

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

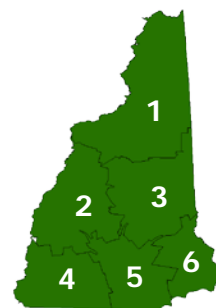
Transportation excellence enhancing the quality of life in New Hampshire.

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
119	119

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



Dynamic Message Signs (DMS)

2020 Total	2021 Total
56	56
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)

2020 Total	2021 Total
25	27

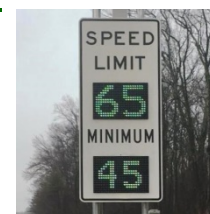
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



Variable Speed Limit Sign (VSL)

2020 Total	2021 Total
18	17

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



Motor Vehicle Detection System (MVDS)

2020 Total	2021 Total
19	19

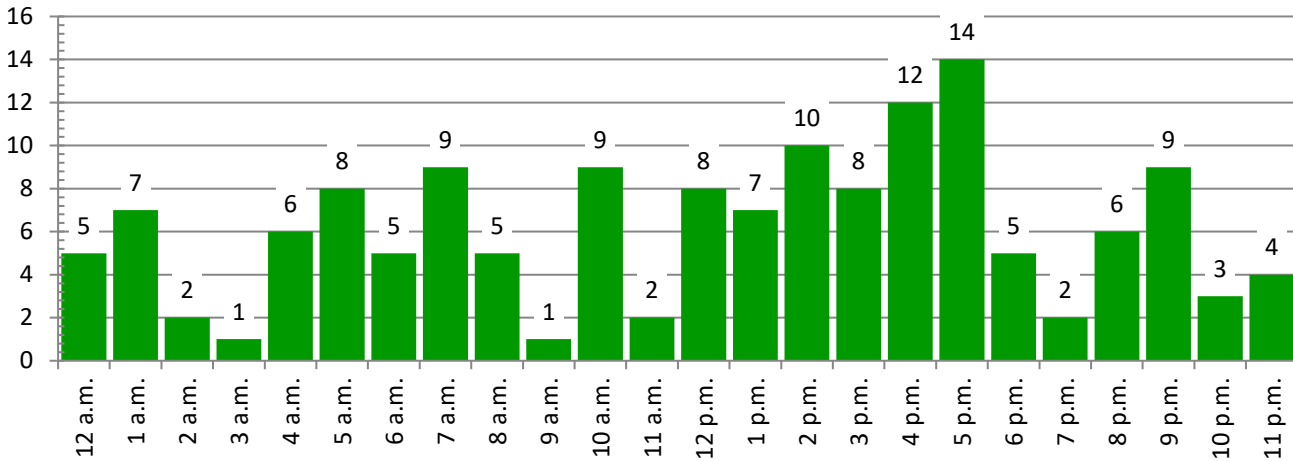
MVDS are sensors that collect speed and volume data.



Summary

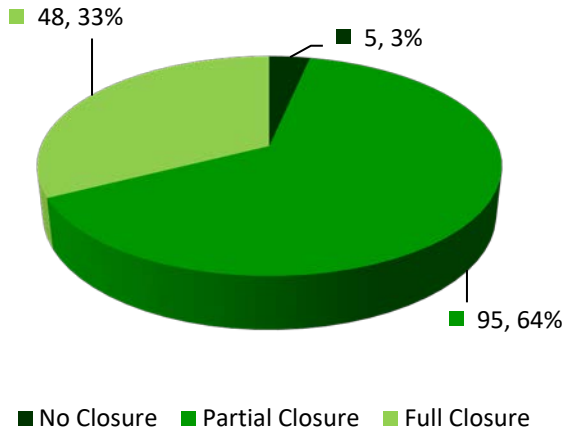
	Current Month	2021 Total
Unplanned Incidents		
	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	148	774
Planned Incidents		
	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	451	1,757
Communication		
	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,091	24,535
Work Zones Communication		
	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	2,126	9,284
DMS Messages		
	Total Messages	
All changes to DMS are logged and reviewed.	21,502	83,254
Public Outreach		
	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	866	8,571
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



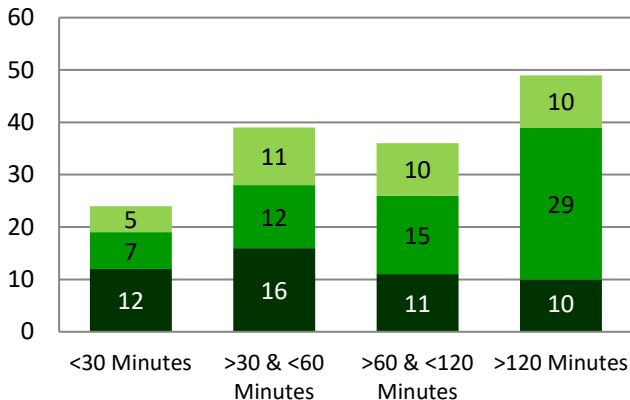
This graph shows the type of incident totals for the month.

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.

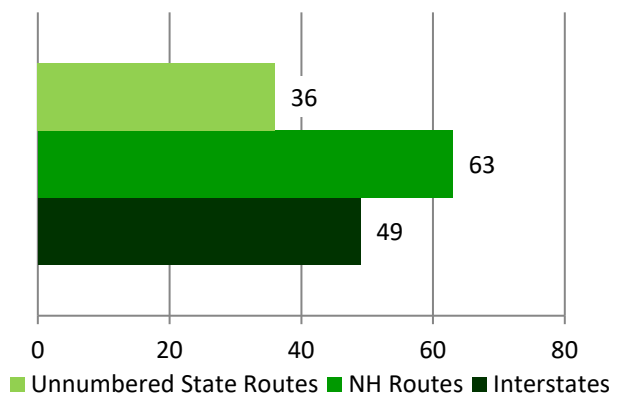
Current Month - Incident Duration

This graph shows the duration history of incidents.

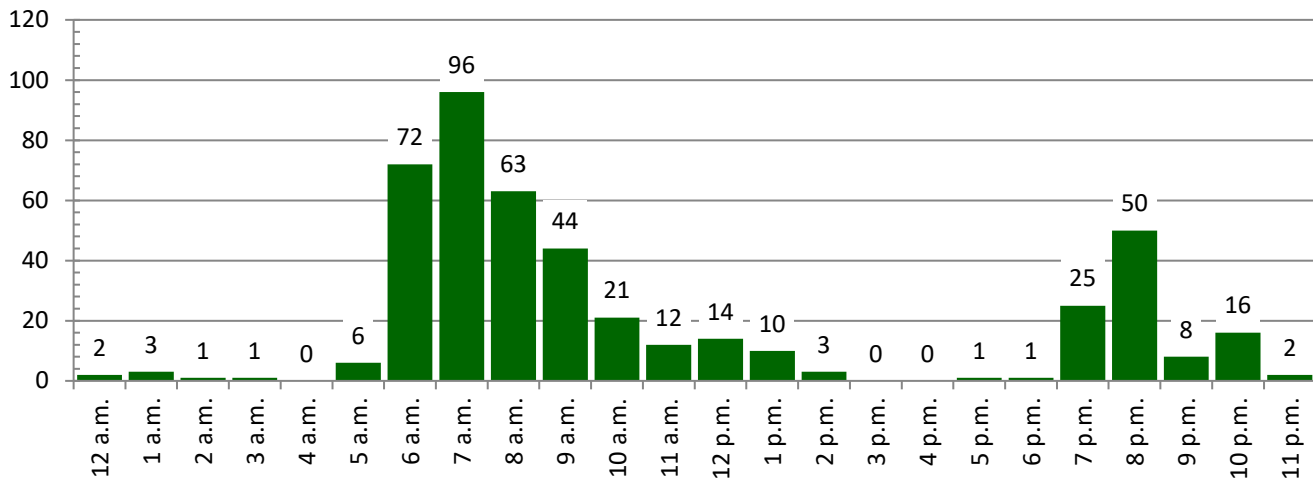


Current Month - Incident by Road

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

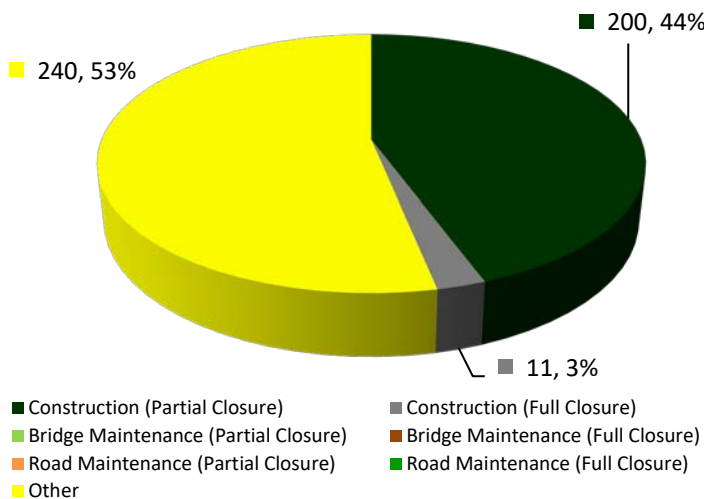


Planned Events



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

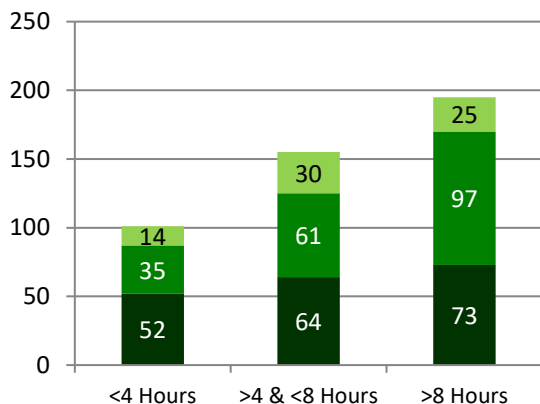


This graph shows the type of incident totals for the month.

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.

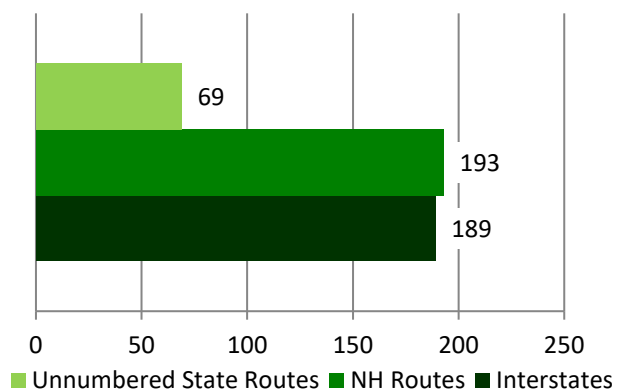
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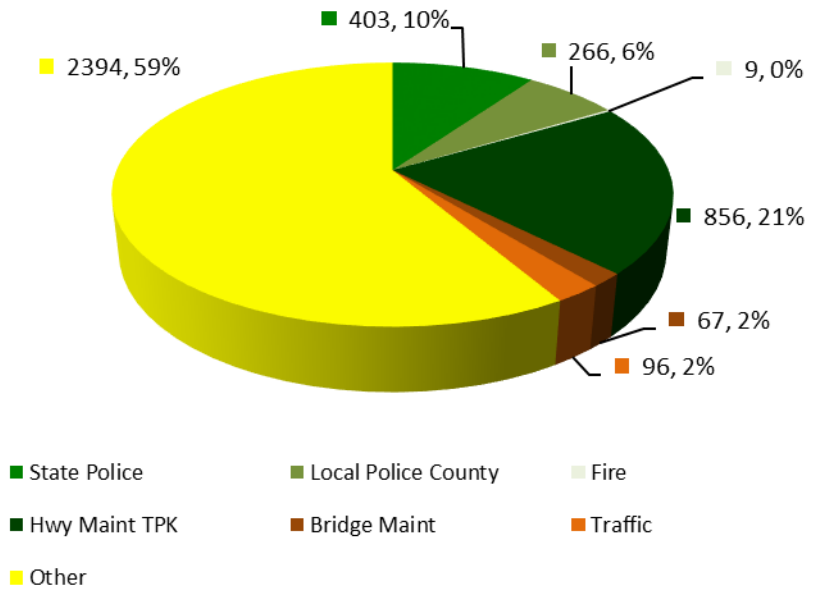
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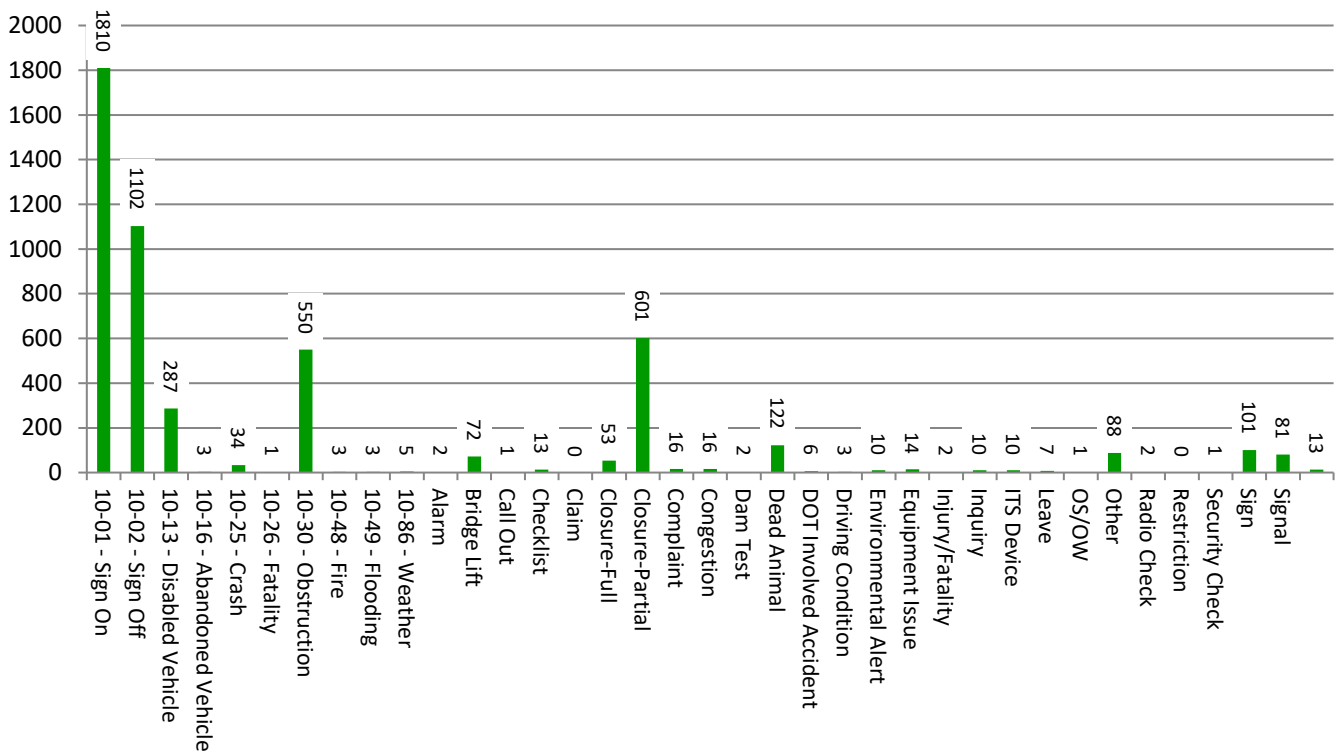
Current Month - Calls by Type

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



Log Entries by Type

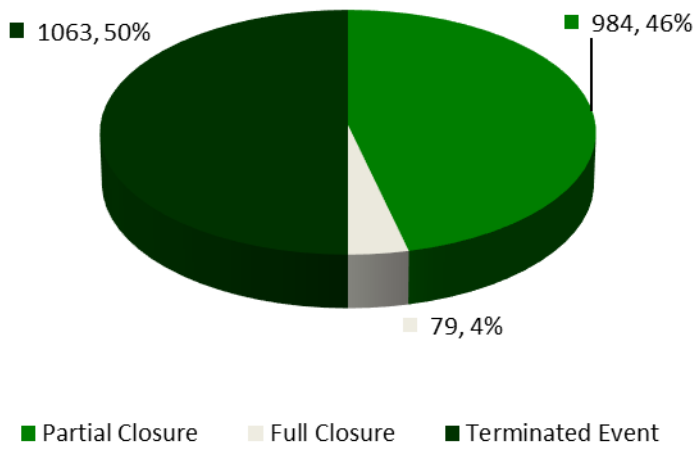
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

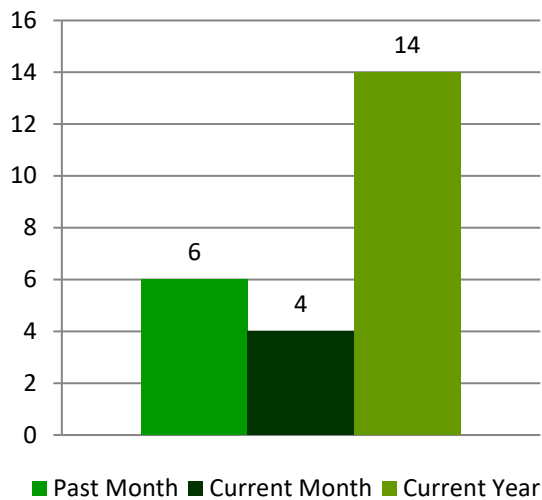
Current Month – Construction Calls

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

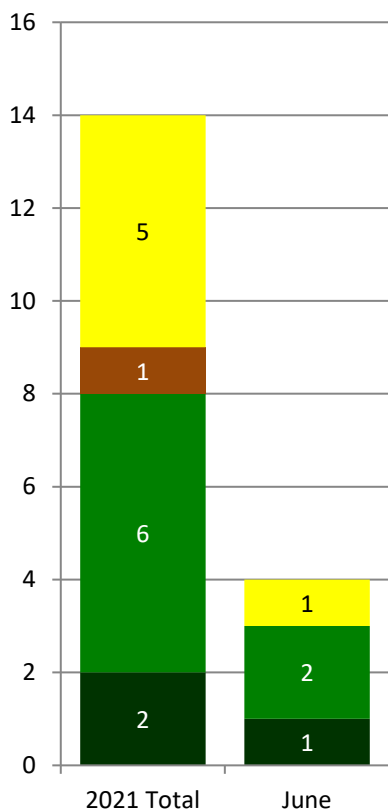


Incidents Occurring in Work Zones

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

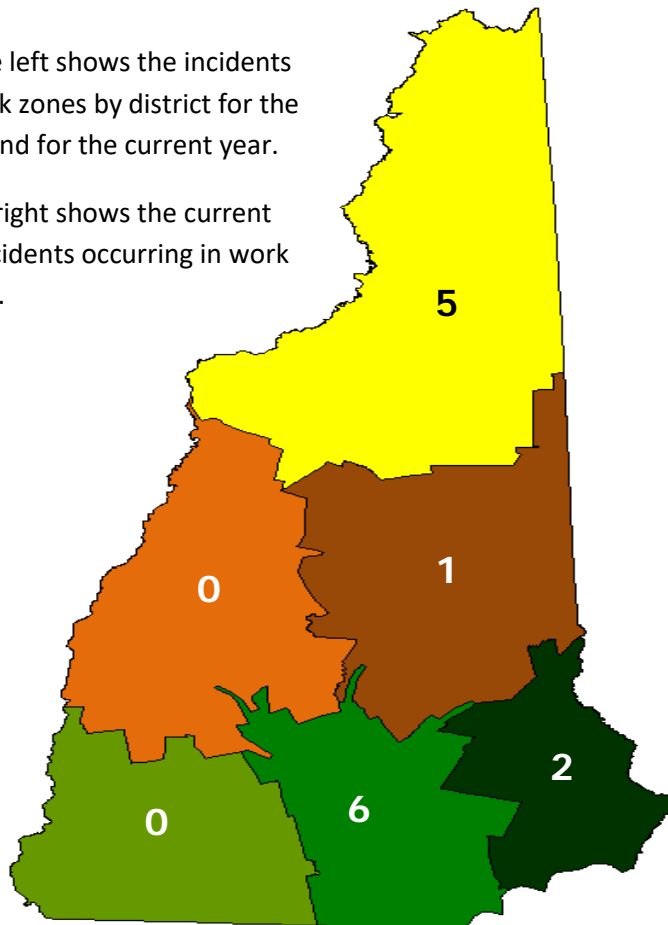


Incidents Occurring in Work Zones by Location



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

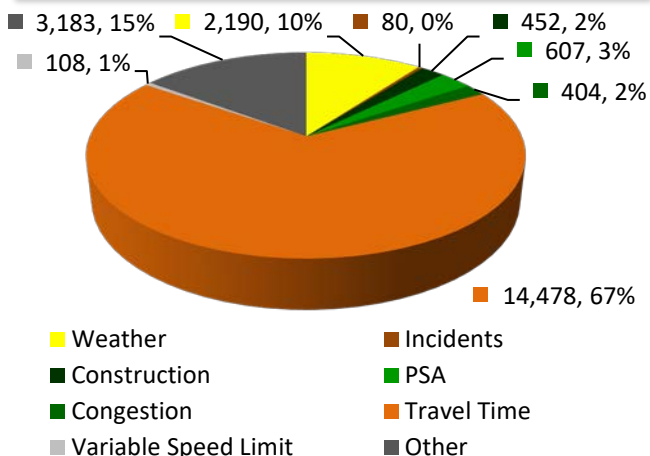
The map to the right shows the current year total for incidents occurring in work zones by district.



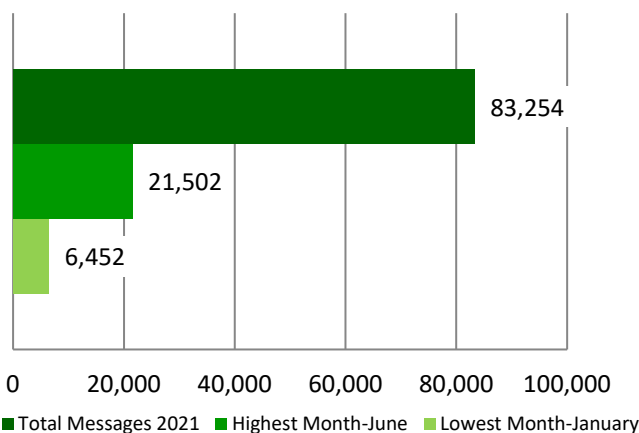
■ District 6
 ■ District 5
 ■ District 4
■ District 3
 ■ District 2
 ■ District 1

DMS Messages

Current Month - Messages by Type



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.

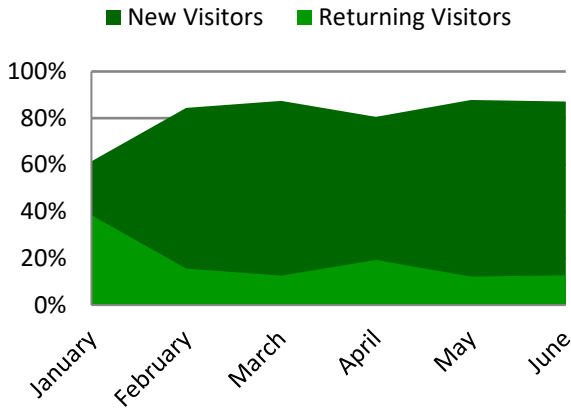
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	25	93N 23.4 FSD5	918
101E 114.8 FSV6	157	93N 26.8 PSVT	21
101E 130 FSA6	11	93N 32.9 FSST	24
101W 102.6 FSV5	16	93N 36.2 FSVT	41
101W 128 PSV6	22	93N 57.6 FSS3	38
293N 8.8 FSPT	913	93N 76.4 FSV3	26
293S 1.4 FSD5	19	93N 82.6 FSV3	30
293S 4.8 FSDT	25	93N 99.6 FSA3	43
393 W 1.9 PSV5	9	93S 117.6 FSA1	13
4E 92.4 FSS6	5	93S 122.2 FSV1	8
4E 98 FSA6	11	93S 23.4 FSD5	194
89 N 56.8 PSVT - SWZ - M01	57	93S 27.8 FSDT	975
89 N 57.2 PSVT - SWZ - M02	193	93S 30.3 PSVT	10
89 N 59.8 PSVT - SWZ - M03	473	93S 32.4 FSVT	10
89 S 58.7 PSVT - SWZ - M07	6	93S 36.5 FSST	11
89 S VT 0.9 PSVT - SWZ - M05	1,298	93S 39.0 FSV5	34
89N 1.8 FSV5	221	93S 43.3 PSV5	17
89N 18.4 FSV5	18	93S 48.0 FSV5	32
89N 35.5 FSV2	27	93S 68.8 FSV3	38
89N 54.9 FSS2	19	93S 7.2 FSD5	134
89S 10.8 FSV5	182	93S 85.4 FSV3	32
89S 3.4 FSV5	584	95N 0.4 FSVT	671
89S 55.0 PSV2	12	95N 13.0 FSVT	50
89S 57.7 FSS2	46	95N 14.8 FSDT	56
91 VT S 70.6 PSVT - SWZ - M04	1,244	95N 3.0 FSDT	599
93 N 0.5 FSDT	159	95N 4.8 PSVT	69
93 N 6.6 VSL D5	9	95S 15.4 FSDT	340
93 N 7.5 FSD5	132	95S 3.4 FSPT	28
93 N EX 9 On-Ramp - SWZ - M08	69	95S 7.2 PSVT	29
93 NM 6.6 VSL D5	9	95S 7.6 FSDT	299
93 S 17.8 VSL SE 5	44	FEE N 1.2 FSVT	47
93 S 22.6 PSVT - SWZ - M06	75	FEE N 18.8 FSVT	17
93 S 23.3 PSVT - SWZ - M05	19	FEE S 3.8 FSDT	27
93 S 25.1 PSVT - SWZ - M04	25	FEE S 8.6 FSPT	15
93 S 25.6 PSVT - SWZ - M03	48	I-91 N VT 69.1 PSVT - SWZ - M06	1297
93 S 26.4 PSVT - SWZ - M02	77	ST N 1.0 FSAT	387
93 S 27.4 PSVT - SWZ - M01	5	ST N 4.4 FSST	28
93 S 31.9 PSVT - SWZ - M07	23	ST S 24.4 FSVT	322
93 S 5.2 VSL D5	4	ST S 3.4 FSDT	4681
93 S EX 9 On-Ramp - SWZ - M09	71	ST S 7.8 FSAT	3482
93 SM 17.8 VSL SE 5	42	WA W 0.5 FSST	5

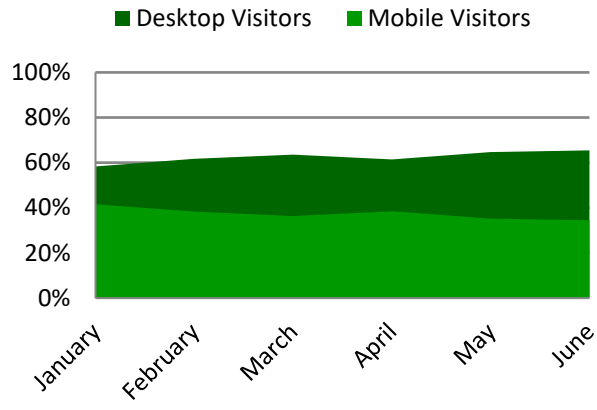
Public Outreach

866 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.



40,163 Total Twitter Followers

