July 2022

TMC Monthly Operational Summary

Bureau of Transportation Systems Management & Operations (TSMO)

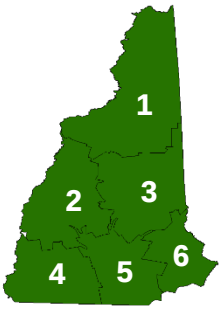
NH Department of Transportation's Mission

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	2021 Total	2022 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	143	144

Dynamic Message Signs (DMS)		
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.	57 16[1] 20[2]	57 16[1] 20[2]

Road Weather Information System (RWIS)		
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.	37	38

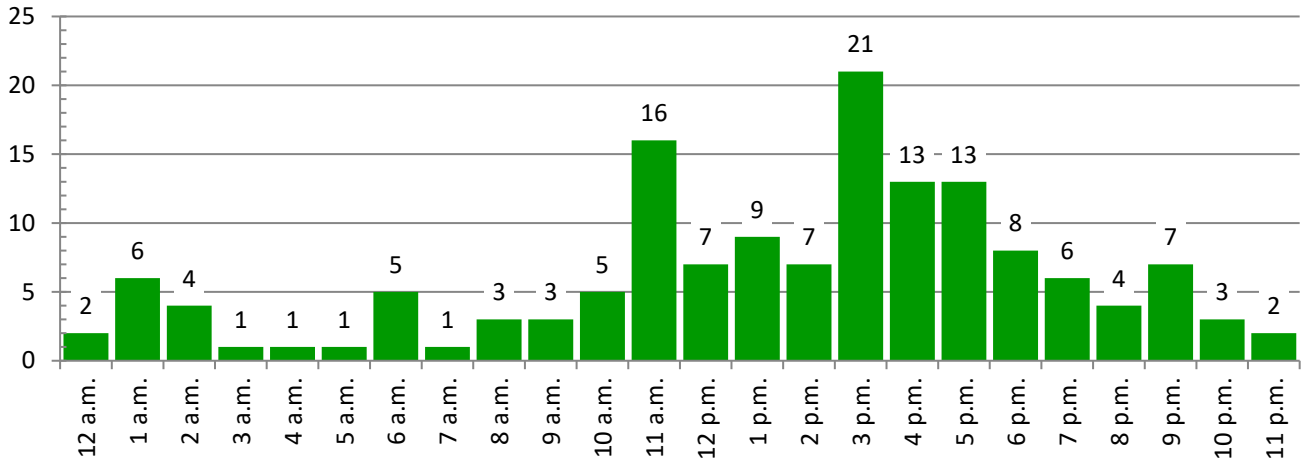
Variable Speed Limit Sign (VSL)		
VSL are speed limits that change based on road, traffic, and weather conditions.	23	21

Motor Vehicle Detection System (MVDS)		
MVDS are sensors that collect speed and volume data.	39	39

Summary

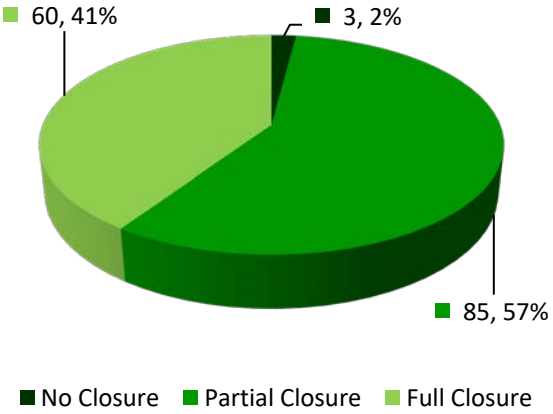
	Current Month	2022 Total
Unplanned Incidents	**Total Unplanned Incidents**	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	148	1,009
Planned Incidents	**Total Planned Incidents**	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	509	2,373
Communication	**Total Calls**	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,959	30,250
Work Zones Communication	**Total Construction Calls**	
Construction related activities or communication that's outside of planned incidents.	2,724	12,172
DMS Messages	**Total Messages**	
All changes to DMS are logged and reviewed.	22,661	101,423
Public Outreach	**Total NHTMC.com Webpage Users**	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	902	7,535
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	7

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

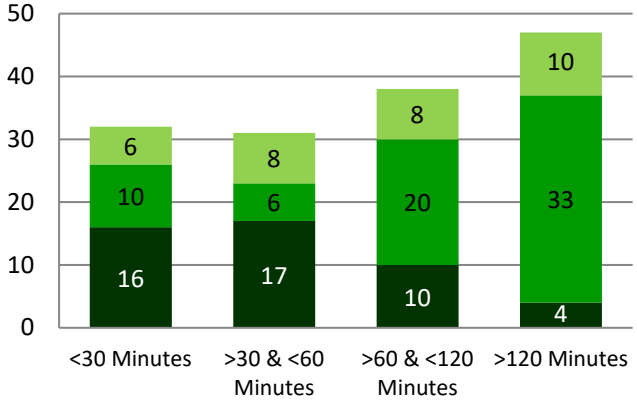


This graph shows the type of incident totals for the month.

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.

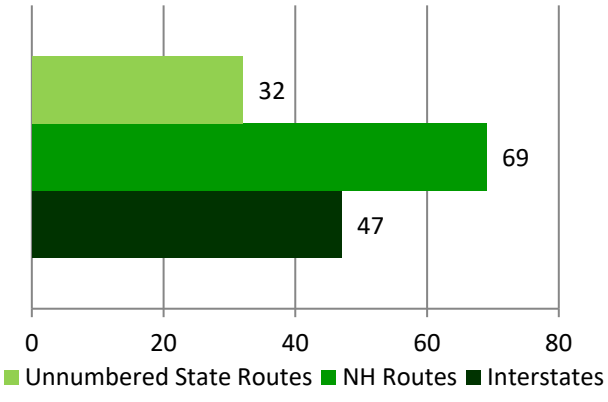
Current Month - Incident Duration

This graph shows the duration history of incidents.

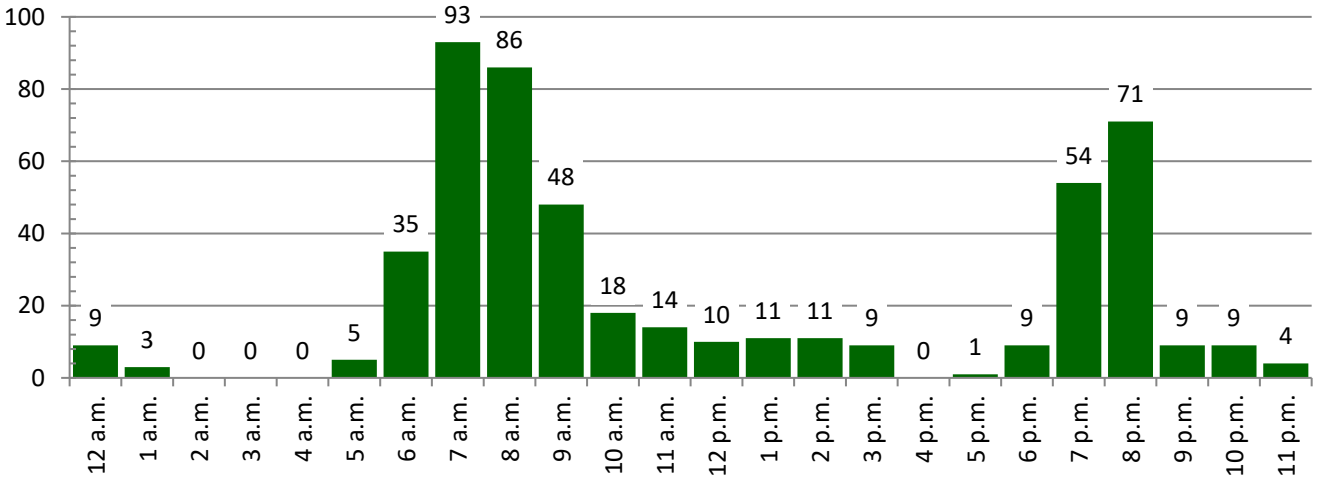


Current Month - Incident by Road

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

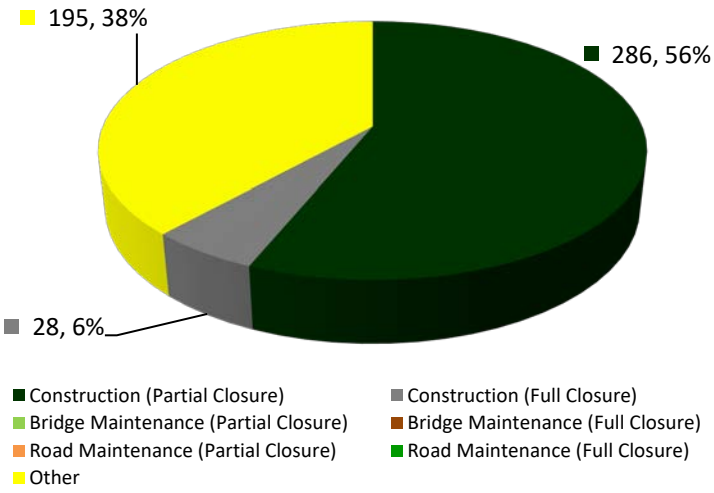


Planned Events



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

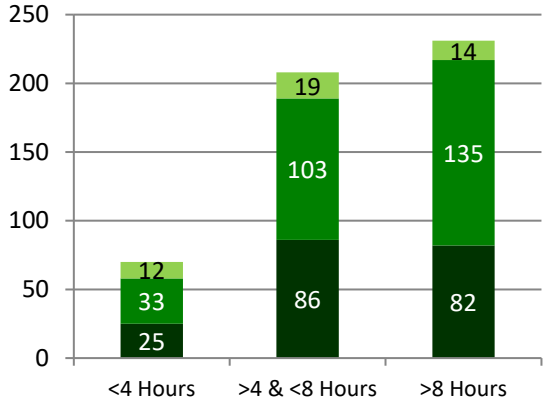


This graph shows the type of incident totals for the month.

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

This graph shows the duration history of incidents.



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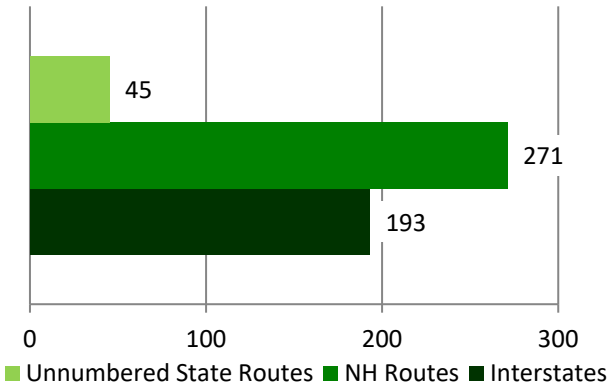
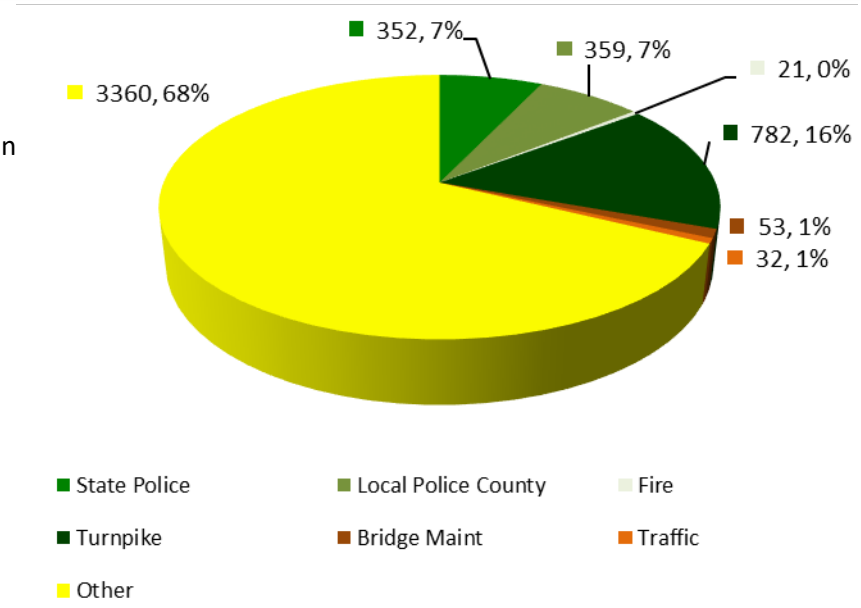


Communication

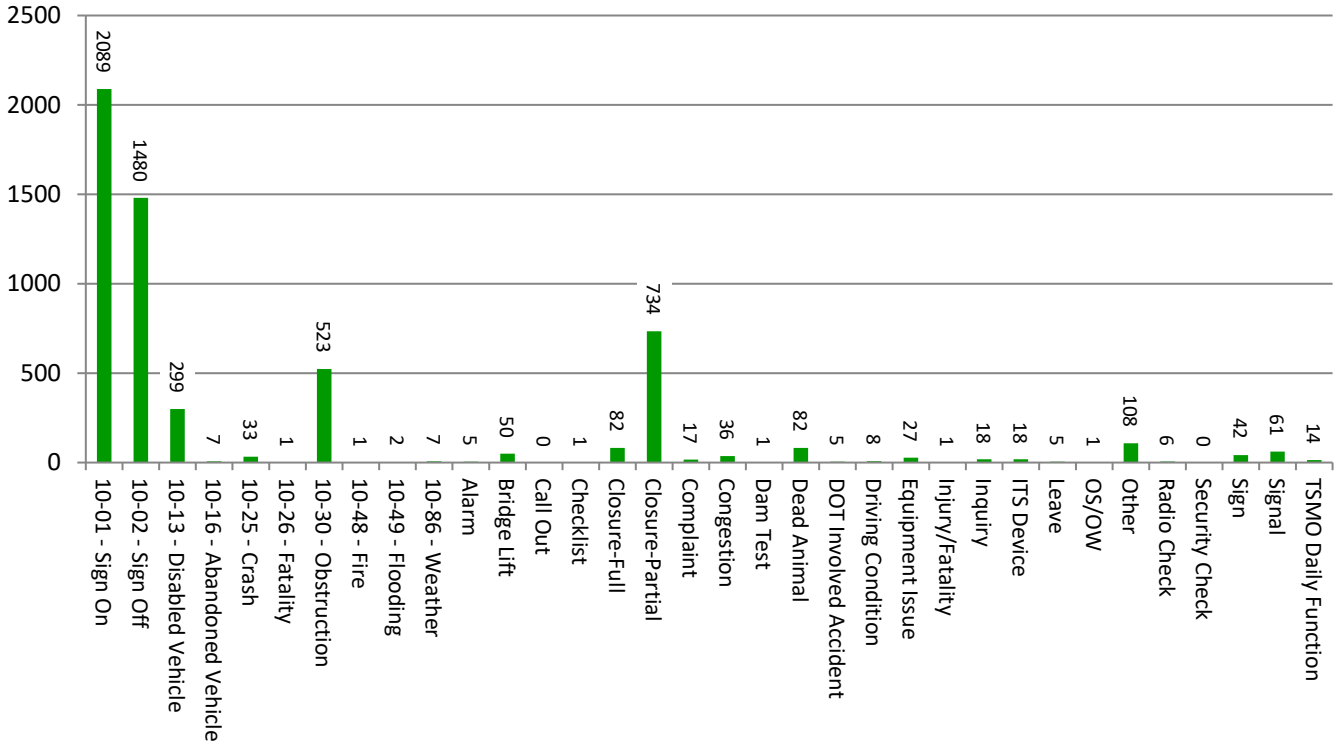
Current Month - Calls by Type

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



Log Entries by Type

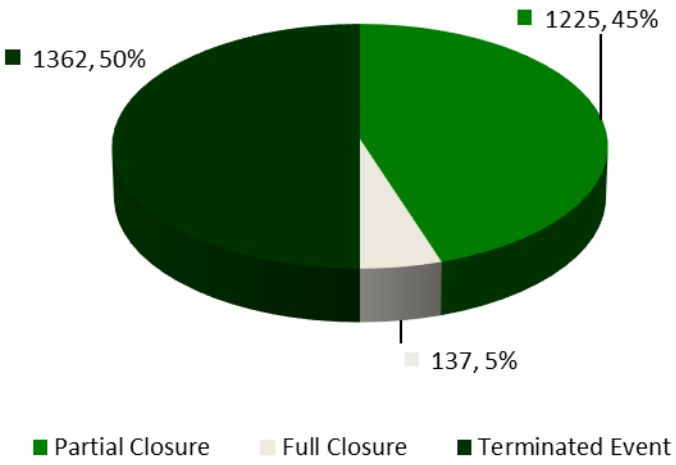
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

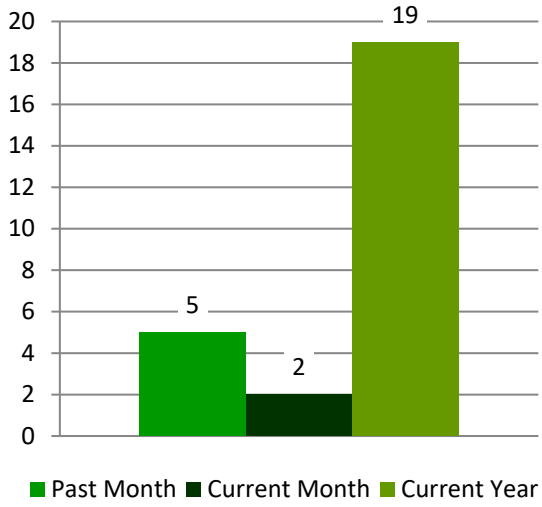
Current Month – Construction Calls

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

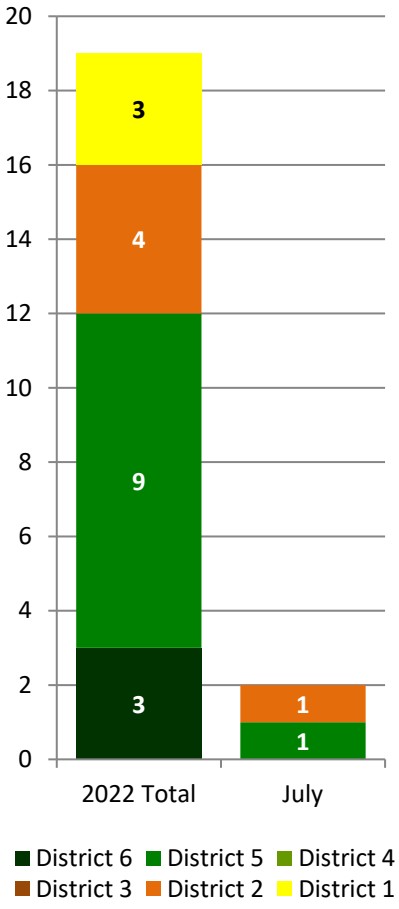


Incidents Occurring in Work Zones

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

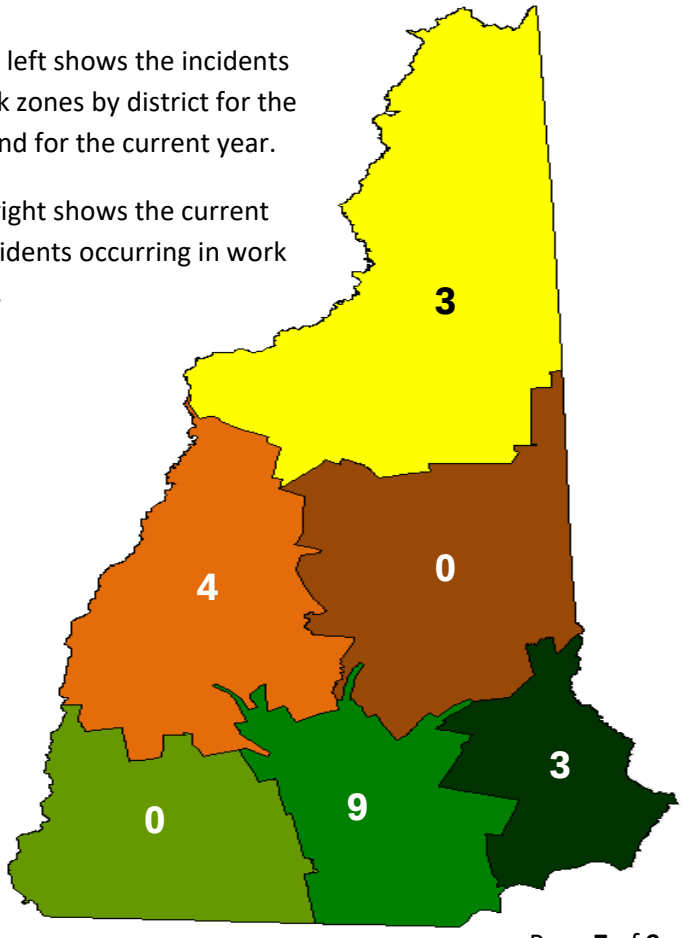


Incidents Occurring in Work Zones by Location



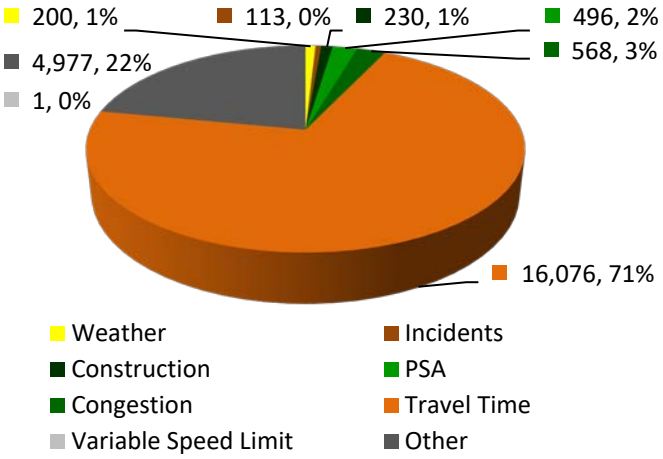
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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



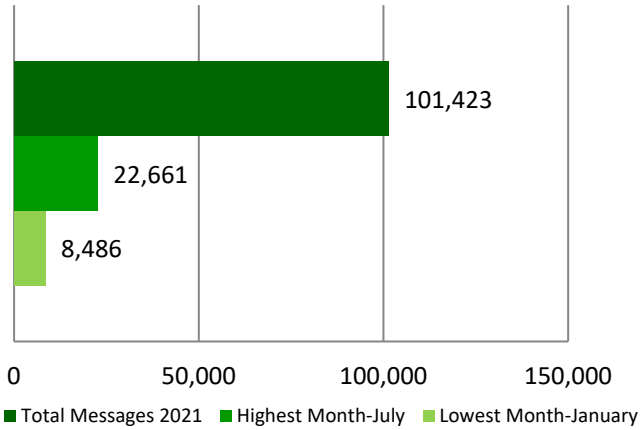
DMS Messages

Current Month - Messages by Type



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

Total Messages - 2022



This graph shows the total messages that were posted to DMS for the year so far.

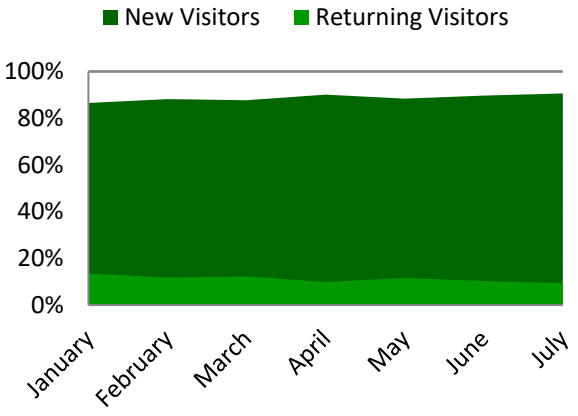
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	17	**93 S 25.6 PSVT - SWZ - M03**	12	**ST N 16.2 PSVT - SWZ - M06**	198
101 E 53 PSWC - SWZ - M04	2	**93 S 26.4 PSVT - SWZ - M02**	12	**ST N 16.7 PSVT - SWZ - M05**	182
101 W 54.3 PSWC - SWZ - M03	75	**93 S 27.4 PSVT - SWZ - M01**	15	**ST N 4.3 PSVT - SWZ - M01**	444
101E 114.8 FSV6	329	**93 S 31.9 PSVT - SWZ - M07**	88	**ST N 4.4 FSST**	20
101W 102.6 FSV5	7	**93 SM 17.8 VSL SE 5**	1	**ST N 5.0 PSVT - SWZ - M02**	220
101W 128 PSV6	18	**93N 23.4 FSD5**	1,371	**ST S 18.25 PSVT - SWZ - M07**	95
293 S 4.7 PSWC - SWZ - M02	35	**93N 26.9 PSVT**	35	**ST S 19.25 PSVT - SWZ - M08**	54
293 S 5.2 PSWC - SWZ - M01	32	**93N 32.9 FSST**	35	**ST S 24.4 FSVT**	361
293N 8.8 FSPT	1,381	**93N 36.2 FSVT**	34	**ST S 3.4 FSDT**	4,470
293S 1.4 FSD5	25	**93N 57.6 FSS3**	9	**ST S 6.6 PSVT - SWZ - M03**	2,042
293S 4.8 FSDT	18	**93N 76.4 FSV3**	19	**ST S 6.9 PSVT - SWZ - M04**	150
393 W 1.9 PSV5	9	**93N 82.6 FSV3**	42	**ST S 7.8 FSAT**	3,100
4 W 98.9 FSS6	3	**93N 99.6 FSA3**	48	**WA W 0.5 FSST**	7
4E 92.4 FSS6	9	**93S 117.6 FSA1**	33		
4E 98 FSA6	15	**93S 122.2 FSV1**	18		
89 N 23.2 PSV2 - SWZ - M01	186	**93S 23.4 FSD5**	281		
89 N 23.7 PSV2 - SWZ - M02	9	**93S 27.8 FSDT**	640		
89 N 26.4 PSV2 - SWZ - M03	275	**93S 32.4 FSVT**	20		
89 N 28.4 PSV2 - SWZ - M08	24	**93S 36.5 FSST**	14		
89 N 56.8 PSV2 - SWZ - M01	222	**93S 39.0 FSV5**	37		
89 N 57.2 PSV2 - SWZ - M02	39	**93S 43.3 PSV5**	16		
89 N 59.8 PSV2 - SWZ - M03	28	**93S 48.0 FSV5**	37		
89 S 28.0 PSV2 - SWZ - M07	7	**93S 68.8 FSV3**	21		
89 S 31.0 PSV2 - SWZ - M09	14	**93S 7.2 FSD5**	121		
89 S 58.7 PSV2 - SWV - M07	10	**93S 85.4 FSV3**	23		
89 S VT 0.9 PSV VT - SWZ - M05	19	**95N 0.4 FSVT**	492		
89N 1.8 FSV5	161	**95N 13.0 FSVT**	32		
89N 18.4 FSS5	19	**95N 14.8 FSDT**	33		
89N 35.5 FSV2	19	**95N 3.0 FSDT**	1,009		
89N 54.9 FSS2	26	**95N 4.8 PSVT**	36		
89S 10.8 FSV5	400	**95S 15.4 FSDT**	1,062		
89S 3.4 FSV5	903	**95S 3.4 FSPT**	31		
89S 55.0 PSV2	10	**95S 7.2 PSVT**	23		
89S 57.7 FSS2	24	**95S 7.6 FSDT**	508		
91 N VT 69.1 PSV VT - SWZ - M06	17	**FEE N 1.2 FSVT**	28		
91 S VT 70.6 PSV VT - SWZ - M04	16	**FEE N 15.2 PSWC - SWZ - M07**	24		
93 N 0.5 FSDT	148	**FEE N 17.5 PSWC - SWZ - M06**	2		
93 N 7.5 FSD5	158	**FEE N 18.0 PSWC - SWZ - M05**	22		
93 S 22.6 PSVT - SWZ - M06	62	**FEE S 3.8 FSDT**	10		
93 S 23.3 PSVT - SWZ - M05	10	**FEE S 8.6 FSPT**	7		
93 S 25.1 PSVT - SWZ - M04	12	**ST N 1.0 FSAT**	224		

Public Outreach

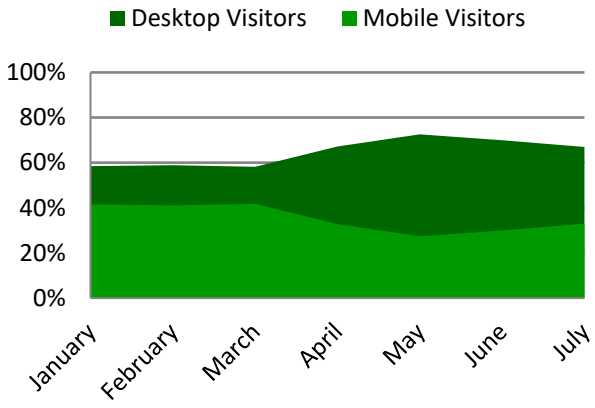
902 Users (Current Month) - NHTMC Website (www.nhtmc.com)

New/Returning 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.

Desktop/Mobile Visitors



This graph shows the ratio of desktop/mobile visitors that accessed the NHTMC website.

Spaulding | I-293 | I-95 | I-89 | Everett | I-93 | NH 101 | NH/US Routes

43,783 Total Twitter Followers