

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

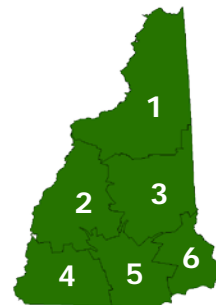
Transportation excellence enhancing the quality of life in New Hampshire.

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

2017 Total 2018 Total

CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.

91

97



Dynamic Message Signs (DMS)

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

52

56

16¹

16¹

20²

20²



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)

A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.

24

24

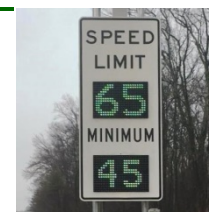


Variable Speed Limit Sign (VSL)

VSL are speed limits that change based on road, traffic, and weather conditions.

19

20



Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

5

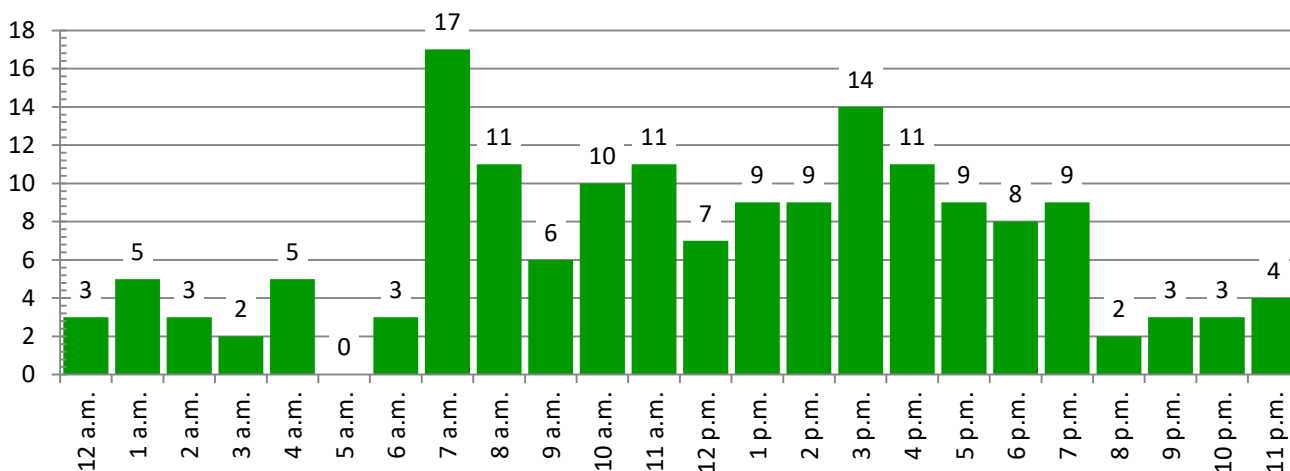
7



Summary

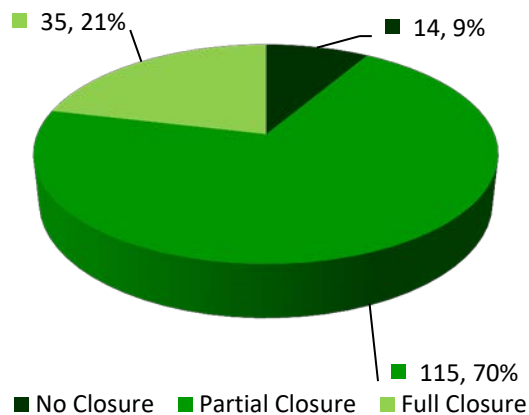
	Current Month	2018 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	164	1,800
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	449	4,012
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,841	32,051
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,352	8,644
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	19,793	137,416
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,066	16,998
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	4

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



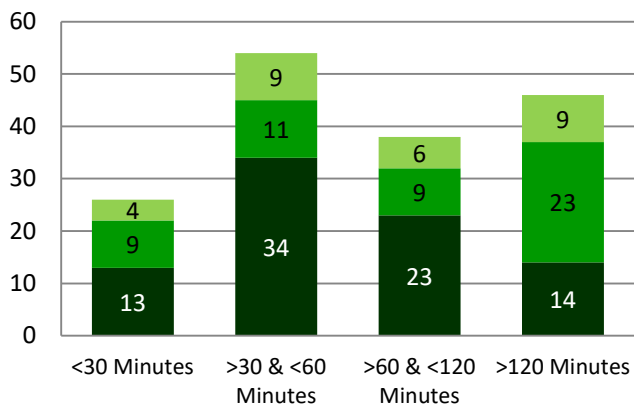
This graph shows the type of incident totals for the month.

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.

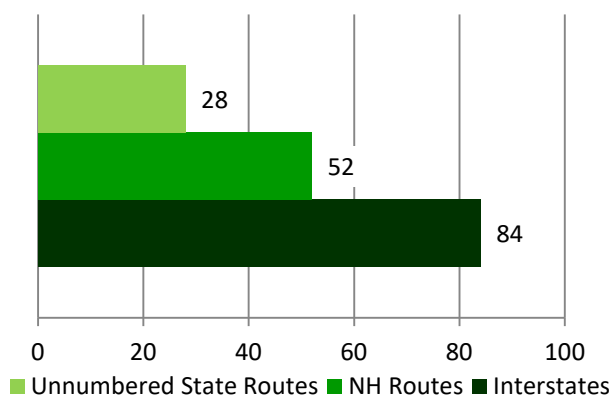
Current Month - Incident Duration

This graph shows the duration history of incidents.

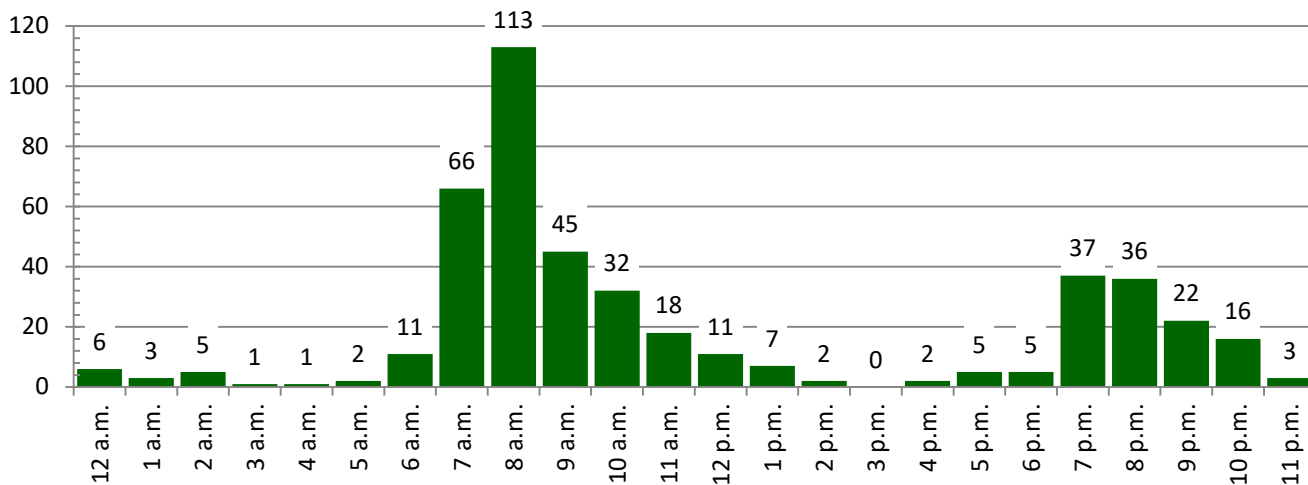


Current Month - Incident by Road

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

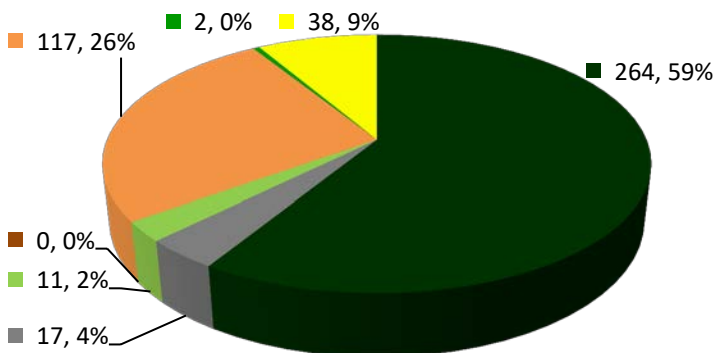


Planned Events



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



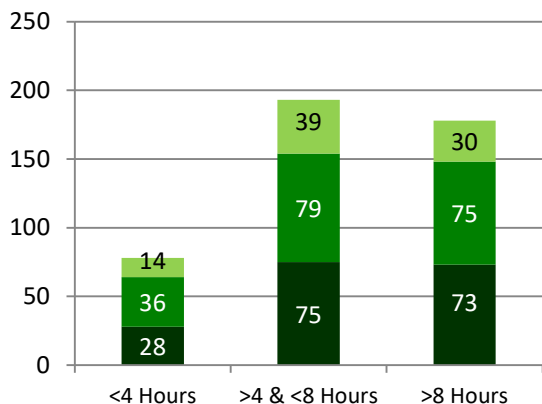
This graph shows the type of incident totals for the month.

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

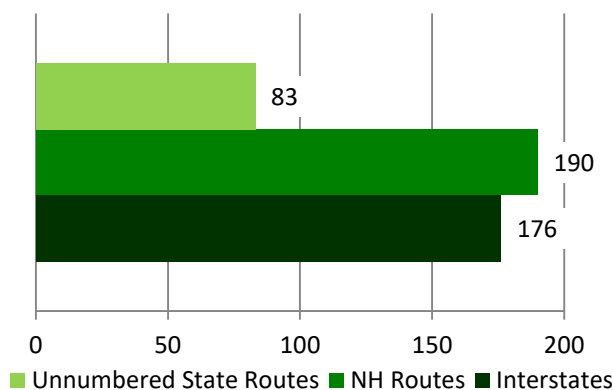
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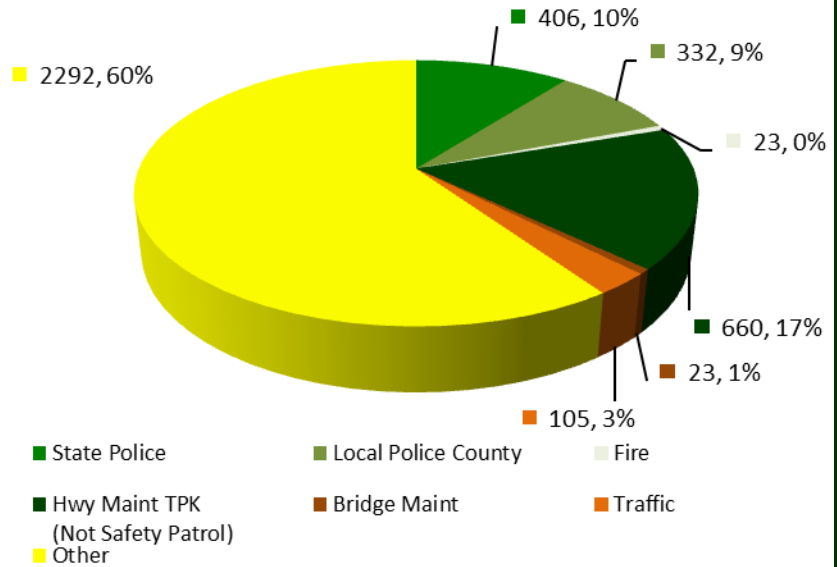
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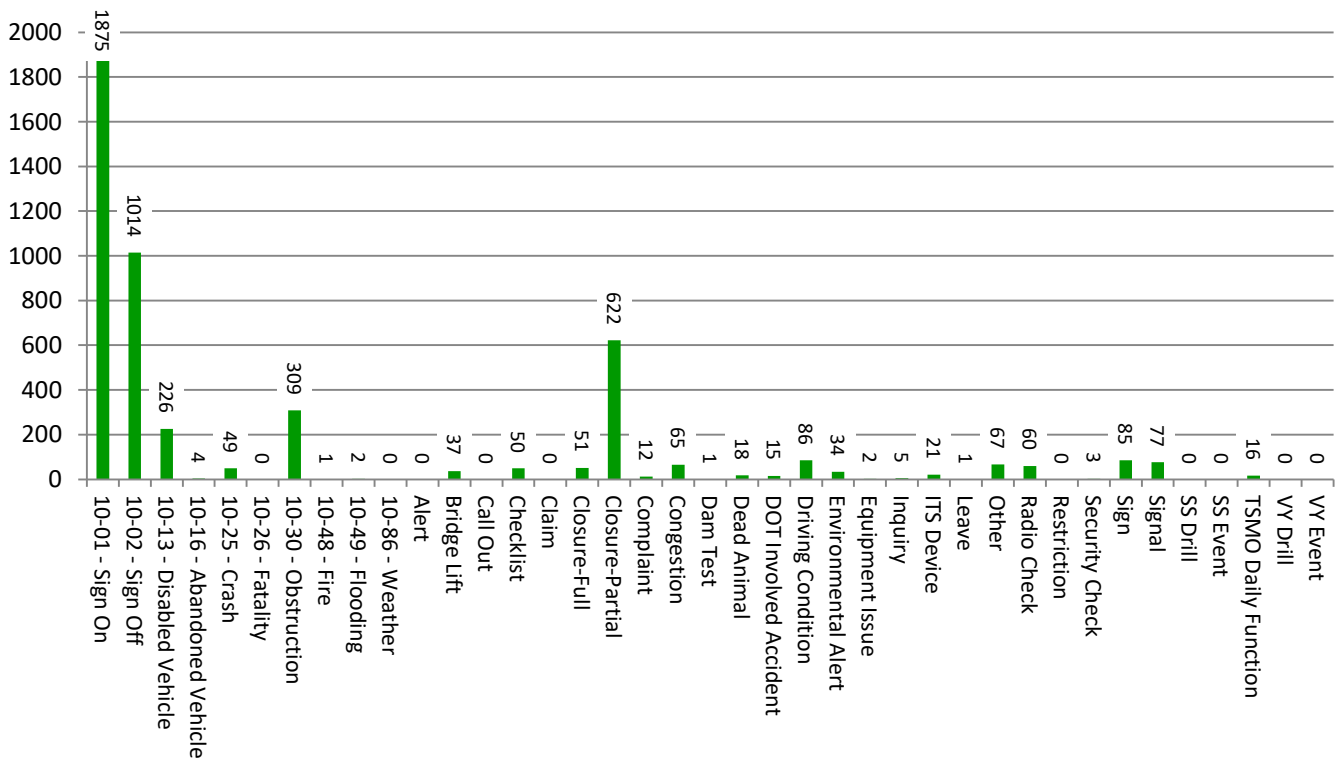
Current Month - Calls by Type

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



Log Entries by Type

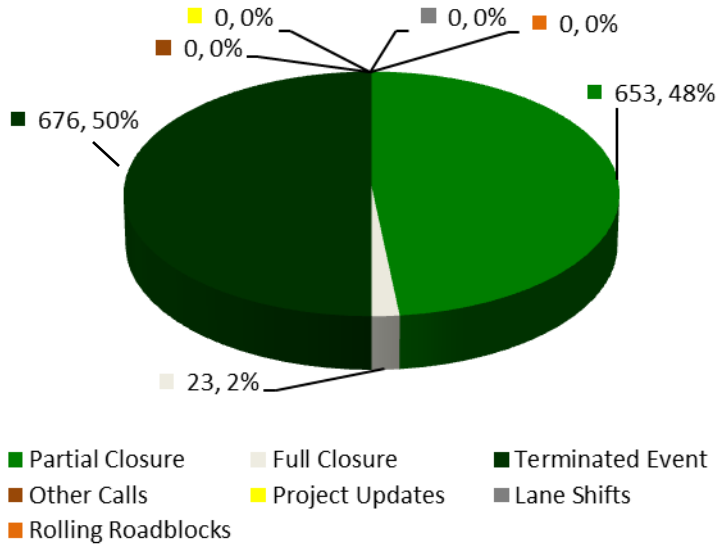
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

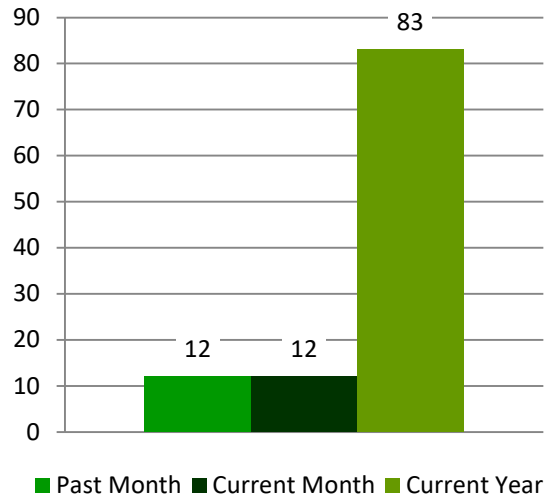
Current Month – Construction Calls

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

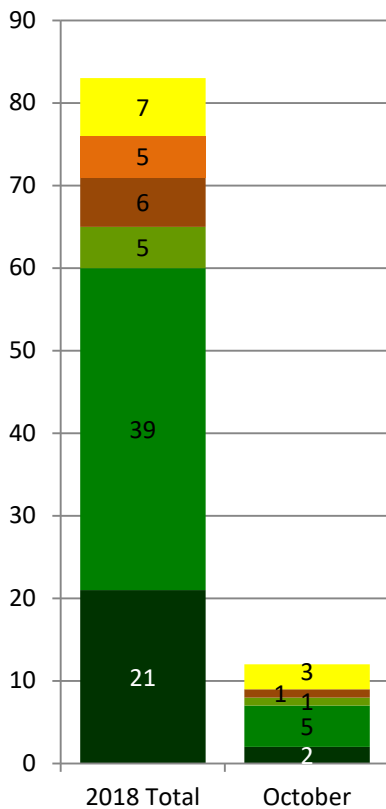


Incidents Occurring in Work Zones

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

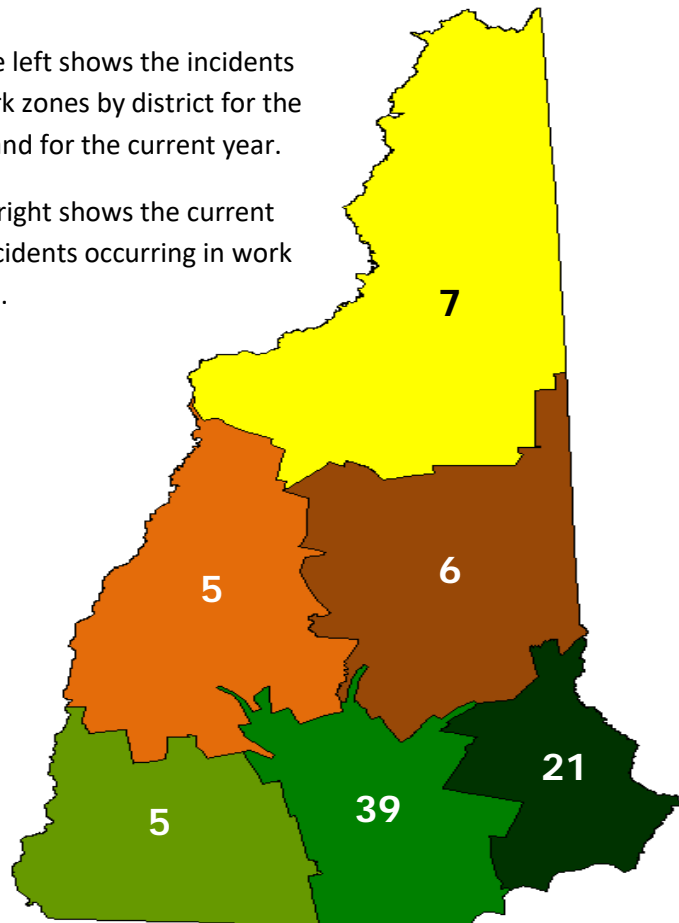


Incidents Occurring in Work Zones by Location



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

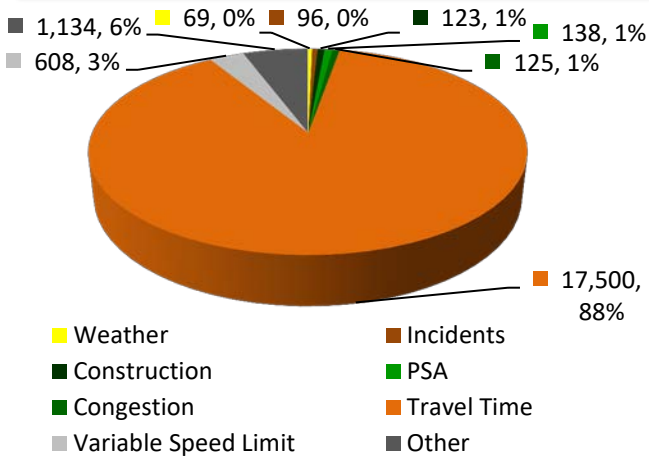
The map to the right shows the current year total for incidents occurring in work zones by district.



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

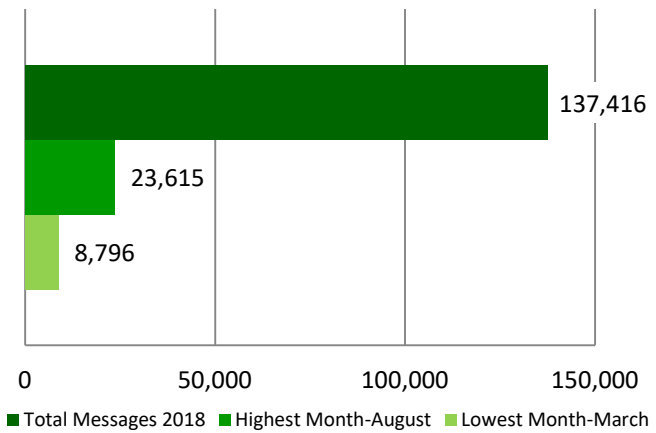
DMS Messages

Current Month - Messages by Type



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

Total Messages - 2017



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

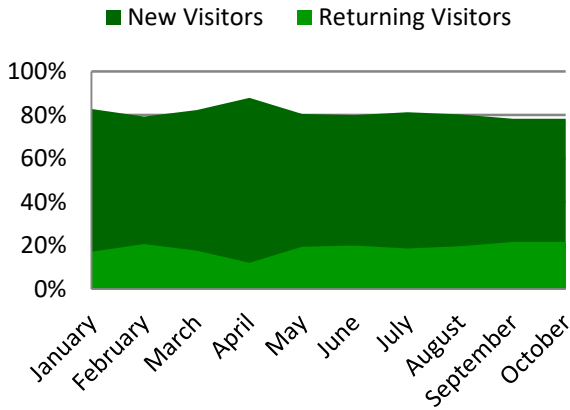
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	28	93 S 5.2 VSL D5	26	93S 48.0 FSV5	28
101 WM 100.5 VSL D 5	28	93 SM 19.8 VSL D 5	28	93S 5.2 PCMS - SWZ M09	54
101E 114.8 FSV6	195	93 SM 2.2 VSL D 5	30	93S 68.8 FSV3	31
101E 130 FSA6	536	93 SM 5.2 VSL D5	26	93S 7.2 FSD5	343
101E 53.4 FSV5	35	93N 0.0 PCMS - SWZ M01	127	93S 85.4 FSV3	25
101W 102.6 FSV5	17	93N 0.3 FSD5	1,067	93S 99.2 FSA3	40
101W 128 PSV6	17	93N 1.35 PCMS - SWZ M07	123	95N 0.4 FSVT	312
293 S 1.4 VSL D 5	30	93N 10.95 PCMS - SWZ M04	65	95N 13.0 FSVT	25
293N 8.8 FSPT	672	93N 14.8 PCMS - SWZ M05	45	95N 14.8 FSDT	22
293S 1.4 FSD5	33	93N 16.0 VSL D5	29	95N 3.0 FSDT	281
293S 2.2 PCMS - SWZ M06	146	93N 16.0 VSL D5 Median	28	95S 15.4 FSDT	6
393 W 1.9 PSV5	17	93N 2.6 PCMS - SWZ M03	110	95S 3.4 FSPT	7
4E 98 FSA6	10	93N 23.4 FSD5	499	95S 7.6 FSDT	261
89N 1.8 FSV5	171	93N 32.4 FSVT	72	FEE N 1.2 FSVT	1,153
89N 18.4 FSV5	888	93N 36.2 FSVT	27	FEE N 18.8 FSVT	52
89N 35.5 FSV2	24	93N 57.6 FSV3	28	FEE S 8.6 FSPT	9
89N 55.0 PSV2	18	93N 7.2 FSD5	897	ST N 1.0 FSAT	1,004
89S 10.8 FSV5	443	93S 117.6 FSA1	1	ST S 11.6 FSA6	399
89S 3.4 FSV5	854	93S 122.2 FSV1	13	ST S 24.4 FSVT	625
89S 55.0 PSV2	30	93S 13.8 PCMS - SWZ M11	55	ST S 3.4 FSDT	2,416
89S 57.5 PSV2	13	93S 14.4 VSL D5	82	ST S 7.8 FSAT	1,903
93 N 0.3 VSL D 5	26	93S 14.4 VSL D5 Median	82		
93 N 2.35 VSL D 5	26	93S 15.85 PCMS - SWZ M12	63		
93 N 3.8 VSL D5	17	93S 2.6 PCMS - SWZ M08	43		
93 N 6.6 VSL D5	26	93S 20.1 PCMS - SWZ M13	64		
93 NM 2.35 VSL D 5	15	93S 23.4 FSD5	835		
93 NM 3.8 VSL D5	17	93S 27.8 FSDT	1,871		
93 NM 6.6 VSL D5	26	93S 32.4 FSVT	22		
93 S 19.8 VSL D 5	10	93S 39.0 FSV5	27		
93 S 2.2 VSL D 5	28	93S 43.3 PSV5	16		

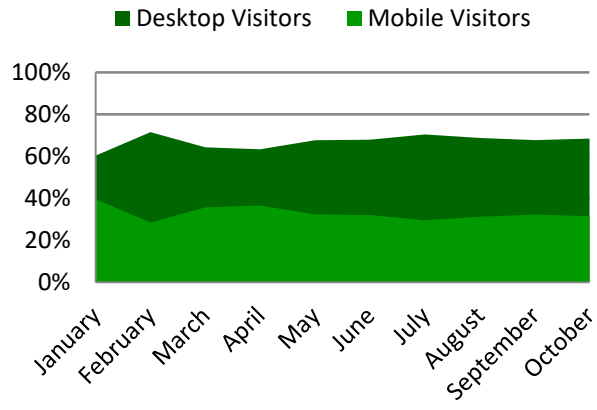
Public Outreach

1,066 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.



35,948 Twitter Followers

