

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

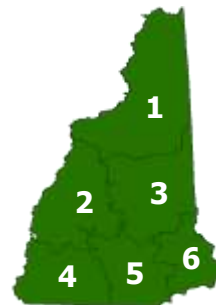
Transportation excellence enhancing the quality of life in New Hampshire.

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

	2019 Total	2020 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	103	104

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Dynamic Message Signs (DMS)

	2019 Total	2020 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	55 16 ¹ 20 ²	55 16 ¹ 20 ²

DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.

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)

	2019 Total	2020 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)

	2019 Total	2020 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)

	2019 Total	2020 Total
MVDS are sensors that collect speed and volume data.	8	8

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Summary

	Current Month	2020 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	71	480

	Current Month	2020 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	328	778

	Current Month	2020 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,591	11,814

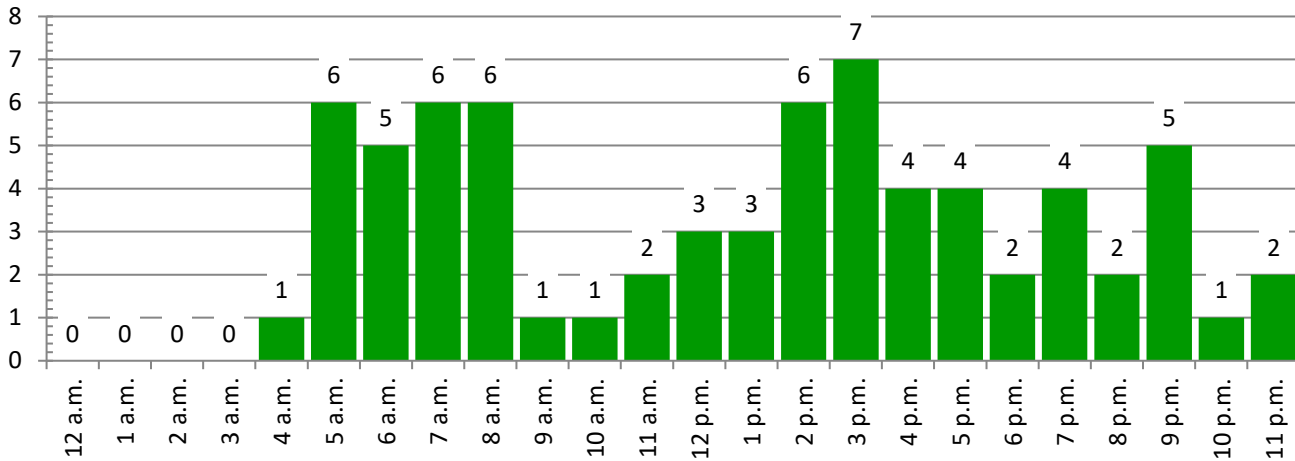
	Current Month	2020 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,412	4,336

	Current Month	2020 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	11,115	50,532

	Current Month	2020 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.	1,288	6,507

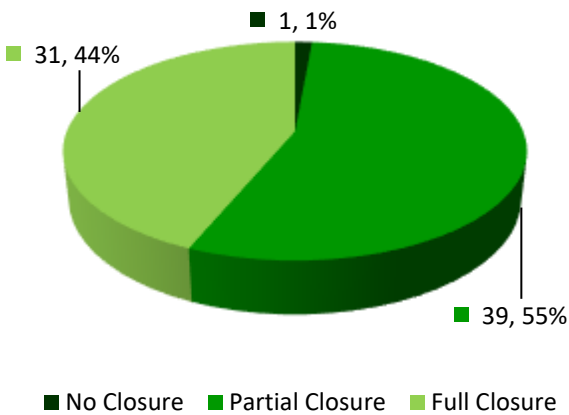
	Current Month	2020 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	0

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



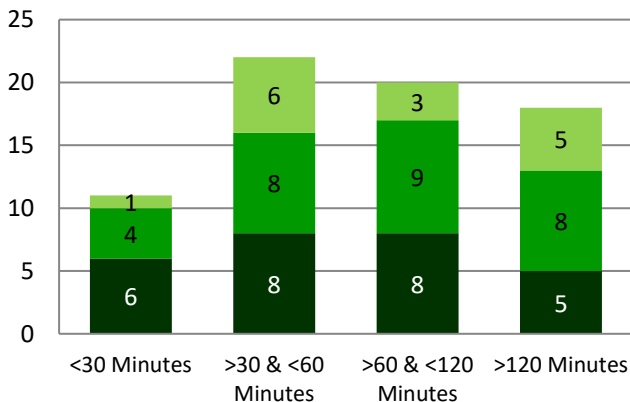
This graph shows the type of incident totals for the month.

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.

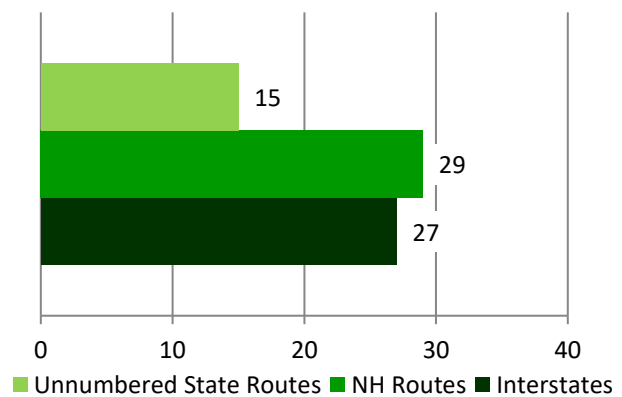
Current Month - Incident Duration

This graph shows the duration history of incidents.

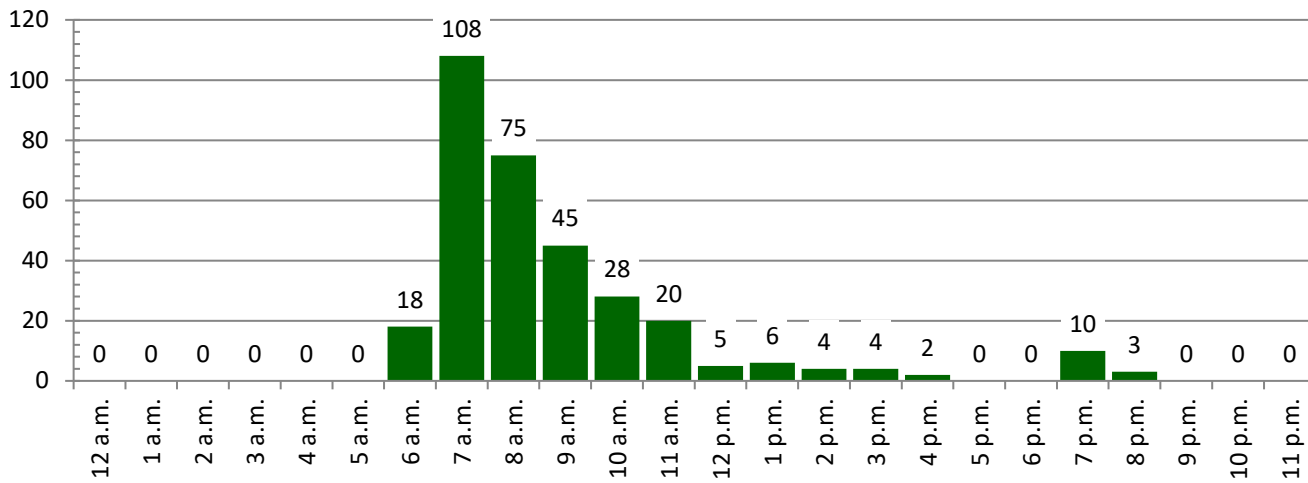


Current Month - Incident by Road

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

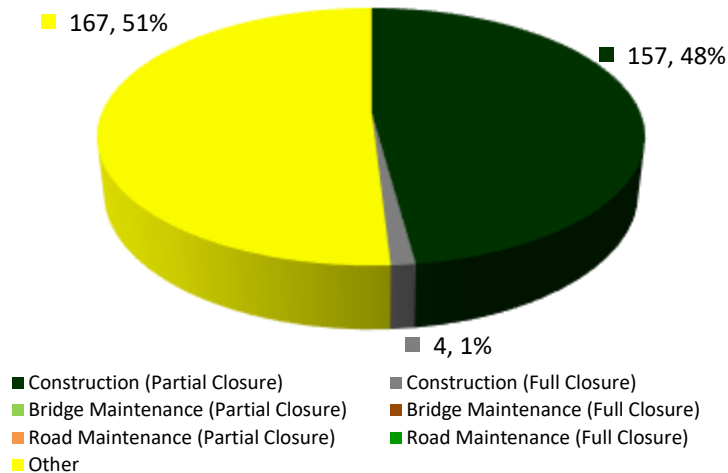


Planned Events



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

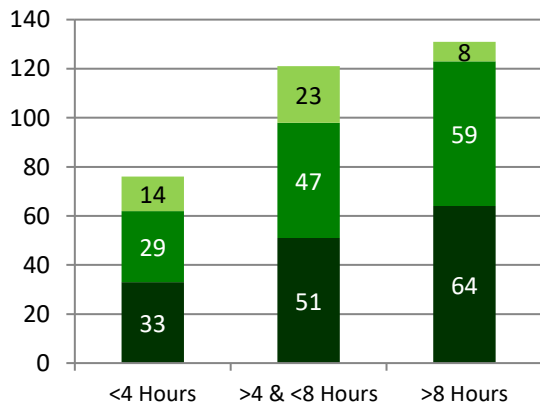


This graph shows the type of incident totals for the month.

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.

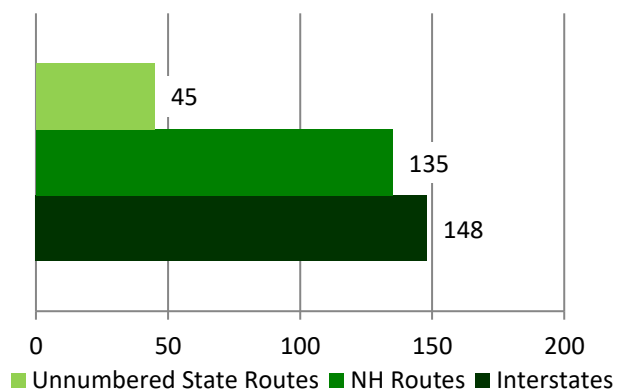
Current Month - Incident Duration

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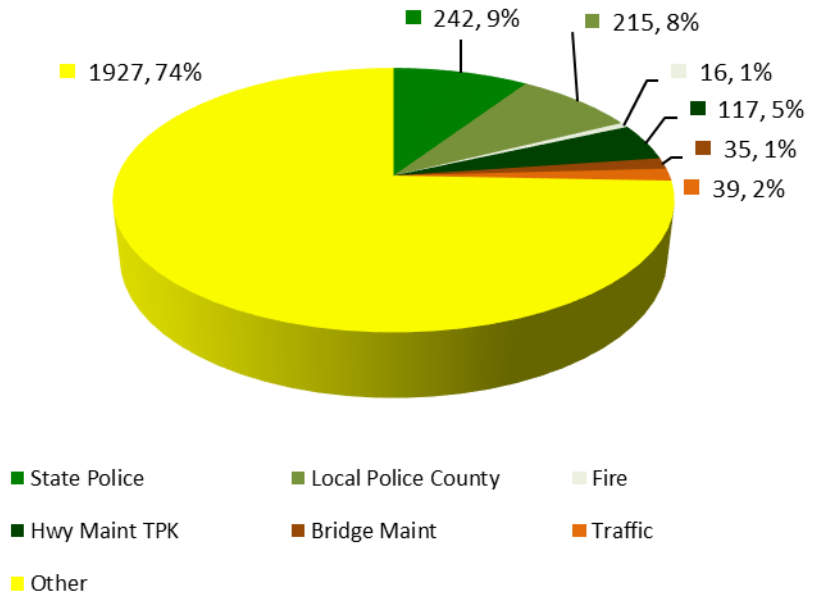
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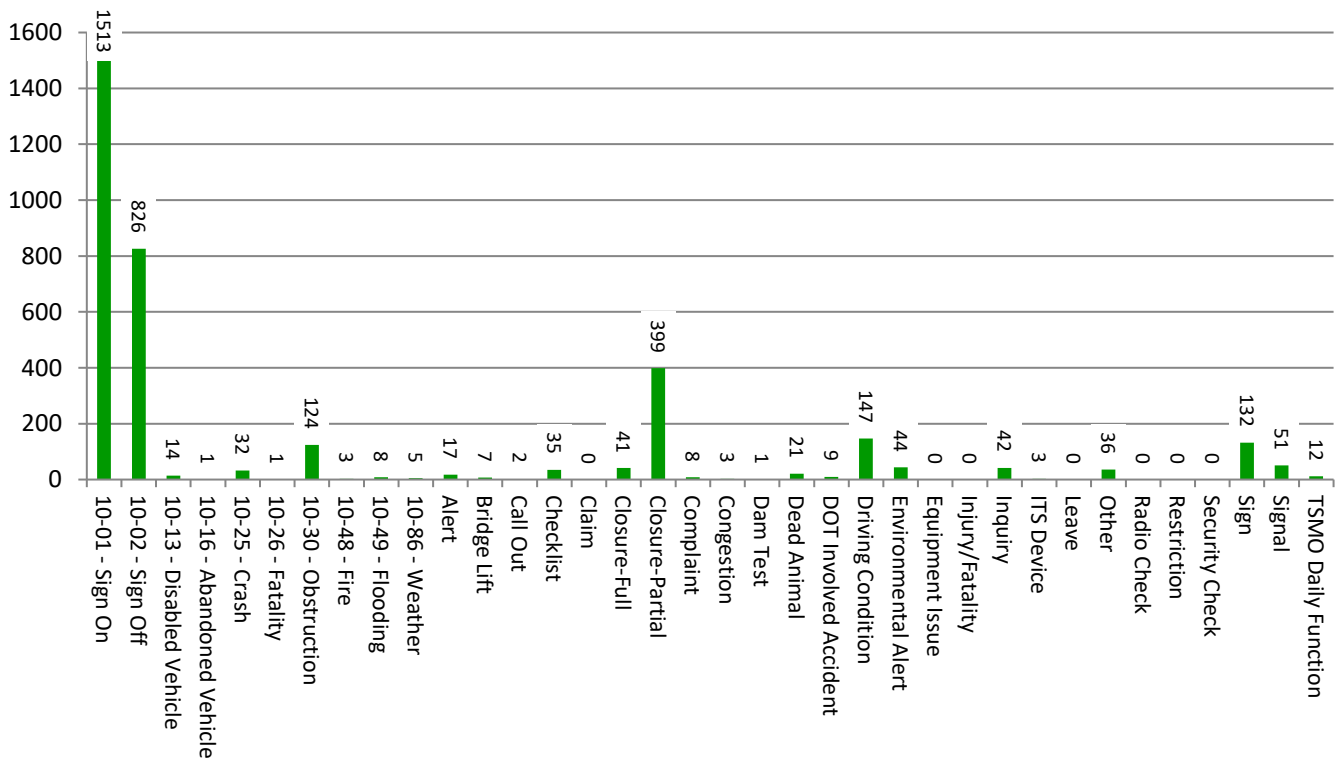
Current Month - Calls by Type

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



Log Entries by Type

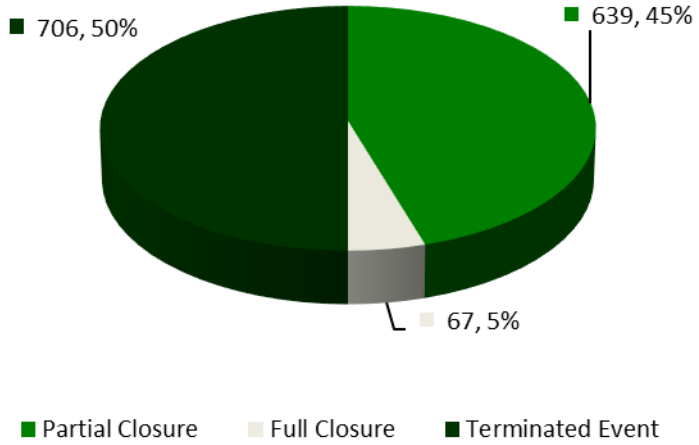
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

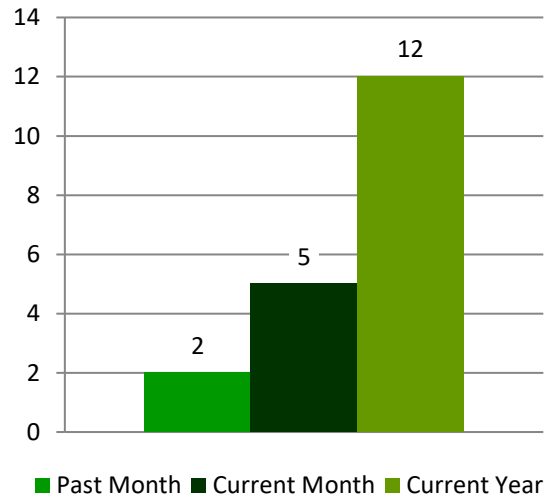
Current Month – Construction Calls

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

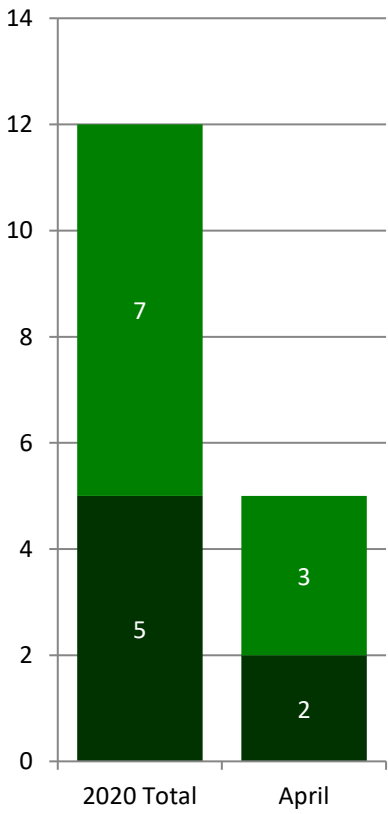


Incidents Occurring in Work Zones

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

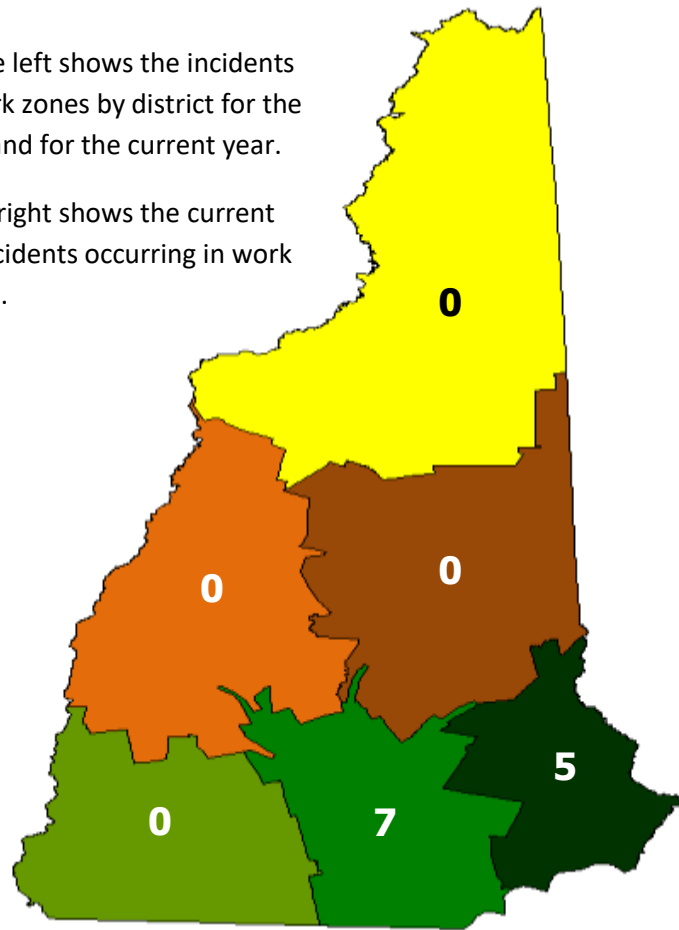


Incidents Occurring in Work Zones by Location



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

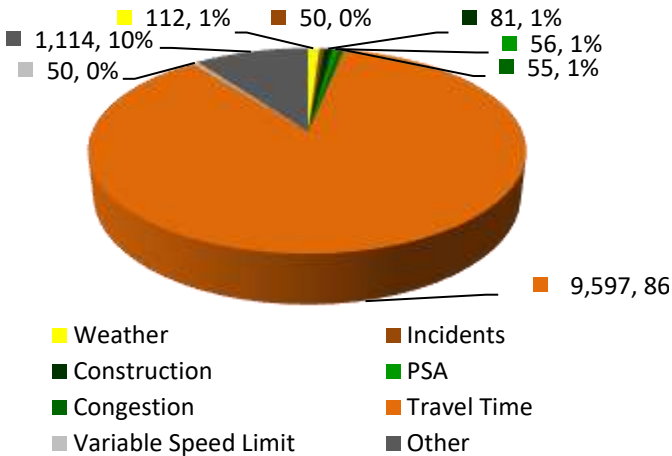
The map to the right shows the current year total for incidents occurring in work zones by district.



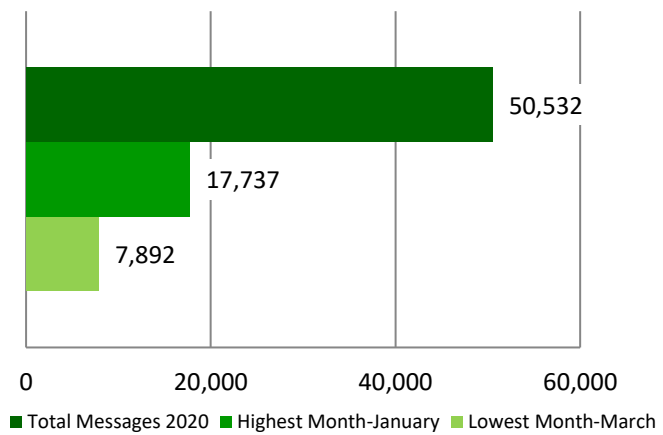
- District 6
- District 5
- District 4
- District 3
- District 2
- District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 2020



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.

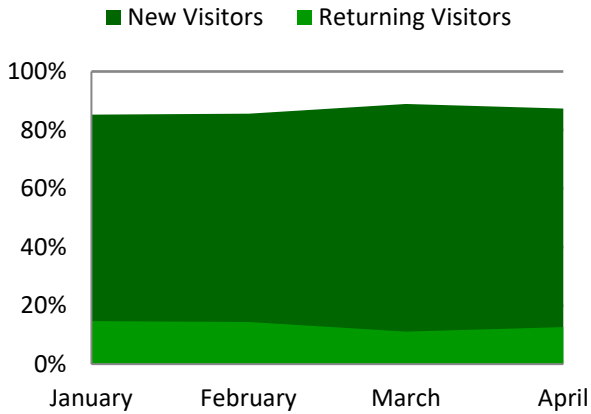
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	5	93N 28.8 PSVT	68	FEE S 17.8 PSVT	74
101 WM 100.5 VSL D 5	5	93N 32.4 FSVT	14	FEE S 8.6 FSPT	4
101E 114.8 FSV6	128	93N 36.2 FSVT	19	FEE SB 10.4 PSVT	66
101E 130 FSA6	2	93N 43.8 PSP5	5	NHTI Boat	2
101E 130.8 PSVT	56	93N 57.6 FSS3	27	NHTI Maintenance	2
101E 53.4 FSV5	1	93N 7.2 FSD5	148	ST N 1.0 FSAT	183
101W 102.6 FSV5	12	93N 76.4 FSV3	7	ST NB 17.3 PSVT	24
101W 128 PSV6	19	93N 82.6 FSV3	14	ST NB 5.4 PSVT	72
293 S 1.4 VSL D 5	4	93N 99.6 FSA3	5	ST S 24.4 FSVT	58
293N 8.8 FSPT	357	93S 122.2 FSV1	8	ST S 7.8 FSAT	172
293S 1.4 FSD5	15	93S 13.8 PCMS - SWZ M11	528	ST SB 17.6 PSVT	66
293S 2.2 PCMS - SWZ M06	1,391	93S 14.4 VSL D5	13	ST SB 5.6 PSVT	69
293S 4.8 FSVT	1	93S 14.4 VSL D5 Median	14		
393 W 1.9 PSV5	5	93S 15.85 PCMS - SWZ M12	902		
89N 1.8 FSV5	16	93S 2.6 PCMS - SWZ M08	121		
89N 15.5 PCMS - SWZ M01	3	93S 20.1 PCMS - SWZ M13	1,377		
89N 15.9 PCMS - SWZ M-02	173	93S 23.4 FSD5	986		
89N 18.4 FSV5	8	93S 27.8 FSDT	1,232		
89N 28.8 PSV2	4	93S 32.4 FSVT	9		
89N 35.5 FSV2	17	93S 39.0 FSV5	18		
89N 43.8 PSV2	9	93S 43.3 PSV5	7		
89N 54.9 FSS2	11	93S 48.0 FSV5	11		
89S 10.8 FSV5	114	93S 5.2 PCMS - SWZ M09	153		
89S 20.6 PCMS - SWZ M-04	22	93S 57.6 PSP5	5		
89S 21.1 PCMS - SWZ M-03	9	93S 68.8 FSV3	2		
89S 3.4 FSV5	202	93S 7.2 FSD5	162		
89S 31.4 PSP5	10	93S 85.4 FSV3	14		
89S 42.6 PSV2	15	93S 99.2 FSA3	2		
89S 55.0 PSV2	28	95N 0.4 FSVT	43		
89S 57.7 FSS2	6	95N 13.0 FSVT	9		
93 NB 28.0 PSVT	64	95N 14.8 FSDT	20		
93 SB 28.8 PSVT	64	95N 3.0 FSDT	114		
93N 0.0 PCMS - SWZ M01	236	95N 5.2 PSVT	64		
93N 0.3 FSD5	36	95S 15.4 FSDT	33		
93N 1.35 PCMS - SWZ M07	207	95S 3.4 FSPT	1		
93N 10.95 PCMS - SWZ M04	183	95S 6.2 PSVT	66		
93N 14.8 PCMS - SWZ M05	126	95S 7.6 FSDT	34		
93N 16.0 VSL D5	4	FEE N 1.2 FSVT	30		
93N 16.0 VSL D5 Median	5	FEE N 16.2 PSVT	68		
93N 2.6 PCMS - SWZ M03	195	FEE N 18.8 FSVT	7		
93N 23.4 FSD5	130	FEE N 9.6 PSVT	65		

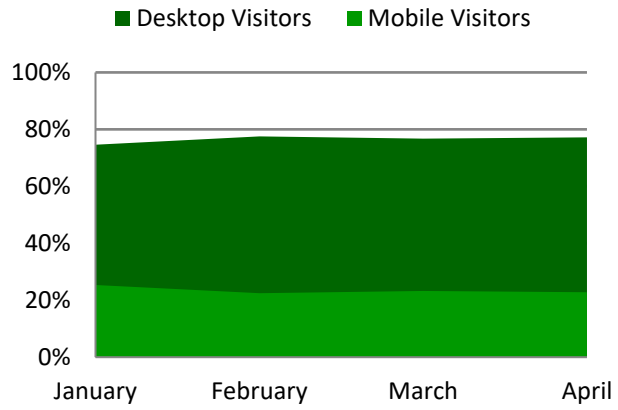
Public Outreach

1,288 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.



40,404 Total Twitter Followers

