

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

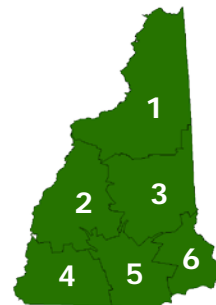
Transportation excellence enhancing the quality of life in New Hampshire.

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	103



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	55
	16 ¹	16 ¹
	20 ²	20 ²

¹ Additional DMS that TSMO uses during the winter season.

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



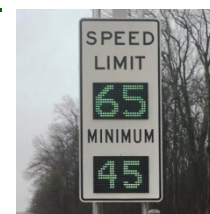
Road Weather Information System (RWIS)

	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



Variable Speed Limit Sign (VSL)

	2019 Total	2020 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	18	18



Motor Vehicle Detection System (MVDS)

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



Summary

	Current Month	2020 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	149	288

	Current Month	2020 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	84	208

	Current Month	2020 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,961	6,300

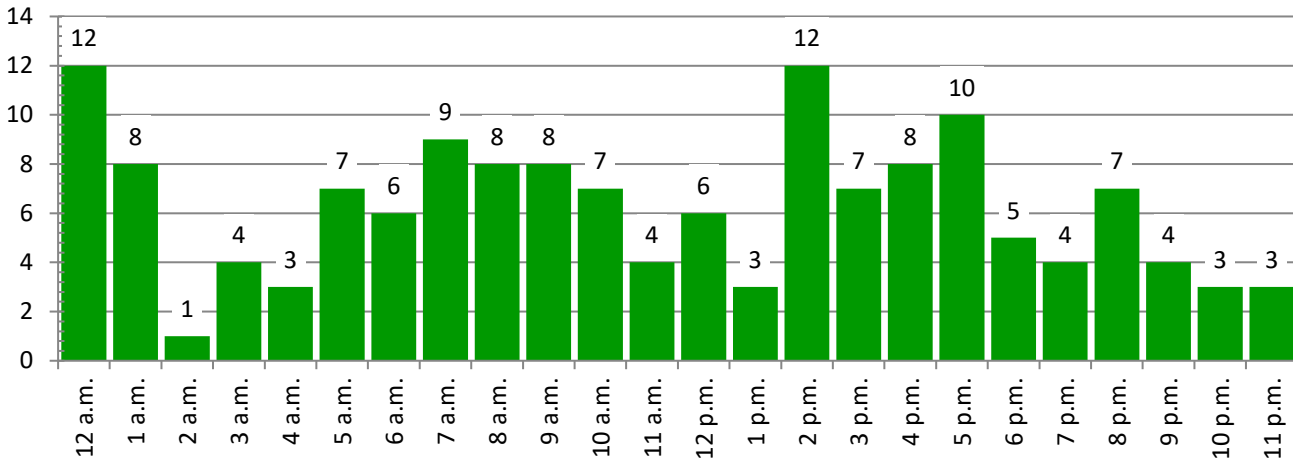
	Current Month	2020 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	758	1,626

	Current Month	2020 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	13,788	31,525

	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.	1,812	3,463

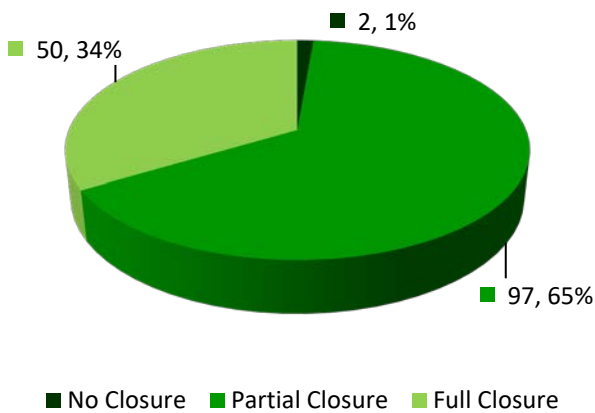
	Current Month	2020 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	0

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:

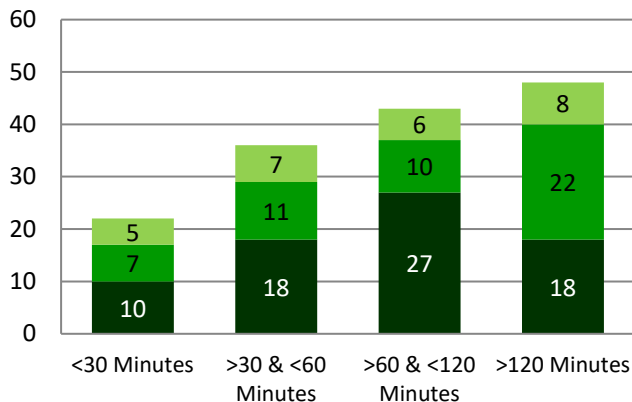
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

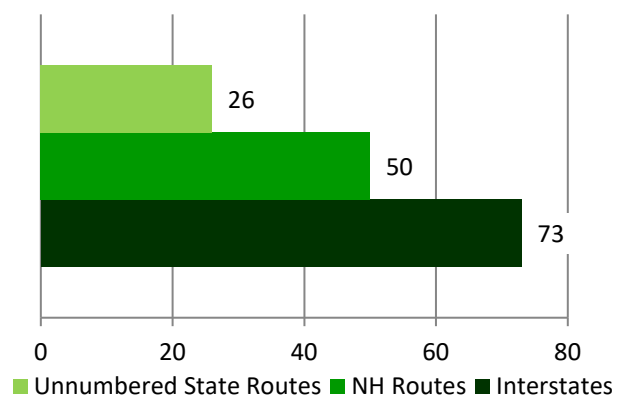
Current Month - Incident Duration

This graph shows the duration history of incidents.

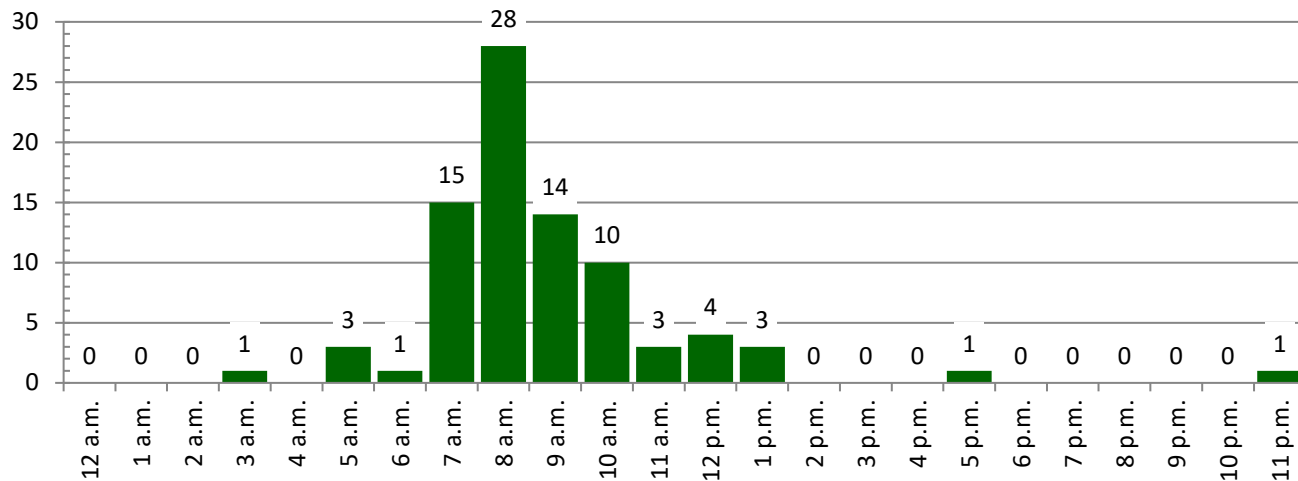


Current Month - Incident by Road

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

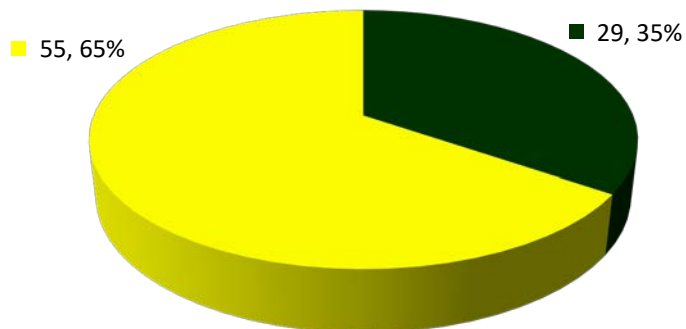


Planned Events



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



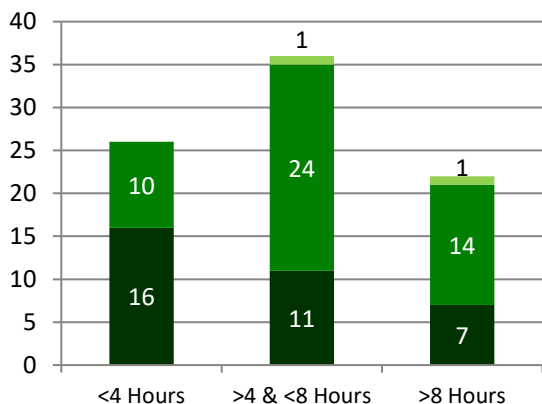
This graph shows the type of incident totals for the month.

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.

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

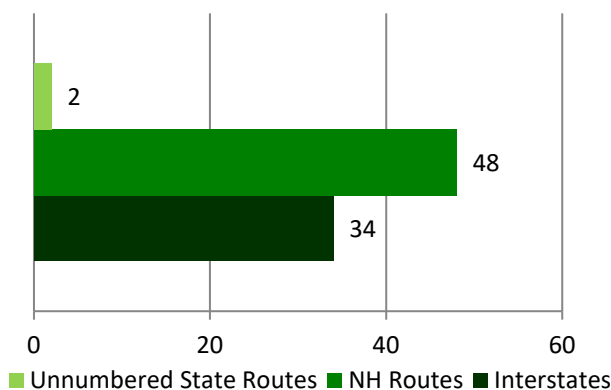
Current Month - Incident Duration

This graph shows the duration history of incidents.



Current Month - Incident by Road

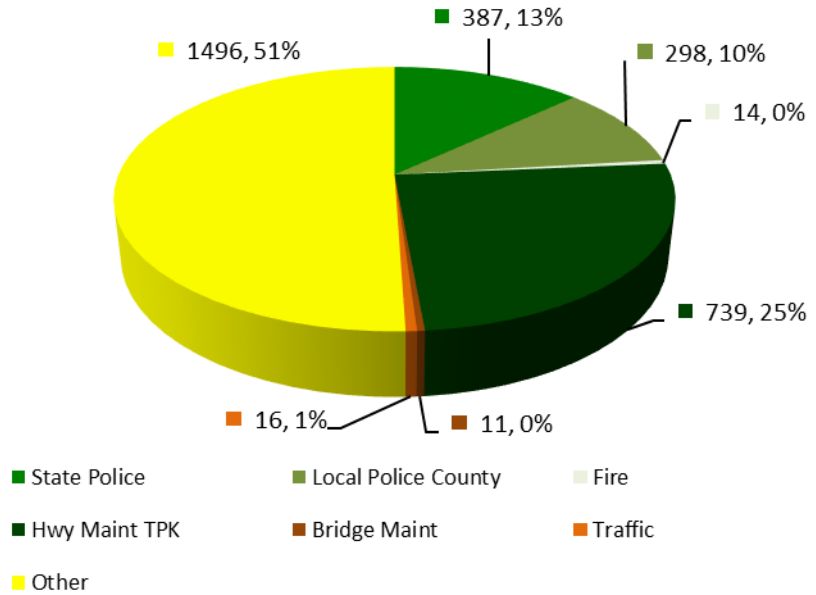
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Communication

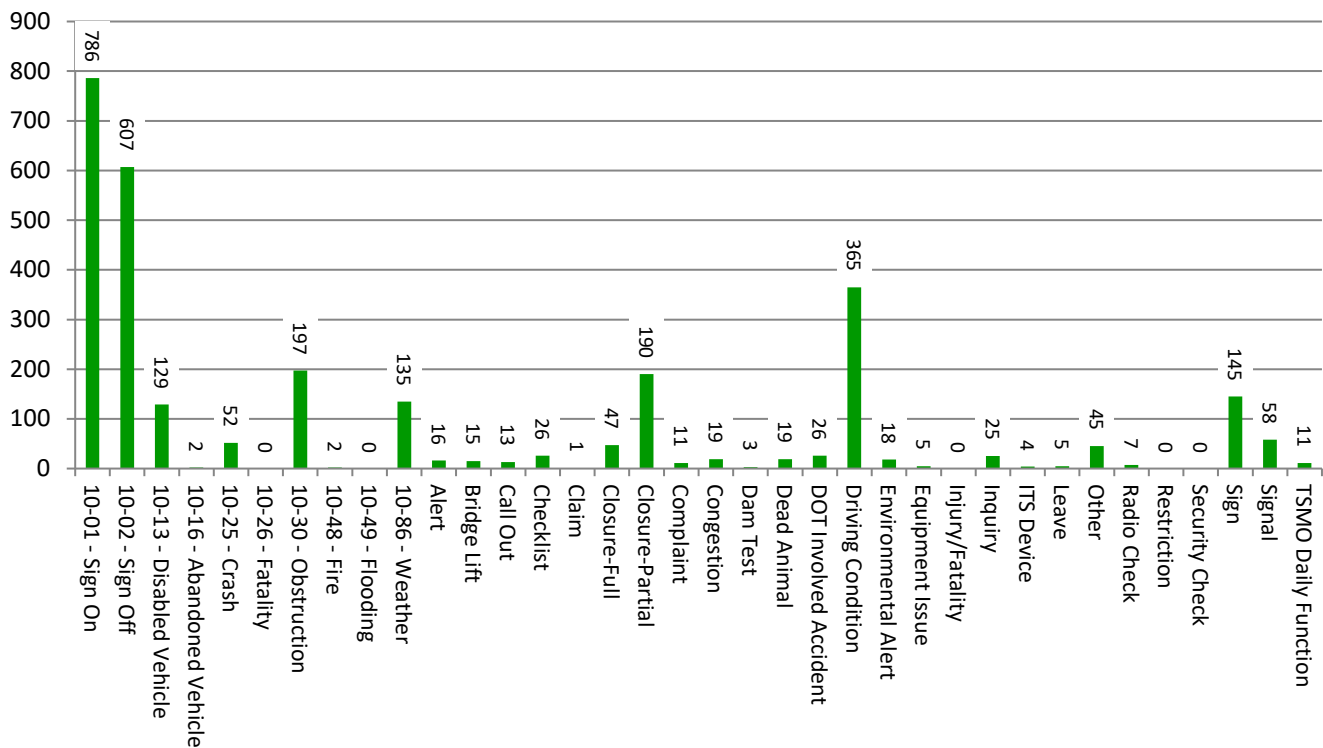
Current Month - Calls by Type

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



Log Entries by Type

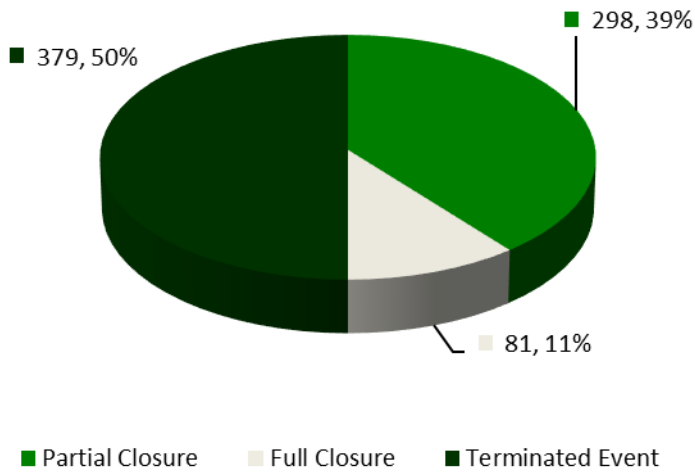
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

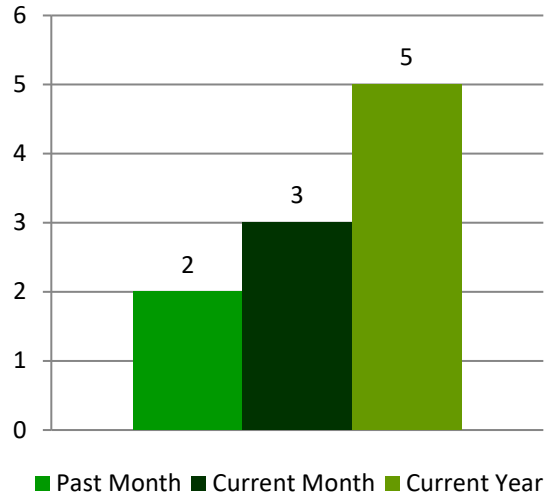
Current Month – Construction Calls

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

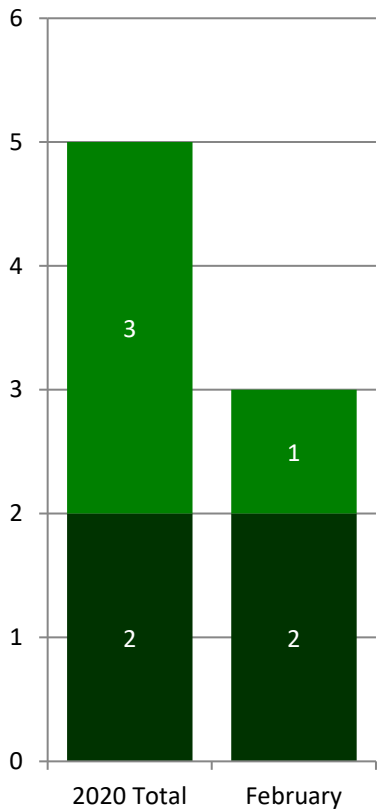


Incidents Occurring in Work Zones

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

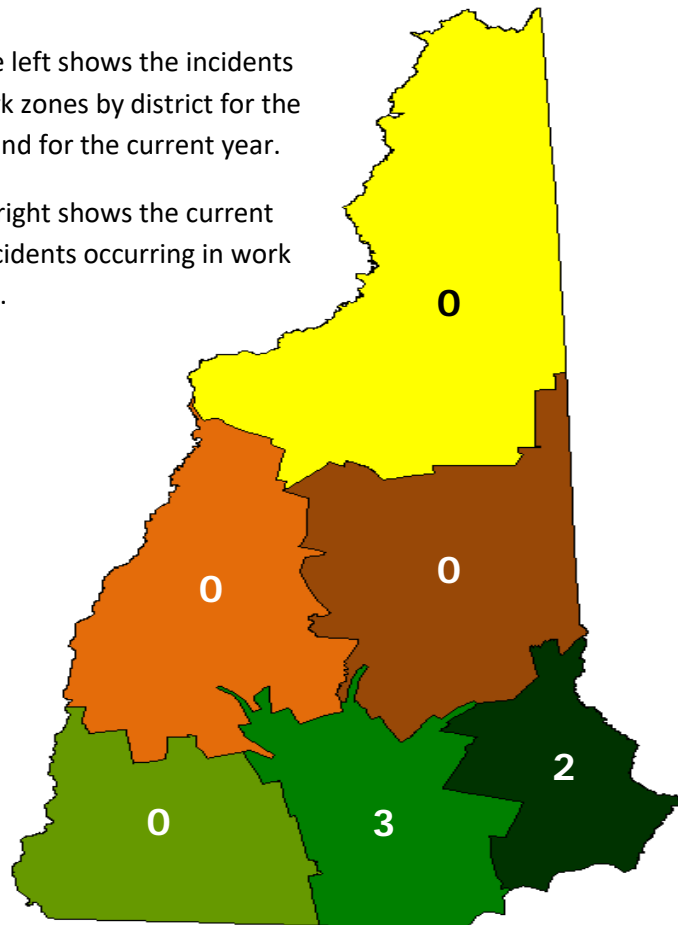


Incidents Occurring in Work Zones by Location



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

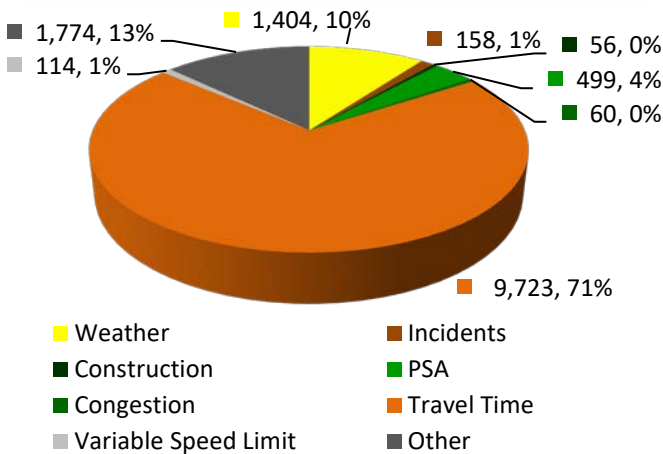
The map to the right shows the current year total for incidents occurring in work zones by district.



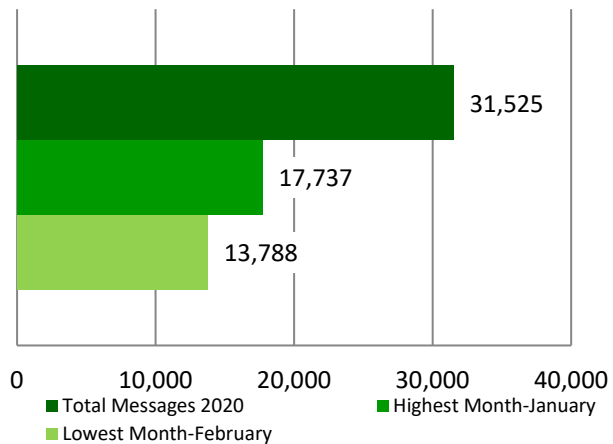
- District 6
- District 5
- District 4
- District 3
- District 2
- District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 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.

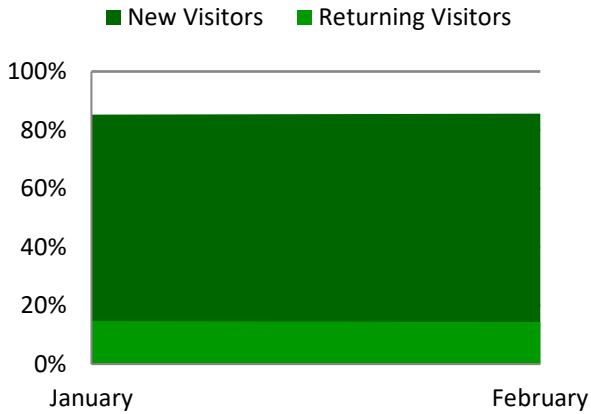
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	7	93N 0.3 FSD5	471	95S 7.6 FSDT	70
101 WM 100.5 VSL D 5	7	93N 1.35 PCMS - SWZ M07	734	FEE N 1.2 FSVT	66
101E 102 PSP5	21	93N 10.95 PCMS - SWZ M04	590	FEE N 16.2 PSVT	52
101E 114.8 FSV6	103	93N 14.8 PCMS - SWZ M05	462	FEE N 18.8 FSVT	43
101E 130 FSA6	20	93N 16.0 VSL D5	6	FEE N 5.2 PSVT	66
101E 53.4 FSV5	43	93N 16.0 VSL D5 Median	7	FEE S 17.8 PSVT	66
101W 102.6 FSV5	54	93N 2.6 PCMS - SWZ M03	749	FEE S 8.6 FSPT	37
101W 115 PSP5	34	93N 23.4 FSD5	367	ST N 19.2 PSVT	46
101W 128 PSV6	41	93N 32.4 FSVT	82	ST S 24.4 FSVT	115
293 S 1.4 VSL D 5	6	93N 36.2 FSVT	80	ST S 3.4 FSDT	1,089
293N 8.8 FSPT	455	93N 43.8 PSP5	40	ST S 34.4 PSVT	46
293S 1.4 FSD5	78	93N 7.2 FSD5	501	ST S 7.8 FSAT	889
293S 2.2 PCMS - SWZ M06	521	93N 76.4 FSV3	49	WA W 0.5 FSST	23
293S 4.8 FSVT	44	93N 82.6 FSV3	62		
393 W 1.9 PSV5	24	93N 99.6 FSA3	47		
4E 92.4 FSS6	11	93S 117.6 FSA1	36		
4E 98 FSA6	23	93S 122.2 FSV1	40		
89N 1.8 FSV5	153	93S 13.8 PCMS - SWZ M11	182		
89N 18.4 FSV5	45	93S 14.4 VSL D5	6		
89N 28.8 PSV2	22	93S 14.4 VSL D5 Median	6		
89N 35.5 FSV2	73	93S 15.85 PCMS - SWZ M12	308		
89N 43.8 PSV2	72	93S 2.6 PCMS - SWZ M08	120		
89N 54.9 FSS2	38	93S 20.1 PCMS - SWZ M13	307		
89S 10.8 FSV5	214	93S 23.4 FSD5	341		
89S 3.4 FSV5	532	93S 27.8 FSDT	703		
89S 31.4 PSP5	57	93S 32.4 FSVT	70		
89S 42.6 PSV2	65	93S 36.0 PSVT	88		
89S 55.0 PSV2	57	93S 39.0 FSV5	80		
89S 57.7 FSS2	57	93S 43.3 PSV5	27		
93 N 0.3 VSL D 5	6	93S 48.0 FSV5	71		
93 N 2.35 VSL D 5	6	93S 5.2 PCMS - SWZ M09	134		
93 N 3.8 VSL D5	6	93S 57.6 PSP5	28		
93 N 6.6 VSL D5	7	93S 68.8 FSV3	56		
93 NM 2.35 VSL D 5	6	93S 7.2 FSD5	136		
93 NM 3.8 VSL D5	6	93S 85.4 FSV3	64		
93 NM 6.6 VSL D5	6	95N 0.4 FSVT	113		
93 S 2.2 VSL D 5	6	95N 13.0 FSVT	50		
93 S 5.2 VSL D5	6	95N 14.8 FSDT	53		
93 SM 2.2 VSL D 5	8	95N 3.0 FSDT	127		
93 SM 5.2 VSL D5	6	95S 15.4 FSDT	79		
93N 0.0 PCMS - SWZ M01	741	95S 3.4 FSPT	21		

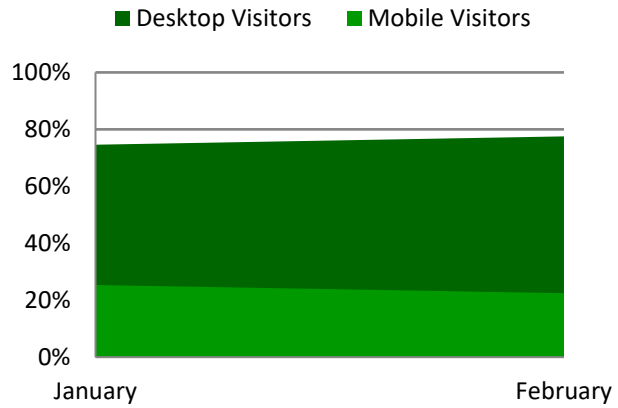
Public Outreach

1,812 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.



40,424 Total Twitter Followers

