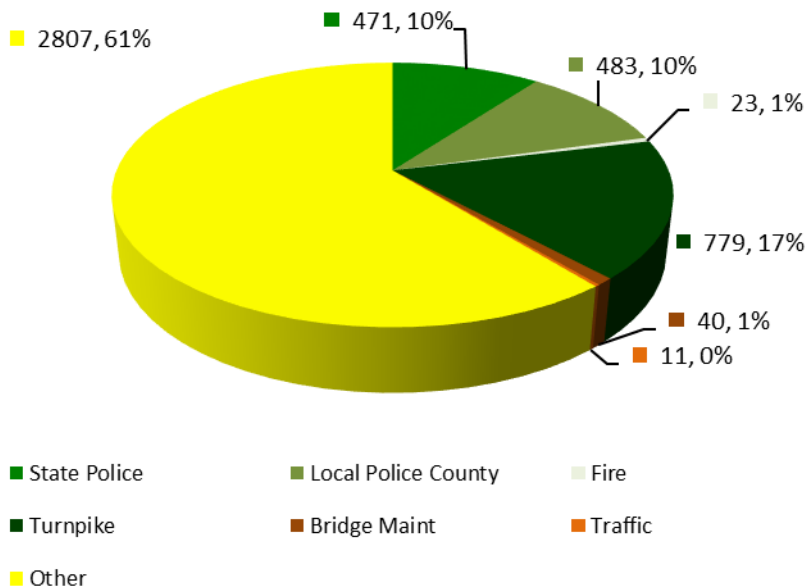
This graph shows which type of roadway the incidents occurred on.



# Communication

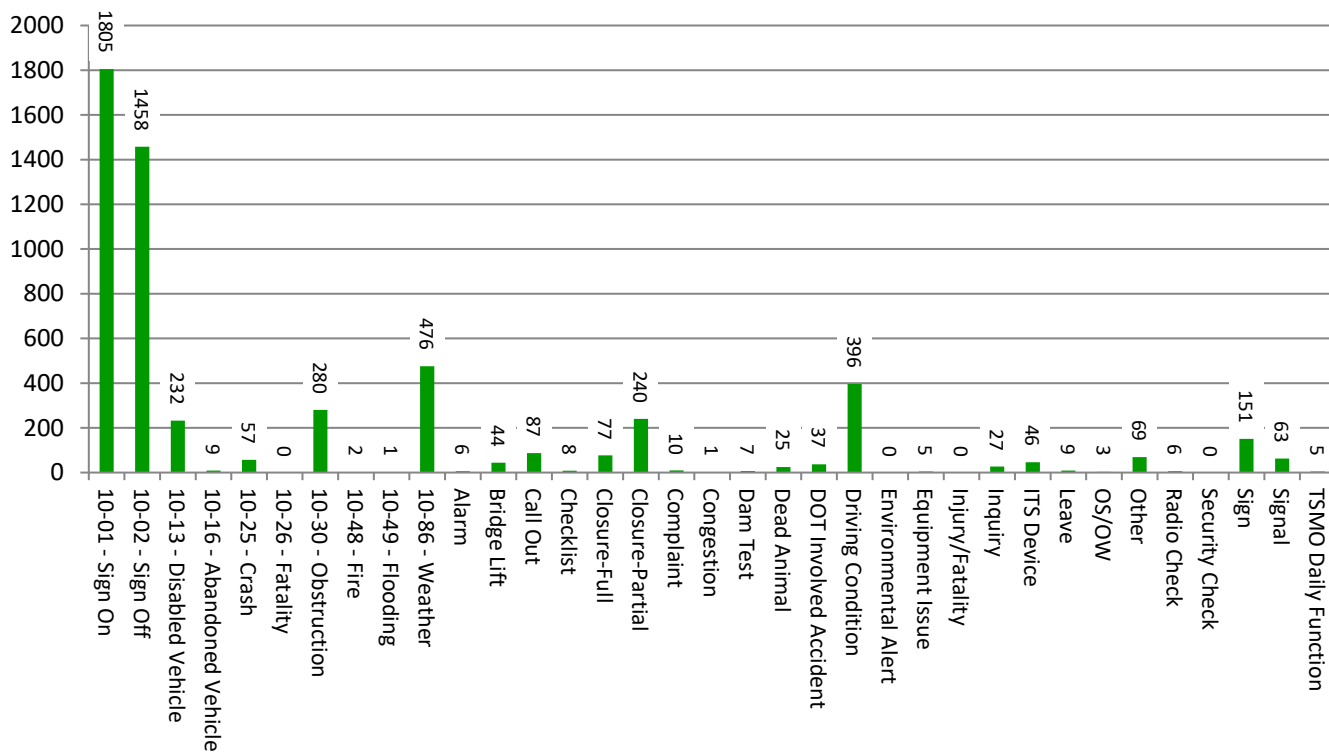
## Current Month - Calls by Type

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



## Log Entries by Type

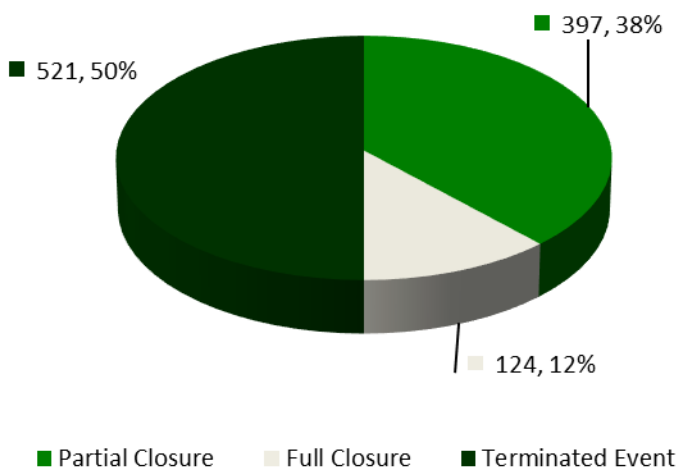
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



# Work Zone Communication

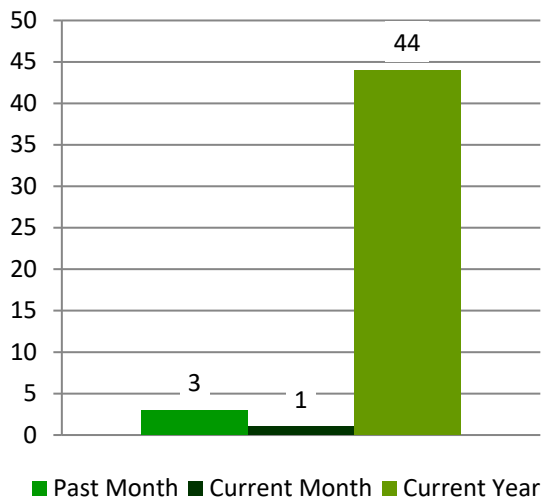
## Current Month – Construction Calls

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

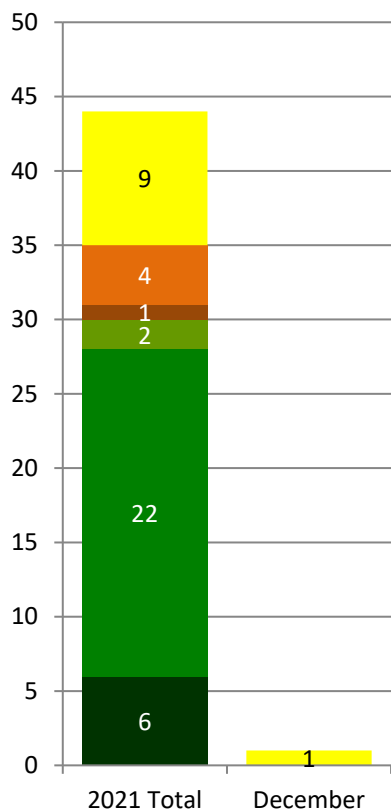


## Incidents Occurring in Work Zones

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

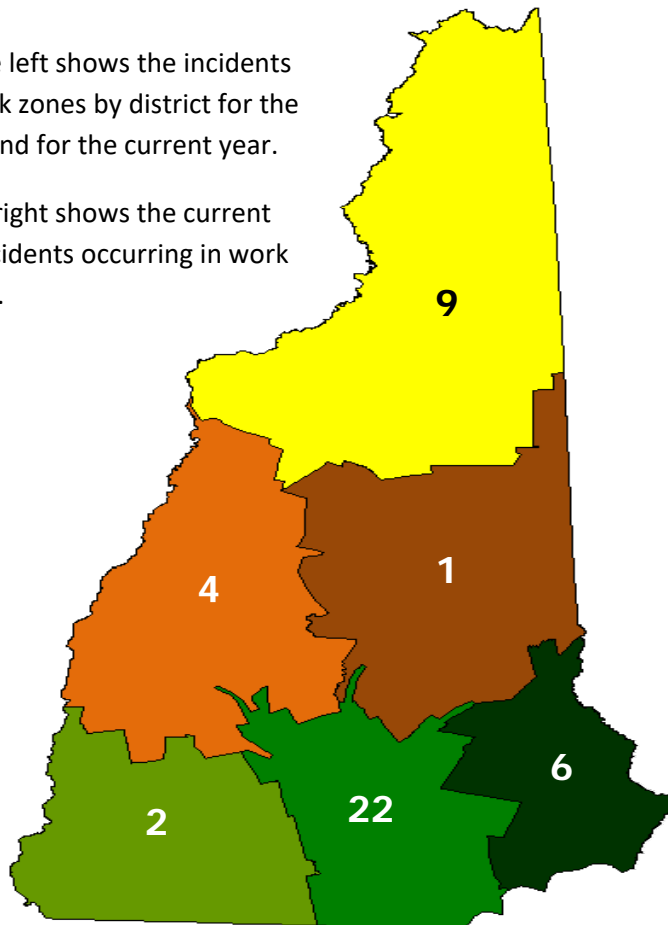


## Incidents Occurring in Work Zones by Location



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

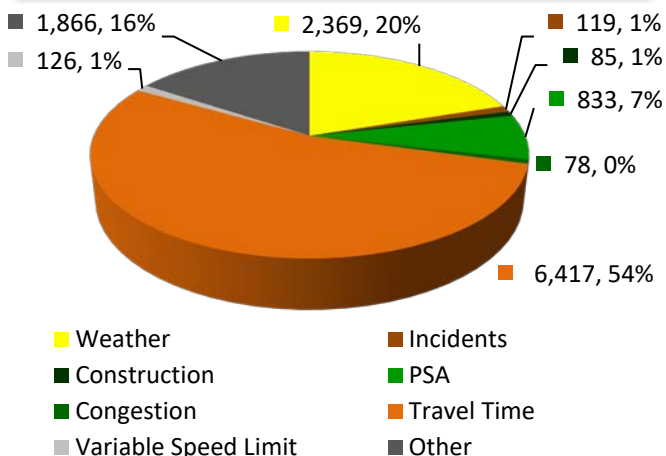
The map to the right shows the current year total for incidents occurring in work zones by district.



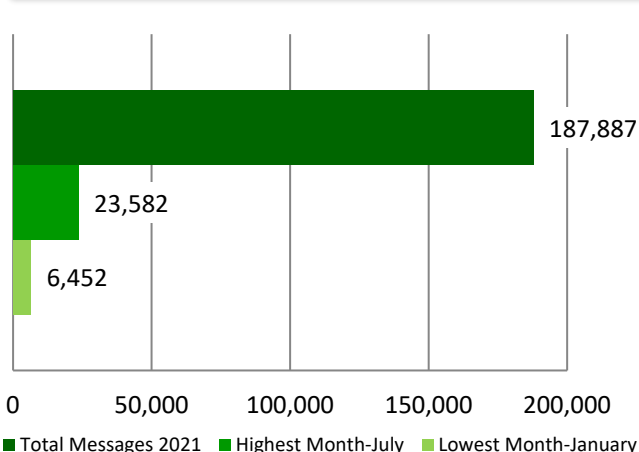
■ District 6 
 ■ District 5 
 ■ District 4 
 ■ District 3 
 ■ District 2 
 ■ District 1

# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2021



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

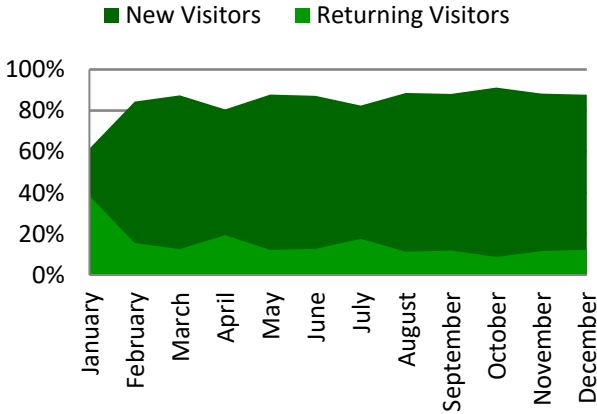
101 E 52.8 FSV5	73	93 NM 2.35 VSL D 5	11	95N 3.0 FSDT	176
101E 102 PSP5	32	93 NM 3.8 VSL D5	10	95S 15.4 FSDT	169
101E 114.8 FSV6	64	93 NM 6.6 VSL D5	10	95S 3.4 FSPT	66
101W 102.6 FSV5	71	93 S 2.2 VSL D 5	11	95S 7.6 FSDT	162
101W 115 PSP5	36	93 S 22.6 PSVT - SWZ - M06	58	FEE N 1.2 FSVT	69
101W 128 PSV6	59	93 S 23.3 PSVT - SWZ - M05	99	FEE N 16.2 PSVT	38
16N 35.0 PSV3	52	93 S 25.1 PSVT - SWZ - M04	52	FEE N 18.8 FSVT	43
16S 75.4 FSV3	52	93 S 25.6 PSVT - SWZ - M03	51	FEE N 5.2 PSVT	57
293N 8.8 FSPT	386	93 S 26.4 PSVT - SWZ - M02	85	FEE S 17.8 PSVT	75
293S 1.4 FSD5	103	93 S 27.4 PSVT - SWZ - M01	58	FEE S 3.8 FSDT	53
293S 4.8 FSDT	55	93 S 31.9 PSVT - SWZ - M07	142	FEE S 8.6 FSPT	44
393 W 1.9 PSV5	22	93 S 5.2 VSL D5	10	ST N 1.0 FSAT	254
4 W 98.9 FSS6	24	93 S EX 9 On-Ramp - SWZ - M09	39	ST N 19.2 PSVT	68
4E 92.4 FSS6	31	93 SM 2.2 VSL D 5	10	ST N 4.4 FSST	75
4E 98 FSA6	55	93 SM 5.2 VSL D5	9	ST S 24.4 FSVT	70
89 N 56.8 PSV2 - SWZ - M01	26	93N 16.0 VSL D5	12	ST S 3.4 FSDT	2,326
89 N 57.2 PSV2 - SWZ - M02	10	93N 16.0 VSL D5 Median	12	ST S 34.4 PSVT	66
89 N 59.8 PSV2 - SWZ - M03	8	93N 23.4 FSD5	504	ST S 7.8 FSAT	2,012
89 S 58.7 PSV2 - SWV - M07	5	93N 32.9 FSST	47	WA W 0.5 FSST	41
89 S VT 0.9 PSV VT - SWZ - M05	8	93N 36.2 FSVT	71		
89N 1.8 FSV5	191	93N 43.8 PSP5	40		
89N 18.4 FSS5	56	93N 57.6 FSS3	84		
89N 28.8 PSV2	24	93N 76.4 FSV3	73		
89N 35.5 FSV2	96	93N 82.6 FSV3	43		
89N 43.8 PSV2	73	93N 99.6 FSA3	90		
89N 49.0 PSV2	27	93S 117.6 FSA1	35		
89N 54.9 FSS2	43	93S 122.2 FSV1	41		
89S 10.8 FSV5	187	93S 23.4 FSD5	208		
89S 3.4 FSV5	517	93S 27.8 FSDT	64		
89S 31.4 PSP5	60	93S 32.4 FSVT	47		
89S 42.6 PSV2	25	93S 36.5 FSST	43		
89S 55.0 PSV2	68	93S 39.0 FSV5	99		
89S 57.7 FSS2	55	93S 43.3 PSV5	24		
91 N VT 69.1 PSV VT - SWZ - M06	8	93S 48.0 FSV5	70		
91 S VT 70.6 PSV VT - SWZ - M04	7	93S 57.6 PSP5	34		
93 N 0.5 FSDT	180	93S 68.8 FSV3	78		
93 N 2.35 VSL D 5	11	93S 7.2 FSD5	211		
93 N 3.8 VSL D5	10	93S 85.4 FSV3	70		
93 N 6.6 VSL D5	10	95N 0.4 FSVT	179		
93 N 7.5 FSD5	180	95N 13.0 FSVT	80		
93 N EX 9 On-Ramp - SWZ - M08	36	95N 14.8 FSDT	79		



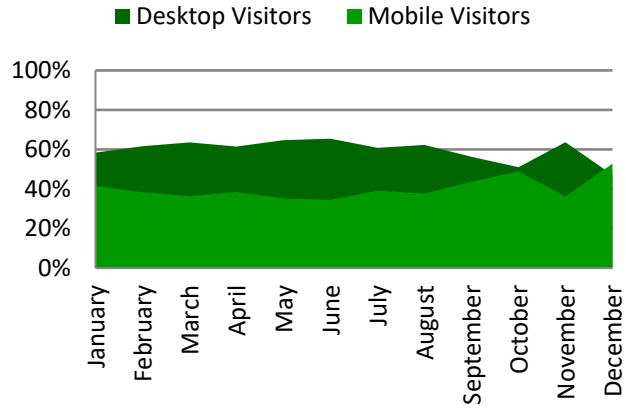
# Public Outreach

## 2,050 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.



42,183 Total Twitter Followers

