

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

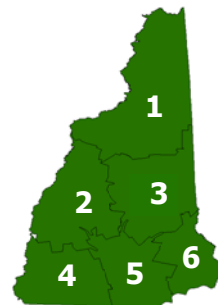
Transportation excellence enhancing the quality of life in New Hampshire.

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

2018 Total	2019 Total
97	103

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



Dynamic Message Signs (DMS)

2018 Total	2019 Total
56	55
16 ¹	16 ¹
20 ²	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)

2018 Total	2019 Total
24	25

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



Variable Speed Limit Sign (VSL)

2018 Total	2019 Total
20	18

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



Motor Vehicle Detection System (MVDS)

2018 Total	2019 Total
7	8

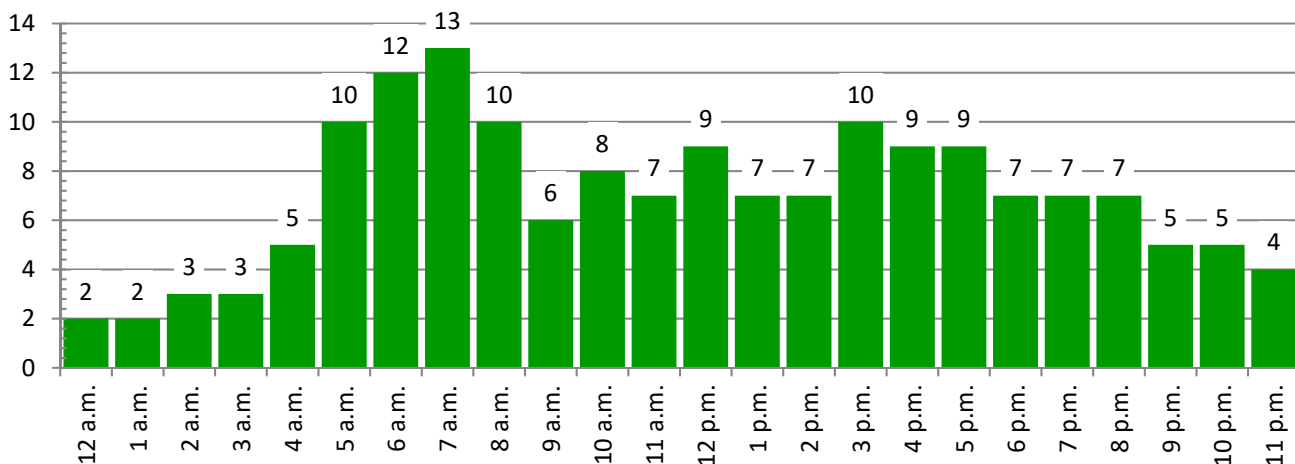
MVDS are sensors that collect speed and volume data.



Summary

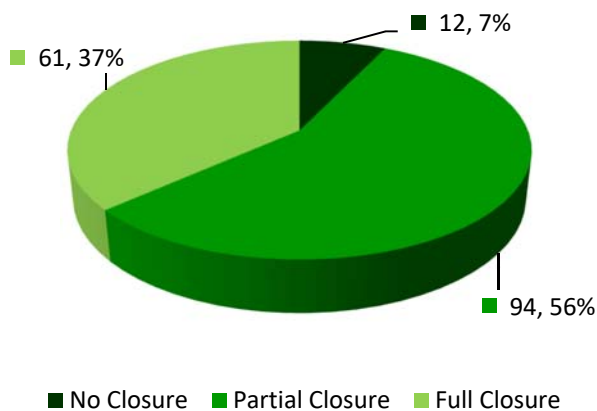
	Current Month	2019 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	167	1,491
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	365	3,292
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,907	38,166
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,936	17,364
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	24,492	222,968
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,327	14,063
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	3

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



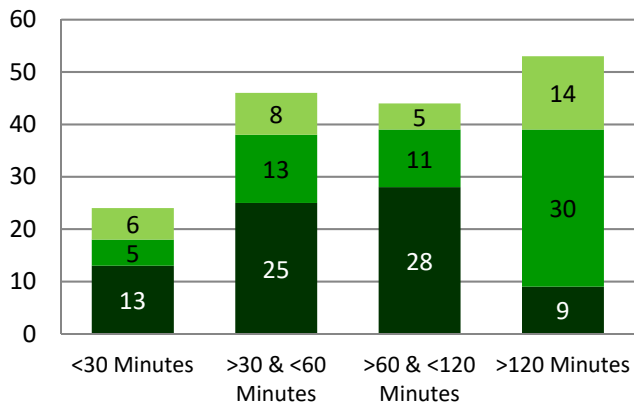
This graph shows the type of incident totals for the month.

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.

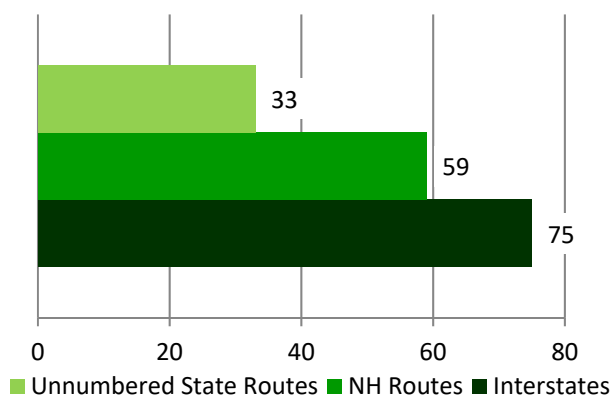
Current Month - Incident Duration

This graph shows the duration history of incidents.

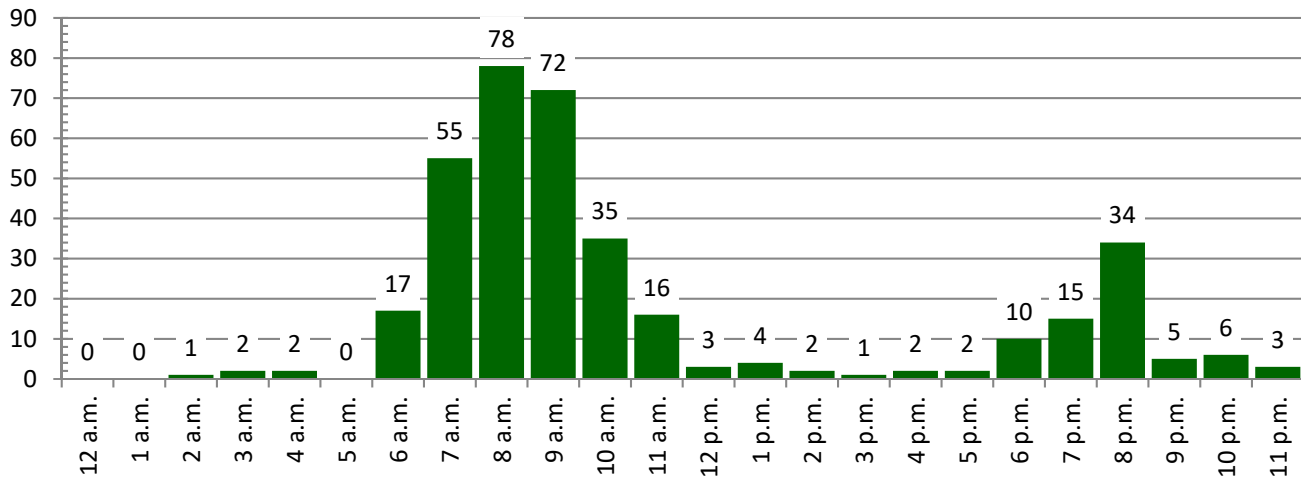


Current Month - Incident by Road

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

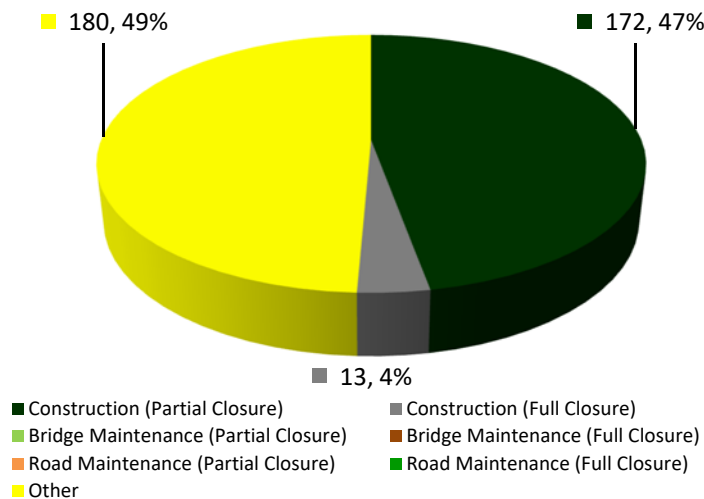


Planned Events



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

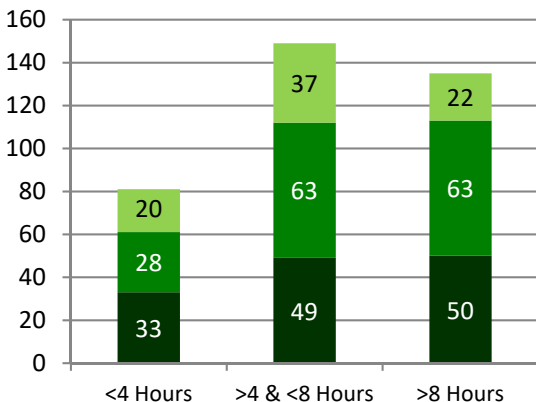


This graph shows the type of incident totals for the month.

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.

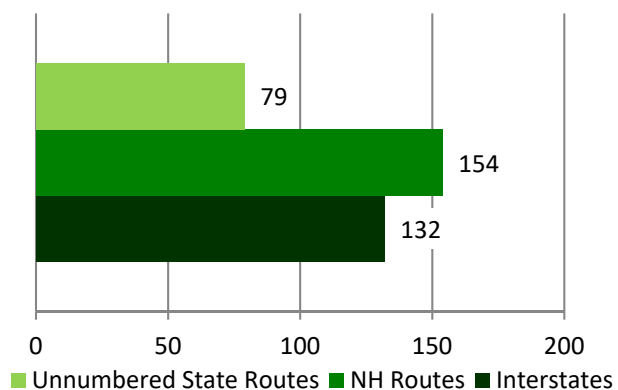
Current Month - Incident Duration

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Current Month - Incident by Road

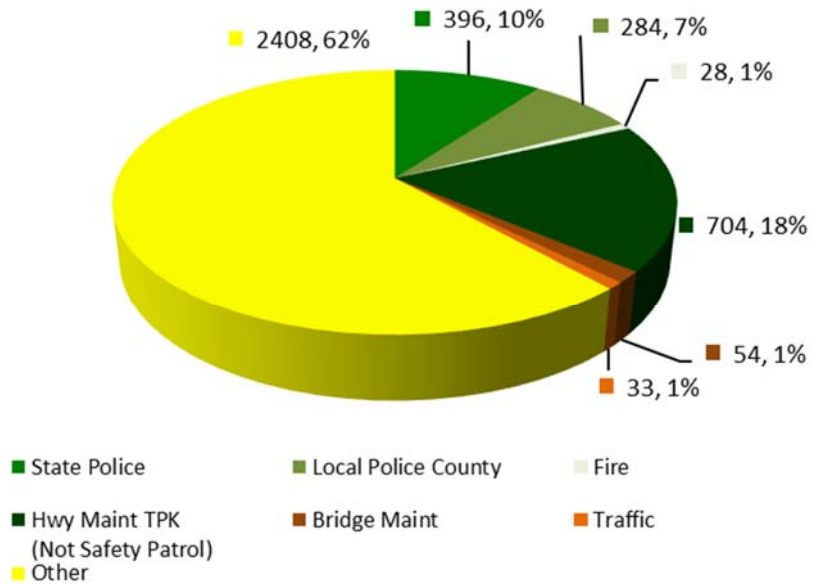
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Communication

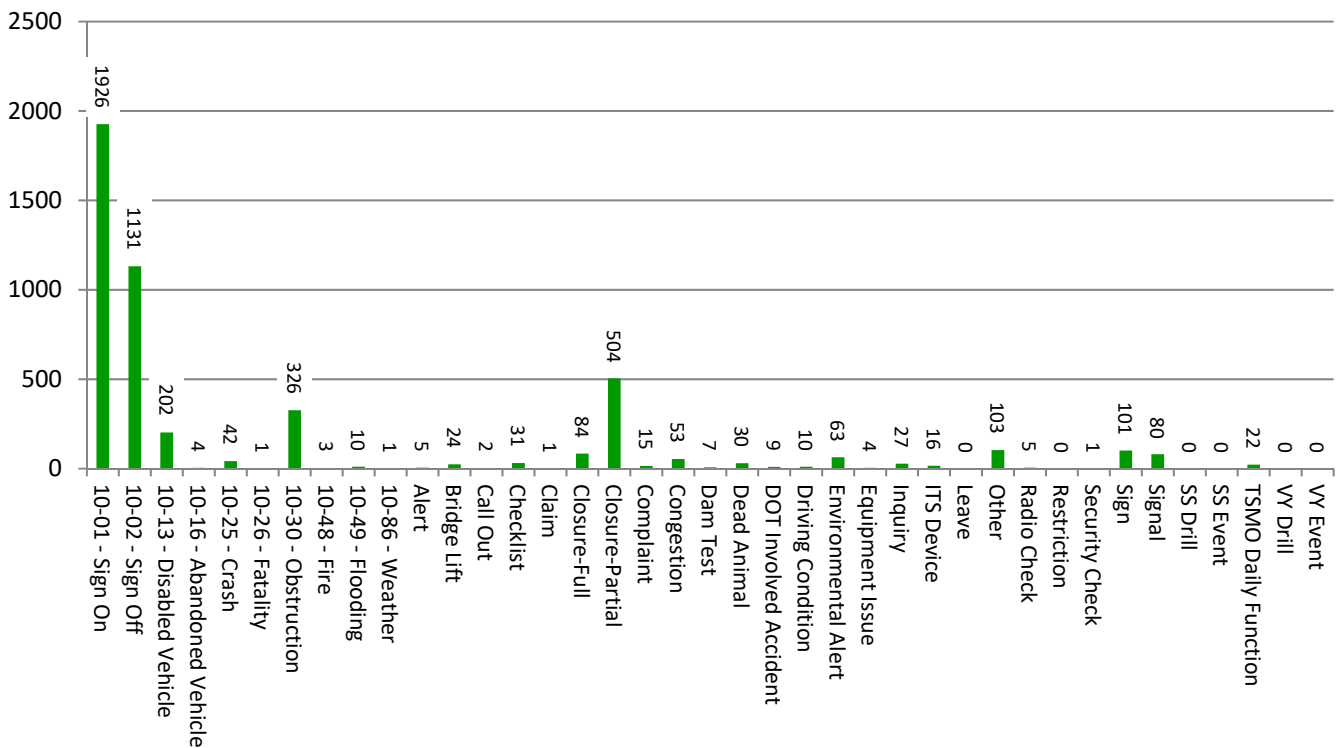
Current Month - Calls by Type

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



Log Entries by Type

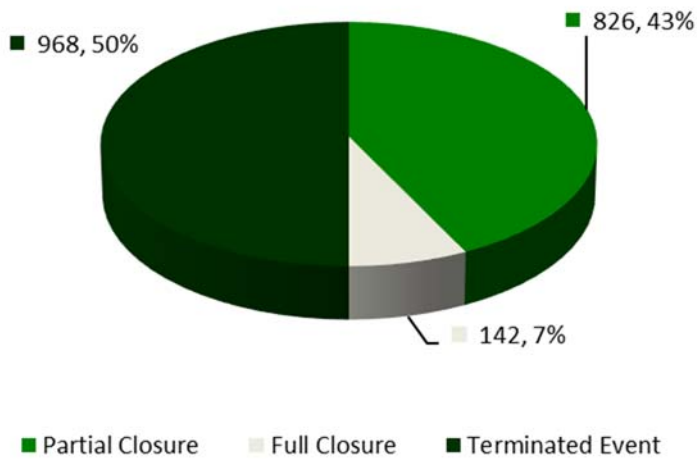
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

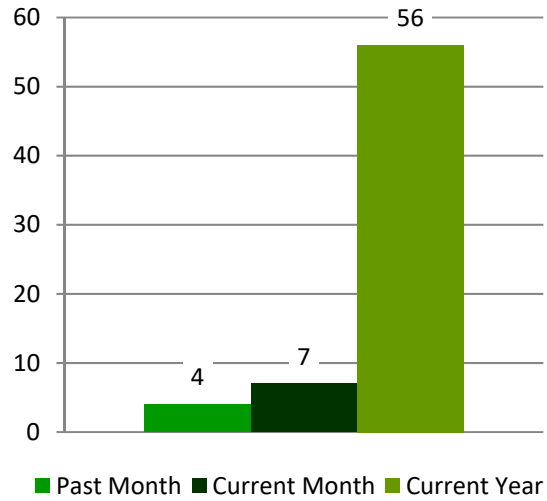
Current Month – Construction Calls

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

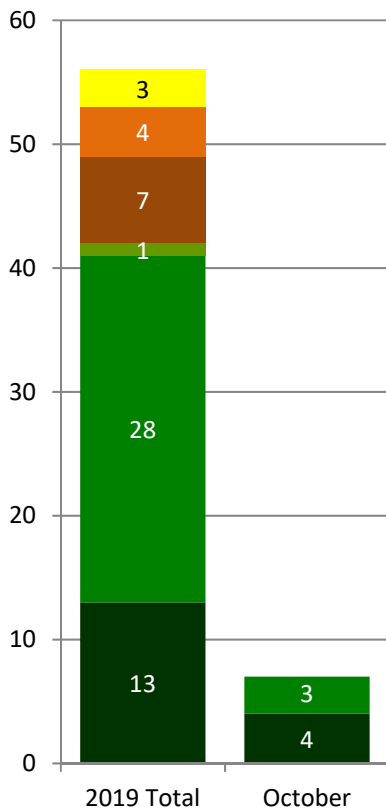


Incidents Occurring in Work Zones

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

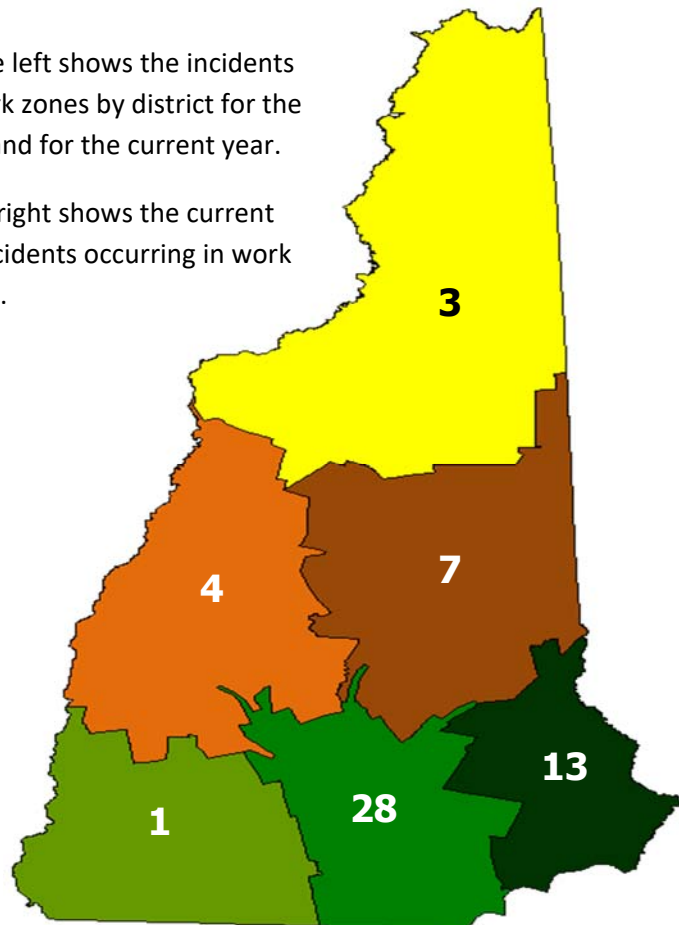


Incidents Occurring in Work Zones by Location



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

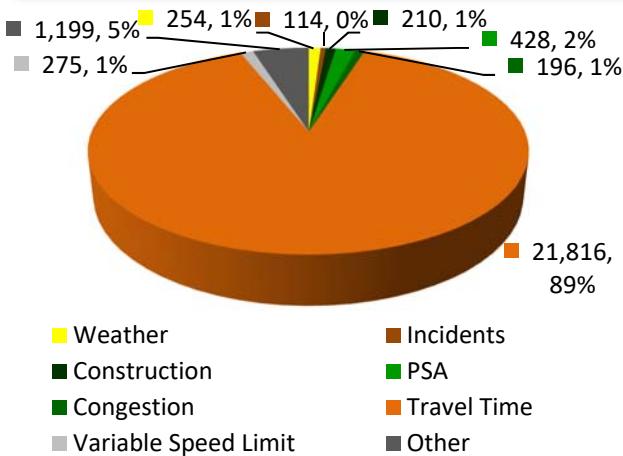
The map to the right shows the current year total for incidents occurring in work zones by district.



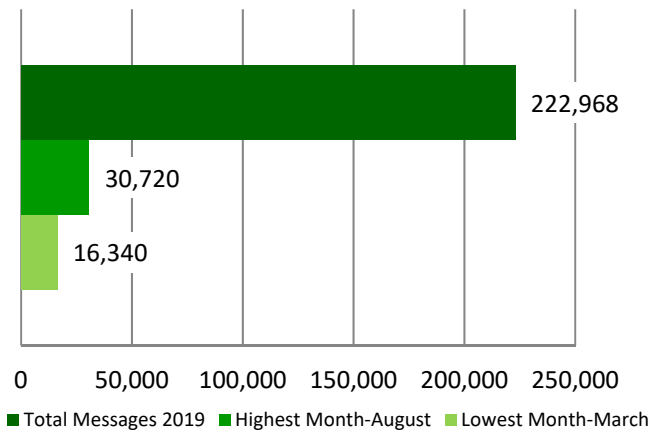
■ District 6
 ■ District 5
 ■ District 4
■ District 3
 ■ District 2
 ■ District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 2019



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.

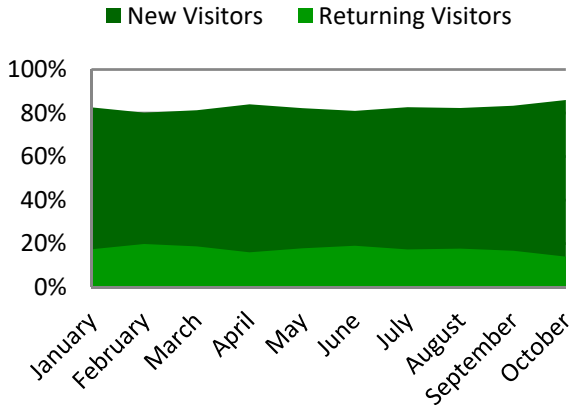
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	1	93 SM 5.2 VSL D5	1	95N 4.6 PSVT	23
101 WM 100.5 VSL D 5	1	93N 0.0 PCMS - SWZ M01	1,331	95S 15.4 FSDT	384
101E 114.8 FSV6	68	93N 0.3 FSD5	1,044	95S 3.4 FSPT	1
101E 130 FSA6	134	93N 1.35 PCMS - SWZ M07	1,251	95S 7.1 PSVT	18
101E 53.4 FSV5	240	93N 10.95 PCMS - SWZ M04	834	95S 7.6 FSDT	170
101W 102.6 FSV5	5	93N 14.8 PCMS - SWZ M05	522	FEE N 1.2 FSVT	70
101W 128 PSV6	10	93N 16.0 VSL D5	1	FEE N 18.8 FSVT	192
293 N 0.9 PCMS - SWZ M04	173	93N 16.0 VSL D5 Median	1	FEE S 8.6 FSPT	7
293 S 1.4 VSL D 5	1	93N 2.6 PCMS - SWZ M03	1,327	ST N 1.0 FSAT	518
293N 8.8 FSPT	1,068	93N 23.4 FSD5	1,081	ST S 11.6 FSA6	435
293S 1.4 FSD5	21	93N 27.0 PSVT	19	ST S 24.4 FSVT	602
293S 2.2 PCMS - SWZ M06	1,381	93N 32.4 FSVT	62	ST S 3.4 FSDT	1,211
293S 4.8 FSVT	20	93N 36.2 FSVT	54	ST S 7.8 FSAT	291
393 W 1.9 PSV5	13	93N 57.6 FSS3	14	WA W 0.5 FSST	7
4E 92.4 FSS6	10	93N 7.2 FSD5	214		
4E 98 FSA6	2	93N 76.4 FSV3	2		
89N 1.8 FSV5	176	93N 99.6 FSA3	19		
89N 15.5 PCMS - SWZ M01	5	93S 117.6 FSA1	9		
89N 15.9 PCMS - SWZ M-02	4	93S 122.2 FSV1	3		
89N 18.4 FSV5	409	93S 13.8 PCMS - SWZ M11	903		
89N 28.8 PSP2	1	93S 14.4 VSL D5	70		
89N 35.5 FSV2	8	93S 14.4 VSL D5 Median	72		
89N 43.8 PSV2	2	93S 15.85 PCMS - SWZ M12	987		
89N 54.9 FSS2	11	93S 2.6 PCMS - SWZ M08	486		
89S 10.8 FSV5	1	93S 20.1 PCMS - SWZ M13	1,089		
89S 20.6 PCMS - SWZ M-04	2	93S 23.4 FSD5	780		
89S 21.1 PCMS - SWZ M-03	4	93S 27.8 FSDT	1,725		
89S 3.4 FSV5	1,091	93S 30.4 PSVT	17		
89S 42.6 PSV2	2	93S 32.4 FSVT	32		
89S 55.0 PSV2	12	93S 39.0 FSV5	58		
89S 57.7 FSS2	242	93S 43.3 PSV5	12		
93 N 0.3 VSL D 5	1	93S 48.0 FSV5	18		
93 N 2.35 VSL D 5	1	93S 5.2 PCMS - SWZ M09	655		
93 N 3.8 VSL D5	1	93S 68.8 FSV3	22		
93 N 6.6 VSL D5	61	93S 7.2 FSD5	207		
93 NM 2.35 VSL D 5	1	93S 85.4 FSV3	8		
93 NM 3.8 VSL D5	1	93S 99.2 FSA3	34		
93 NM 6.6 VSL D5	58	95N 0.4 FSVT	92		
93 S 2.2 VSL D 5	1	95N 13.0 FSVT	54		
93 S 5.2 VSL D5	1	95N 14.8 FSDT	49		
93 SM 2.2 VSL D 5	1	95N 3.0 FSDT	159		

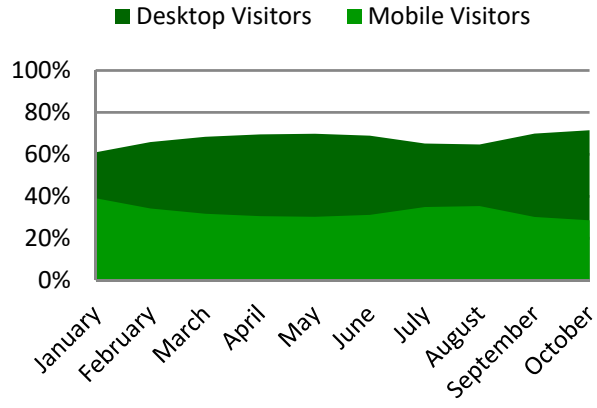
Public Outreach

1,327 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.



39,150 Total Twitter Followers

