

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

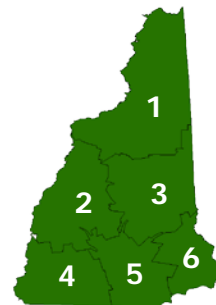
NH Department of Transportation's Mission

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	99

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	57
16 ¹	15 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	24

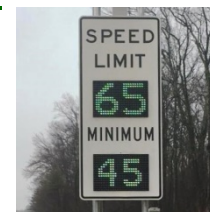
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.



Variable Speed Limit Sign (VSL)

2018 Total	2019 Total
20	20

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



Motor Vehicle Detection System (MVDS)

2018 Total	2019 Total
7	7

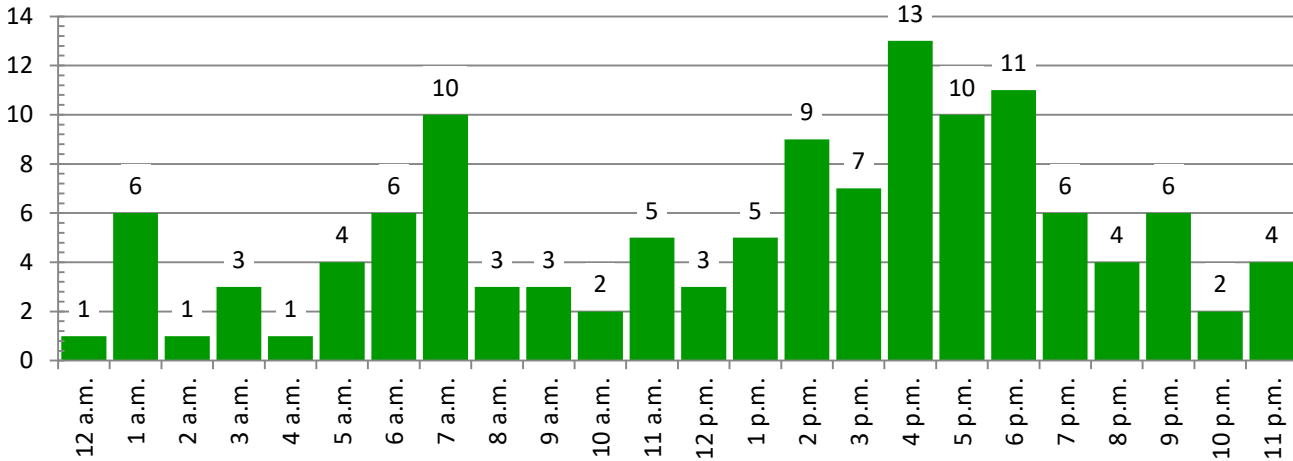
MVDS are sensors that collect speed and volume data.



Summary

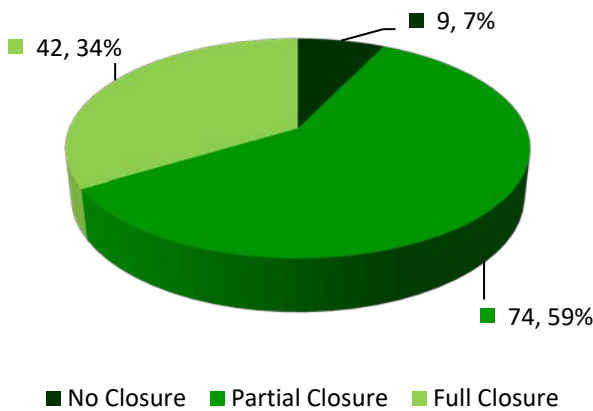
	Current Month	2019 Total
Unplanned Incidents		
	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	125	810
Planned Incidents		
	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	482	975
Communication		
	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,682	17,644
Work Zones Communication		
	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	2,032	5,848
DMS Messages		
	Total Messages	
All changes to DMS are logged and reviewed.	16,340	88,410
Public Outreach		
	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,358	7,826
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:

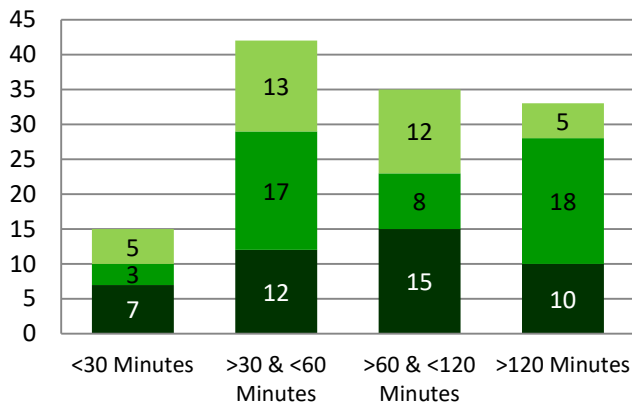
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

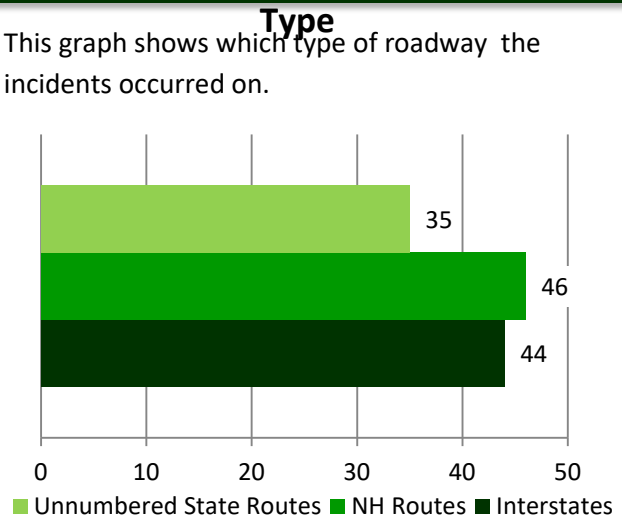
Current Month - Incident Duration

This graph shows the duration history of incidents.

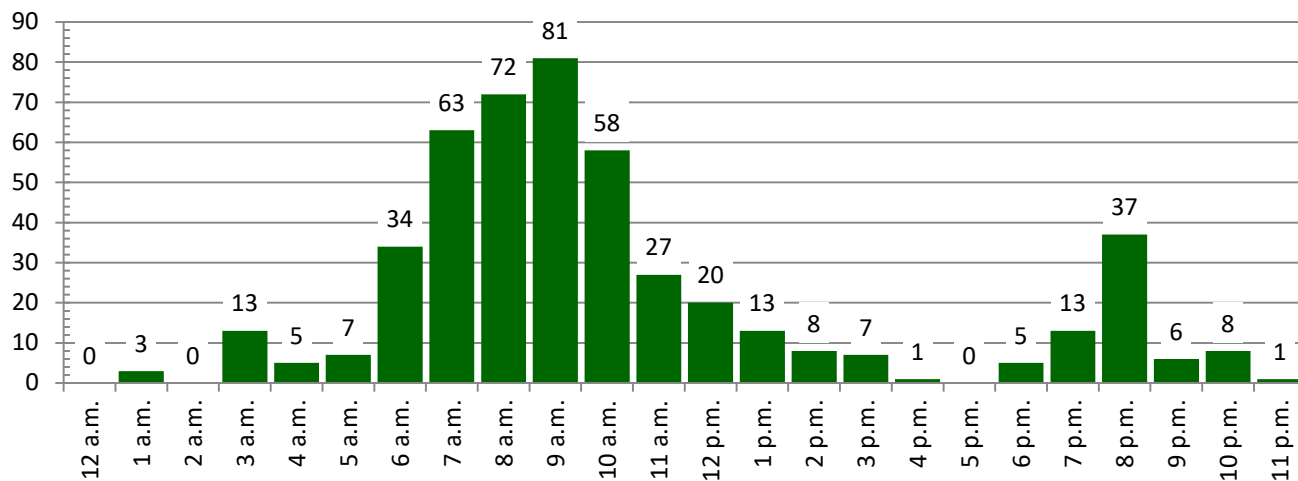


Current Month - Incident by Road

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

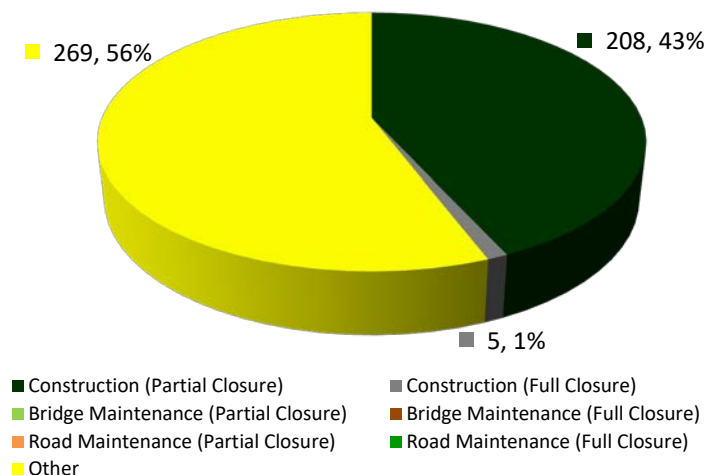


Planned Events



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

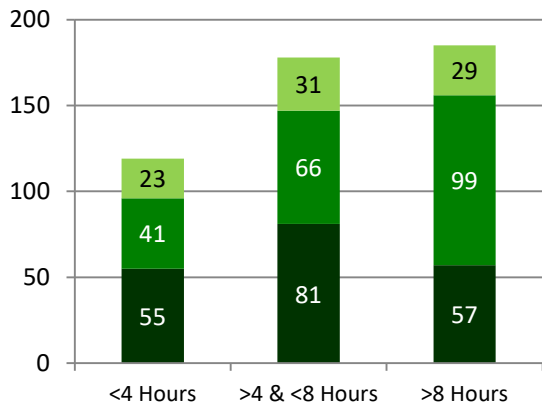


This graph shows the type of incident totals for the month.

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.

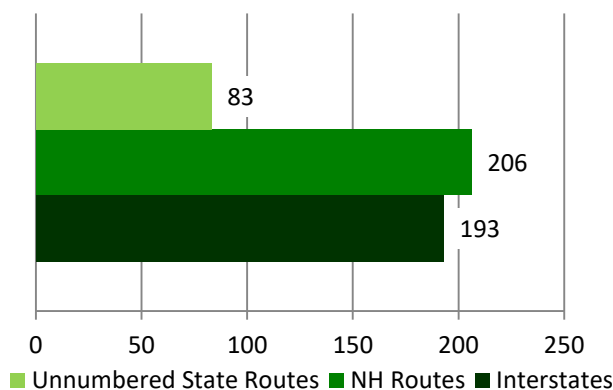
Current Month - Incident Duration

This graph shows the duration history of incidents.



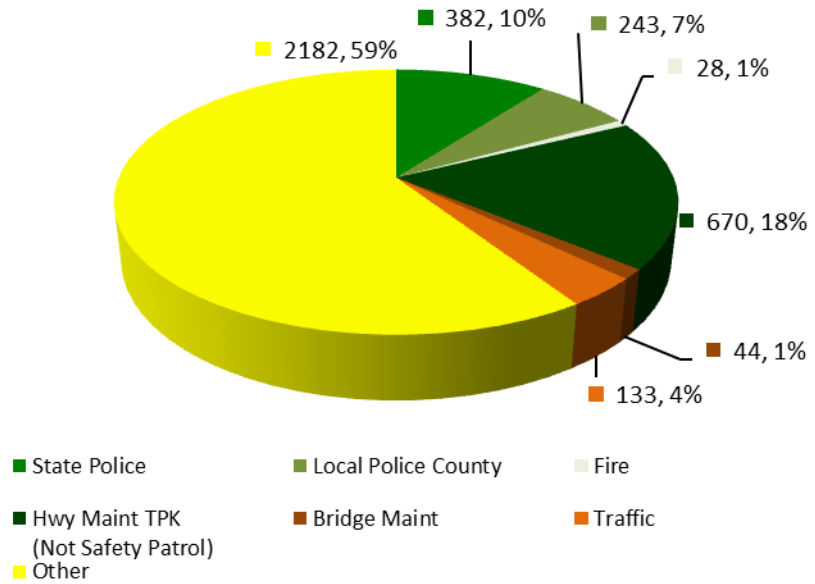
Current Month - Incident by Road Type

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



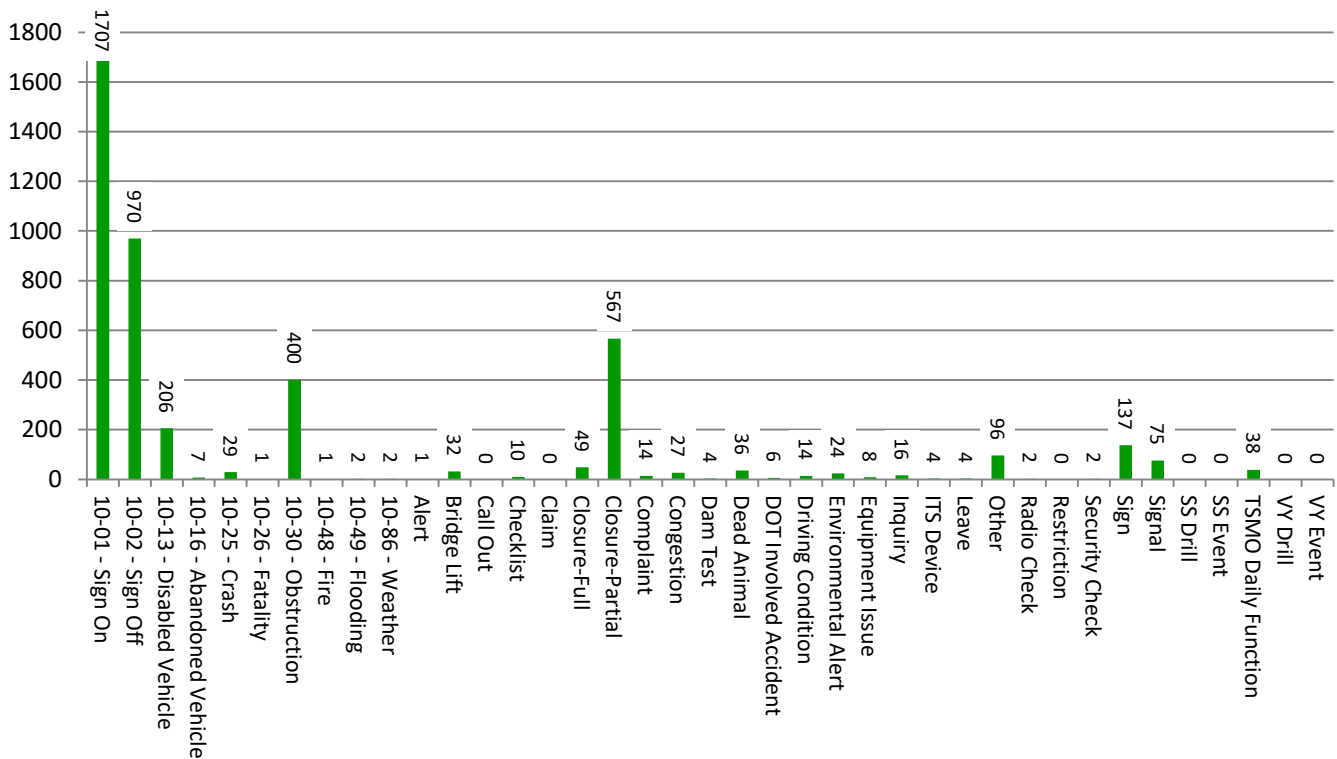
Current Month - Calls by Type

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



Log Entries by Type

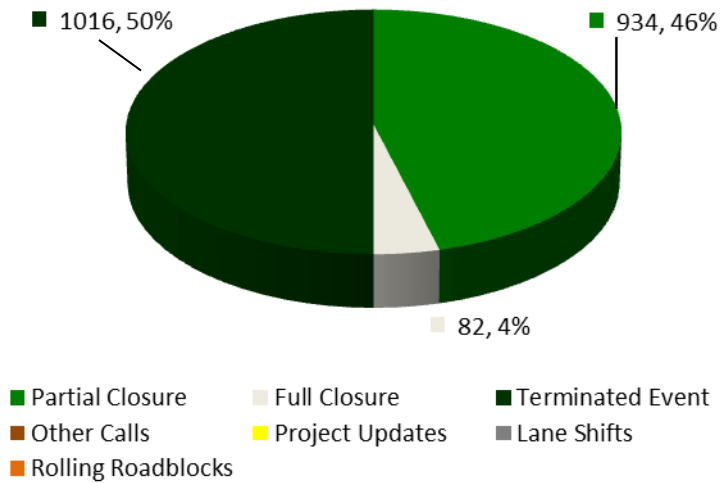
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

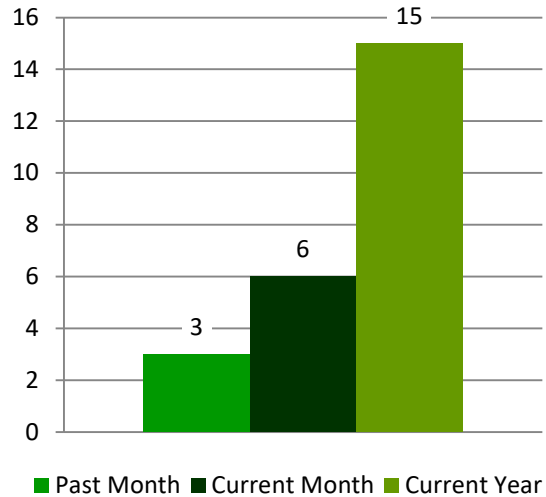
Current Month – Construction Calls

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

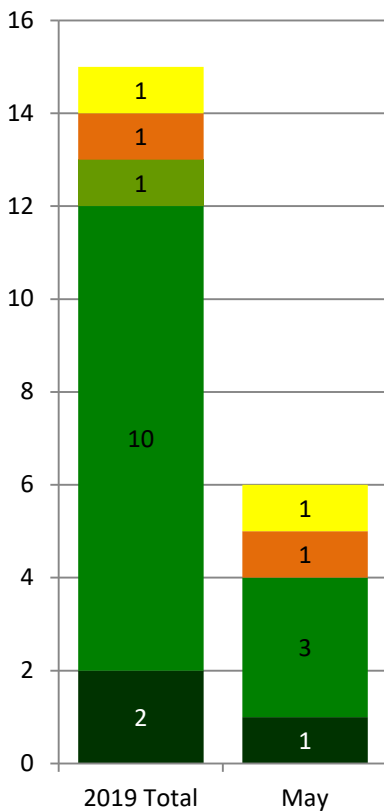


Incidents Occurring in Work Zones

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

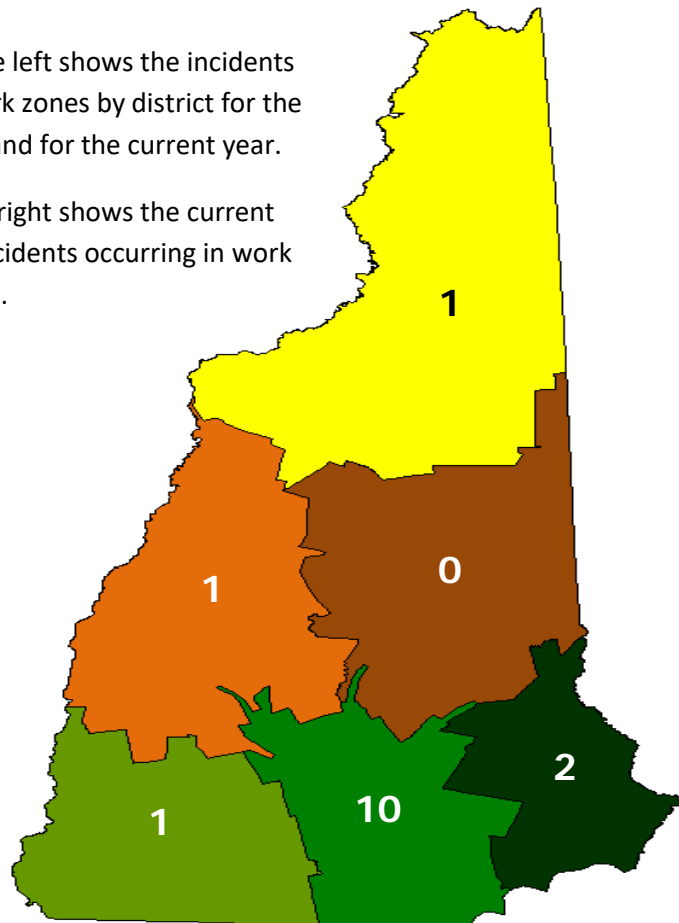


Incidents Occurring in Work Zones by Location



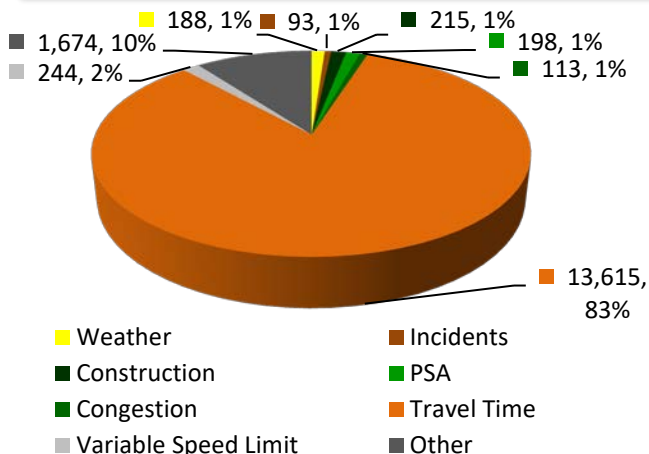
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

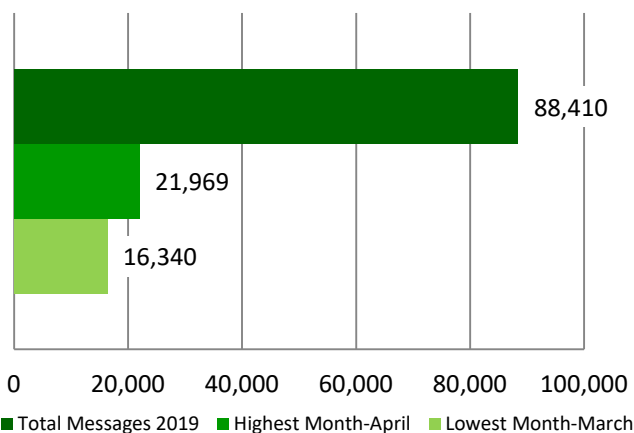


DMS Messages

Current Month - Messages by Type



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.

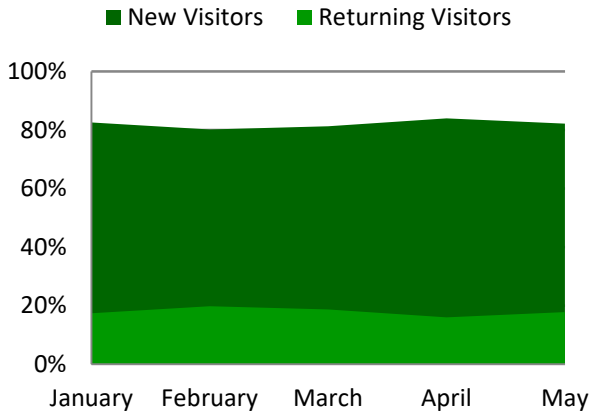
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	5	93 SM 5.2 VSL D5	6	95N 14.8 FSDT	23
101 WM 100.5 VSL D 5	5	93N 0.0 PCMS - SWZ M01	1,007	95N 3.0 FSDT	233
101E 102 PSP5	3	93N 0.3 FSD5	590	95N 4.6 PSVT	6
101E 114.8 FSV6	77	93N 1.35 PCMS - SWZ M07	933	95S 15.4 FSDT	92
101E 130 FSA6	307	93N 10.95 PCMS - SWZ M04	476	95S 7.1 PSVT	5
101E 53.4 FSV5	179	93N 14.8 PCMS - SWZ M05	306	95S 7.6 FSDT	134
101W 102.6 FSV5	32	93N 16.0 VSL D5	8	FEE N 16.2 PCMS - SWZ M03	354
101W 128 PSV6	23	93N 16.0 VSL D5 Median	8	FEE N 18 PCMS - SWZ M02	357
293 N 0.9 PCMS - SWZ M04	147	93N 2.6 PCMS - SWZ M03	920	FEE N 18.8 FSVT	129
293 S 1.4 VSL D 5	14	93N 23.4 FSD5	381	FEE S 8.6 FSPT	7
293 S 3.8 PCMS - SWZ M01	69	93N 27.0 PSVT	3	ST N 1.0 FSAT	716
293N 8.8 FSPT	434	93N 32.4 FSVT	56	ST S 11.6 FSA6	105
293S 1.4 FSD5	40	93N 36.2 FSVT	48	ST S 24.4 FSVT	122
293S 2.2 PCMS - SWZ M06	497	93N 43.8 PSP5	4	ST S 3.4 FSDT	1,596
293S 4.8 FSVT	43	93N 57.6 FSS3	16	ST S 7.8 FSAT	1,018
393 W 1.9 PSV5	13	93N 7.2 FSD5	525	WA W 0.5 FSST	4
4E 92.4 FSS6	4	93N 76.4 FSV3	11		
4E 98 FSA6	3	93N 99.6 FSA3	24		
89N 1.8 FSV5	112	93S 117.6 FSA1	14		
89N 18.4 FSV5	78	93S 122.2 FSV1	5		
89N 28.8 PSP2	12	93S 13.8 PCMS - SWZ M11	165		
89N 35.5 FSV2	24	93S 14.4 VSL D5	68		
89N 43.8 PSV2	8	93S 14.4 VSL D5 Median	66		
89N 54.9 FSS2	27	93S 15.85 PCMS - SWZ M12	221		
89S 10.8 FSV5	43	93S 2.6 PCMS - SWZ M08	115		
89S 3.4 FSV5	531	93S 20.1 PCMS - SWZ M13	374		
89S 31.4 PSP5	9	93S 23.4 FSD5	399		
89S 42.6 PSV2	8	93S 27.8 FSDT	1,212		
89S 55.0 PSV2	8	93S 30.4 PSVT	2		
89S 57.7 FSS2	58	93S 32.4 FSVT	23		
93 N 0.3 VSL D 5	6	93S 39.0 FSV5	30		
93 N 2.35 VSL D 5	6	93S 43.3 PSV5	15		
93 N 3.8 VSL D5	6	93S 48.0 FSV5	27		
93 N 6.6 VSL D5	6	93S 5.2 PCMS - SWZ M09	135		
93 NM 2.35 VSL D 5	6	93S 57.6 PSP5	2		
93 NM 3.8 VSL D5	6	93S 68.8 FSV3	9		
93 NM 6.6 VSL D5	5	93S 7.2 FSD5	170		
93 S 2.2 VSL D 5	6	93S 85.4 FSV3	33		
93 S 5.2 VSL D5	6	93S 99.2 FSA3	17		
93 SM 19.8 VSL D 5	5	95N 0.4 FSVT	127		
93 SM 2.2 VSL D 5	6	95N 13.0 FSVT	11		

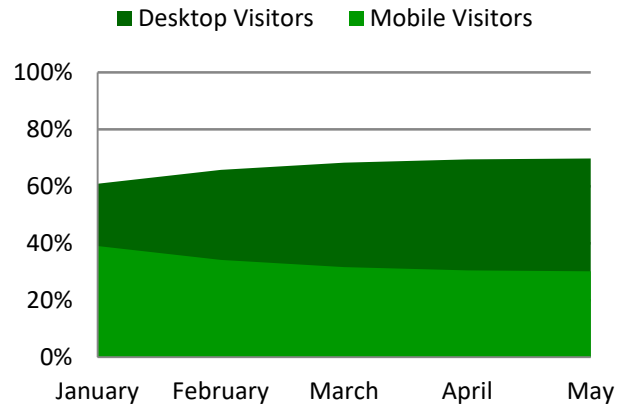
Public Outreach

1,358 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.



38,169 Total Twitter Followers

