

TMC Monthly Operational Summary



The logo for the Transportation Management Center (TMC) is a green triangle containing icons for an airplane, a bicycle, a train, and a car. To the right of the triangle, the text 'TRANSPORTATION MANAGEMENT CENTER' is written in large, green, stylized letters. Below the logo is the website address 'www.nhtmc.com'. To the right of the logo is a collage of 12 small images showing various transportation scenes: an airplane in flight, a highway interchange, a traffic camera view, a control room with multiple monitors, a road with construction, a train passing through a tunnel, a river with a bridge, a road with a guardrail, a highway interchange, a road with a guardrail, a mountain landscape, and a road with a guardrail.

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

	2022 Total	2023 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	144	146

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Dynamic Message Signs (DMS)

	2022 Total	2023 Total
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	57	57
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)

	2022 Total	2023 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.	38	38

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Variable Speed Limit Sign (VSL)

	2022 Total	2023 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	21	21

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Motor Vehicle Detection System (MVDS)

	2022 Total	2023 Total
MVDS are sensors that collect speed and volume data.	39	39

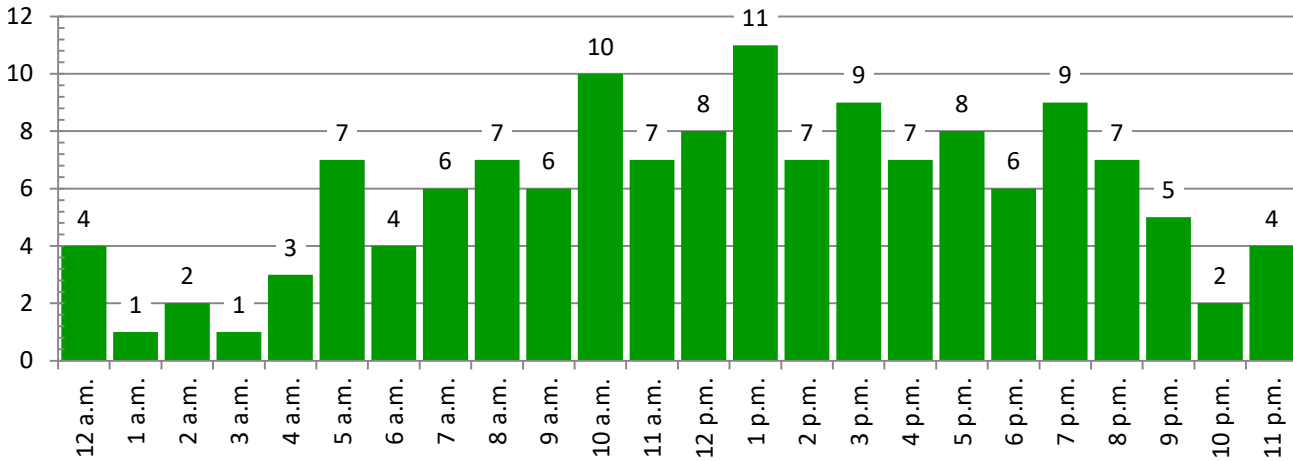
MVDS are sensors that collect speed and volume data.



Summary

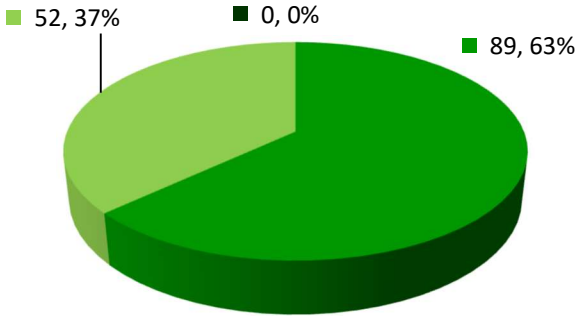
	Current Month	2023 Total
Unplanned Incidents		
	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	141	332
Planned Incidents		
	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	81	175
Communication		
	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,748	8,058
Work Zones Communication		
	Total Construction Calls	
Construction related activities or communication that is outside of planned incidents.	732	1674
DMS Messages		
	Total Messages	
All changes to DMS are logged and reviewed.	18,574	36,631
Public Outreach		
	Total NHTMC.com Webpage Users	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,972	3,212
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.	2	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.

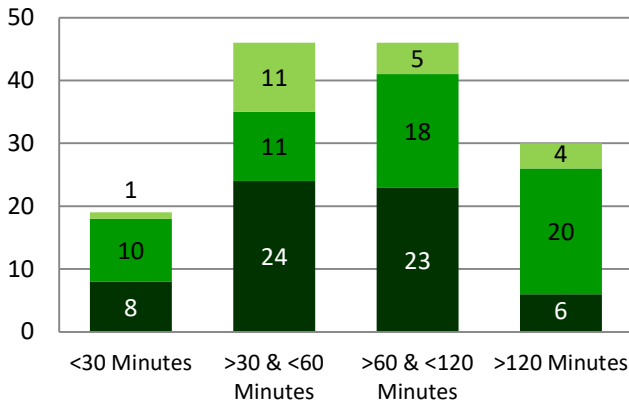
Partial Closure: Only a part of the roadway was closed.

Full Closure: All lanes were closed during the incident.

■ No Closure ■ Partial Closure ■ Full Closure

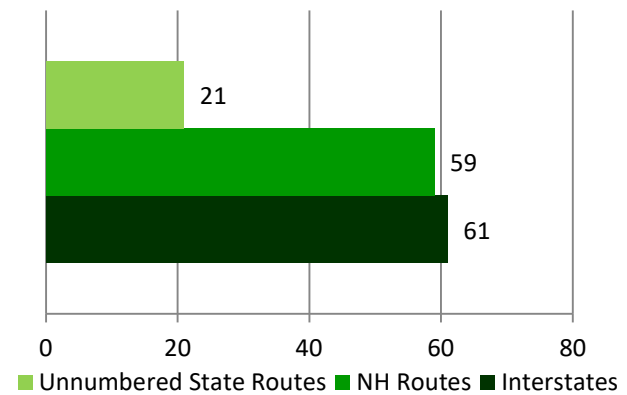
Current Month - Incident Duration

This graph shows the duration history of incidents.

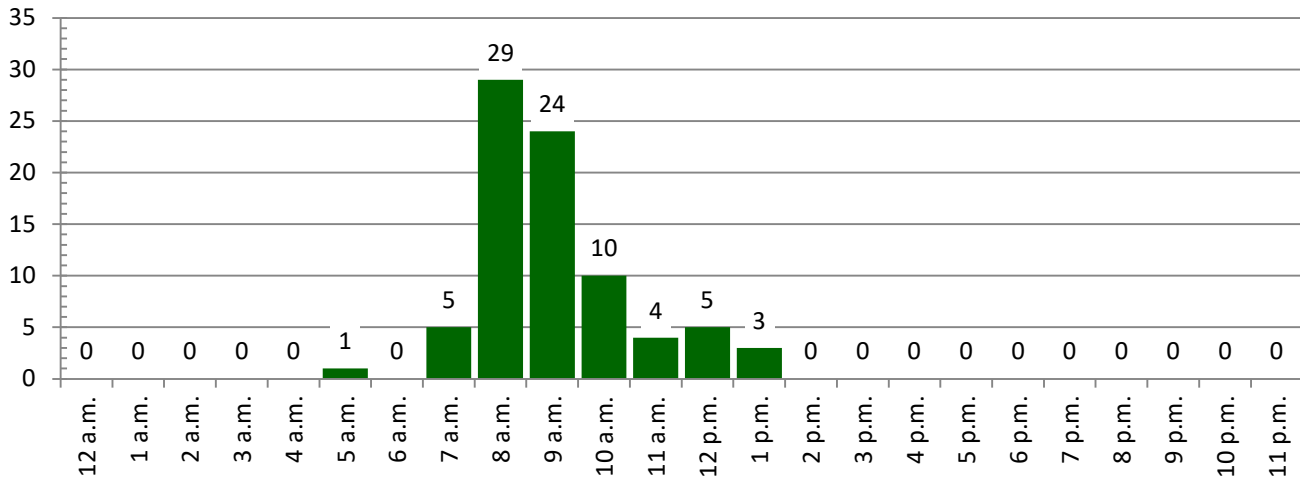


Current Month - Incident by Road

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

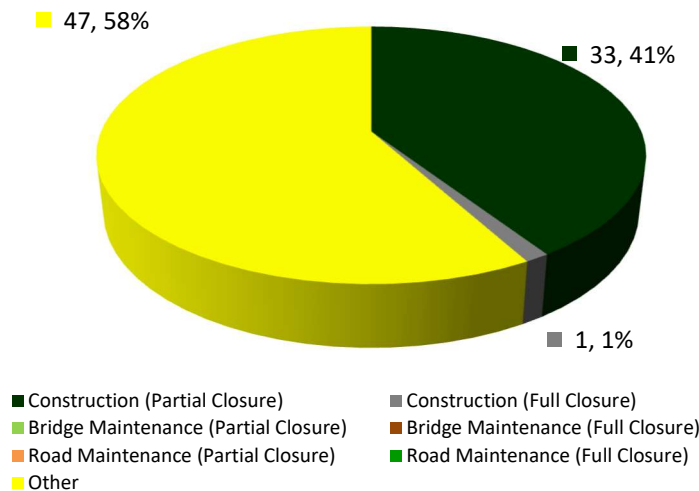


Planned Events



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

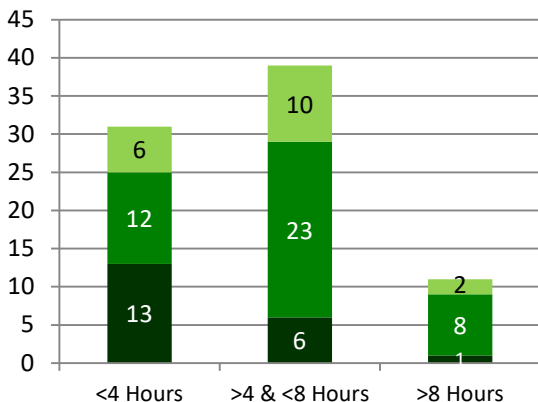


This graph shows the type of incident totals for the month.

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.

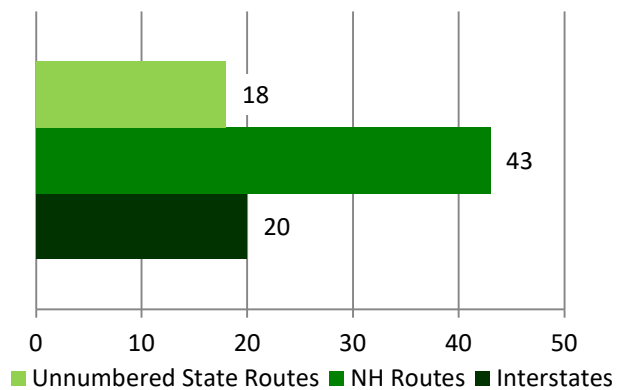
Current Month - Incident Duration

This graph shows the duration history of incidents.



Current Month - Incident by Road

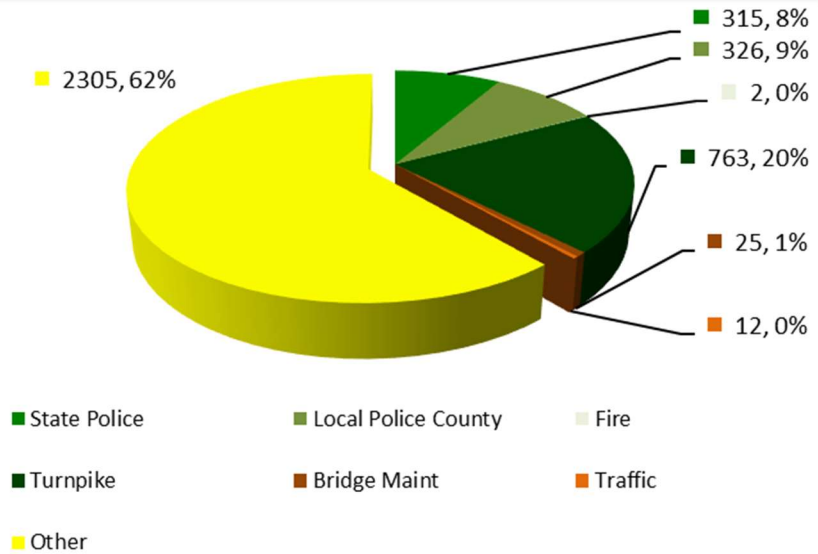
This graph shows which type of roadway the incidents occurred on.



Communication

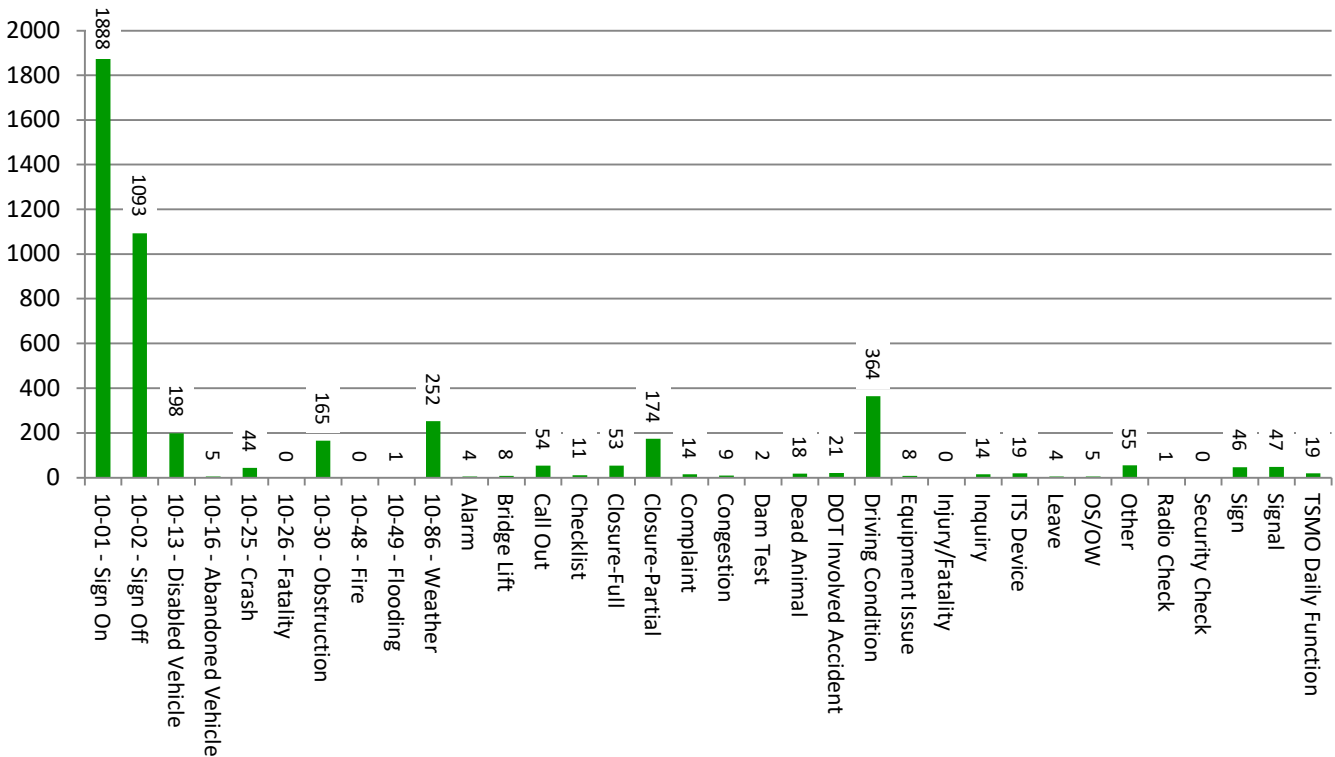
Current Month - Calls by Type

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



Log Entries by Type

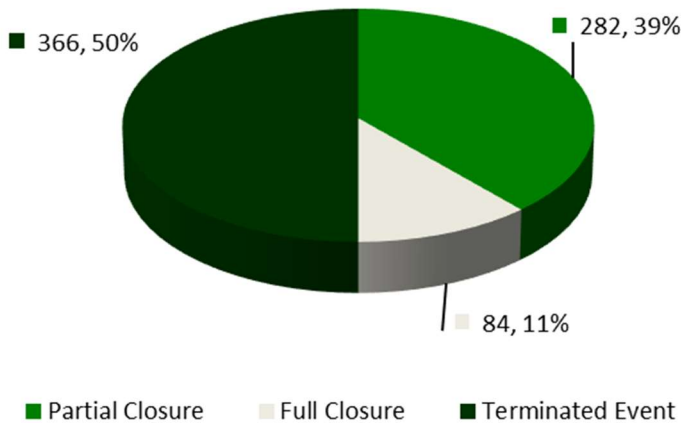
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



Work Zone Communication

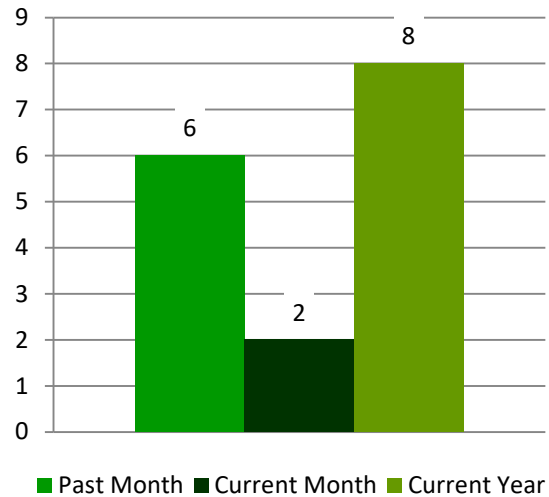
Current Month – Construction Calls

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

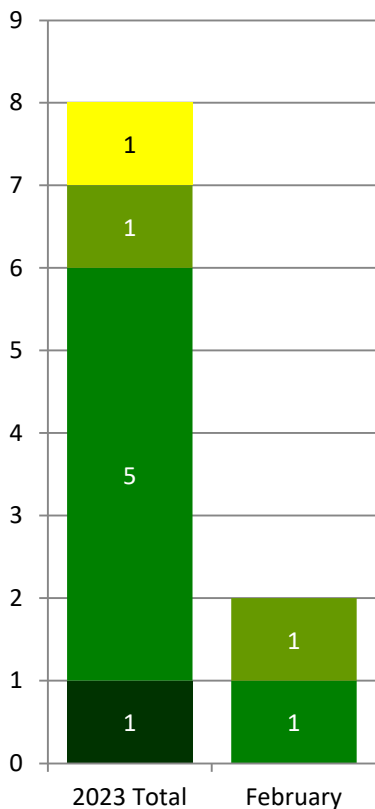


Incidents Occurring in Work Zones

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

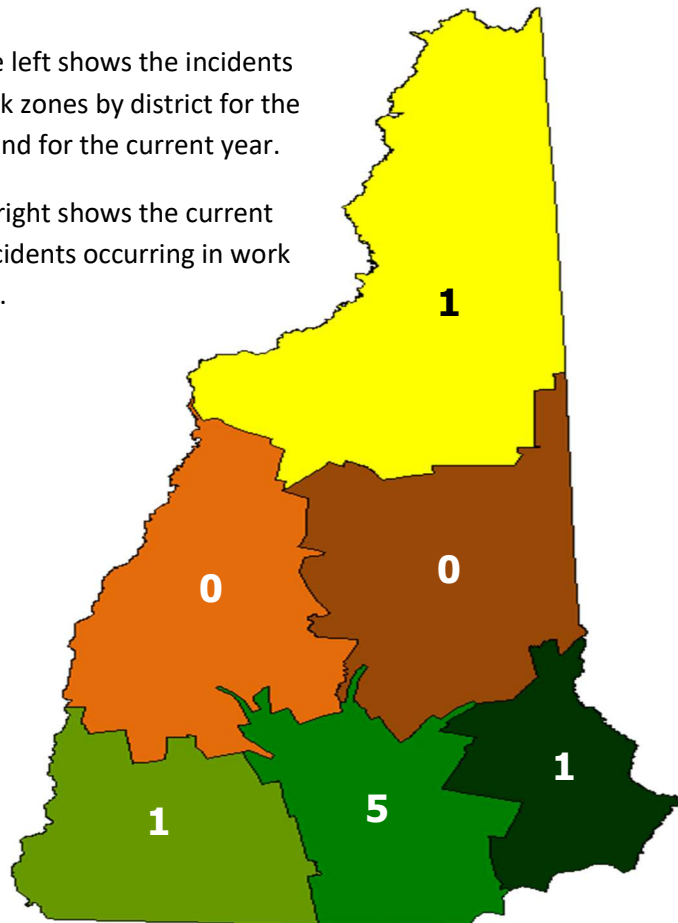


Incidents Occurring in Work Zones by Location



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

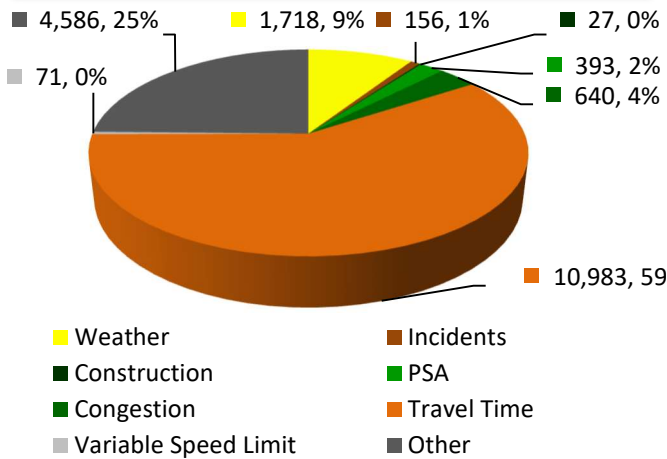
The map to the right shows the current year total for incidents occurring in work zones by district.



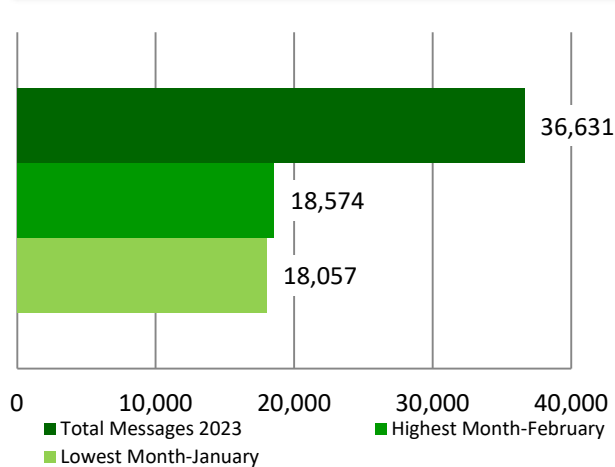
■ District 6
 ■ District 5
 ■ District 4
 ■ District 3
 ■ District 2
 ■ District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 2023



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.

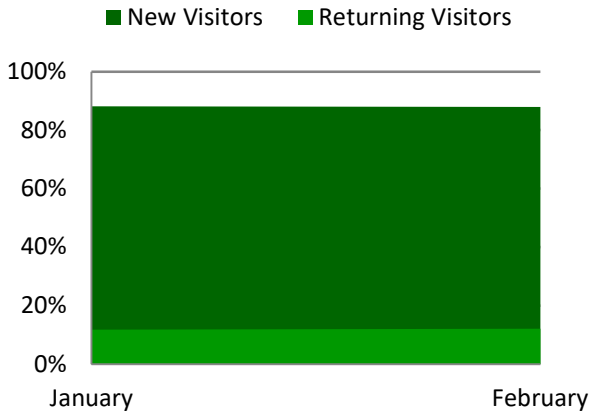
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	94	89S 31.4 PSP5	40	93S 43.3 PSV5	23
101 E 53 PSWC - SWZ - M04	107	89S 42.6 PSV2	53	93S 48.0 FSV5	49
101 W 54.3 PSWC - SWZ - M03	385	89S 55.0 PSV2	52	93S 57.6 PSP5	26
101E 102 PSP5	23	89S 57.7 FSS2	65	93S 68.8 FSV3	46
101E 114.8 FSV6	218	91 N VT 69.1 PSV VT - SWZ - M06	175	93S 7.2 FSD5	147
101W 102.6 FSV5	43	91 S VT 70.6 PSV VT - SWZ - M04	184	93S 85.4 FSV3	46
101W 115 PSP5	25	93 N 0.5 FSDT	138	95N 0.4 FSVT	53
101W 128 PSV6	33	93 N 2.35 VSL D 5	5	95N 13.0 FSVT	52
16N 35.0 PSV3	23	93 N 3.8 VSL D5	5	95N 14.8 FSDT	70
16S 75.4 FSV3	22	93 N 6.6 VSL D5	5	95N 3.0 FSDT	162
293 S 4.7 PSWC - SWZ - M02	67	93 N 7.5 FSD5	225	95S 15.4 FSDT	145
293 S 5.2 PSWC - SWZ - M01	58	93 NM 2.35 VSL D 5	6	95S 3.4 FSPT	48
293N 8.8 FSPT	18	93 NM 3.8 VSL D5	5	95S 7.6 FSDT	143
293S 1.4 FSD5	85	93 NM 6.6 VSL D5	5	FEE N 1.2 FSVT	38
293S 4.8 FSDT	91	93 S 2.2 VSL D 5	5	FEE N 15.2 PSWC - SWZ - M07	112
393 W 1.9 PSV5	26	93 S 23.3 PSVT - SWZ - M05	57	FEE N 16.2 PSVT	46
4 W 98.9 FSS6	34	93 S 25.1 PSVT - SWZ - M04	45	FEE N 17.5 PSWC - SWZ - M06	133
4E 92.4 FSS6	17	93 S 25.6 PSVT - SWZ - M03	47	FEE N 17.8 FSVT	39
4E 98 FSA6	33	93 S 26.4 PSVT - SWZ - M02	85	FEE N 18.0 PSWC - SWZ - M05	134
89 N 23.2 PSV2 - SWZ - M01	14	93 S 27.4 PSVT - SWZ - M01	37	FEE N 5.2 PSVT	45
89 N 23.7 PSV2 - SWZ - M02	11	93 S 31.9 PSVT - SWZ - M07	53	FEE S 17.8 PSVT	46
89 N 26.4 PSV2 - SWZ - M03	15	93 S 5.2 VSL D5	5	FEE S 3.8 FSDT	57
89 N 28.4 PSV2 - SWZ - M08	15	93 SM 2.2 VSL D 5	5	FEE S 8.6 FSPT	21
89 N 30.2 PSV2 - SWZ - M04	20	93 SM 5.2 VSL D5	5	ST N 1.0 FSAT	2,663
89 N 56.8 PSV2 - SWZ - M01	67	93N 16.0 VSL D5	5	ST N 16.2 PSVT - SWZ - M06	19
89 N 57.2 PSV2 - SWZ - M02	55	93N 16.0 VSL D5 Median	5	ST N 16.7 PSVT - SWZ - M05	105
89 N 59.8 PSV2 - SWZ - M03	58	93N 23.4 FSD5	727	ST N 19.2 PSVT	45
89 S 28.0 PSV2 - SWZ - M07	17	93N 32.9 FSST	35	ST N 4.3 PSVT - SWZ - M01	585
89 S 31.0 PSV2 - SWZ - M09	17	93N 36.2 FSVT	62	ST N 4.4 FSST	66
89 S 31.9 PSV2 - SWZ - M06	15	93N 43.8 PSP5	23	ST N 5.0 PSVT - SWZ - M02	232
89 S 32.5 PSV2 - SWZ - M05	16	93N 76.4 FSV3	29	ST S 18.25 PSVT - SWZ - M07	136
89 S 58.7 PSV2 - SWV - M07	48	93N 99.6 FSA3	63	ST S 19.25 PSVT - SWZ - M08	17
89 S VT 0.9 PSV VT - SWZ - M05	138	93S 117.6 FSA1	37	ST S 24.4 FSVT	229
89N 1.8 FSV5	176	93S 122.2 FSV1	30	ST S 3.4 FSDT	3,518
89N 18.4 FSS5	62	93S 14.4 VSL D5	5	ST S 34.4 PSVT	42
89N 35.5 FSV2	56	93S 14.4 VSL D5 Median	5	ST S 6.6 PSVT - SWZ - M03	890
89N 43.8 PSV2	57	93S 23.4 FSD5	229	ST S 6.9 PSVT - SWZ - M04	51
89N 49.0 PSV2	20	93S 27.8 FSDT	862	ST S 7.8 FSAT	2,234
89N 54.9 FSS2	45	93S 32.4 FSVT	26		
89S 10.8 FSV5	36	93S 36.5 FSST	33		
89S 3.4 FSV5	129	93S 39.0 FSV5	89		

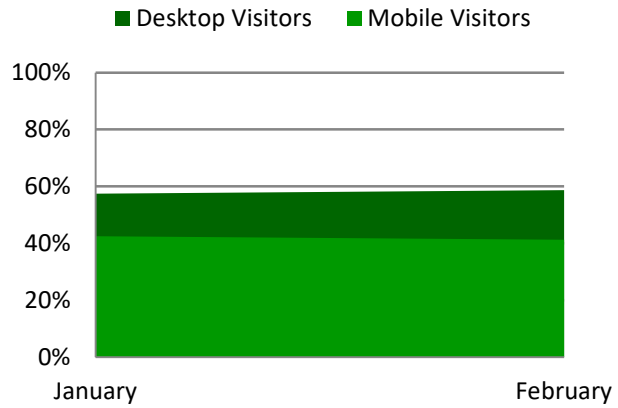
Public Outreach

1,972 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.



44,366 Total Twitter Followers

