

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

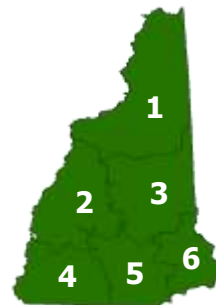
Transportation excellence enhancing the quality of life in New Hampshire.

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
	16 ¹	16 ¹
	20 ²	20 ²

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¹ Additional DMS that TSMO uses during the winter season.

² TSMO is responsible for an additional ~20 DMS for the department.



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
Unplanned Incidents	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	126	409

	Current Month	2021 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	261	457

	Current Month	2021 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,010	8,782

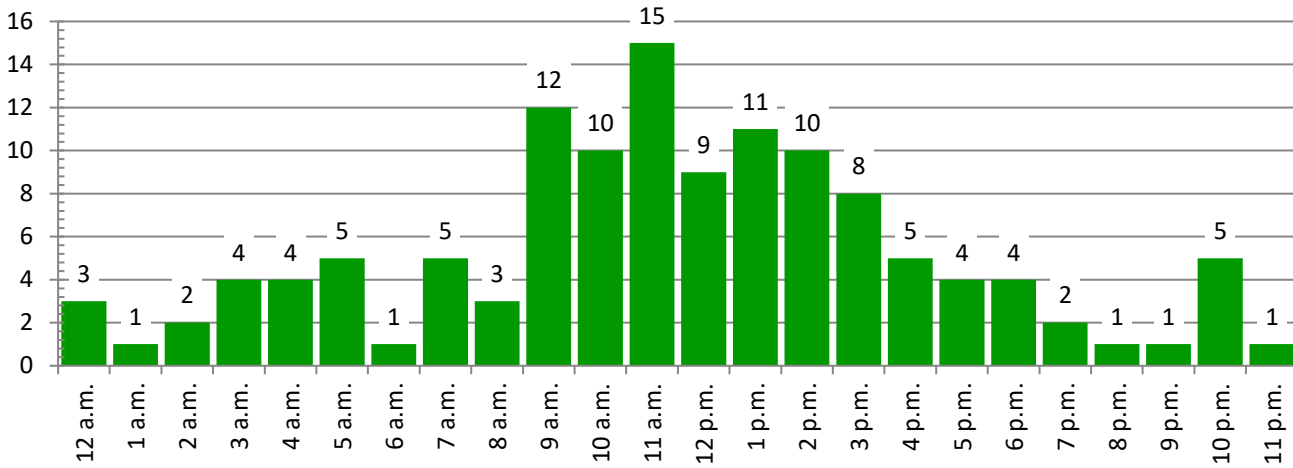
	Current Month	2021 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,488	3,102

	Current Month	2021 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	9,649	23,931

	Current Month	2021 Total
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,415	5,155

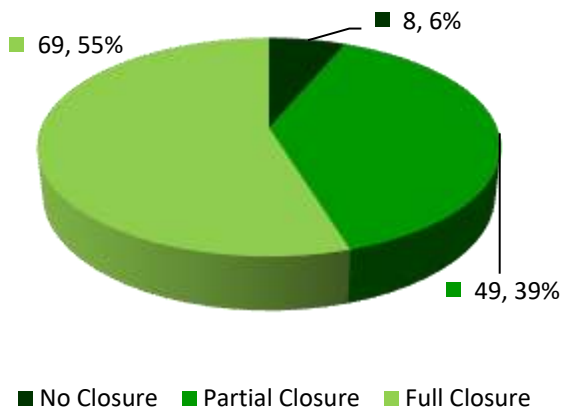
	Current Month	2021 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	0

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



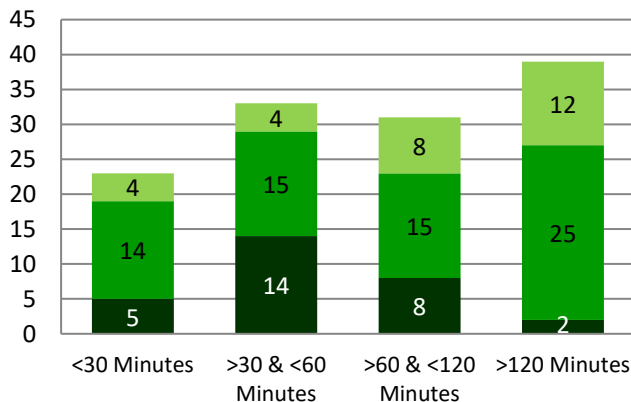
This graph shows the type of incident totals for the month.

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.

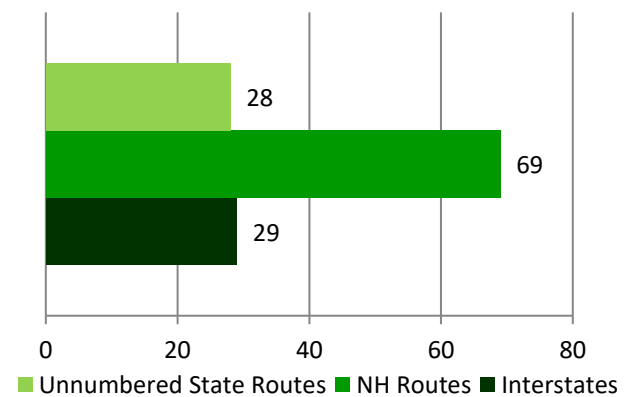
Current Month - Incident Duration

This graph shows the duration history of incidents.

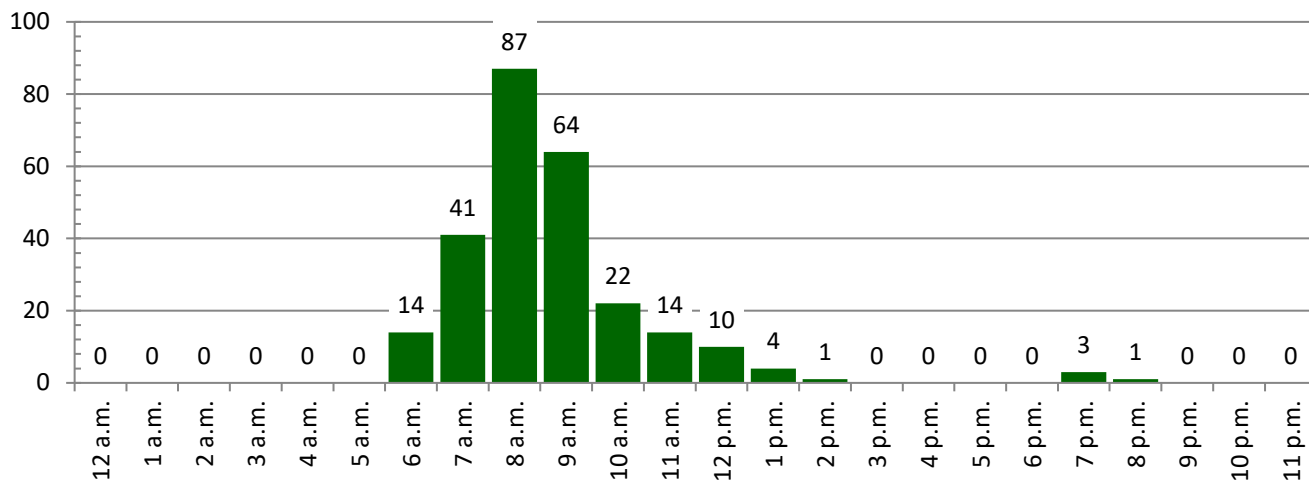


Current Month - Incident by Road

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

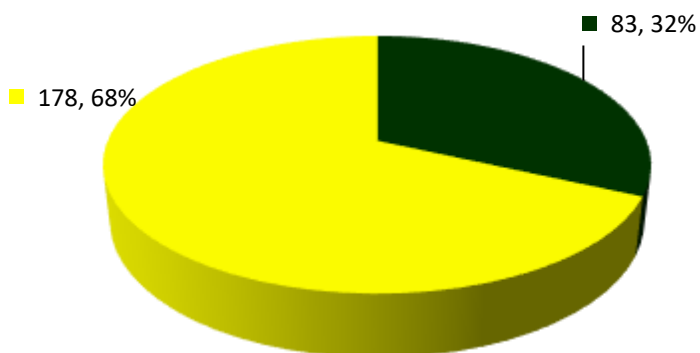


Planned Events



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



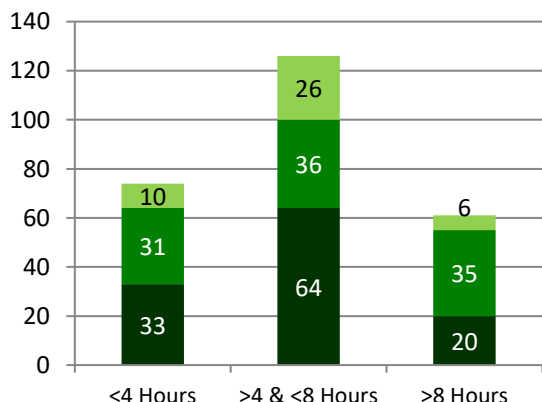
This graph shows the type of incident totals for the month.

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.

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

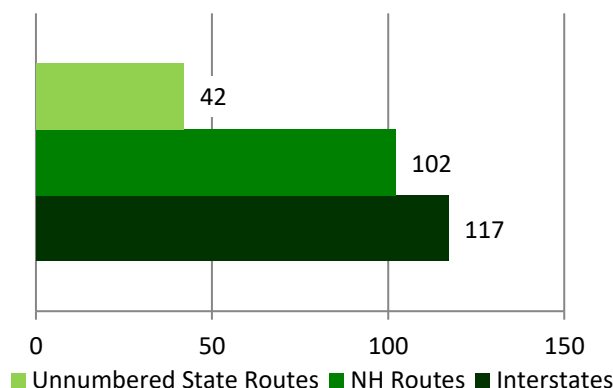
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Current Month - Incident by Road

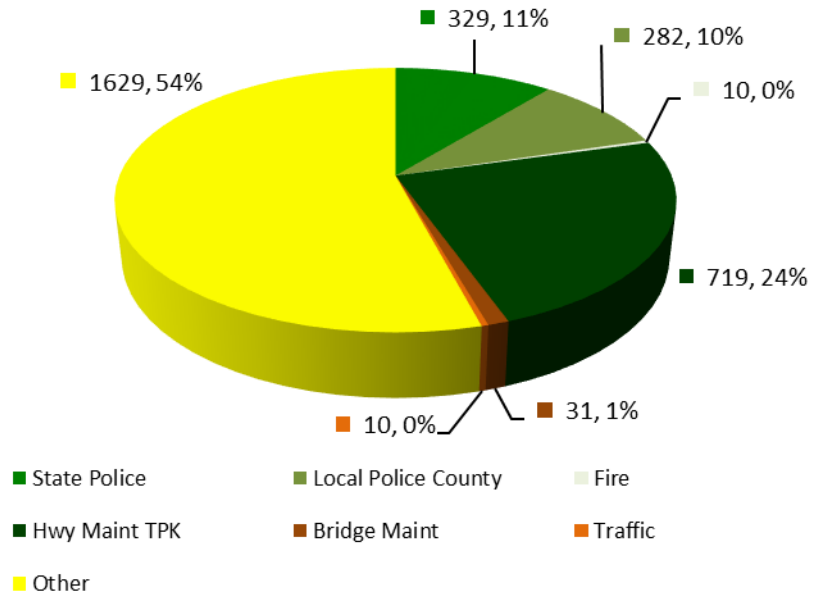
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Communication

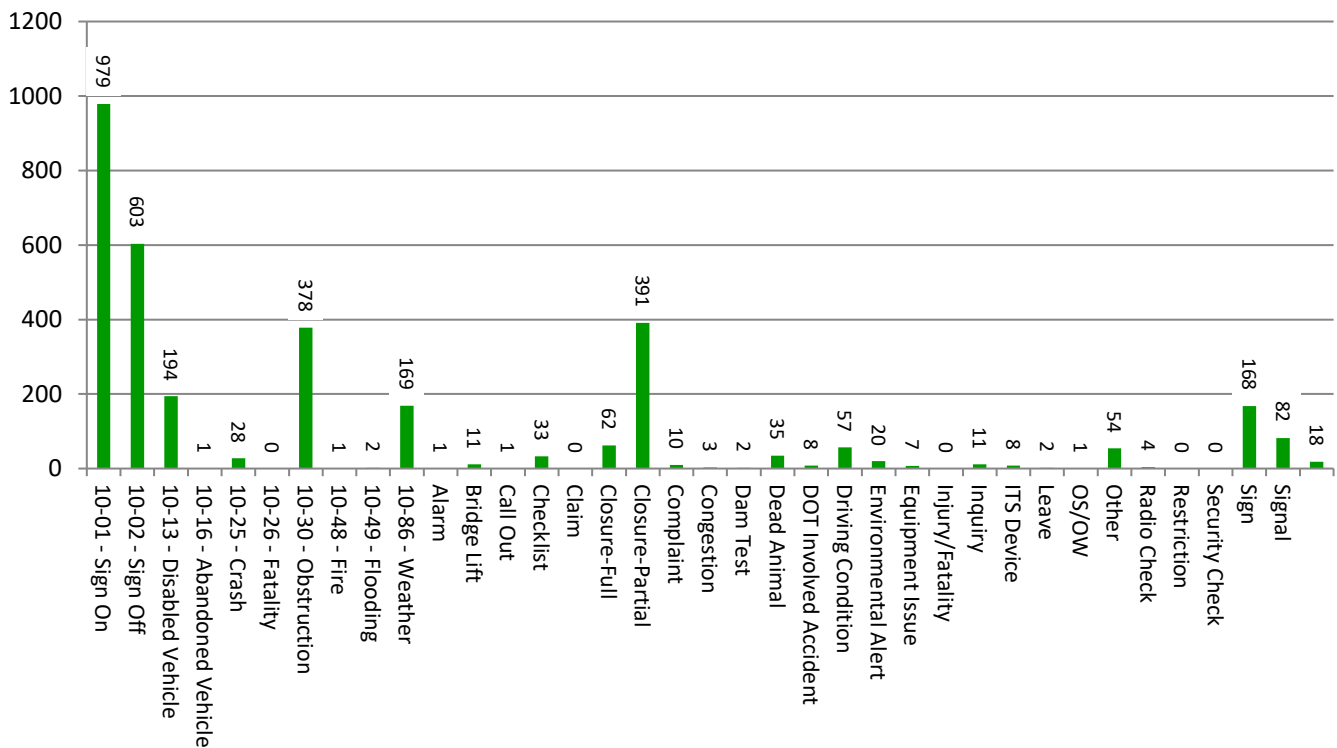
Current Month - Calls by Type

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



Log Entries by Type

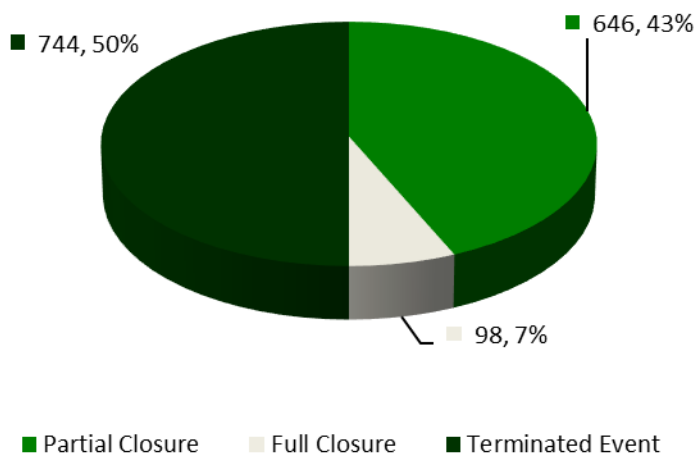
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

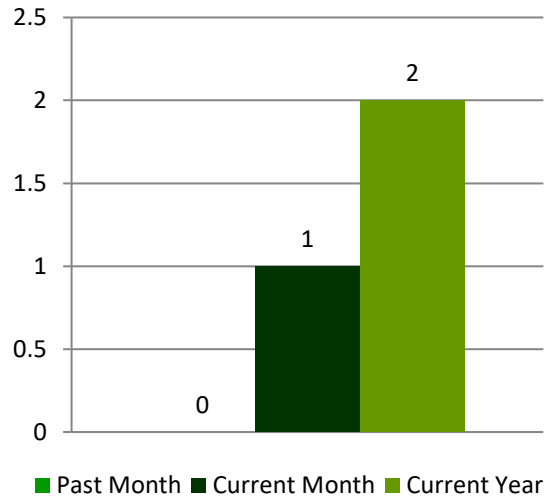
Current Month – Construction Calls

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

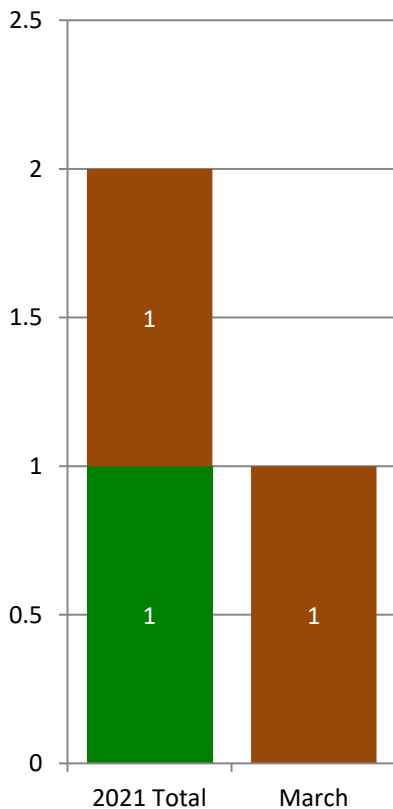


Incidents Occurring in Work Zones

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

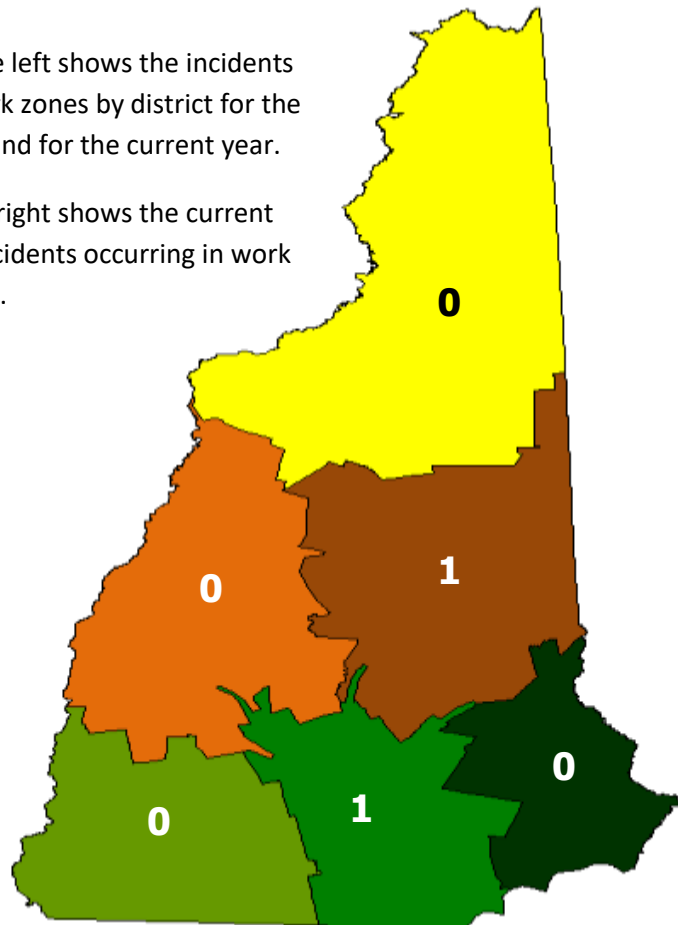


Incidents Occurring in Work Zones by Location



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

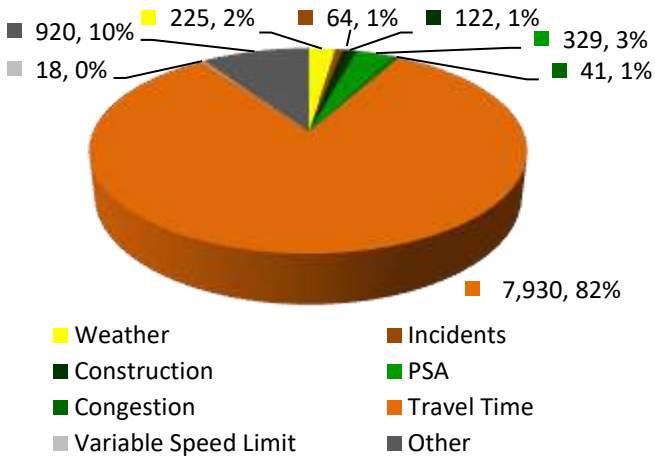
The map to the right shows the current year total for incidents occurring in work zones by district.



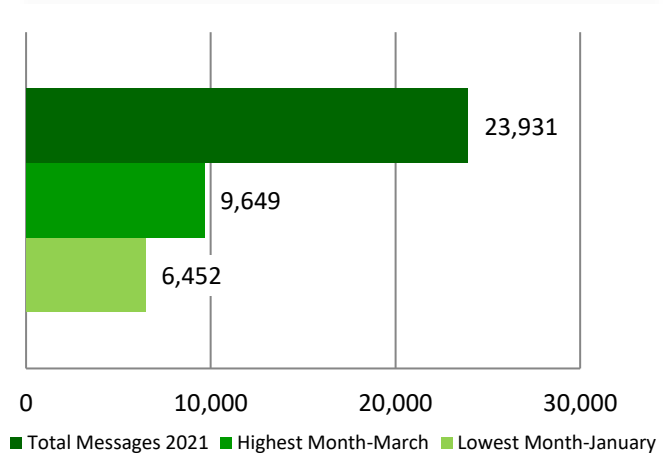
■ District 6
 ■ District 5
 ■ District 4
■ District 3
 ■ District 2
 ■ District 1

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.

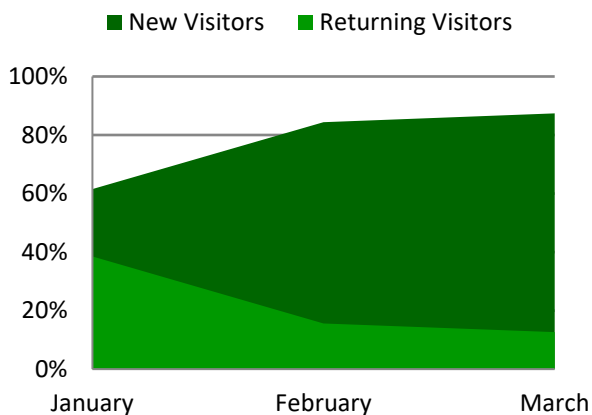
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	16	93 S 25.6 PSVT - SWZ - M03	8	I-91 N VT 69.1 PSVT - SWZ - M06	14
101 WM 100.5 VSL D 5	9	93 S 26.4 PSVT - SWZ - M02	8	ST N 1.0 FSAT	311
101E 102 PSP5	13	93 S 27.4 PSVT - SWZ - M01	8	ST N 19.2 PSVT	6
101E 114.8 FSV6	143	93 S 31.9 PSVT - SWZ - M07	8	ST N 4.4 FSST	13
101E 130 FSA6	132	93 S EX 9 On-Ramp - SWZ - M09	8	ST S 24.4 FSVT	184
101W 102.6 FSV5	10	93N 23.4 FSD5	744	ST S 3.4 FSDT	2,733
101W 115 PSP5	10	93N 32.9 FSST	21	ST S 34.4 PSVT	6
101W 128 PSV6	6	93N 36.2 FSVT	32	ST S 7.8 FSAT	2,273
293 S 1.4 VSL D 5	9	93N 43.8 PSP5	6	WA W 0.5 FSST	3
293S 1.4 FSD5	31	93N 57.6 FSS3	11		
293S 4.8 FSDT	29	93N 7.2 FSD5	178		
393 W 1.9 PSV5	2	93N 76.4 FSV3	10		
4E 92.4 FSS6	1	93N 82.6 FSV3	3		
4E 98 FSA6	4	93N 99.6 FSA3	13		
89 N 15.5 PSVT - SWZ M01	9	93S 117.6 FSA1	7		
89 N 16.0 PSVT - SWZ - M02	9	93S 122.2 FSV1	7		
89 N 56.8 PSVT - SWZ - M01	22	93S 23.4 FSD5	183		
89 N 57.2 PSVT - SWZ - M02	21	93S 27.8 FSDT	349		
89 N 59.8 PSVT - SWZ - M03	15	93S 32.4 FSVT	49		
89 S 20.6 PSVT - SWZ - M04	8	93S 36.5 FSST	13		
89 S 21.1 PSVT - SWZ - M03	8	93S 39.0 FSV5	26		
89 S 58.7 PSVT - SWZ - M07	14	93S 43.3 PSV5	5		
89 S VT 0.9 PSVT - SWZ - M05	14	93S 48.0 FSV5	13		
89N 1.8 FSV5	142	93S 57.6 PSP5	9		
89N 18.4 FSV5	9	93S 68.8 FSV3	3		
89N 28.8 PSV2	10	93S 7.2 FSD5	161		
89N 35.5 FSV2	11	93S 85.4 FSV3	5		
89N 43.8 PSV2	17	95N 0.4 FSVT	195		
89N 49.0 PSV2	17	95N 13.0 FSVT	12		
89N 54.9 FSS2	25	95N 14.8 FSDT	24		
89S 10.8 FSV5	163	95N 3.0 FSDT	188		
89S 3.4 FSV5	358	95S 15.4 FSDT	119		
89S 31.4 PSP5	21	95S 3.4 FSPT	2		
89S 42.6 PSV2	13	95S 7.6 FSDT	117		
89S 55.0 PSV2	13	FEE N 1.2 FSVT	18		
89S 57.7 FSS2	54	FEE N 16.2 PSVT	9		
91 VT S 70.6 PSVT - SWZ - M04	21	FEE N 18.8 FSVT	8		
93 N EX 9 On-Ramp - SWZ - M08	8	FEE N 5.2 PSVT	17		
93 S 22.6 PSVT - SWZ - M06	8	FEE S 17.8 PSVT	18		
93 S 23.3 PSVT - SWZ - M05	8	FEE S 3.8 FSDT	25		
93 S 25.1 PSVT - SWZ - M04	8	FEE S 8.6 FSPT	25		

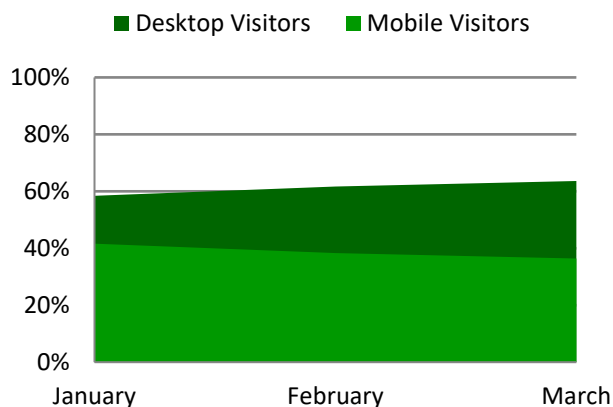
Public Outreach

1,415 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.



40,277 Total Twitter Followers

