

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

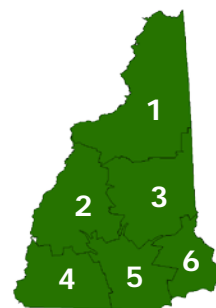
Transportation excellence enhancing the quality of life in New Hampshire.

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

2020 Total

2021 Total

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

119

143



Dynamic Message Signs (DMS)

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

56

57

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.

25

37



Variable Speed Limit Sign (VSL)

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

18

23



Motor Vehicle Detection System (MVDS)

MVDS are sensors that collect speed and volume data.

19

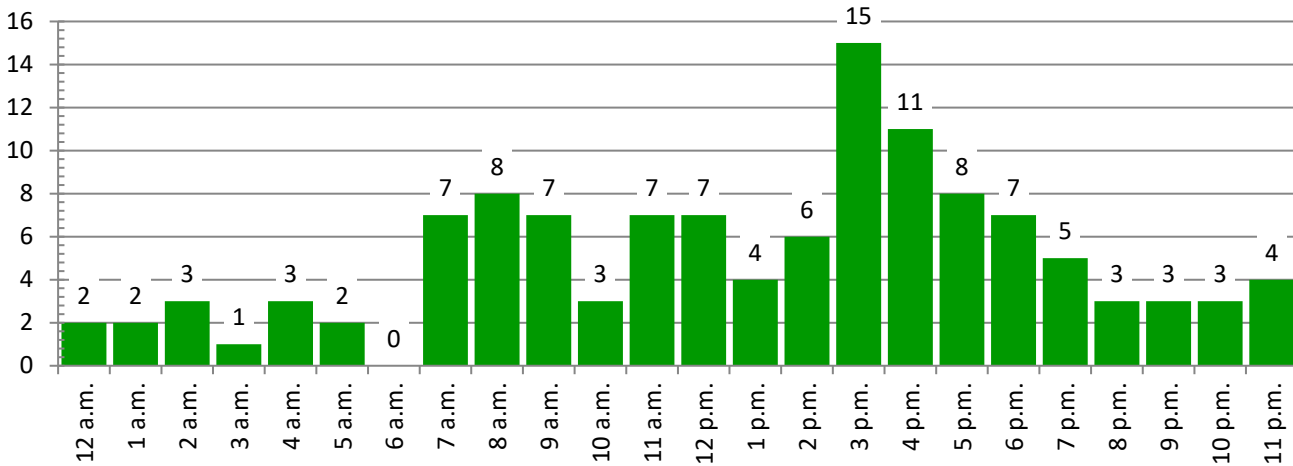
39



Summary

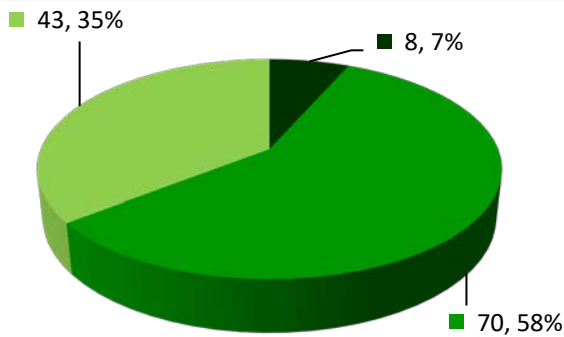
	Current Month	2021 Total
Unplanned Incidents	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	121	1,419
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	142	3,483
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,793	44,768
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,026	17,260
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	11,110	175,994
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,052	15,222
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	1

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.

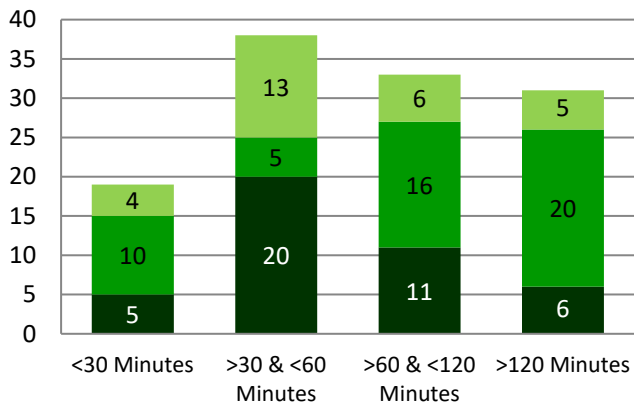
Partial Closure: Only a part of the roadway was closed.

Full Closure: All lanes were closed during the incident.

■ No Closure ■ Partial Closure ■ Full Closure

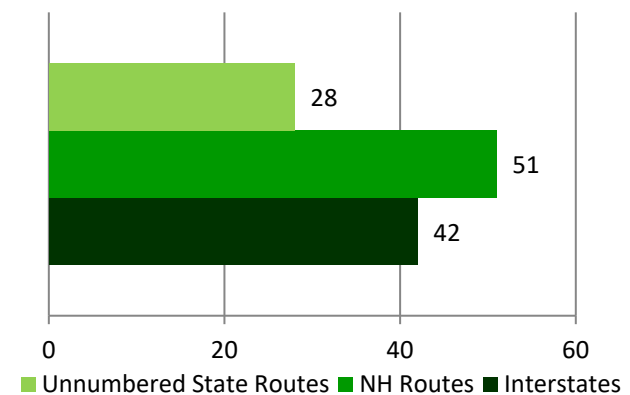
Current Month - Incident Duration

This graph shows the duration history of incidents.

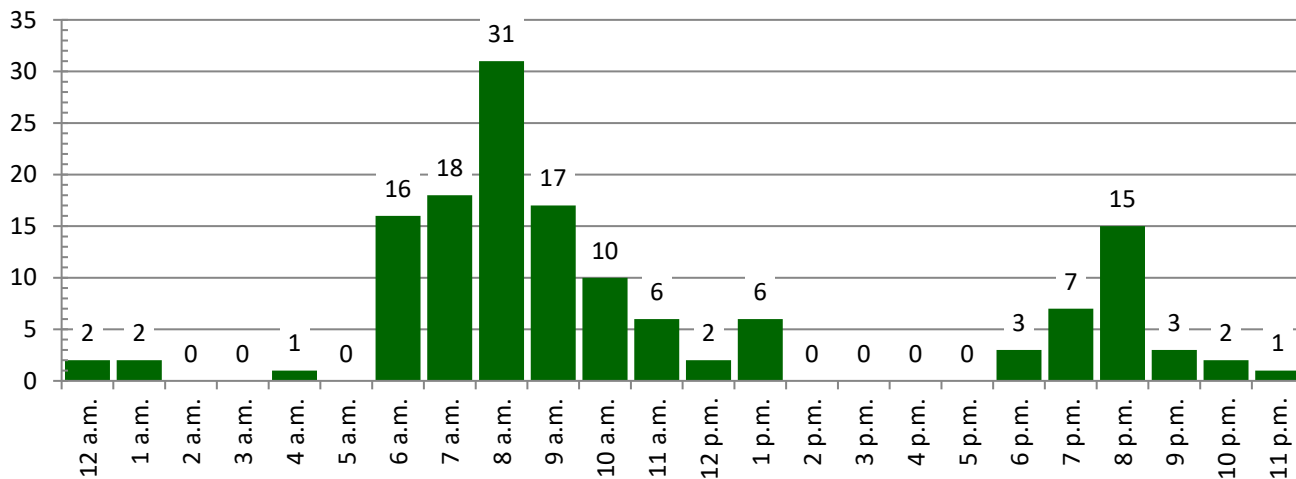


Current Month - Incident by Road

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

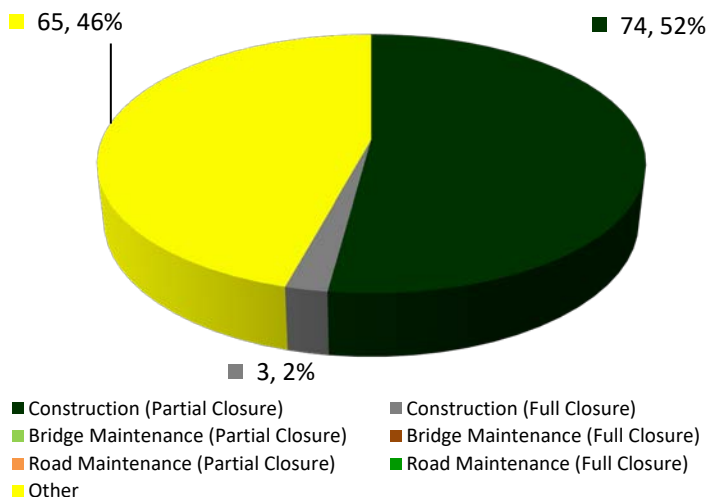


Planned Events



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

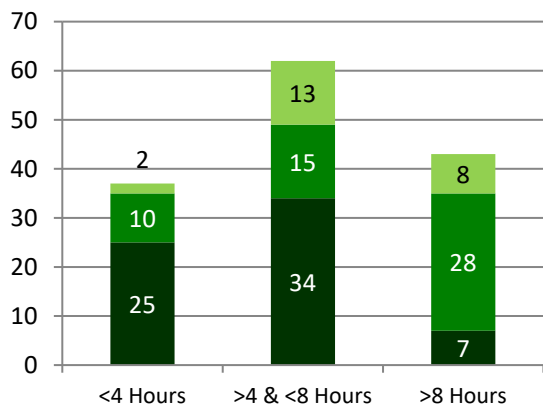


This graph shows the type of incident totals for the month.

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.

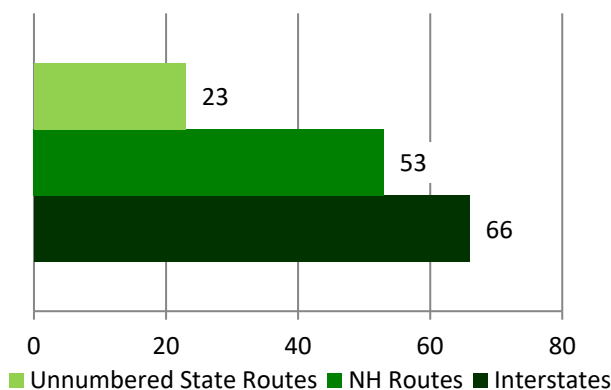
Current Month - Incident Duration

This graph shows the duration history of incidents.



Current Month - Incident by Road

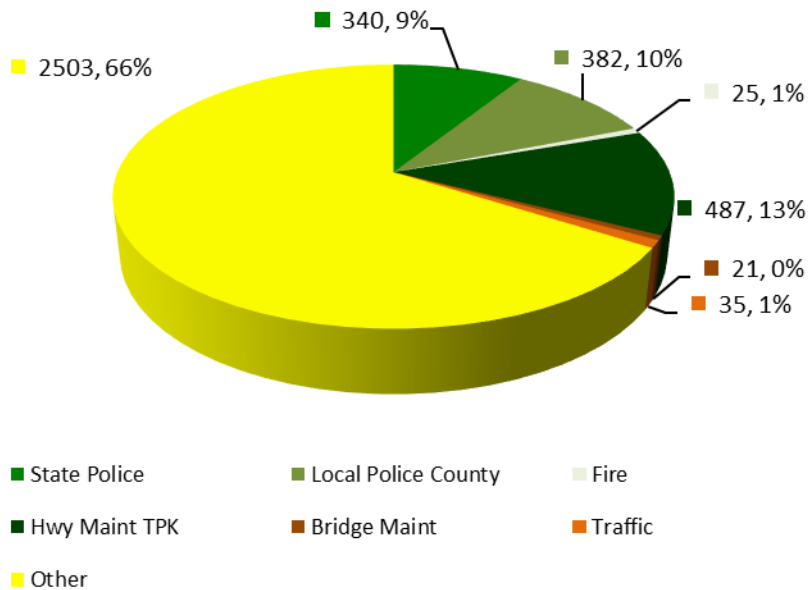
This graph shows which type of roadway the incidents occurred on.



Communication

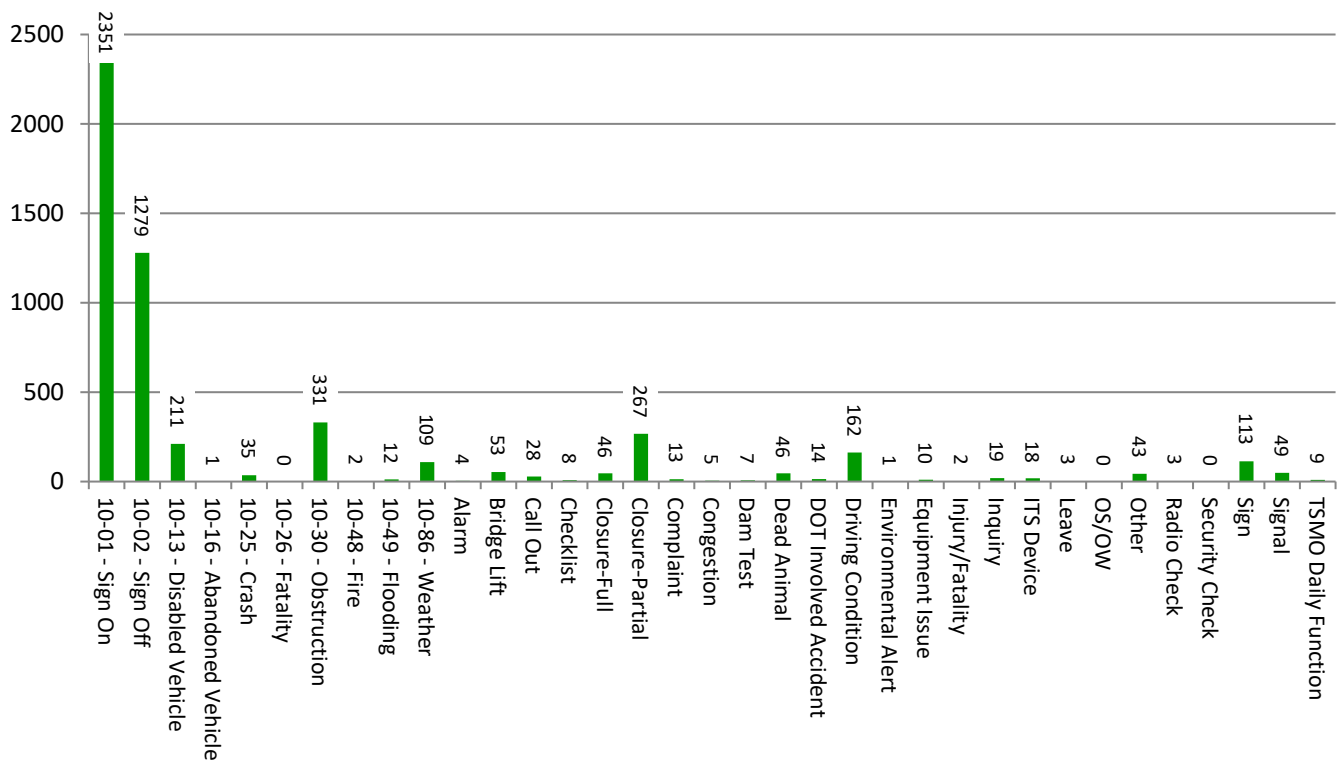
Current Month - Calls by Type

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



Log Entries by Type

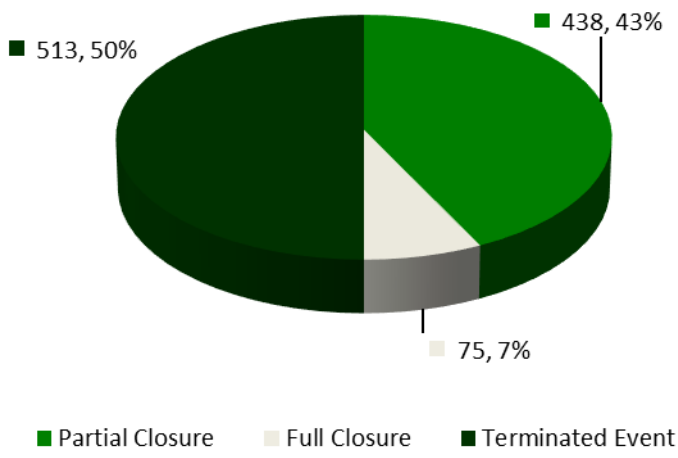
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

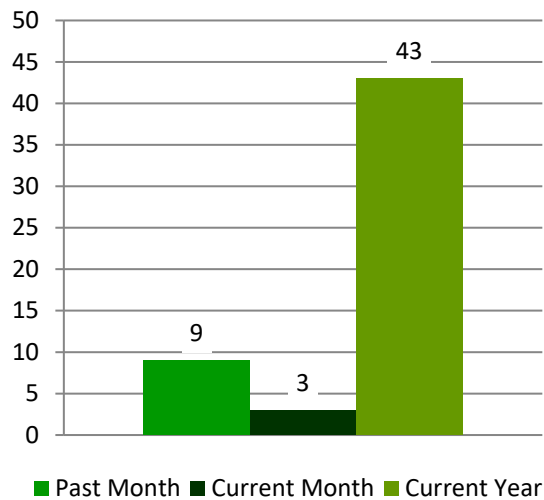
Current Month – Construction Calls

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

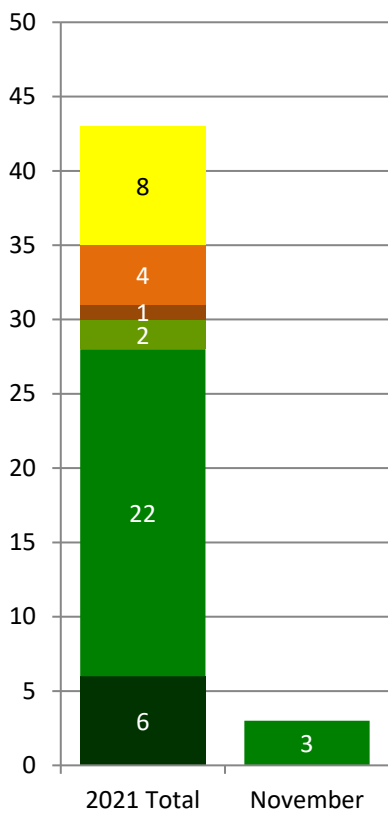


Incidents Occurring in Work Zones

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

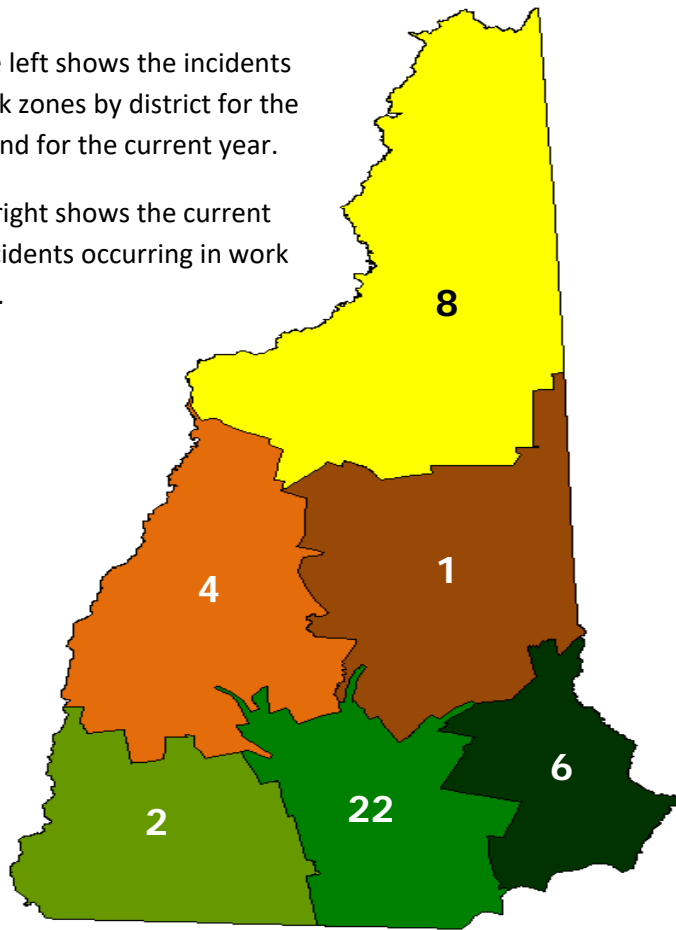


Incidents Occurring in Work Zones by Location



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

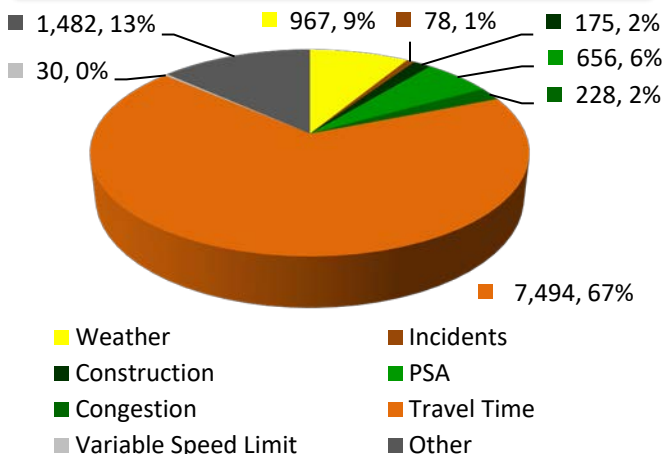
The map to the right shows the current year total for incidents occurring in work zones by district.



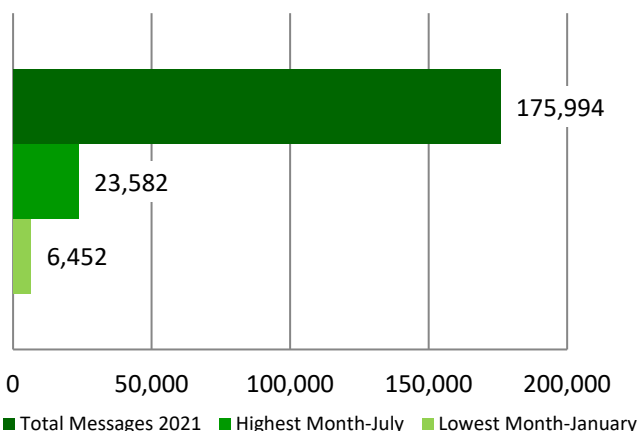
■ District 6
 ■ District 5
 ■ District 4
 ■ District 3
 ■ District 2
 ■ District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 2021



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.

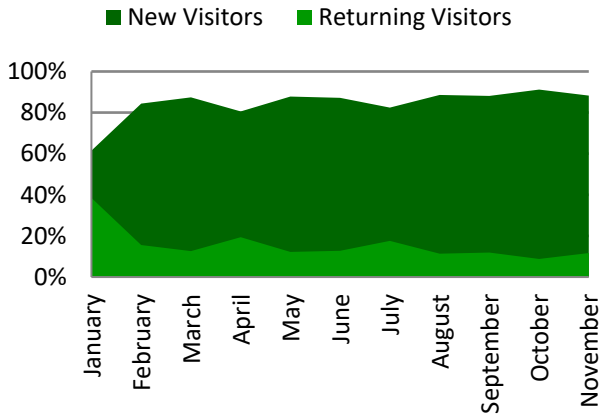
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	26	93 S 25.1 PSVT - SWZ - M04	6	FEE N 1.2 FSVT	22
101 to 95 Side Toll	2	93 S 25.6 PSVT - SWZ - M03	8	FEE N 16.2 PSVT	26
101E 114.8 FSV6	146	93 S 26.4 PSVT - SWZ - M02	96	FEE N 18.8 FSVT	7
101W 102.6 FSV5	20	93 S 27.4 PSVT - SWZ - M01	34	FEE N 5.2 PSVT	2
101W 128 PSV6	18	93 S 31.9 PSVT - SWZ - M07	28	FEE S 17.8 PSVT	32
16N 35.0 PSV3	2	93 S 5.2 VSL D5	3	FEE S 3.8 FSDT	20
293N 8.8 FSPT	350	93 S EX 9 On-Ramp - SWZ - M09	1	FEE S 8.6 FSPT	19
293S 1.4 FSD5	42	93 SM 2.2 VSL D 5	3	I-91 N VT 69.1 PSVT - SWZ - M06	376
293S 4.8 FSDT	28	93 SM 5.2 VSL D5	3	ST N 1.0 FSAT	209
393 W 1.9 PSV5	10	93N 16.0 VSL D5	1	ST N 17.5 PSVT	8
4 W 98.9 FSS6	6	93N 16.0 VSL D5 Median	1	ST N 19.2 PSVT	4
4E 92.4 FSS6	6	93N 23.4 FSD5	284	ST N 4.4 FSST	19
4E 98 FSA6	17	93N 26.8 PSVT	57	ST N 5.4 PSVT	7
89 N 56.8 PSVT - SWZ - M01	153	93N 32.9 FSST	13	ST S 17.7 PSVT	4
89 N 57.2 PSVT - SWZ - M02	14	93N 36.2 FSVT	22	ST S 24.4 FSVT	152
89 N 59.8 PSVT - SWZ - M03	65	93N 57.6 FSS3	21	ST S 3.4 FSDT	2,583
89 S VT 0.9 PSVT - SWZ - M05	380	93N 76.4 FSV3	26	ST S 34.4 PSVT	4
89N 1.8 FSV5	171	93N 82.6 FSV3	1	ST S 5.6 PSVT	2
89N 18.4 FSS5	8	93N 99.6 FSA3	21	ST S 7.8 FSAT	2,255
89N 35.5 FSV2	27	93S 117.6 FSA1	16	WA W 0.5 FSST	8
89N 43.8 PSV2	16	93S 122.2 FSV1	7		
89N 49.0 PSV2	8	93S 23.4 FSD5	157		
89N 54.9 FSS2	12	93S 27.8 FSDT	550		
89S 10.8 FSV5	201	93S 30.3 PSVT	54		
89S 3.4 FSV5	425	93S 32.4 FSVT	30		
89S 42.6 PSV2	8	93S 36.5 FSST	11		
89S 55.0 PSV2	18	93S 39.0 FSV5	51		
89S 57.7 FSS2	20	93S 43.3 PSV5	13		
91 VT S 70.6 PSVT - SWZ - M04	349	93S 48.0 FSV5	25		
93 N 0.5 FSDT	109	93S 68.8 FSV3	19		
93 N 2.35 VSL D 5	2	93S 7.2 FSD5	105		
93 N 3.8 VSL D5	3	93S 85.4 FSV3	19		
93 N 6.6 VSL D5	3	95N 0.4 FSVT	168		
93 N 7.5 FSD5	113	95N 13.0 FSVT	17		
93 N EX 9 On-Ramp - SWZ - M08	1	95N 14.8 FSDT	33		
93 NM 2.35 VSL D 5	2	95N 3.0 FSDT	163		
93 NM 3.8 VSL D5	3	95N 4.8 PSVT	46		
93 NM 6.6 VSL D5	3	95S 15.4 FSDT	141		
93 S 2.2 VSL D 5	3	95S 3.4 FSPT	18		
93 S 22.6 PSVT - SWZ - M06	20	95S 7.2 PSVT	45		
93 S 23.3 PSVT - SWZ - M05	88	95S 7.6 FSDT	136		

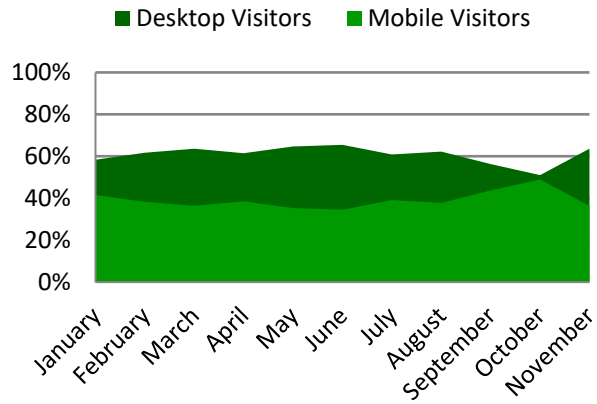
Public Outreach

1,052 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.



40,958 Total Twitter Followers

