

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 light, a control room, a road construction site, a tunnel entrance, a river bridge, a mountain landscape, and a road with a construction vehicle.

Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

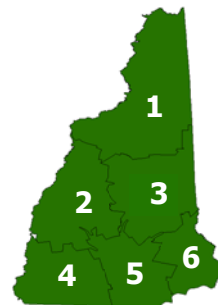
Transportation excellence enhancing the quality of life in New Hampshire.

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	103



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
	16 ¹	15 ¹
	20 ²	20 ²

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
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	25



Variable Speed Limit Sign (VSL)

	2018 Total	2019 Total
VSL are speed limits that change based on road, traffic, and weather conditions.	20	18



Motor Vehicle Detection System (MVDS)

	2018 Total	2019 Total
MVDS are sensors that collect speed and volume data.	7	8



Summary

	Current Month	2019 Total
Unplanned Incidents	Total Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	88	1,324

	Current Month	2019 Total
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	421	2,927

	Current Month	2019 Total
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,631	34,259

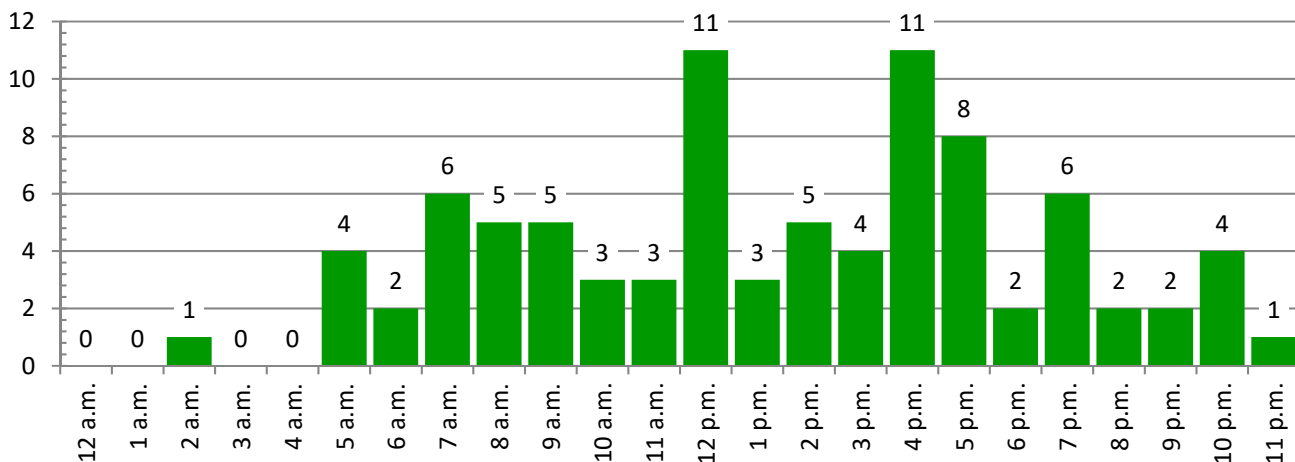
	Current Month	2019 Total
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that's outside of planned incidents.	1,996	15,428

	Current Month	2019 Total
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	27,202	198,476

	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.	1,084	12,736

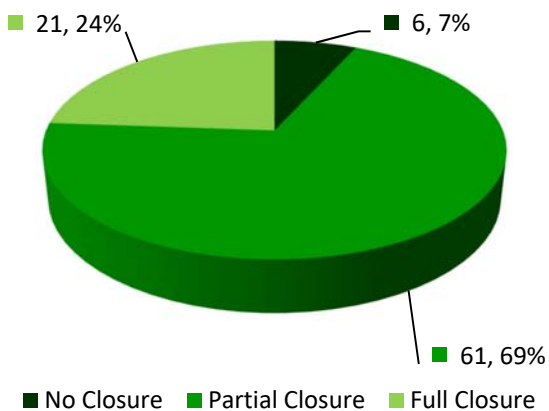
	Current Month	2019 Total
Storm Desk Activations	Total Storm Desk Activations	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	3

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



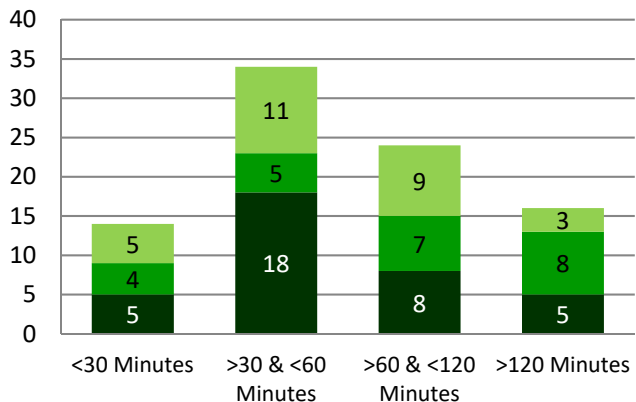
This graph shows the type of incident totals for the month.

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.

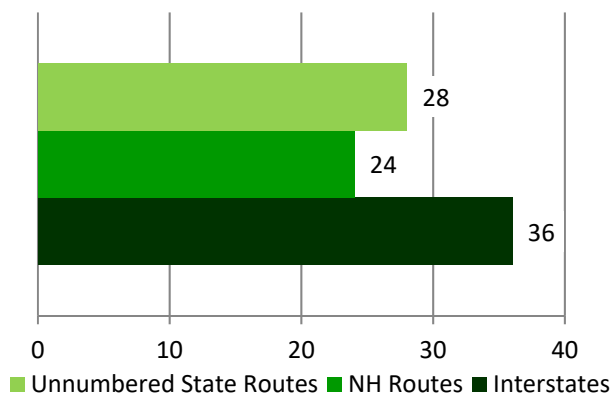
Current Month - Incident Duration

This graph shows the duration history of incidents.

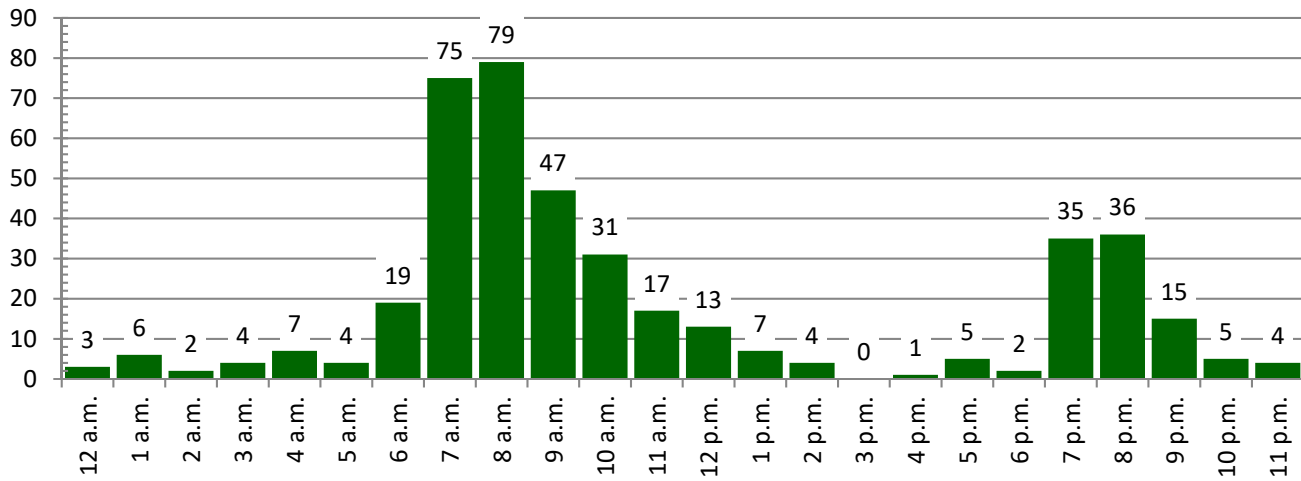


Current Month - Incident by Road

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

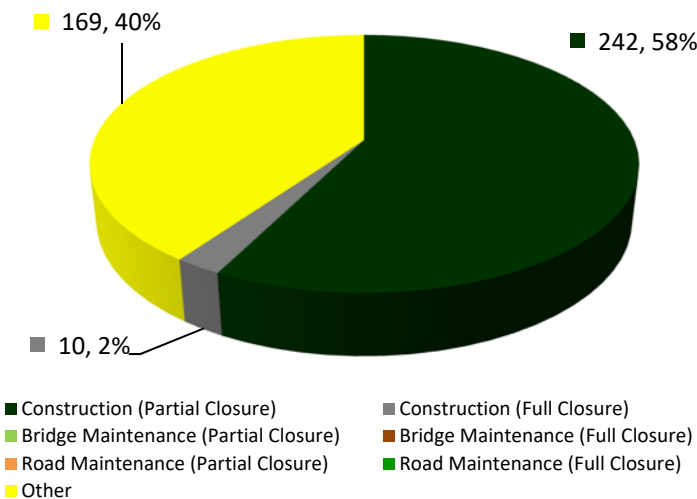


Planned Events



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



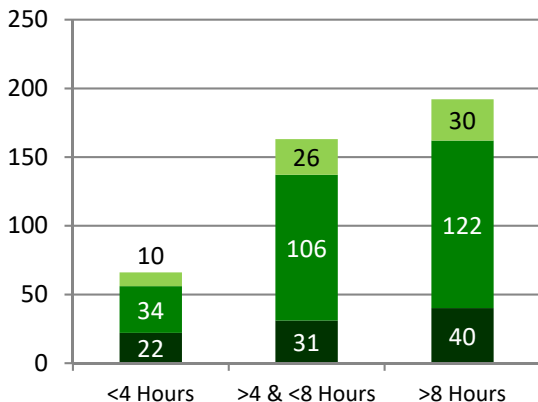
This graph shows the type of incident totals for the month.

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

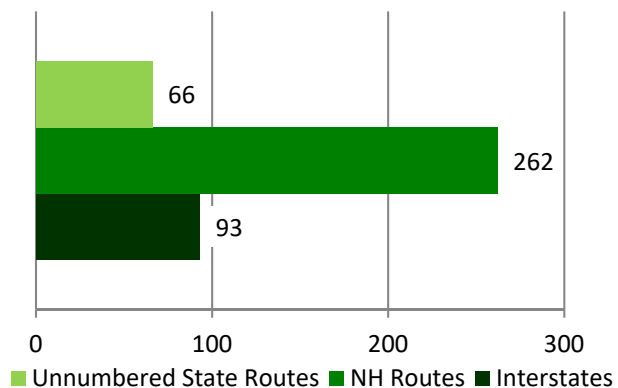
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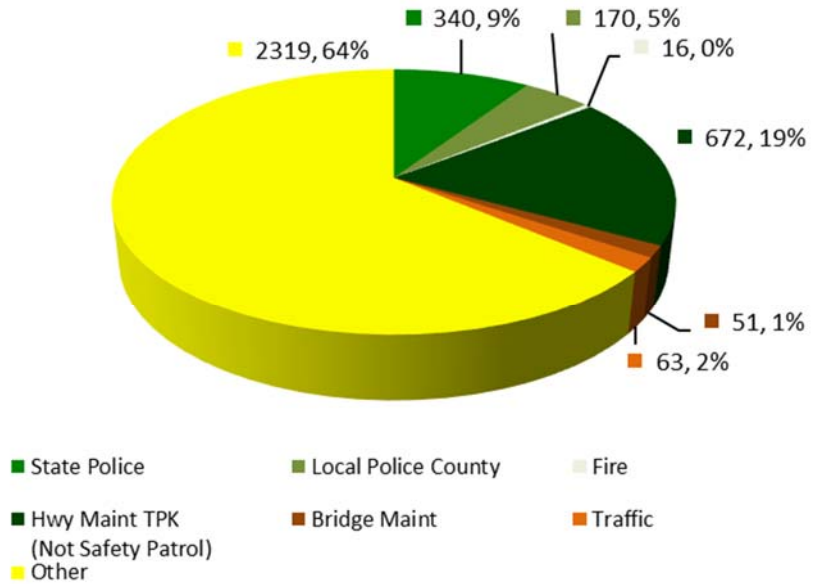
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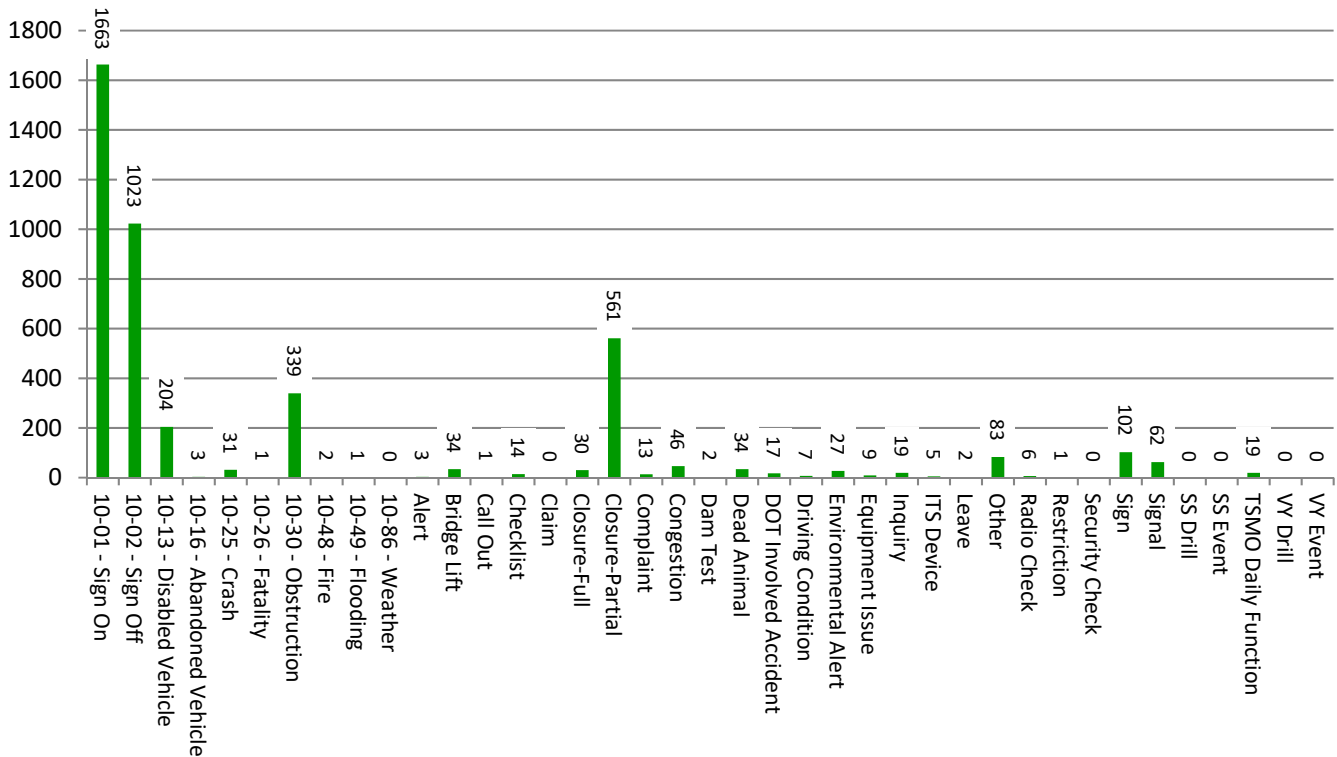
Current Month - Calls by Type

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



Log Entries by Type

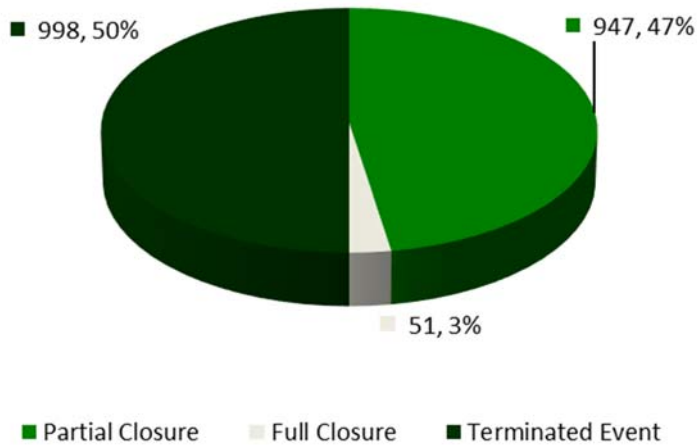
This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.



Work Zone Communication

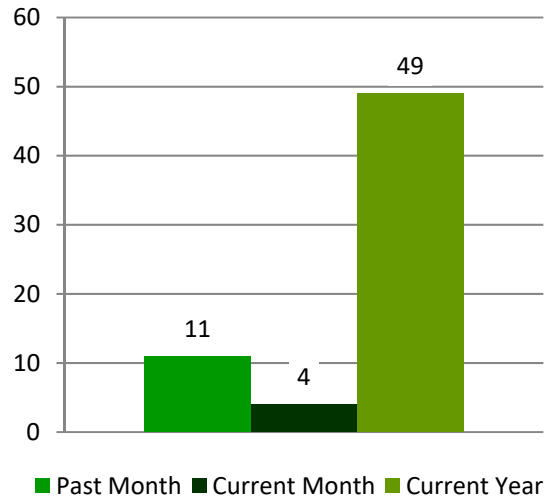
Current Month – Construction Calls

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

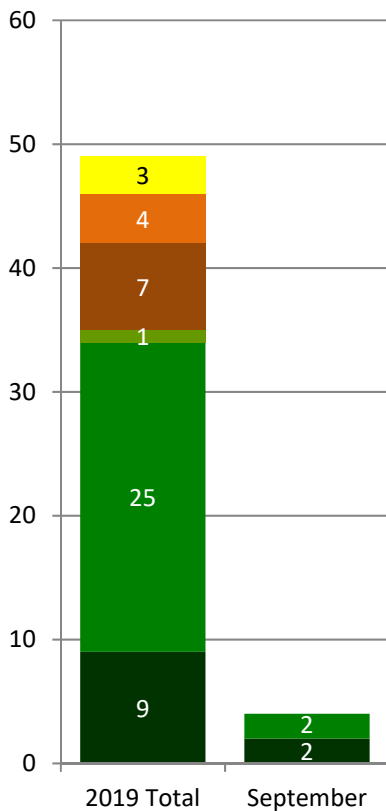


Incidents Occurring in Work Zones

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

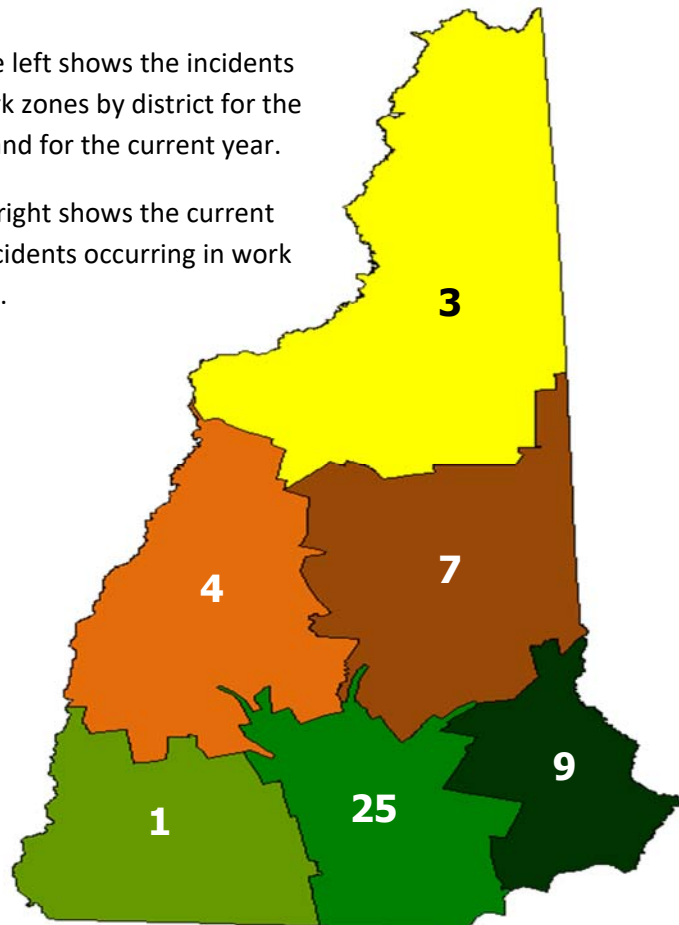


Incidents Occurring in Work Zones by Location



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

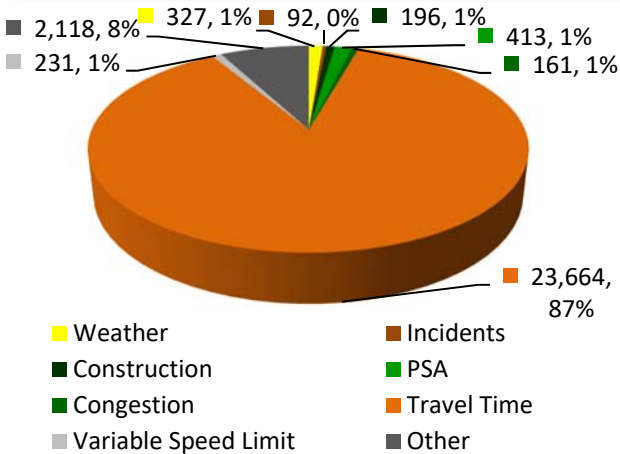
The map to the right shows the current year total for incidents occurring in work zones by district.



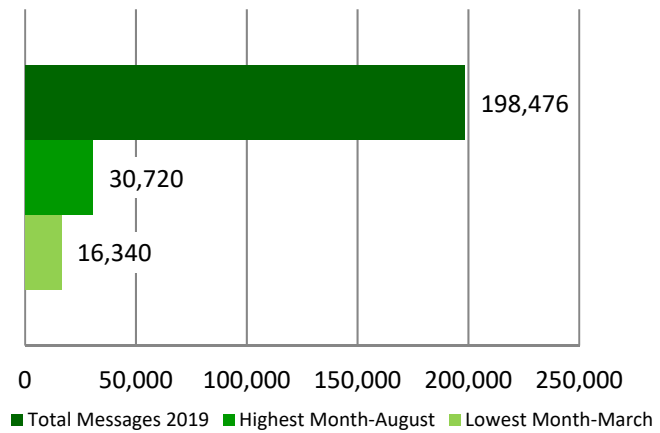
■ District 6
 ■ District 5
 ■ District 4
■ District 3
 ■ District 2
 ■ District 1

DMS Messages

Current Month - Messages by Type



Total Messages - 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.

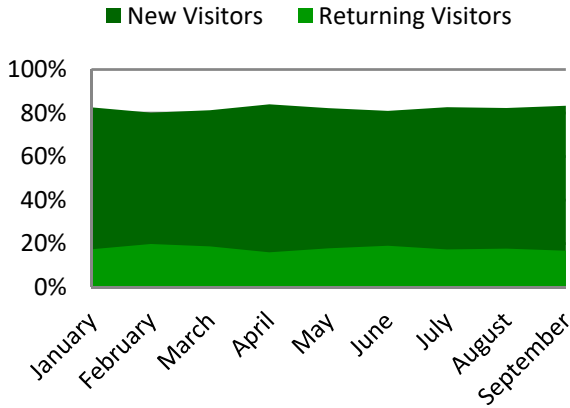
Current Month - Total Messages Posted by Board

101E 130 FSA6	9	93S 14.4 VSL D5 Median	60
101E 53.4 FSV5	414	93S 15.85 PCMS - SWZ M12	720
101W 102.6 FSV5	35	93S 2.6 PCMS - SWZ M08	323
293 N 0.9 PCMS - SWZ M04	173	93S 20.1 PCMS - SWZ M13	836
293 S 3.8 PCMS - SWZ M01	127	93S 23.4 FSD5	811
293N 8.8 FSPT	509	93S 27.8 FSDT	2,002
293S 1.4 FSD5	51	93S 30.4 PSVT	15
293S 2.2 PCMS - SWZ M06	955	93S 32.4 FSVT	17
293S 4.8 FSVT	19	93S 39.0 FSV5	49
393 W 1.9 PSV5	15	93S 43.3 PSV5	15
4E 92.4 FSS6	17	93S 48.0 FSV5	35
4E 98 FSA6	3	93S 5.2 PCMS - SWZ M09	357
89N 1.8 FSV5	159	93S 68.8 FSV3	4
89N 18.4 FSV5	164	93S 7.2 FSD5	210
89N 35.5 FSV2	11	93S 85.4 FSV3	10
89N 54.9 FSS2	6	93S 99.2 FSA3	7
89S 10.8 FSV5	278	95N 0.4 FSVT	201
89S 3.4 FSV5	870	95N 13.0 FSVT	36
89S 55.0 PSV2	2	95N 14.8 FSDT	88
89S 57.7 FSS2	170	95N 3.0 FSDT	173
93 N 6.6 VSL D5	54	95N 4.6 PSVT	38
93 NM 6.6 VSL D5	54	95S 15.4 FSDT	553
93 S 5.2 VSL D5	2	95S 3.4 FSPT	3
93N 0.0 PCMS - SWZ M01	1,154	95S 7.1 PSVT	38
93N 0.3 FSD5	993	95S 7.6 FSDT	286
93N 1.35 PCMS - SWZ M07	1,030	FEE N 1.2 FSVT	87
93N 10.95 PCMS - SWZ M04	769	FEE N 16.2 PCMS - SWZ M03	450
93N 14.8 PCMS - SWZ M05	555	FEE N 18 PCMS - SWZ M02	324
93N 2.6 PCMS - SWZ M03	968	FEE N 18.8 FSVT	196
93N 23.4 FSD5	481	FEE S 8.6 FSPT	5
93N 27.0 PSVT	29	ST N 1.0 FSAT	877
93N 32.4 FSVT	38	ST S 11.6 FSA6	196
93N 36.2 FSVT	52	ST S 24.4 FSVT	371
93N 57.6 FSS3	4	ST S 3.4 FSDT	3,147
93N 7.2 FSD5	989	ST S 7.8 FSAT	2,849
93N 76.4 FSV3	14	WA W 0.5 FSST	16
93N 99.6 FSA3	11		
93S 117.6 FSA1	1		
93S 122.2 FSV1	4		
93S 13.8 PCMS - SWZ M11	547		
93S 14.4 VSL D5	61		

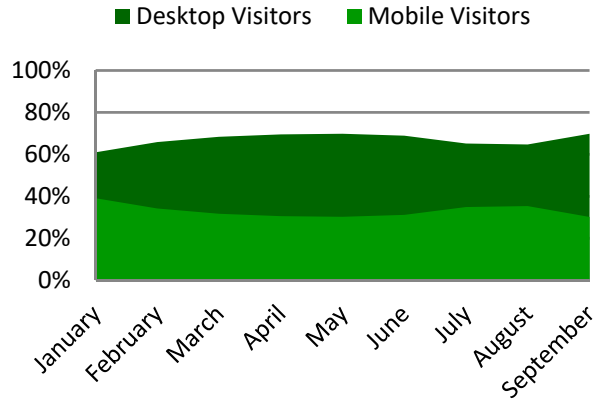
Public Outreach

1,084 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.



39,083 Total Twitter Followers

