

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

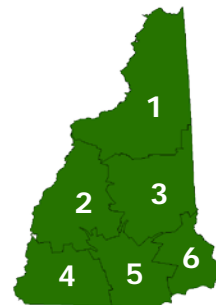
Transportation excellence enhancing the quality of life in New Hampshire.

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
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	97	99

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Dynamic Message Signs (DMS)

	2018 Total	2019 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	56	57
¹ Additional DMS that TSMO uses during the winter season.	16 ¹	15 ¹
² TSMO is responsible for an additional ~20 DMS for the department.	20 ²	20 ²

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Road Weather Information System (RWIS)

	2018 Total	2019 Total
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

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Variable Speed Limit Sign (VSL)

	2018 Total	2019 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	20	20

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Motor Vehicle Detection System (MVDS)

	2018 Total	2019 Total
MVDS are sensors that collect speed and volume data.	7	7

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Summary

	Current Month	2019 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	159	685

	Current Month	2019 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	315	493

	Current Month	2019 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,814	13,962

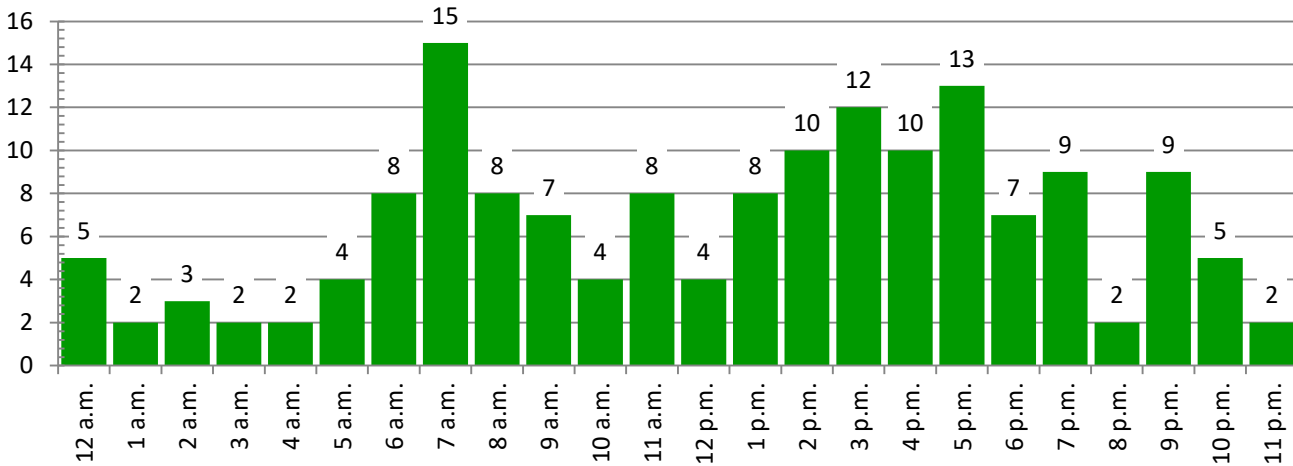
	Current Month	2019 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,570	3,816

	Current Month	2019 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	21,969	72,070

	Current Month	2019 Total
Public Outreach	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,570	6,468

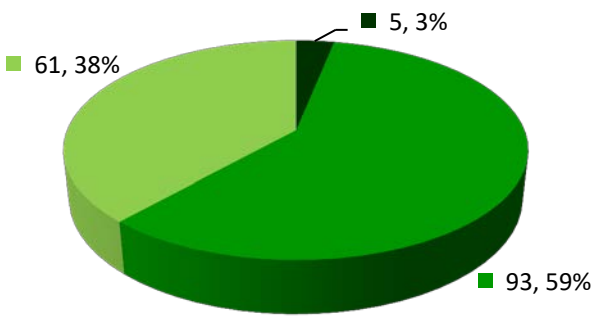
	Current Month	2019 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	3

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.

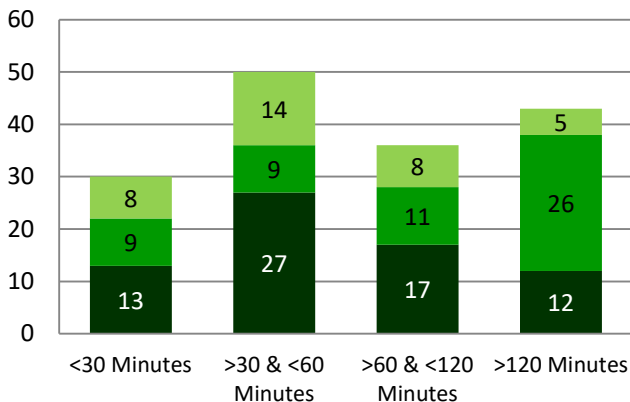
Partial Closure: Only a part of the roadway was closed.

Full Closure: All lanes were closed during the incident.

■ No Closure ■ Partial Closure ■ Full Closure

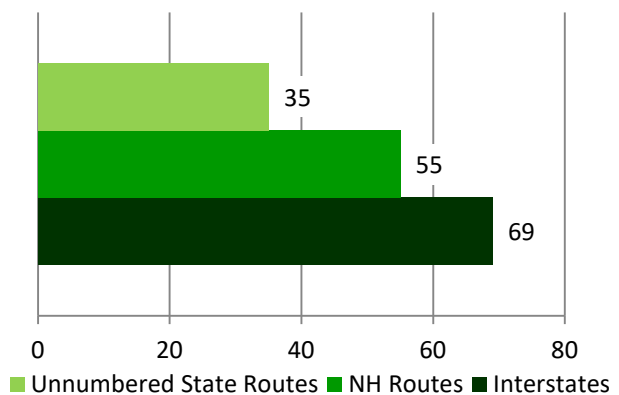
Current Month - Incident Duration

This graph shows the duration history of incidents.

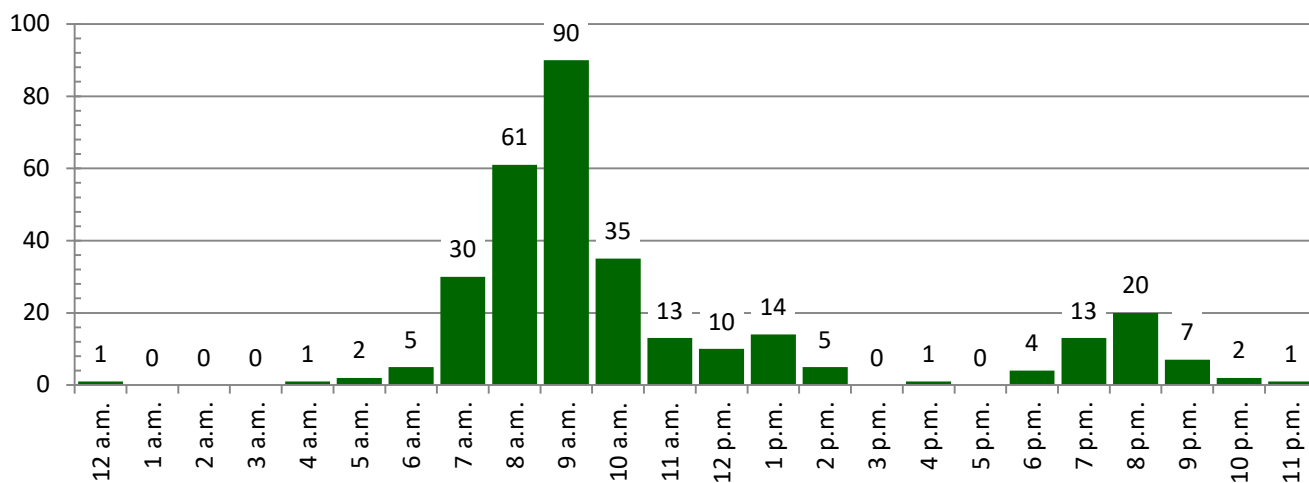


Current Month - Incident by Road

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

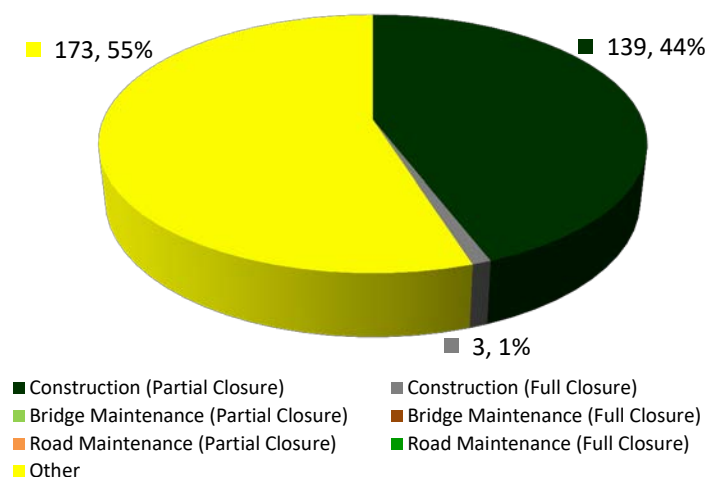


Planned Events



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

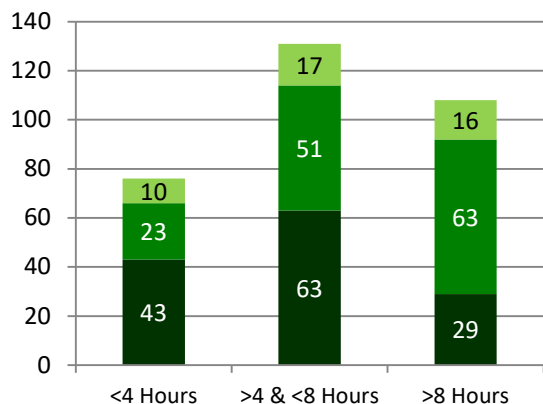


This graph shows the type of incident totals for the month.

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.

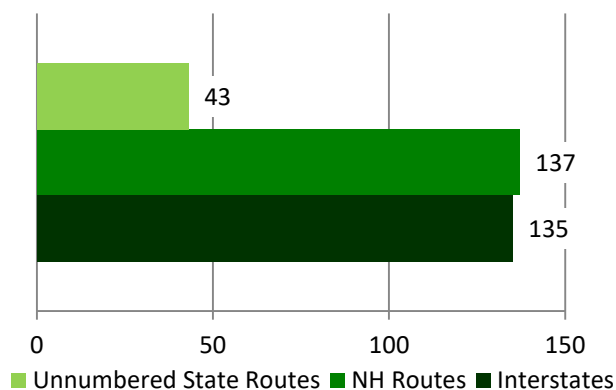
Current Month - Incident Duration

This graph shows the duration history of incidents.



Current Month - Incident by Road

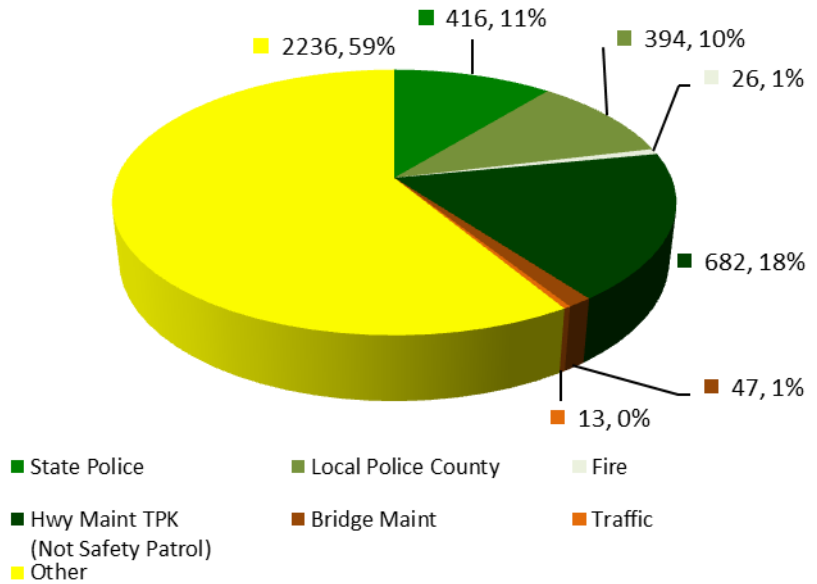
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Communication

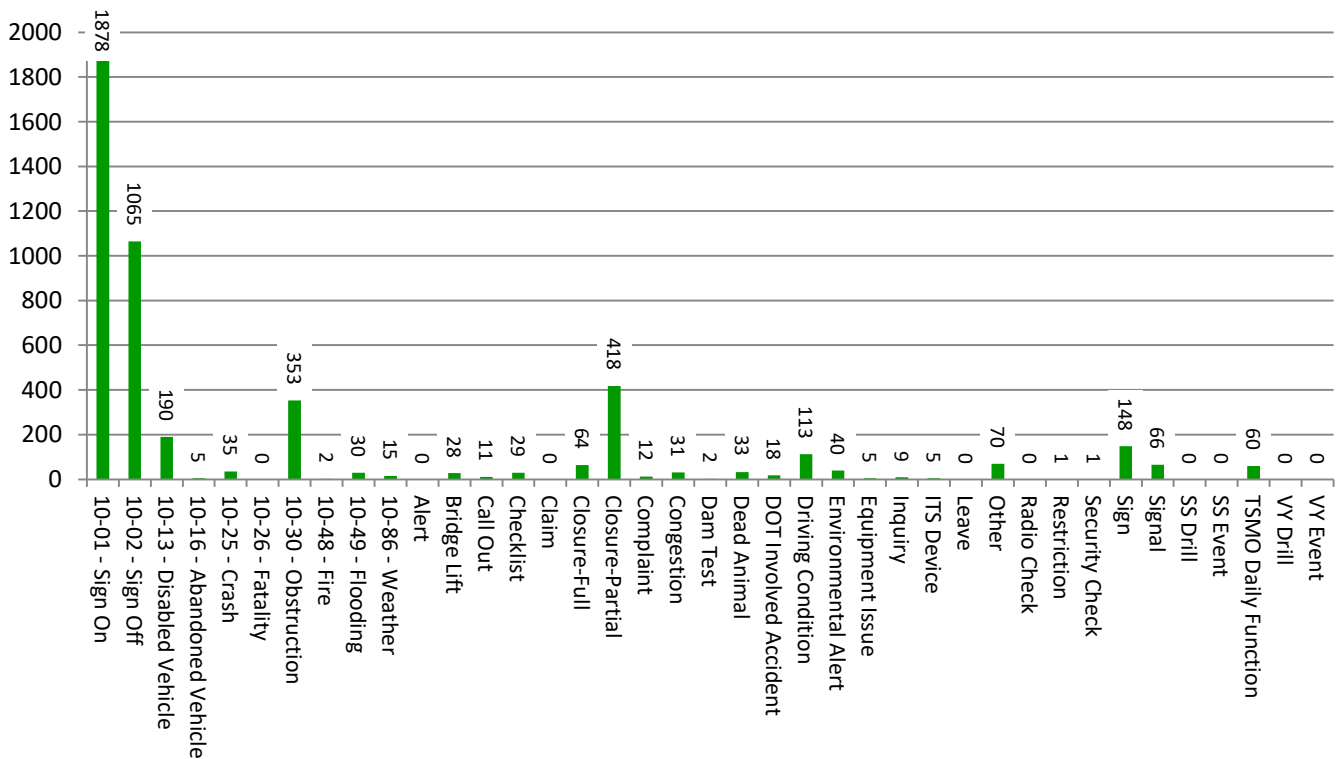
Current Month - Calls by Type

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



Log Entries by Type

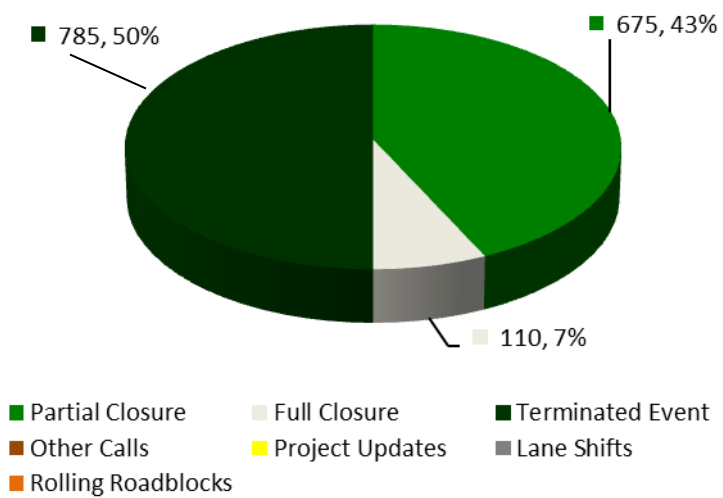
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

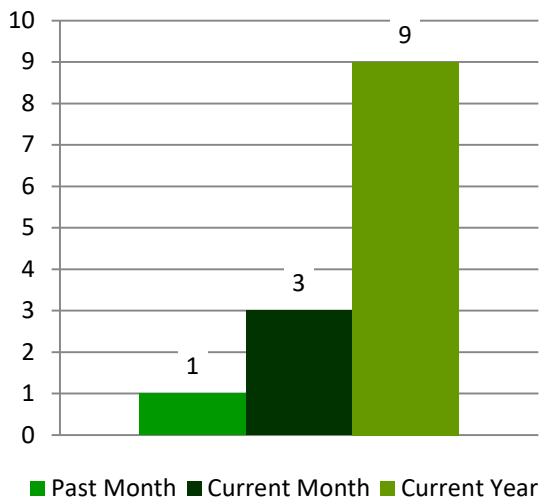
Current Month – Construction Calls

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

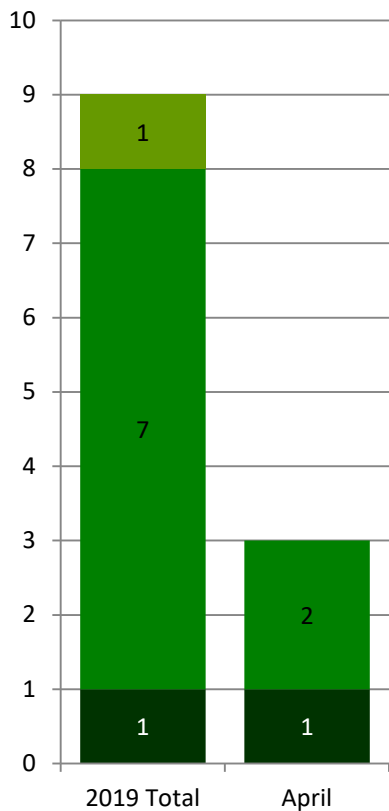


Incidents Occurring in Work Zones

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

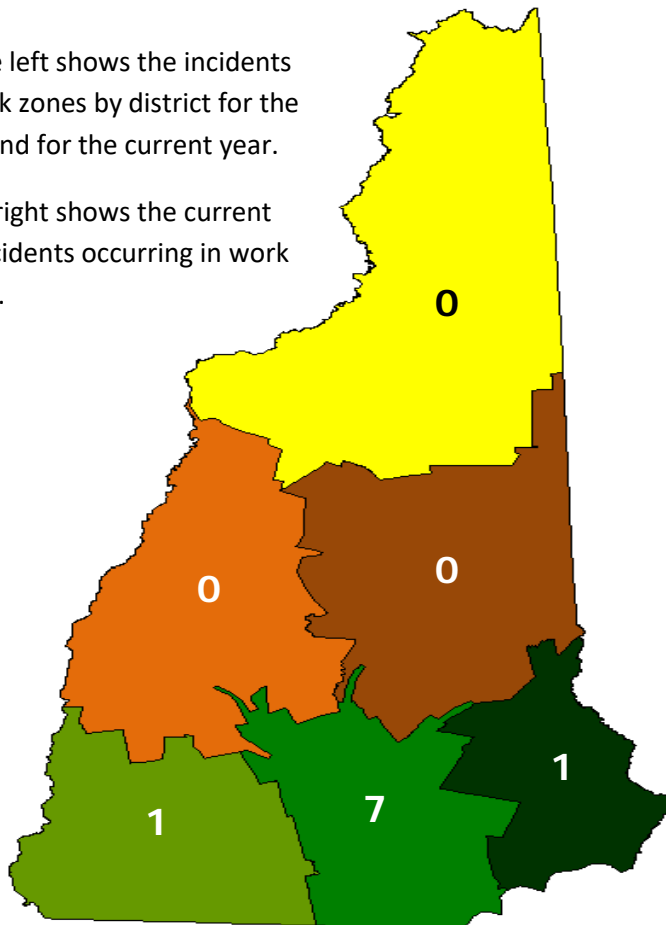


Incidents Occurring in Work Zones by Location



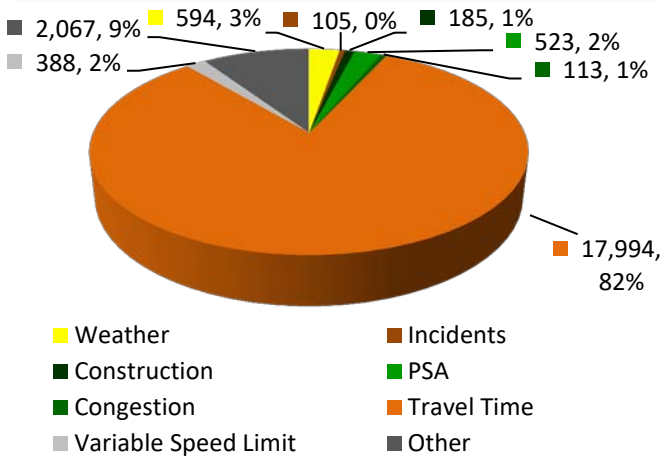
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

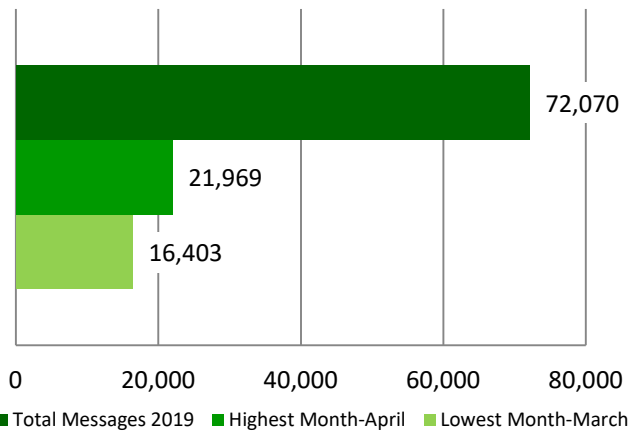


DMS Messages

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.

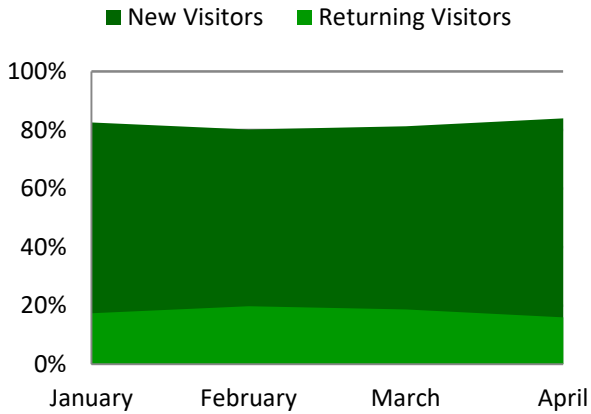
Current Month - Total Messages Posted by Board

101 W 100.5 VSL D 5	21	93 SM 5.2 VSL D5	20	95S 15.4 FSDT	135
101 WM 100.5 VSL D 5	21	93N 0.0 PCMS - SWZ M01	1,095	95S 3.4 FSPT	5
101E 102 PSP5	3	93N 0.3 FSD5	931	95S 7.6 FSDT	136
101E 114.8 FSV6	151	93N 1.35 PCMS - SWZ M07	988	FEE N 1.2 FSVT	160
101E 130 FSA6	233	93N 10.95 PCMS - SWZ M04	554	FEE N 16.2 PCMS - SWZ M03	371
101E 53.4 FSV5	348	93N 14.8 PCMS - SWZ M05	322	FEE N 18 PCMS - SWZ M02	57
101W 102.6 FSV5	33	93N 16.0 VSL D5	13	FEE N 18.8 FSVT	309
101W 115 PSP5	5	93N 16.0 VSL D5 Median	14	FEE N 5.2 PSVT	40
101W 128 PSV6	31	93N 2.6 PCMS - SWZ M03	795	FEE S 17.8 PSVT	26
293 N 0.9 PCMS - SWZ M04	258	93N 23.4 FSD5	274	FEE S 8.6 FSPT	16
293 S 1.4 VSL D 5	20	93N 32.4 FSVT	35	ST N 1.0 FSAT	780
293N 8.8 FSPT	249	93N 36.2 FSVT	42	ST N 19.2 PSVT	35
293S 1.4 FSD5	57	93N 43.8 PSP5	15	ST S 11.6 FSA6	285
293S 2.2 PCMS - SWZ M06	599	93N 57.6 FSS3	33	ST S 24.4 FSVT	392
293S 4.8 FSVT	45	93N 7.2 FSD5	821	ST S 3.4 FSDT	2,398
393 W 1.9 PSV5	14	93N 76.4 FSV3	28	ST S 34.4 PSVT	32
4E 92.4 FSS6	12	93N 99.6 FSA3	23	ST S 7.8 FSAT	1,731
4E 98 FSA6	2	93S 117.6 FSA1	15	WA W 0.5 FSST	12
89N 1.8 FSV5	148	93S 122.2 FSV1	13		
89N 18.4 FSV5	431	93S 13.8 PCMS - SWZ M11	379		
89N 28.8 PSP2	9	93S 14.4 VSL D5	29		
89N 35.5 FSV2	43	93S 14.4 VSL D5 Median	28		
89N 43.8 PSV2	19	93S 15.85 PCMS - SWZ M12	446		
89N 54.9 FSS2	19	93S 2.6 PCMS - SWZ M08	207		
89S 10.8 FSV5	147	93S 20.1 PCMS - SWZ M13	474		
89S 3.4 FSV5	399	93S 23.4 FSD5	469		
89S 31.4 PSP5	20	93S 27.8 FSDT	2,012		
89S 42.6 PSV2	21	93S 32.4 FSVT	26		
89S 55.0 PSV2	25	93S 36.0 PSVT	29		
89S 57.7 FSS2	146	93S 39.0 FSV5	47		
93 N 0.3 VSL D 5	20	93S 43.3 PSV5	19		
93 N 2.35 VSL D 5	20	93S 48.0 FSV5	68		
93 N 3.8 VSL D5	20	93S 5.2 PCMS - SWZ M09	275		
93 N 6.6 VSL D5	21	93S 57.6 PSP5	7		
93 NM 2.35 VSL D 5	20	93S 68.8 FSV3	39		
93 NM 3.8 VSL D5	20	93S 7.2 FSD5	278		
93 NM 6.6 VSL D5	20	93S 85.4 FSV3	48		
93 S 2.2 VSL D 5	20	95N 0.4 FSVT	167		
93 S 5.2 VSL D5	20	95N 13.0 FSVT	36		
93 SM 19.8 VSL D 5	21	95N 14.8 FSDT	42		
93 SM 2.2 VSL D 5	20	95N 3.0 FSDT	142		

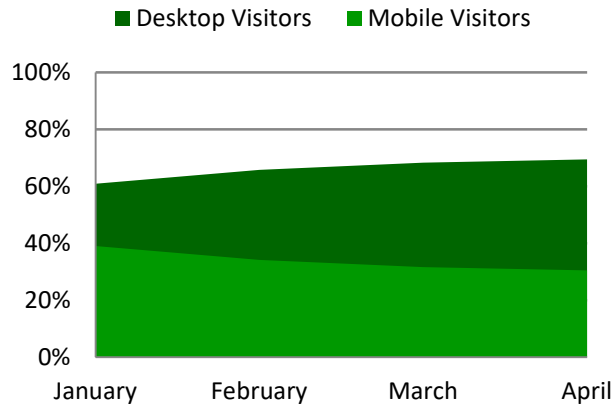
Public Outreach

1,570 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.



38,003 Total Twitter Followers

