

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

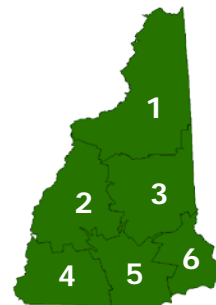
Transportation excellence enhancing the quality of life in New Hampshire.

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	119

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Dynamic Message Signs (DMS)

	2020 Total	2021 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	56	56
¹ Additional DMS that TSMO uses during the winter season.	16 ¹	16 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)

	2020 Total	2021 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.	25	27

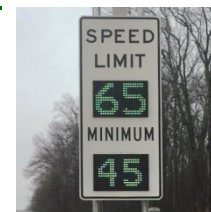
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Variable Speed Limit Sign (VSL)

	2020 Total	2021 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	18	17

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Motor Vehicle Detection System (MVDS)

	2020 Total	2021 Total
MVDS are sensors that collect speed and volume data.	19	19

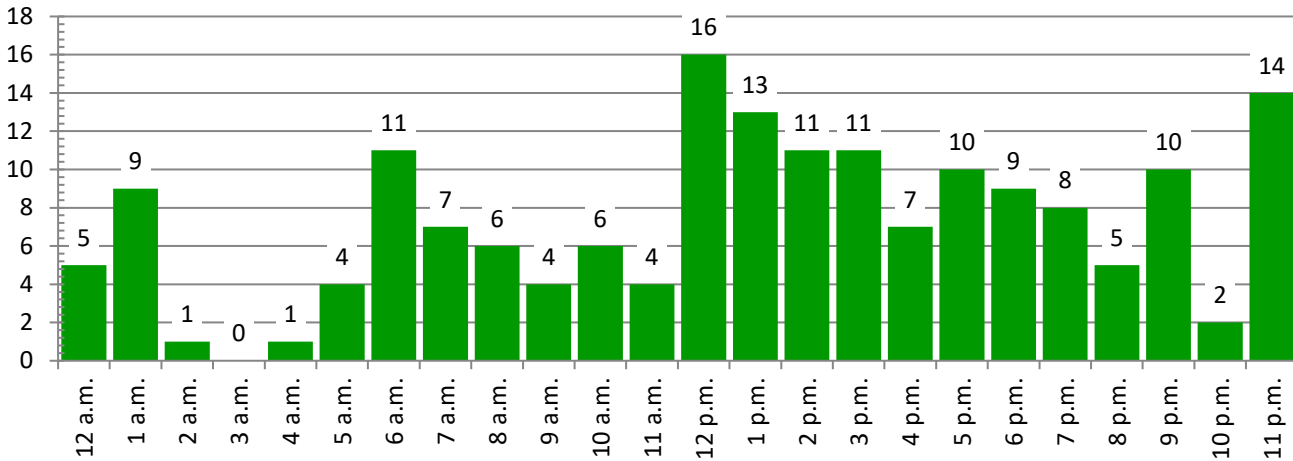
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Summary

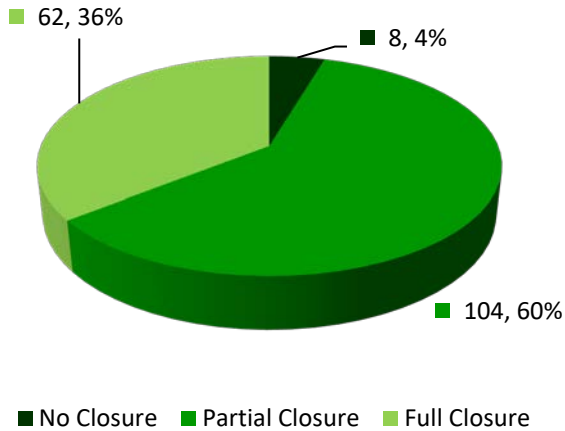
	Current Month	2021 Total
Unplanned Incidents		
	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	174	948
Planned Incidents		
	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	454	2,211
Communication		
	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,364	28,899
Work Zones Communication		
	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	2,696	11,980
DMS Messages		
	Total Messages	
All changes to DMS are logged and reviewed.	23,582	106,836
Public Outreach		
	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,718	10,289
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:

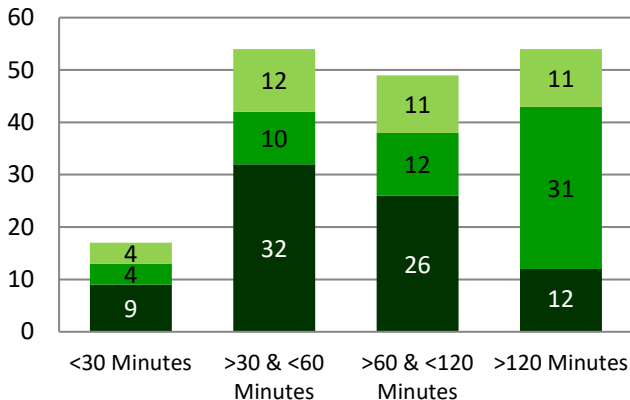
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

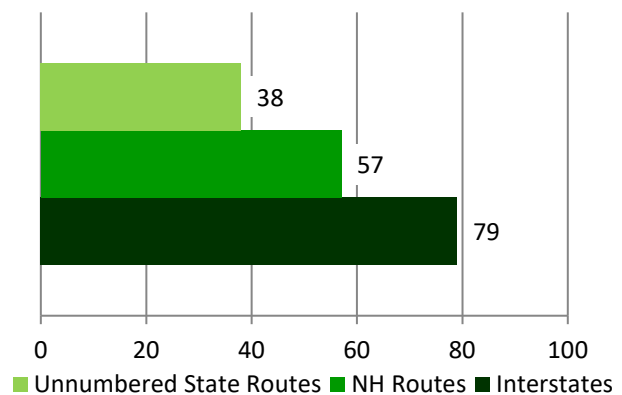
Current Month - Incident Duration

This graph shows the duration history of incidents.

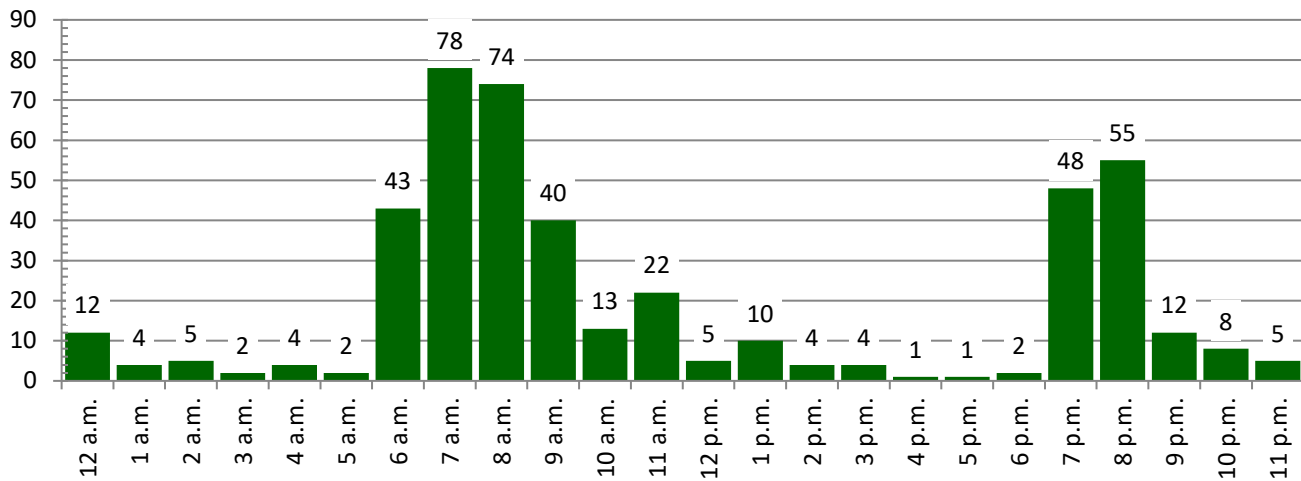


Current Month - Incident by Road

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

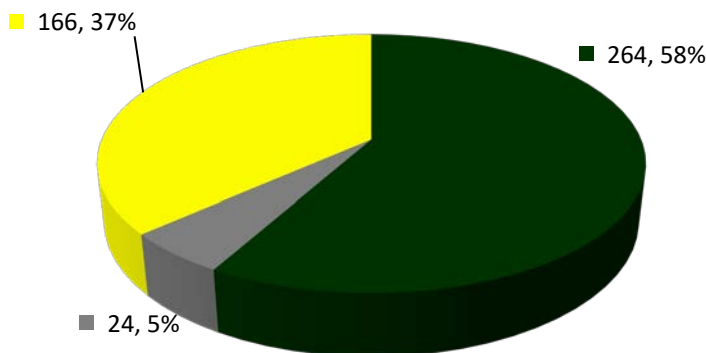


Planned Events



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



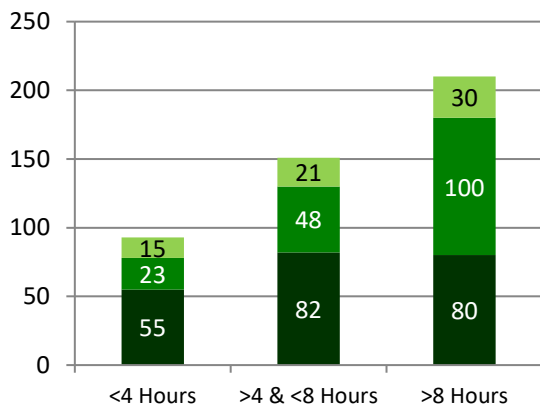
This graph shows the type of incident totals for the month.

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.

- Construction (Partial Closure)
- Construction (Full Closure)
- Bridge Maintenance (Partial Closure)
- Bridge Maintenance (Full Closure)
- Road Maintenance (Partial Closure)
- Road Maintenance (Full Closure)
- Other

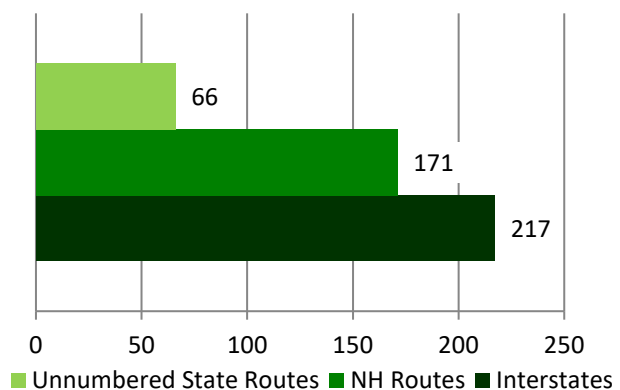
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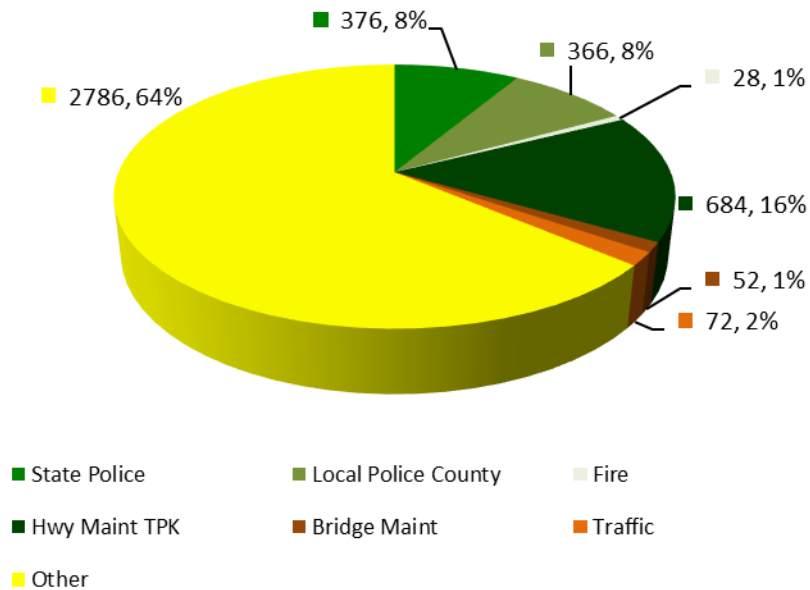
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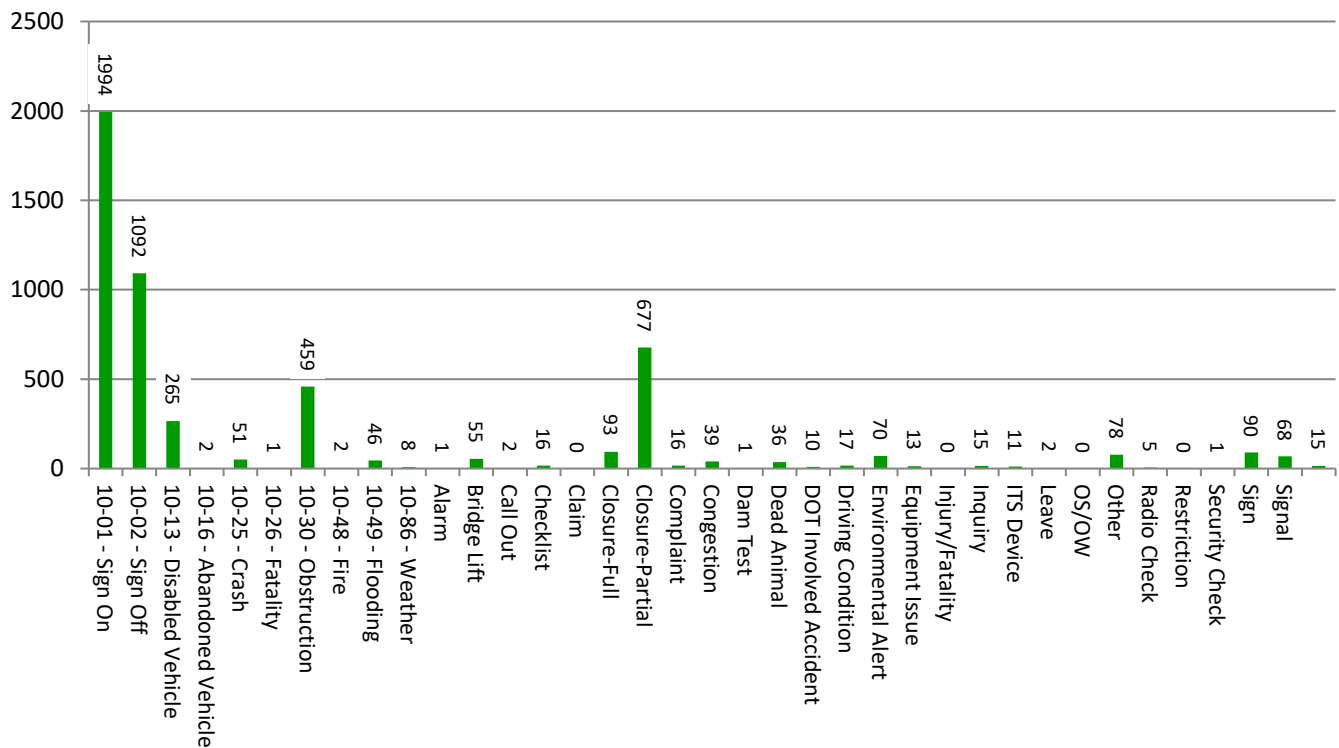
Current Month - Calls by Type

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



Log Entries by Type

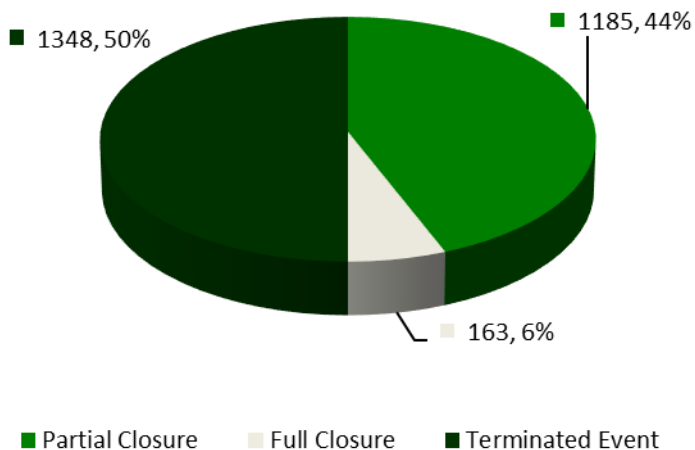
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

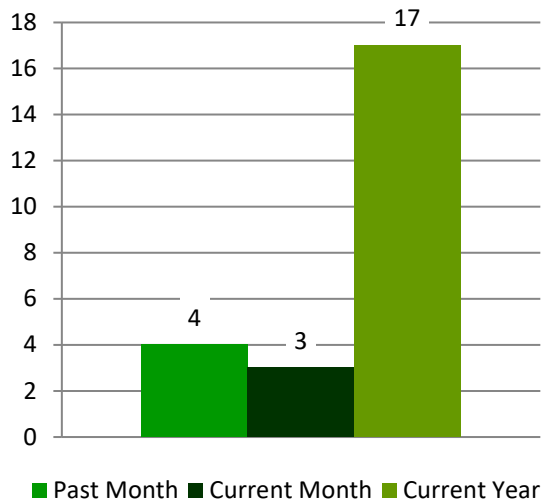
Current Month – Construction Calls

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

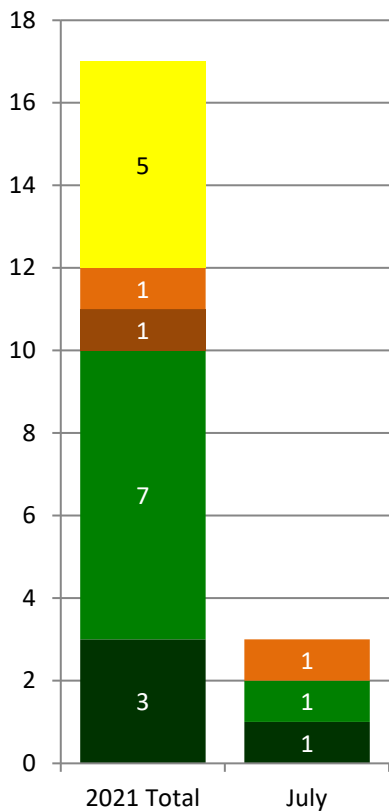


Incidents Occurring in Work Zones

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

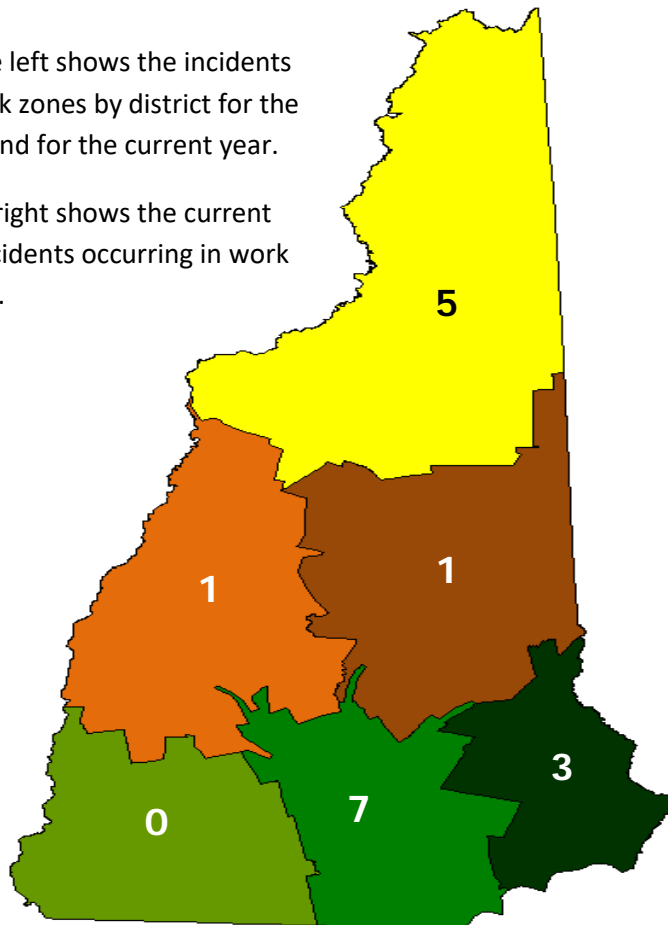


Incidents Occurring in Work Zones by Location



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

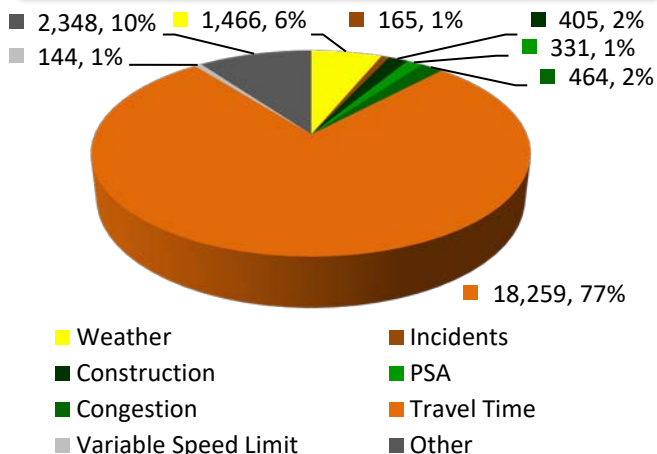
The map to the right shows the current year total for incidents occurring in work zones by district.



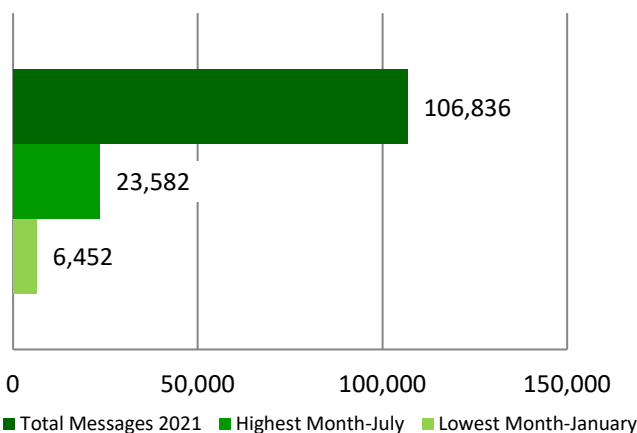
■ District 6
 ■ District 5
 ■ District 4
 ■ District 3
 ■ District 2
 ■ District 1

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.

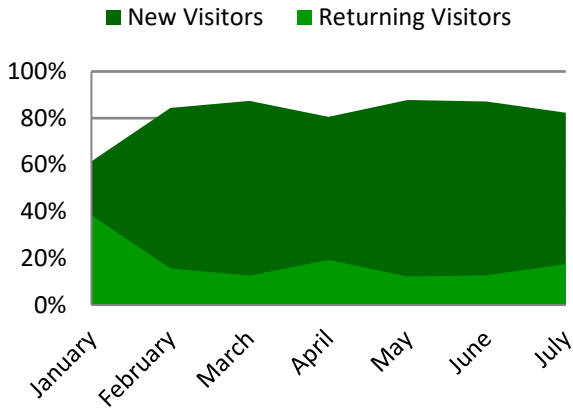
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	42	93 S 25.6 PSVT - SWZ - M03	142	95S 7.6 FSDT	420
101E 114.8 FSV6	304	93 S 26.4 PSVT - SWZ - M02	88	FEE N 1.2 FSVT	59
101E 130 FSA6	15	93 S 27.4 PSVT - SWZ - M01	27	FEE N 18.8 FSVT	30
101W 102.6 FSV5	25	93 S 31.9 PSVT - SWZ - M07	47	FEE S 3.8 FSDT	31
101W 128 PSV6	22	93 S 5.2 VSL D5	15	FEE S 8.6 FSPT	14
293N 8.8 FSPT	1,281	93 S EX 9 On-Ramp - SWZ - M09	40	I-91 N VT 69.1 PSVT - SWZ - M06	650
293S 1.4 FSD5	38	93 SM 10.7 VSL SE 5	2	ST N 1.0 FSAT	362
293S 4.8 FSDT	58	93 SM 17.8 VSL SE 5	3	ST N 4.4 FSST	32
393 W 1.9 PSV5	10	93 SM 2.2 VSL D 5	2	ST S 24.4 FSVT	404
4E 92.4 FSS6	9	93 SM 5.2 VSL D5	17	ST S 3.4 FSDT	4,814
4E 98 FSA6	16	93N 16.0 VSL D5	18	ST S 7.8 FSAT	3,538
89 N 56.8 PSVT - SWZ - M01	138	93N 16.0 VSL D5 Median	18	WA W 0.5 FSST	8
89 N 57.2 PSVT - SWZ - M02	124	93N 23.4 FSD5	1,313		
89 N 59.8 PSVT - SWZ - M03	160	93N 26.8 PSVT	29		
89 S 58.7 PSVT - SWZ - M07	8	93N 32.9 FSST	41		
89 S VT 0.9 PSVT - SWZ - M05	654	93N 36.2 FSVT	55		
89N 1.8 FSV5	250	93N 57.6 FSS3	28		
89N 18.4 FSV5	24	93N 76.4 FSV3	23		
89N 35.5 FSV2	21	93N 82.6 FSV3	18		
89N 54.9 FSS2	22	93N 99.6 FSA3	45		
89S 10.8 FSV5	511	93S 117.6 FSA1	8		
89S 3.4 FSV5	1,395	93S 122.2 FSV1	4		
89S 55.0 PSV2	14	93S 23.4 FSD5	239		
91 VT S 70.6 PSVT - SWZ - M04	605	93S 27.8 FSDT	655		
93 N 0.5 FSDT	167	93S 30.3 PSVT	56		
93 N 12.4 VSL SE 5	4	93S 32.4 FSVT	35		
93 N 2.35 VSL D 5	2	93S 36.5 FSST	31		
93 N 3.8 VSL D5	6	93S 39.0 FSV5	63		
93 N 6.6 VSL D5	17	93S 43.3 PSV5	25		
93 N 7.5 FSD5	176	93S 48.0 FSV5	45		
93 N EX 9 On-Ramp - SWZ - M08	39	93S 68.8 FSV3	23		
93 NM 12.4 VSL SE 5	4	93S 7.2 FSD5	186		
93 NM 2.35 VSL D 5	2	93S 85.4 FSV3	24		
93 NM 3.8 VSL D5	8	95N 0.4 FSVT	1,156		
93 NM 6.6 VSL D5	19	95N 13.0 FSVT	35		
93 S 10.7 VSL SE 5	2	95N 14.8 FSDT	52		
93 S 17.8 VSL SE 5	3	95N 3.0 FSDT	1,373		
93 S 2.2 VSL D 5	2	95N 4.8 PSVT	50		
93 S 22.6 PSVT - SWZ - M06	62	95S 15.4 FSDT	804		
93 S 23.3 PSVT - SWZ - M05	29	95S 3.4 FSPT	26		
93 S 25.1 PSVT - SWZ - M04	32	95S 7.2 PSVT	39		

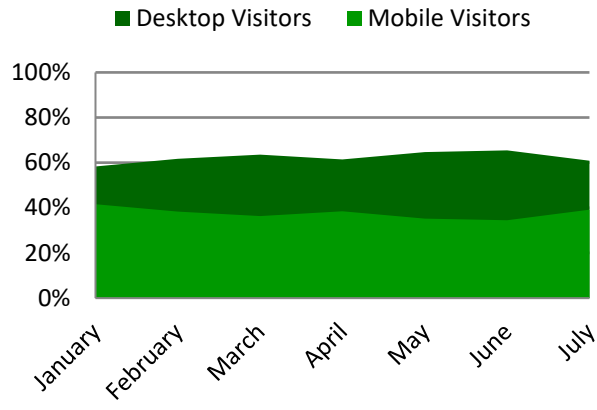
Public Outreach

1,718 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.



40,308 Total Twitter Followers

