

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

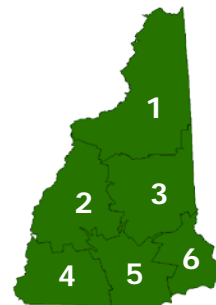
Transportation excellence enhancing the quality of life in New Hampshire.

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
¹ Additional DMS that TSMO uses during the winter season.	16 ¹	16 ¹
² TSMO is responsible for an additional ~20 DMS for the department.	20 ²	20 ²

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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	25

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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	18

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Motor Vehicle Detection System (MVDS)

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

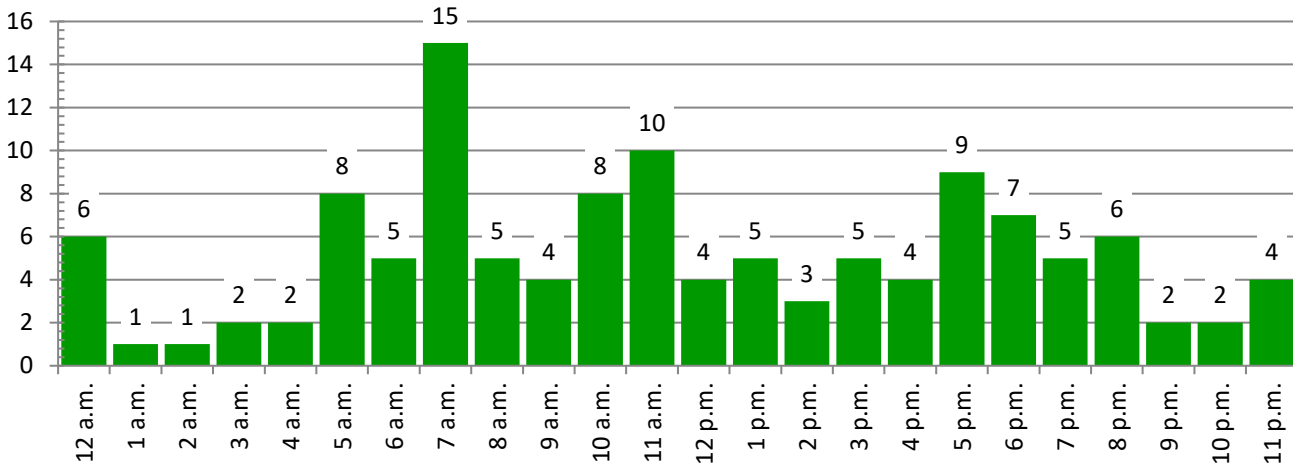
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Summary

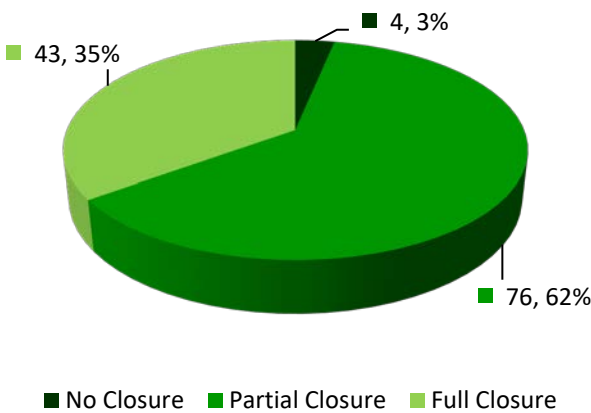
	Current Month	2021 Total
Unplanned Incidents		
	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	123	123
Planned Incidents		
	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	101	101
Communication		
	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,616	2,616
Work Zones Communication		
	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	746	746
DMS Messages		
	Total Messages	
All changes to DMS are logged and reviewed.	6,452	6,452
Public Outreach		
	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	2,347	2,347
Storm Desk Activations		
	Total Storm Desk Activations	
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:

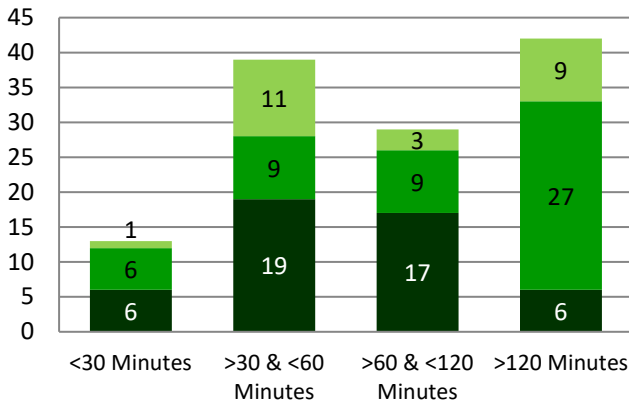
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

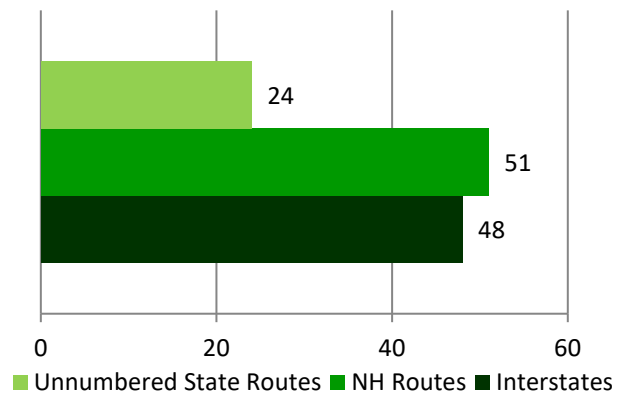
Current Month - Incident Duration

This graph shows the duration history of incidents.

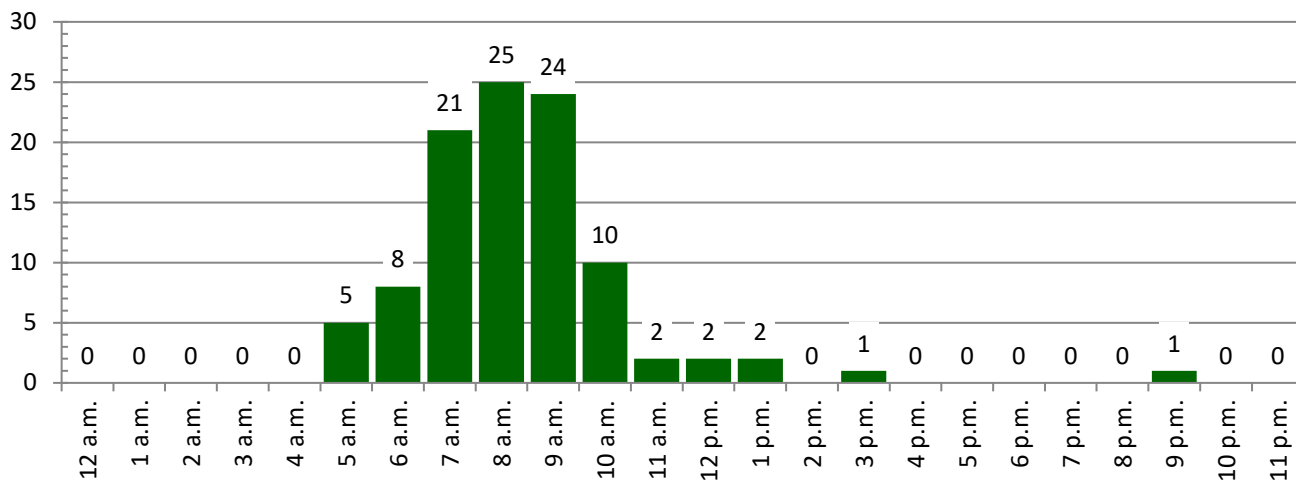


Current Month - Incident by Road

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

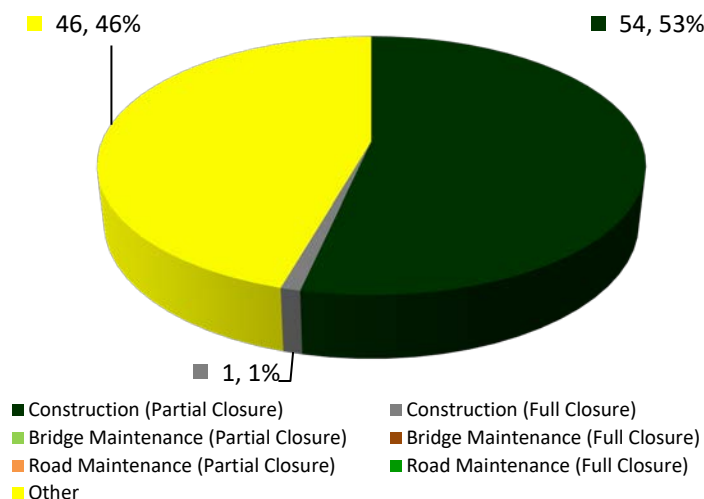


Planned Events



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

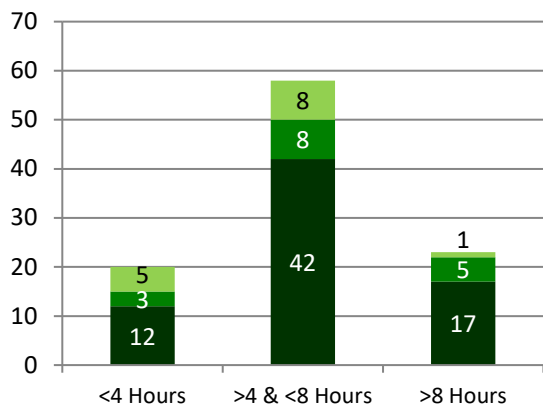


This graph shows the type of incident totals for the month.

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.

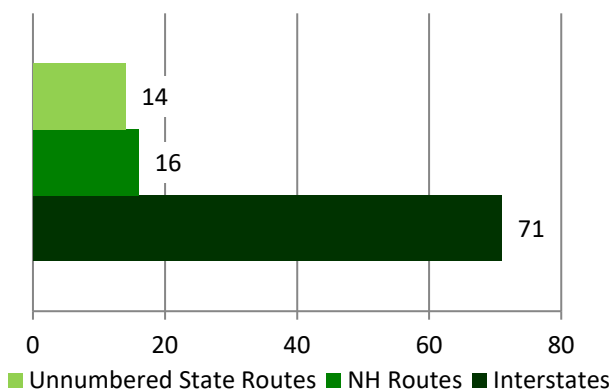
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Current Month - Incident by Road

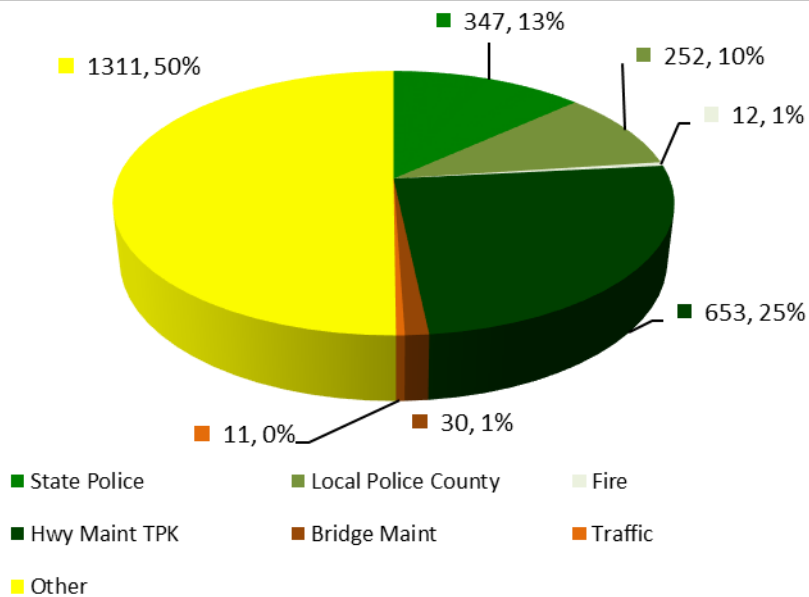
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Communication

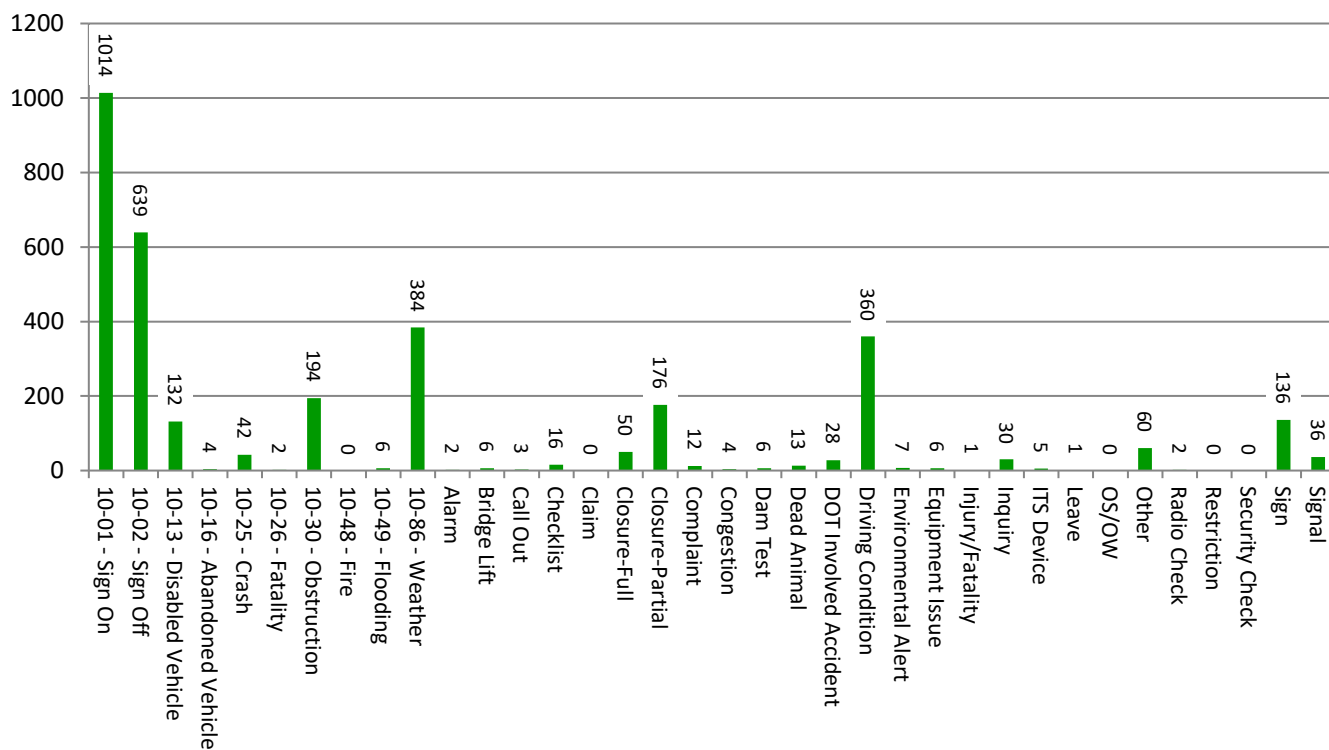
Current Month - Calls by Type

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



Log Entries by Type

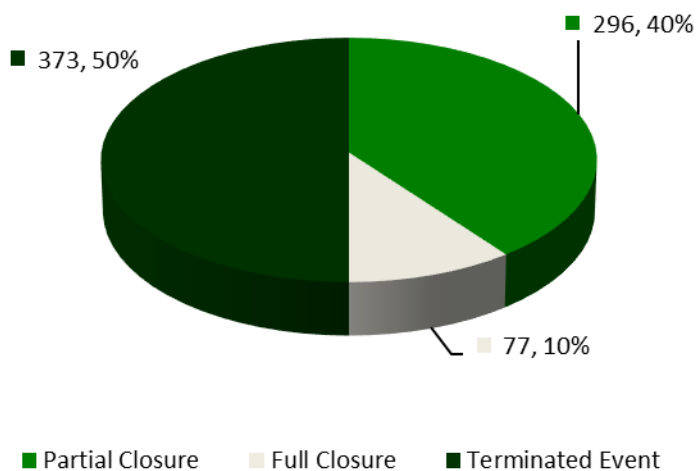
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

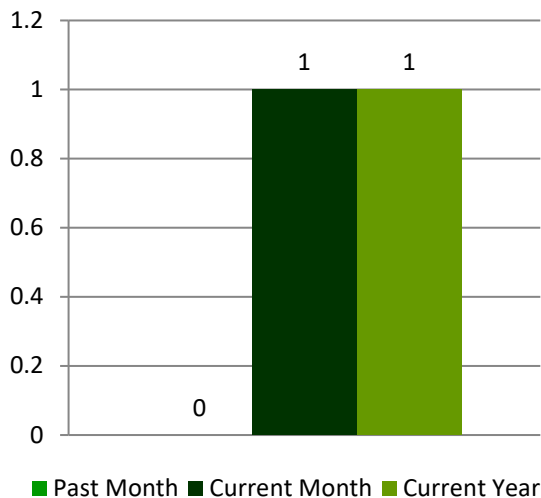
Current Month – Construction Calls

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

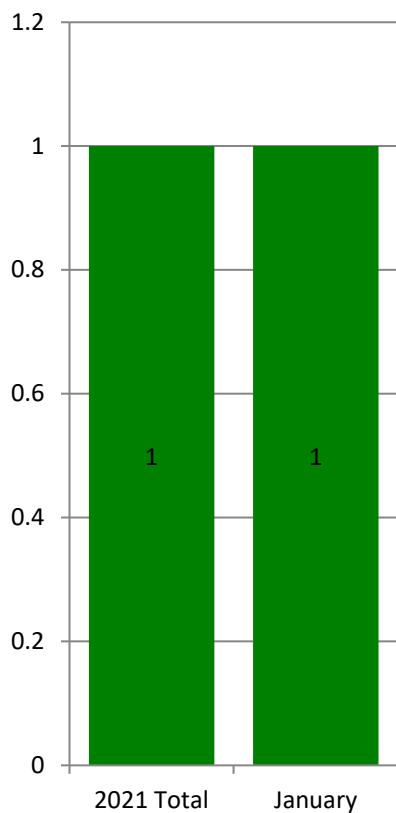


Incidents Occurring in Work Zones

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

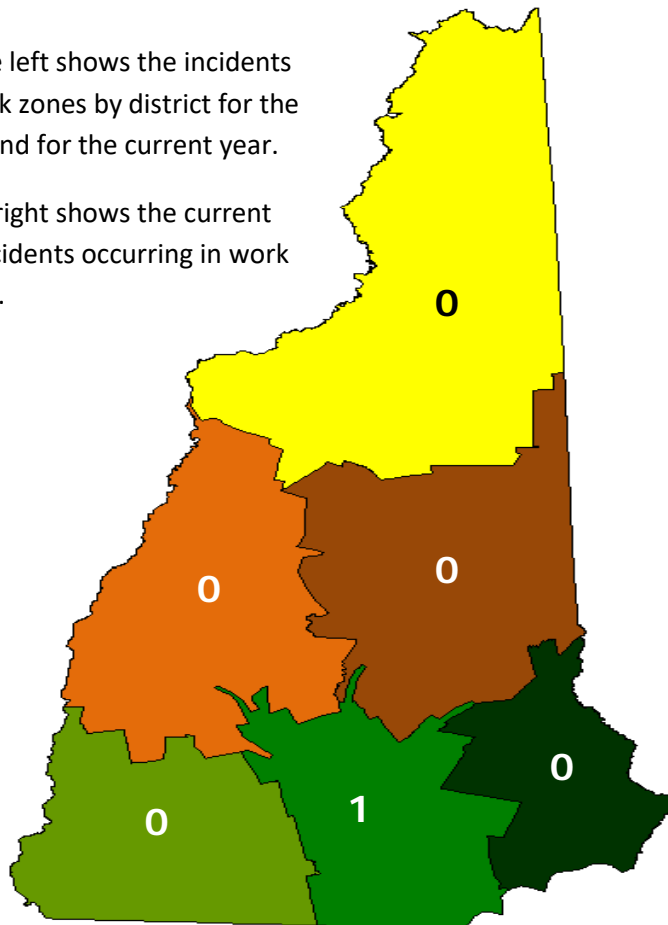


Incidents Occurring in Work Zones by Location



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

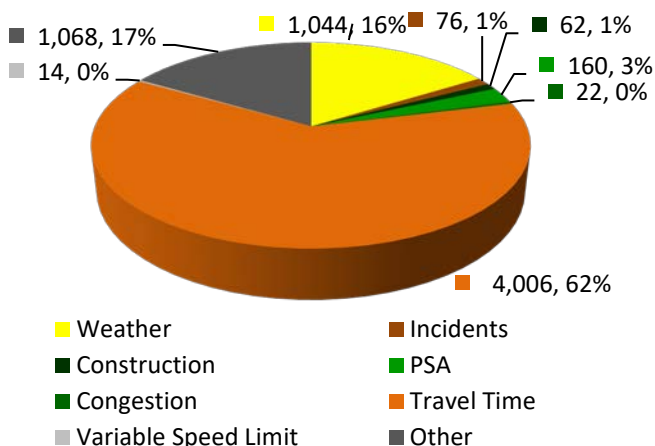
The map to the right shows the current year total for incidents occurring in work zones by district.



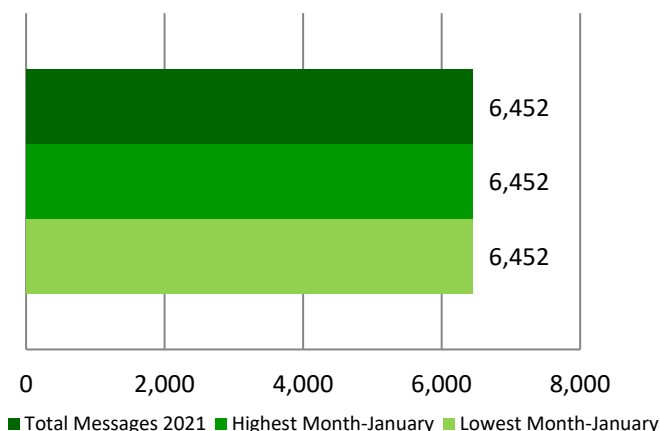
- District 6
- District 5
- District 4
- District 3
- District 2
- District 1

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.

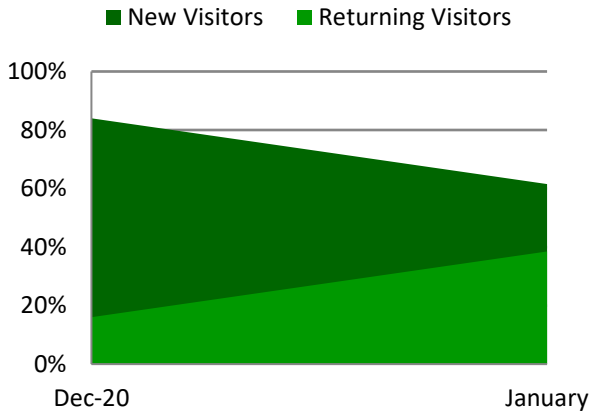
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	25	93S 36.5 FSST	25
101 WM 100.5 VSL D 5	7	93S 39.0 FSV5	53
101E 102 PSP5	14	93S 43.3 PSV5	16
101E 114.8 FSV6	128	93S 48.0 FSV5	42
101E 130 FSA6	19	93S 57.6 PSP5	24
101W 102.6 FSV5	28	93S 68.8 FSV3	30
101W 115 PSP5	15	93S 7.2 FSD5	164
101W 128 PSV6	18	93S 85.4 FSV3	29
293 N 8.8 FSPT	143	95N 0.4 FSVT	139
293 S 1.4 VSL D 5	7	95N 13.0 FSVT	28
293S 1.4 FSD5	34	95N 14.8 FSDT	50
293S 4.8 FSDT	25	95N 3.0 FSDT	127
393 W 1.9 PSV5	11	95S 15.4 FSDT	131
4E 98 FSA6	18	95S 3.4 FSPT	14
89N 1.8 FSV5	92	95S 7.6 FSDT	125
89N 18.4 FSV5	32	FEE N 1.2 FSVT	40
89N 28.8 PSV2	16	FEE N 16.2 PSVT	27
89N 35.5 FSV2	40	FEE N 18.8 FSVT	24
89N 43.8 PSV2	39	FEE N 5.2 PSVT	39
89N 49.0 PSV2	38	FEE S 17.8 PSVT	27
89N 54.9 FSS2	37	FEE S 3.8 FSDT	57
89S 10.8 FSV5	154	FEE S 8.6 FSPT	3
89S 3.4 FSV5	400	ST N 19.2 PSVT	29
89S 31.4 PSP5	28	ST N 4.4 FSST	10
89S 42.6 PSV2	40	ST S 24.4 FSVT	155
89S 55.0 PSV2	42	ST S 3.4 FSDT	1803
89S 57.7 FSS2	51	ST S 34.4 PSVT	27
93N 23.4 FSD5	627	ST S 7.8 FSAT	1
93N 32.9 FSST	33	WA W 0.5 FSST	13
93N 36.2 FSVT	36		
93N 43.8 PSP5	33		
93N 57.6 FSS3	34		
93N 7.2 FSD5	202		
93N 76.4 FSV3	31		
93N 82.6 FSV3	35		
93N 99.6 FSA3	34		
93S 117.6 FSA1	15		
93S 122.2 FSV1	50		
93S 23.4 FSD5	173		
93S 27.8 FSDT	371		
93S 32.4 FSVT	25		

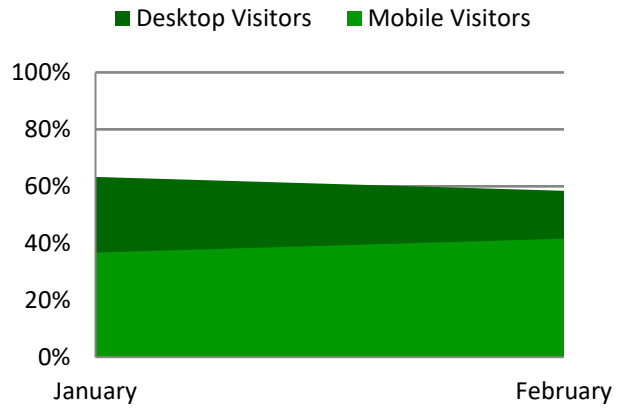
Public Outreach

2,347 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.



40,125 Total Twitter Followers

