

TMC Monthly Operational Summary



Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

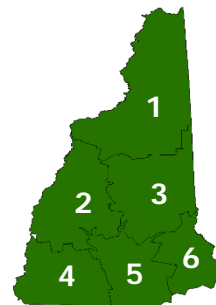
Transportation excellence enhancing the quality of life in New Hampshire.

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

	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

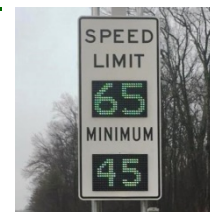
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Variable Speed Limit Sign (VSL)

	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

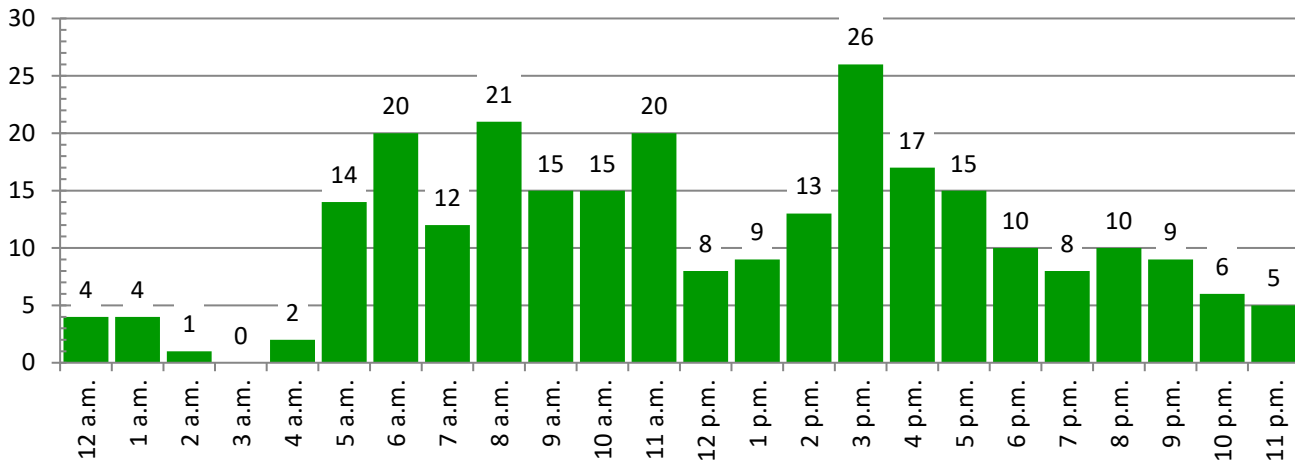
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Summary

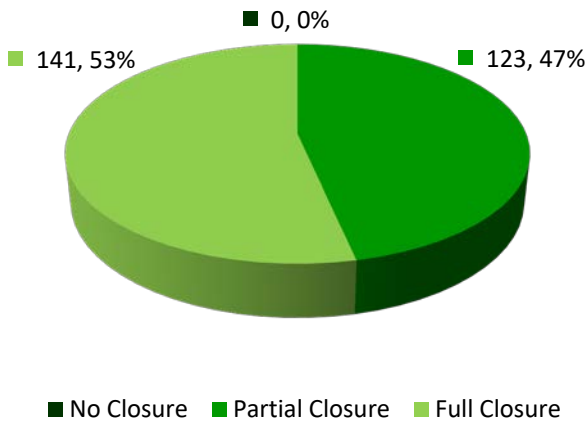
	Current Month	2023 Total
Unplanned Incidents	Total Unplanned Incidents	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	264	1,823
Planned Incidents	Total Planned Incidents	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	166	4,074
Communication	Total Calls	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	4,632	56,131
Work Zones Communication	Total Construction Calls	
Construction related activities or communication that is outside of planned incidents.	1,446	21,376
DMS Messages	Total Messages	
All changes to DMS are logged and reviewed.	18,229	306,339
Public Outreach	Total NHTMC.com Webpage Users	
Operators use New England 511 and nhtmc.com to inform motorists about traffic events and other road related information.	1,240	14,226
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	9

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:

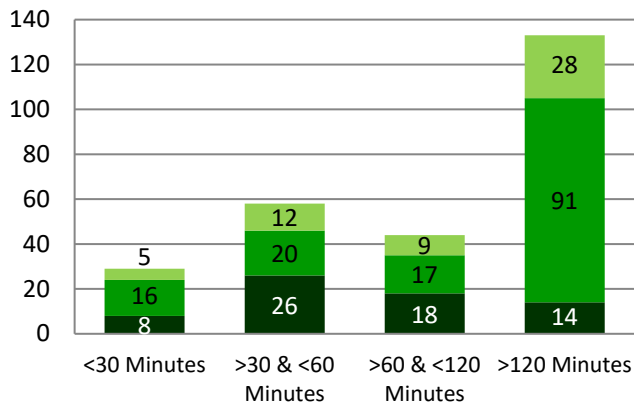
No Closure: No lane closures occurred during the incident.

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

Full Closure: All lanes were closed during the incident.

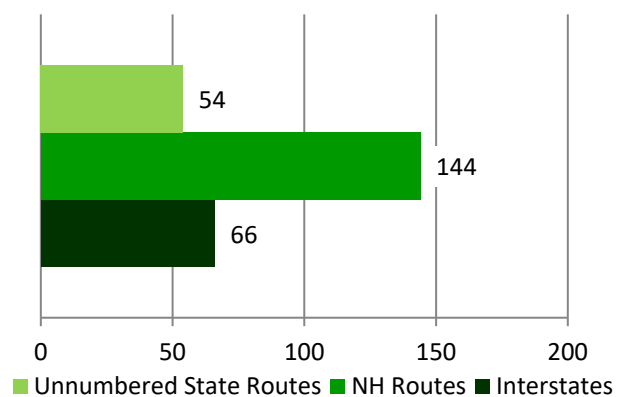
Current Month - Incident Duration

This graph shows the duration history of incidents.

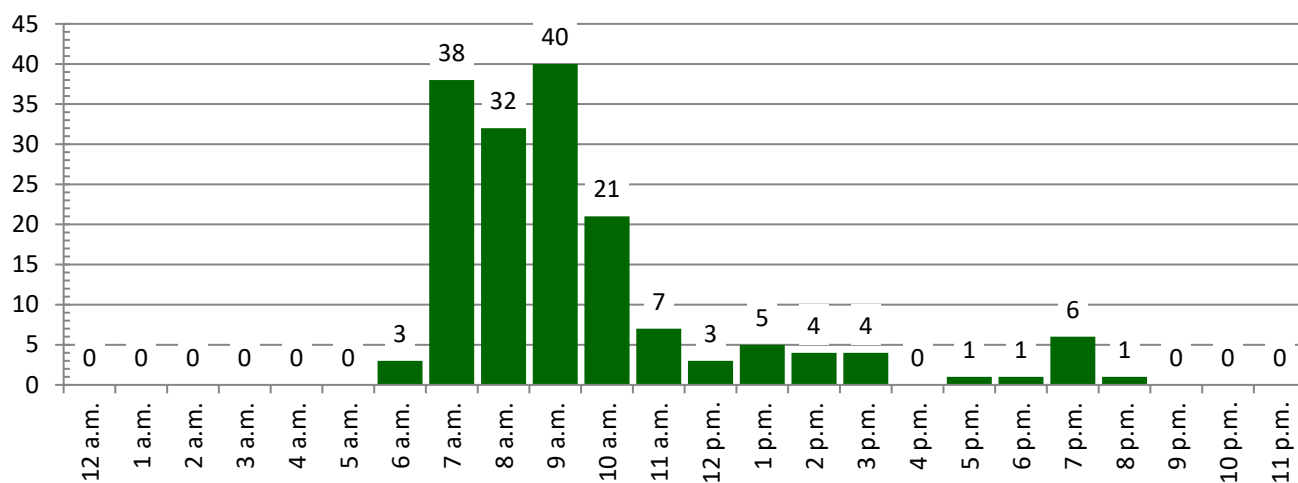


Current Month - Incident by Road

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

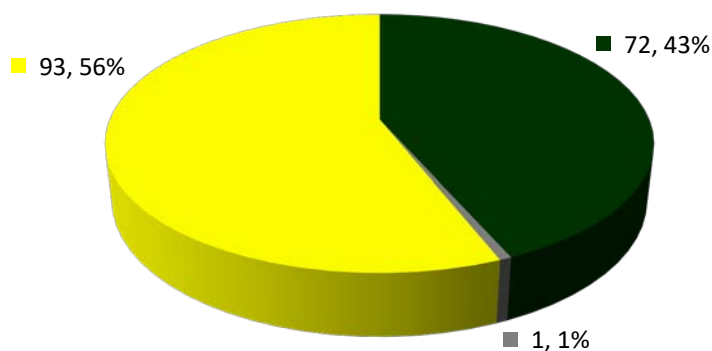


Planned Events



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



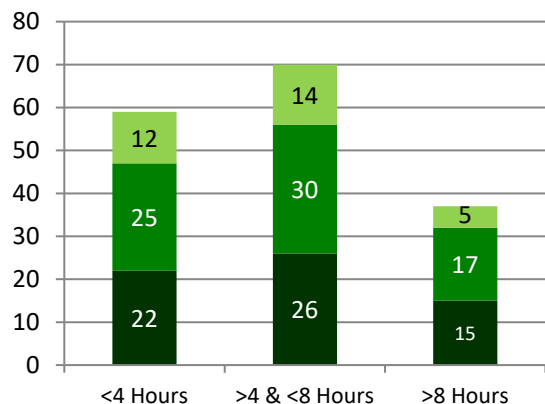
This graph shows the type of incident totals for the month.

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

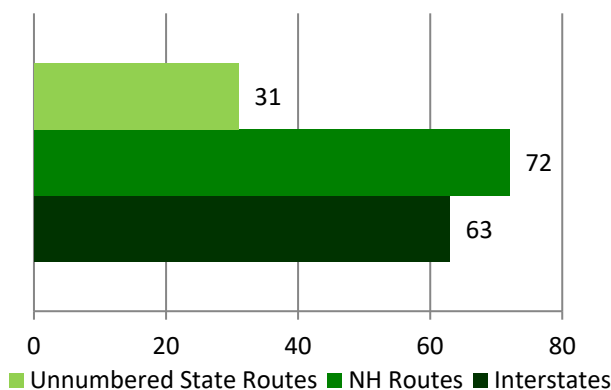
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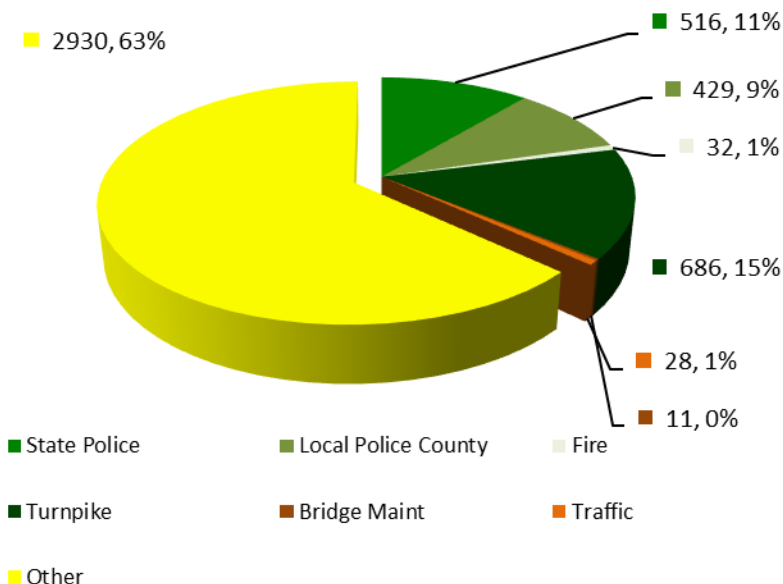
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Communication

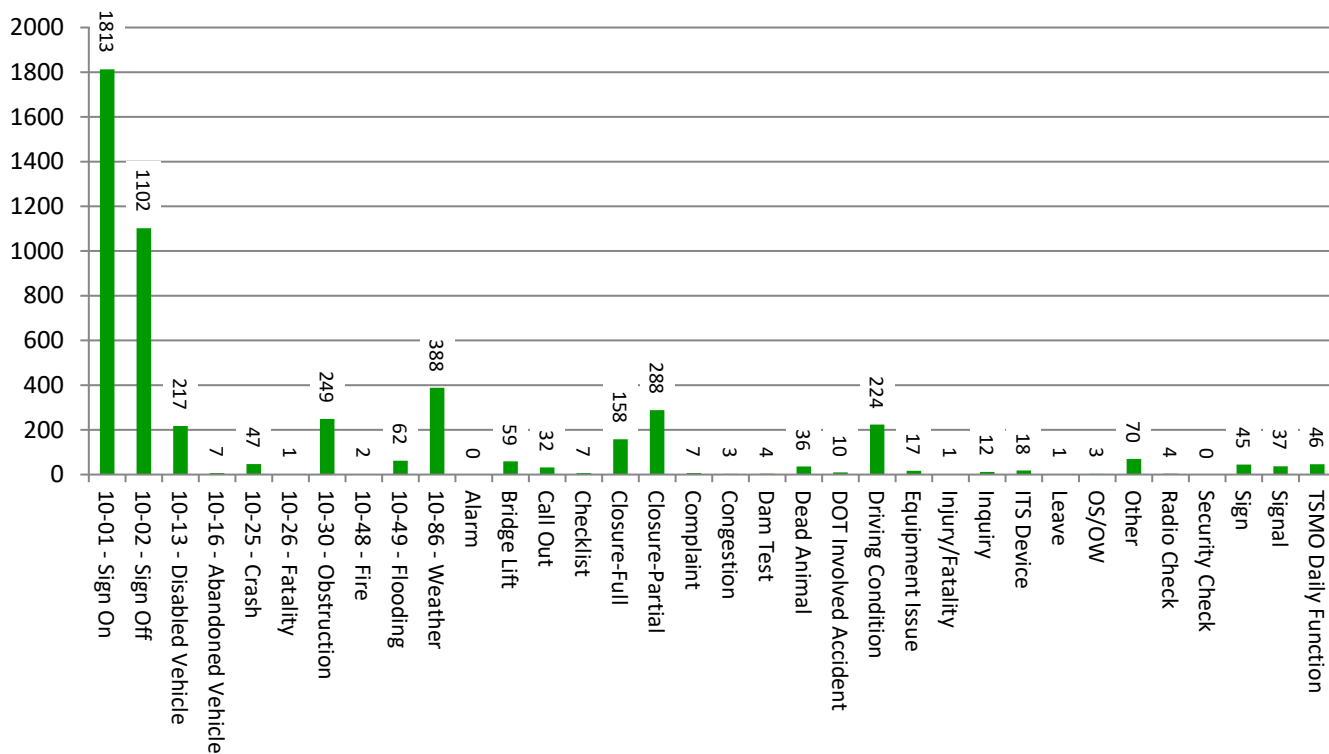
Current Month - Calls by Type

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



Log Entries by Type

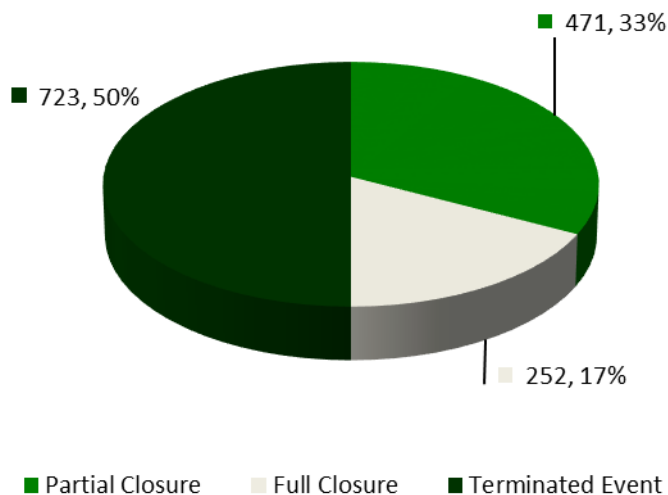
This graph shows the amount of log entries by type that TMC Operators have input into the Compass ATMS for the current month.



Work Zone Communication

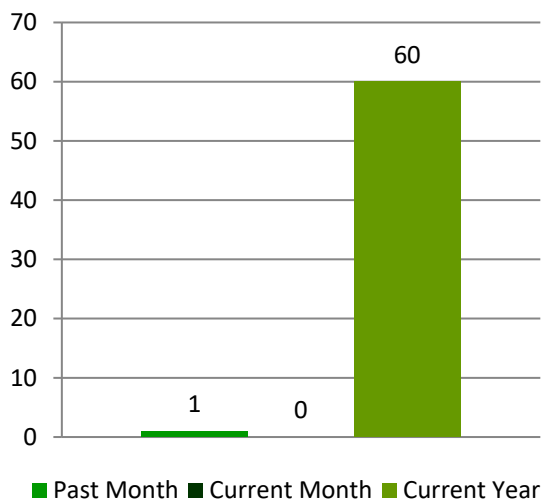
Current Month – Construction Calls

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

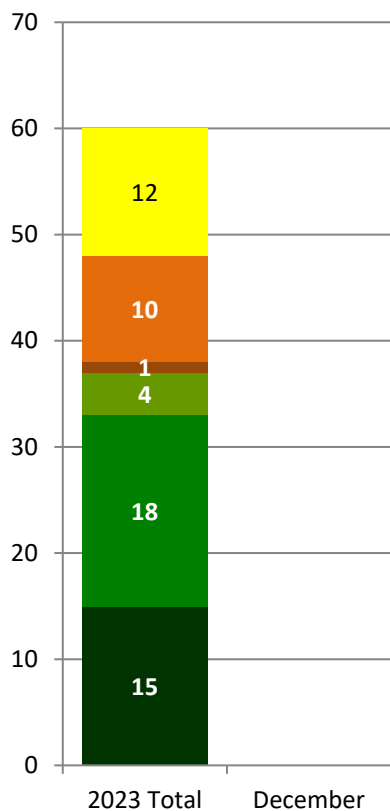


Incidents Occurring in Work Zones

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

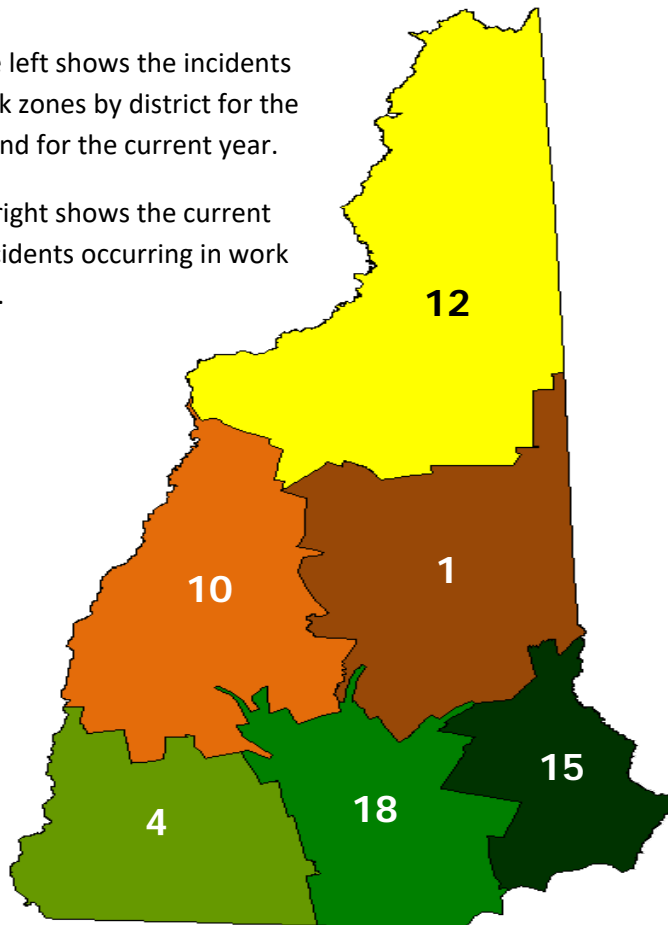


Incidents Occurring in Work Zones by Location



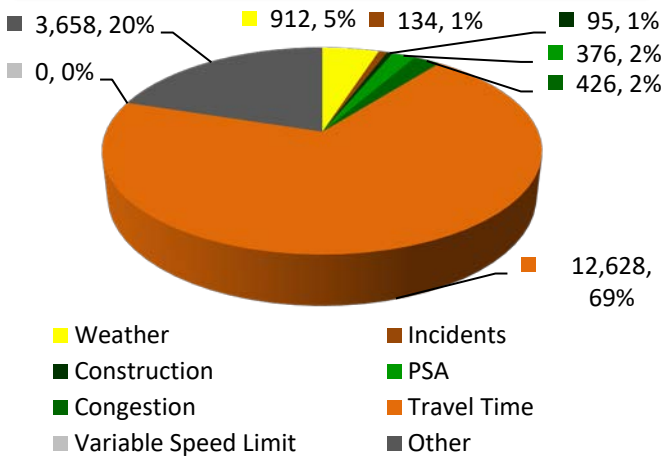
The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

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

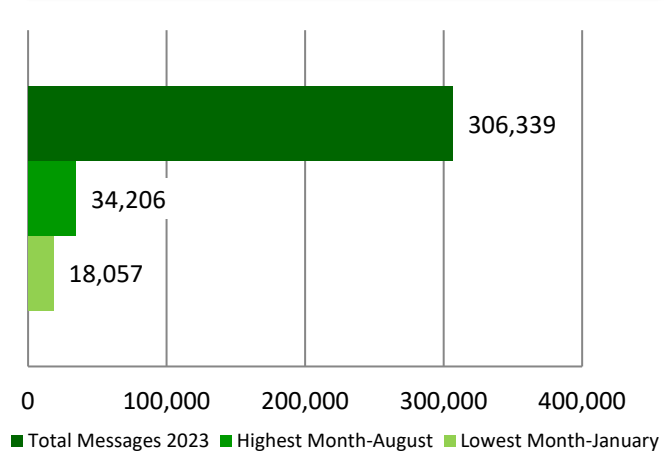


DMS Messages

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.

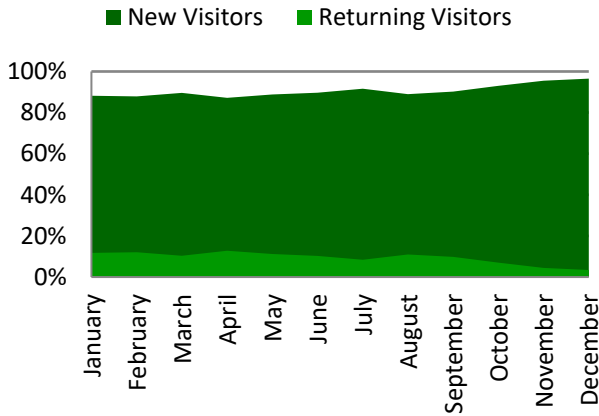
Current Month - Total Messages Posted by Board

101 E 52.8 FSV5	60	89S 55.0 PSV2	46	ST N 16.2 PSVT - SWZ - M06	82
101E 102 PSP5	12	89S 57.7 FSS2	47	ST N 16.7 PSVT - SWZ - M05	12
101E 114.8 FSV6	242	91 N VT 69.1 PSV VT - SWZ - M06	59	ST N 19.2 PSVT	12
101W 102.6 FSV5	14	91 S VT 70.6 PSV VT - SWZ - M04	63	ST N 4.3 PSVT - SWZ - M01	528
101W 115 PSP5	8	93 N 0.5 FSDT	233	ST N 4.4 FSST	33
101W 128 PSV6	16	93 N 7.5 FSD5	251	ST N 5.0 PSVT - SWZ - M02	61
16N 35.0 PSV3	16	93N 23.4 FSD5	822	ST N 7.0 SKVT	9
16S 75.4 FSV3	18	93N 32.9 FSS2	30	ST S 18.25 PSVT - SWZ - M07	99
293N 8.8 FSPT	651	93N 36.2 FSVT	44	ST S 19.25 PSVT - SWZ - M08	5
293S 1.4 FSD5	71	93N 43.8 PSP5	18	ST S 24.4 FSVT	153
293S 4.8 FSDT	67	93N 76.4 FSV3	37	ST S 3.4 FSDT	3,809
393 W 1.9 PSV5	17	93N 82.6 FSV3	26	ST S 34.4 PSVT	12
4 W 98.9 FSS6	30	93N 99.6 FSA3	56	ST S 6.9 PSVT - SWZ - M04	93
4E 92.4 FSS6	17	93S 117.6 FSA1	24	ST S 7.8 FSAT	2,717
4E 98 FSA6	53	93S 122.2 FSV1	23	WA W 0.5 FSST	18
89 N 23.2 PSV2 - SWZ - M01	325	93S 23.4 FSD5	296		
89 N 23.7 PSV2 - SWZ - M02	333	93S 27.8 FSDT	1,031		
89 N 26.4 PSV2 - SWZ - M03	300	93S 32.5 FSVT	7		
89 N 28.4 PSV2 - SWZ - M08	289	93S 36.5 FSST	29		
89 N 30.2 PSV2 - SWZ - M04	199	93S 39.0 FSV5	79		
89 N 56.8 PSV2 - SWZ - M01	82	93S 43.3 PSV5	25		
89 N 57.2 PSV2 - SWZ - M02	30	93S 48.0 FSV5	28		
89 N 57.3 FSS 2	6	93S 57.6 PSP5	12		
89 N 59.8 PSV2 - SWZ - M03	50	93S 68.8 FSV3	50		
89 S 28.0 PSV2 - SWZ - M07	13	93S 7.2 FSD5	166		
89 S 31.0 PSV2 - SWZ - M09	34	93S 85.4 FSV3	56		
89 S 31.9 PSV2 - SWZ - M06	147	95MN 12.8 PSVT	18		
89 S 32.5 PSV2 - SWZ - M05	144	95N 0.4 FSVT	13		
89 S 58.7 PSV2 - SWV - M07	20	95N 14.8 FSDT	36		
89 S VT 0.9 PSV VT - SWZ - M05	63	95N 3.0 FSDT	123		
89N 1.8 FSV5	170	95S 15.4 FSDT	107		
89N 18.4 FSS5	41	95S 3.4 FSPT	16		
89N 31.4 PSV2	7	95S 7.6 FSDT	147		
89N 35.5 FSV2	27	FEE N 1.2 FSVT	44		
89N 43.8 PSV2	32	FEE N 14.0 PSVT - SWZ - M-02	30		
89N 49.0 PSV2	44	FEE N 5.2 PSVT	17		
89N 54.9 FSS2	28	FEE N 9.0 PSVT - SWZ - M-03	4		
89S 10.8 FSV5	146	FEE S 17.5 FSVT - SWZ - M-01	12		
89S 3.4 FSV5	2,472	FEE S 3.8 FSDT	44		
89S 31.4 PSP5	52	RW W 0.7 PSVT - SWZ - M-04	10		
89S 42.6 PSV2	51	ST N 1.0 FSAT	10		

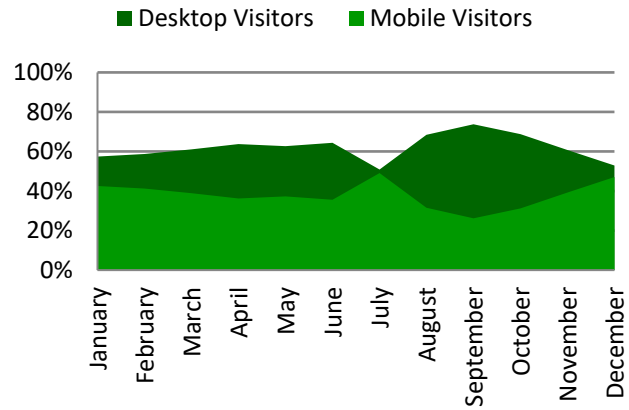
Public Outreach

1,240 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.



20,275 Total NewEngland511 Accounts

www.NewEngland511.org Notifications

