



Bureau of Transportation Systems Management & Operations (TSMO)

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***NH Department of Transportation's Mission***

*Transportation excellence enhancing the quality of life in New Hampshire.*

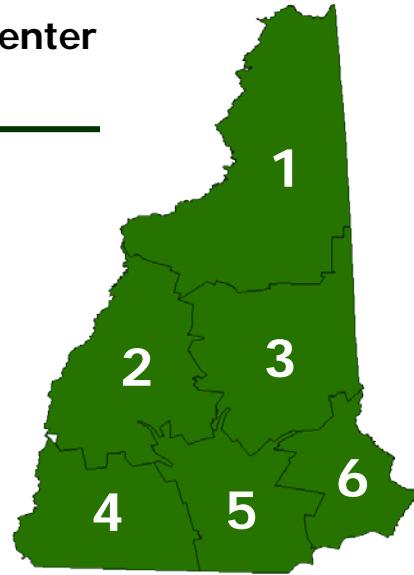
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***Transportation Management Center's Mission***

*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.



## ITS Equipment List

Closed-Circuit Television (CCTV) Cameras	2016 Total	2017 Total
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CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.

91

90



### Dynamic Message Signs (DMS)

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

52

52



### Road Weather Information System (RWIS)

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



### Variable Speed Limit Sign (VSL)

VSL are speed limits that change based on road, traffic, and weather conditions.

19

20



# Summary

	Current Month	2017 Total
<b>Unplanned Incidents</b>	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	217	373

	Current Month	2017 Total
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	48	129

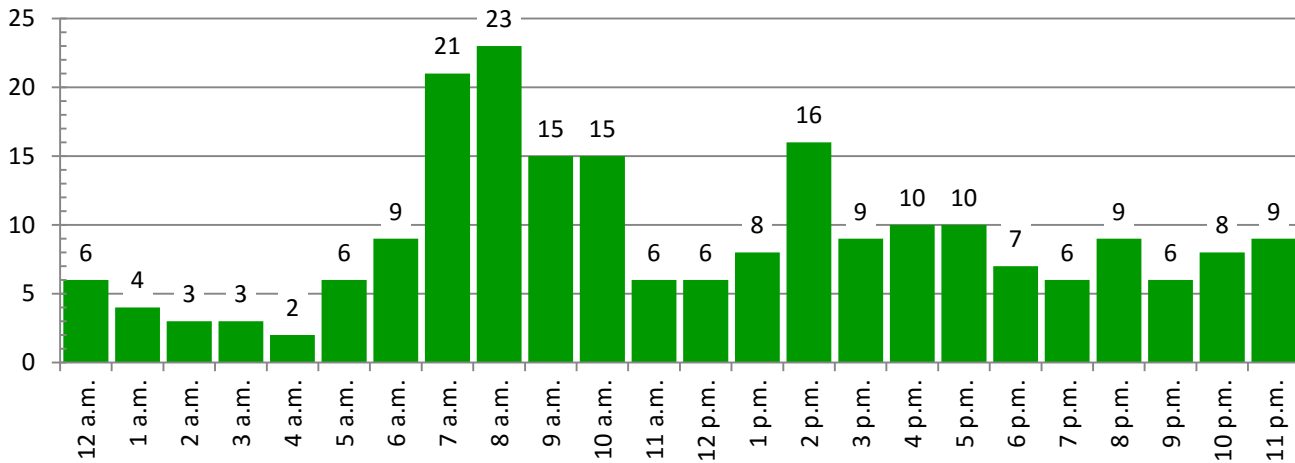
	Current Month	2017 Total
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,828	5,163

	Current Month	2017 Total
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	153	361

	Current Month	2017 Total
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	7,230	15,671

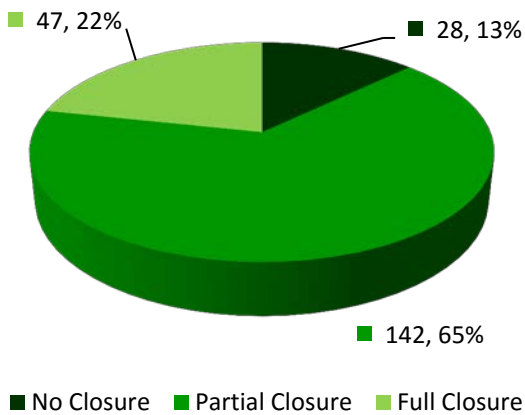
	Current Month	2017 Total
<b>Public Outreach</b>	<b>Total NHTMC.com Webpage Users</b>	
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	4,234	7,140

# 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:

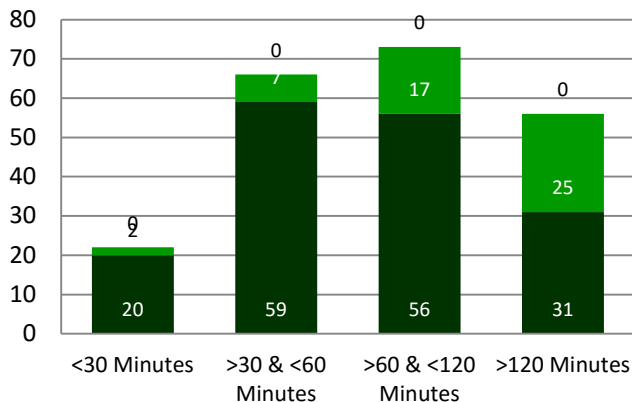
**No Closure:** No lane closures occurred during the incident.

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

**Full Closure:** All lanes were closed during the incident.

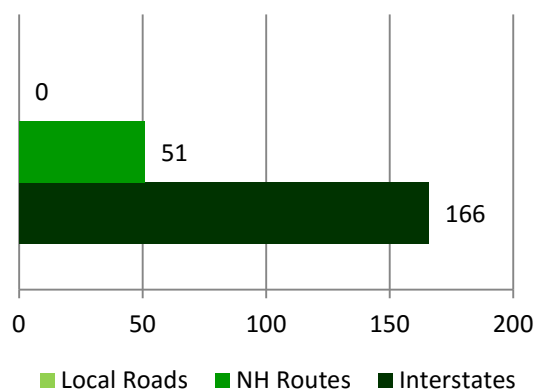
## Current Month - Incident Duration

This graph shows the duration history of incidents.

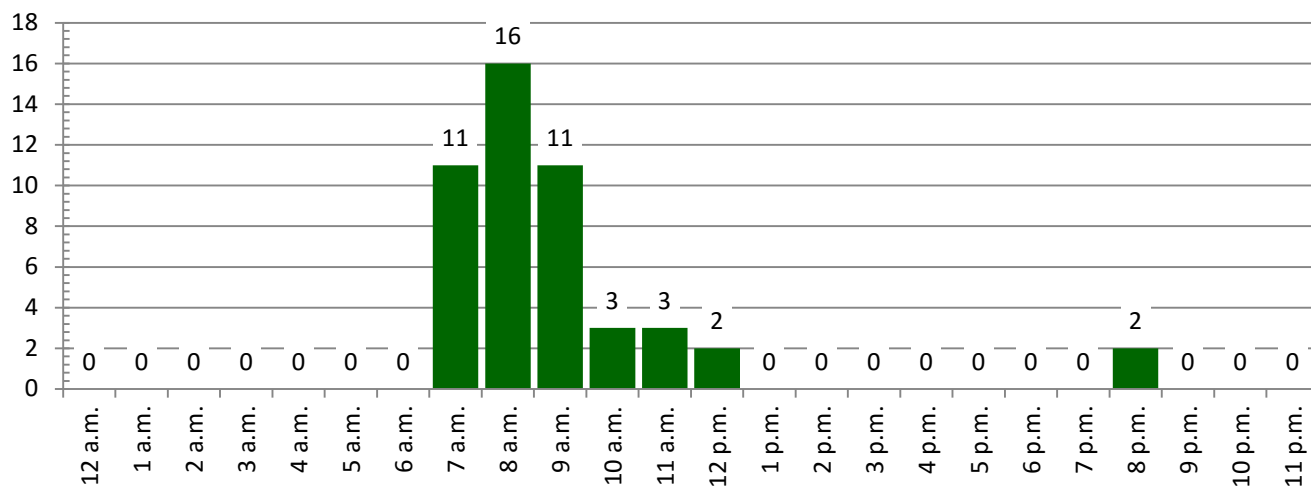


## Current Month - Incident by Road

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

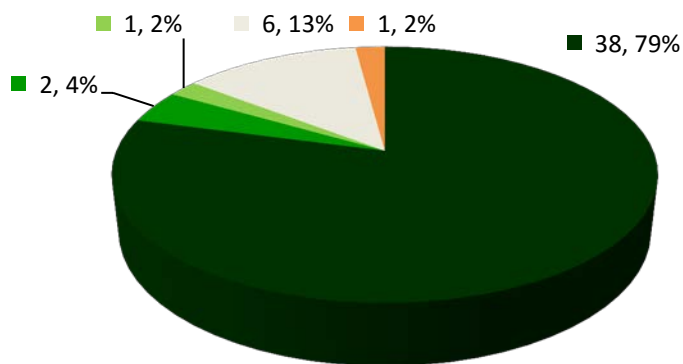


# Planned Events



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



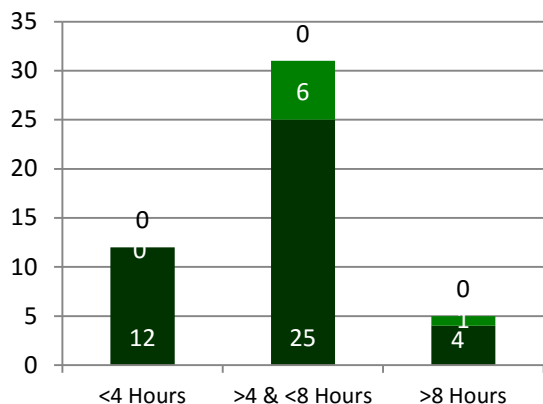
This graph shows the type of incident totals for the month.

Planned Events that impact the roadway, shoulder, or a ramp include events such as construction, bridge maintenance, or road maintenance. Each type will result in a partial closure or full closure.

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

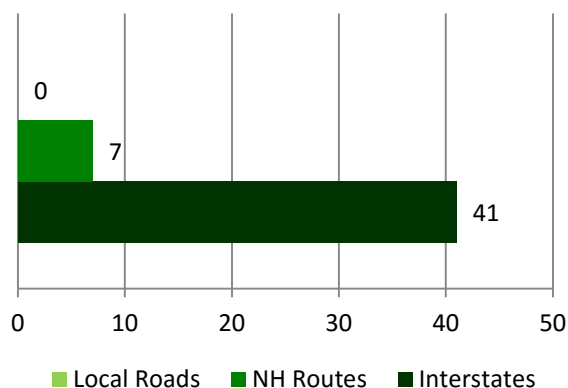
## Current Month - Incident Duration

This graph shows the duration history of incidents.



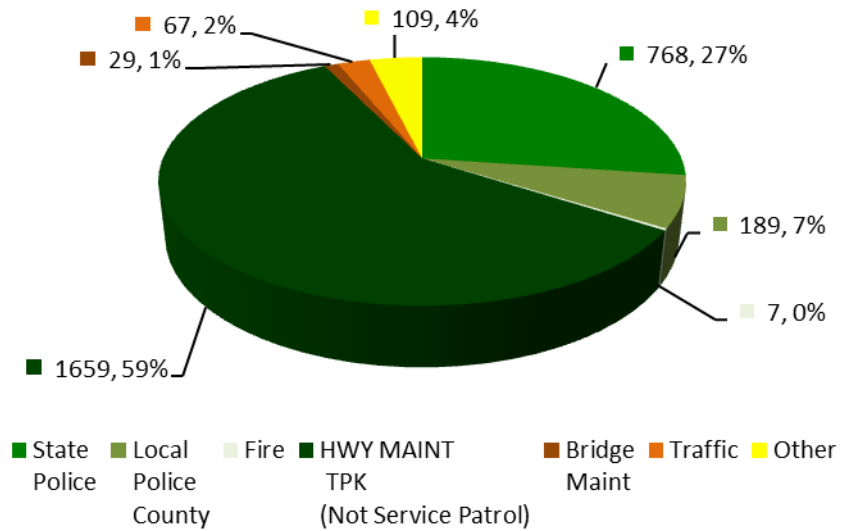
## Current Month - Incident by Road

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



## Current Month - Calls by Type

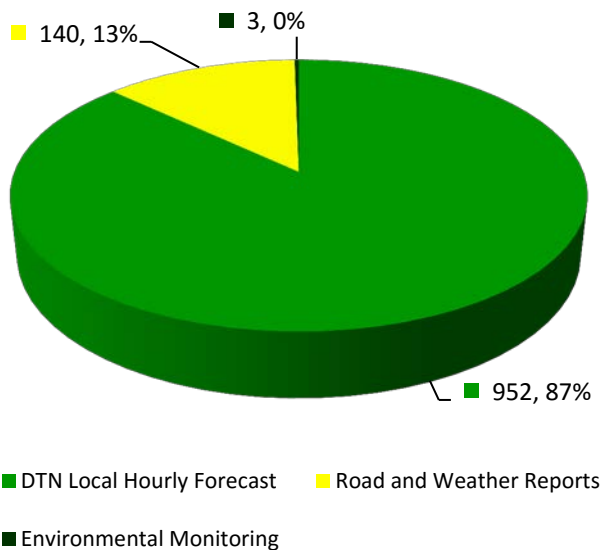
Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



## Disseminated Weather Related Information

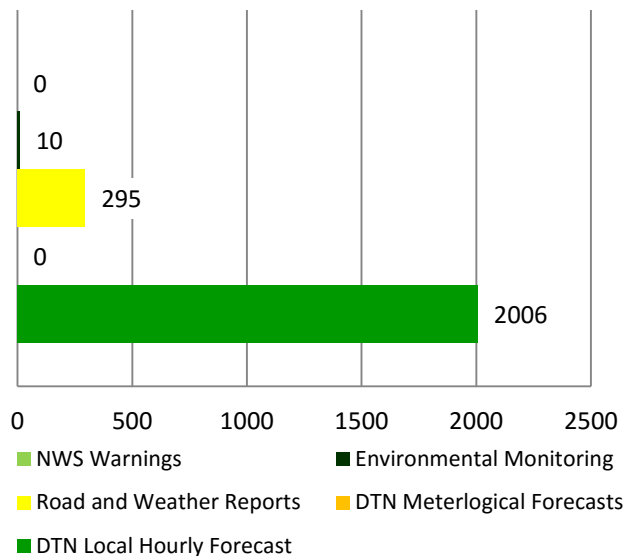
### Current Month - By Type

This graph shows the type of weather related information that was disseminated to various other agencies.



### 2017 Totals

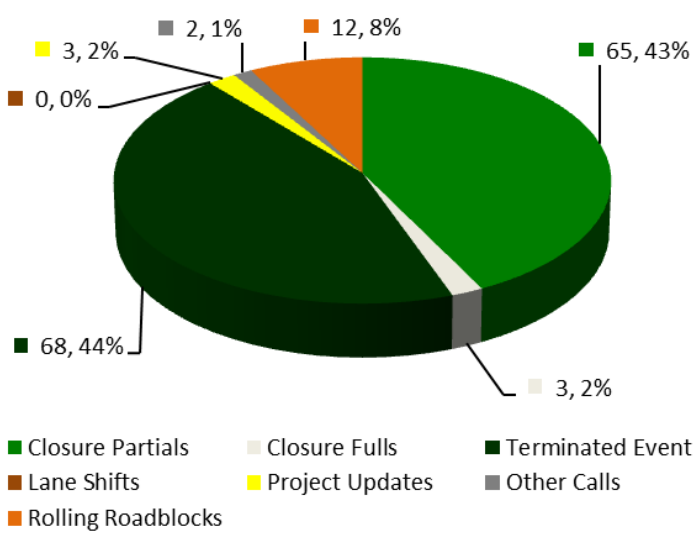
This graph shows the total weather related information that was disseminated for the year so far.



# Work Zone Communication

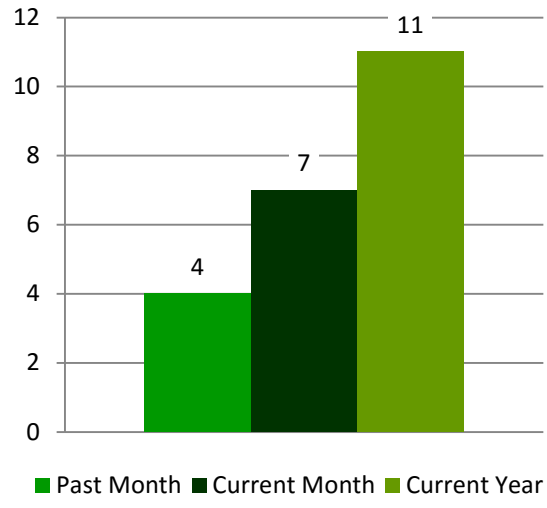
## Current Month – Construction Calls

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

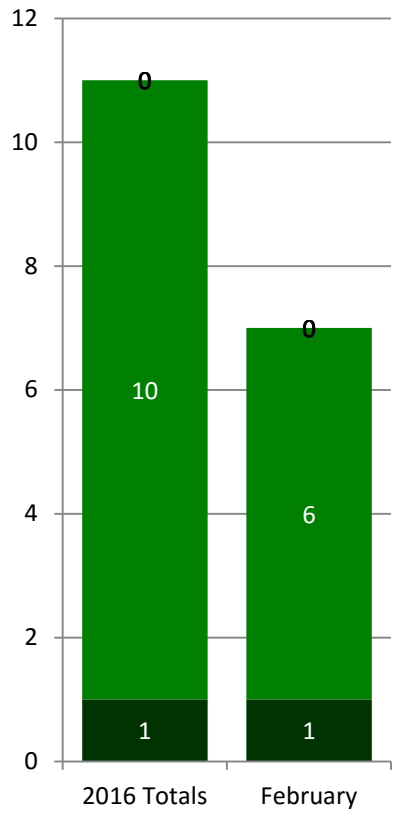


## Incidents Occurring in Work Zones

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

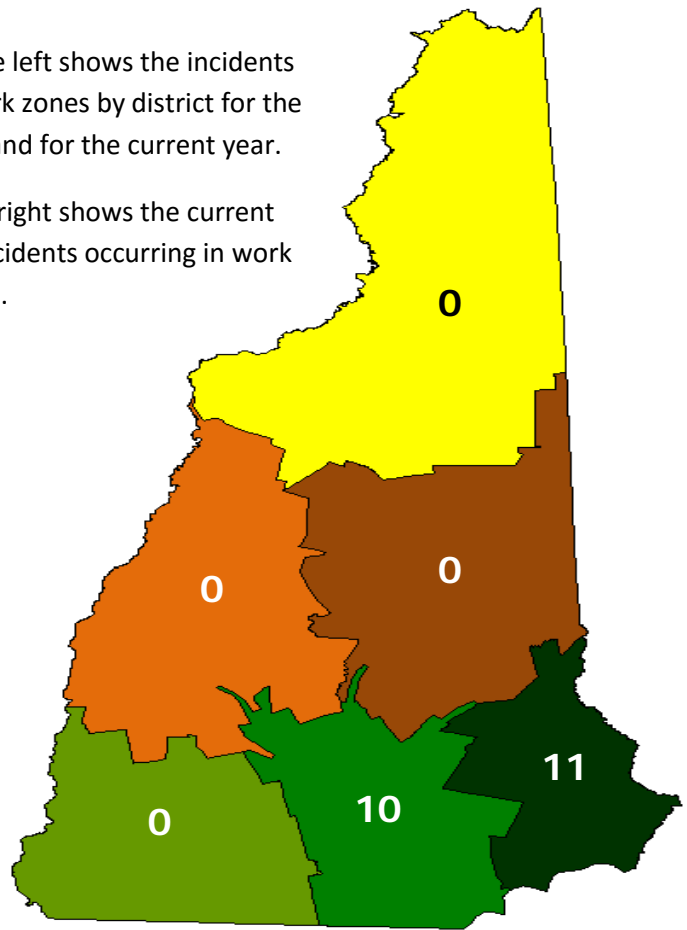


## Incidents Occurring in Work Zones by Location



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

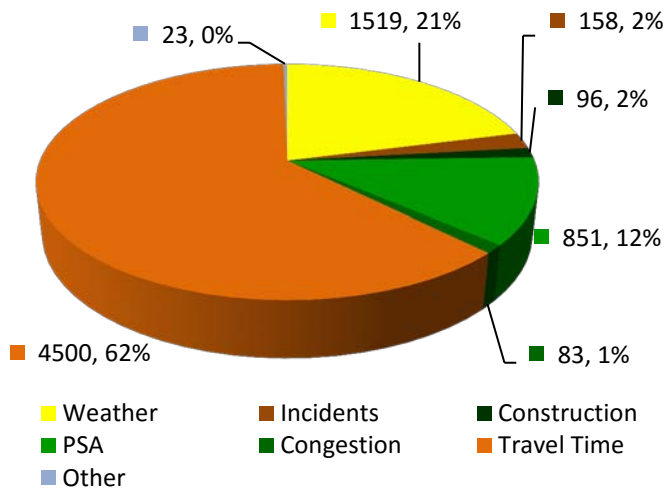
The map to the right shows the current year total for incidents occurring in work zones by district.



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

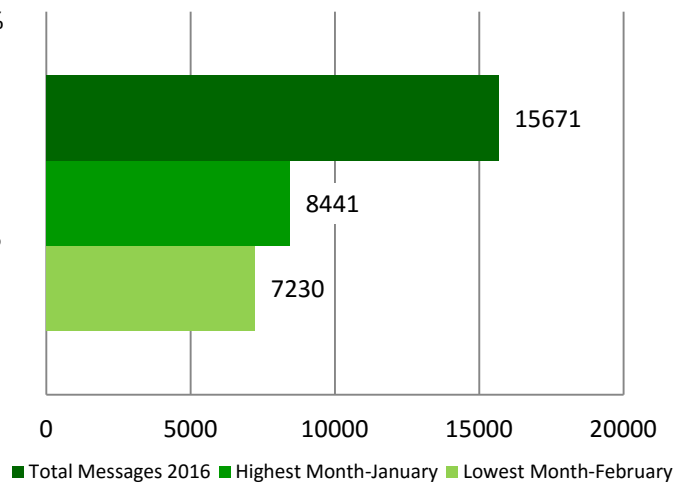
# DMS Messages

## Current Month - Messages by Type



This graph shows the type of message that was relayed to the public by being displayed on the dynamic message sign (DMS).

## Total Messages - 2017



This graph shows the total messages that were posted to DMS for the year so far. It also shows the months with the lowest and highest messages that were posted.

## Current Month - Total Messages Posted by Board

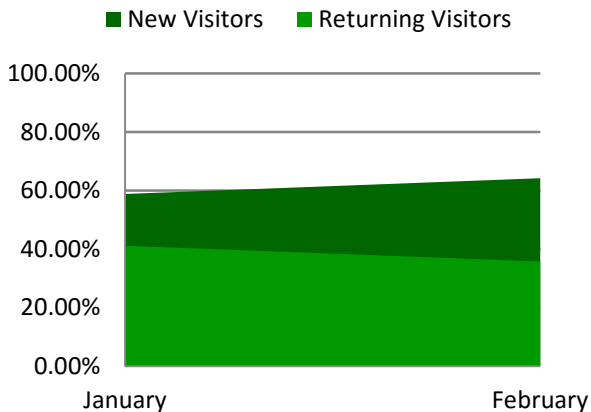
101 E 102	39	93 N 0.3	354	93 S 85.4	49
101 E 114.8	116	93 N 23.4	116	95 N 0.4	77
101 E 130.0	51	93 N 31.6	0	95 N 10.6	0
101 E 53.4	46	93 N 32.4	53	95 N 13.0	41
101 W 102.6	35	93 N 36.2	51	95 N 14.8	47
101 W 115.0	3	93 N 57.6	51	95 N 3.0	73
293 N 8.8	118	93 N 7.2	332	95 S 15.4	59
293 S 1.4	51	93 N 82.6	47	95 S 3.4	22
293 S 4.8	48	93 N 99.6	45	95 S 7.6	64
4 E 98.0	36	93 S 117.6	35	FEE N 1.2	294
89 N 1.8	88	93 S 122.2	26	FEE N 16.2	42
89 N 18.4	109	93 S 23.4	474	FEE N 18.8	47
89 N 28.8	24	93 S 27.8	598	FEE N 5.2	62
89 N 35.5	44	93 S 32.4	48	FEE S 17.8	54
89 N 43.8	22	93 S 36.0	43	ST N 1.0	486
89 S 10.8	124	93 S 39.0	68	ST N 19.2	43
89 S 3.4	192	93 S 48.0	45	ST S 11.6	92
89 S 42.6	43	93 S 57.6	43	ST S 23.2	94
89 S 55.0	21	93 S 68.8	51	ST S 3.4	919
89 S 57.5	33	93 S 7.2	167	ST S 7.8	589



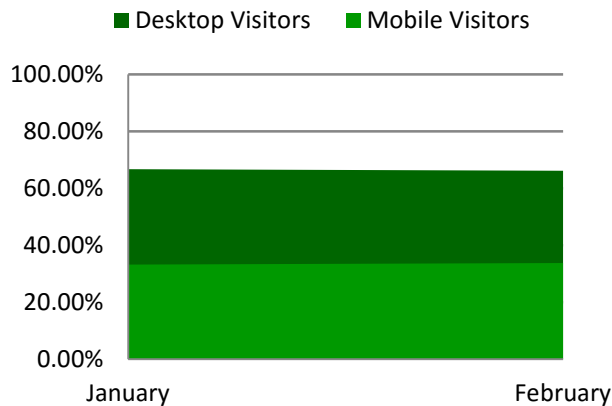
# Public Outreach

## Current Month - NHTMC Website

### 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.



29,626 Twitter Followers

### Who is Re-Tweeting Real Time Traffic Information?

The Highway Monitor NH 93  
 The Highway Monitor MA90  
 The Highway Monitor MA95  
 193NH Traffic  
 Hey Did You Hear  
 Safe Roads Alliance  
 Right Now I/O Feed  
 UEA Trip Notification  
 National Emergency Alerts NE  
 NewHampshireProblems  
 WMUR  
 Josh Judge WMUR  
 Sean McDonald WMUR  
 Rosa Valentin WMUR  
 Jennifer Gannon WMUR  
 Melinda Davenport WMUR  
 Jim Foley WMUR

New Hampshire 1 News  
 Megan Carpenter Fox 44/ABC 22  
 Rose Spillman YCN News  
 SCG-TV 23  
 Salem Community TV  
 WZID  
 Susan Roantree WZID  
 93.3 The WOLF  
 WOKQ975  
 99.1 Frank FM  
 1490 WEMJ-AM  
 Radio Nashua CC  
 OC Radio Portsmouth  
 Union Leader.com  
 Seacoastonline.com  
 Londonderry News  
 Tweet NH

Laconia NH Police  
 Town of Peterborough  
 Boston Special Officer  
 Granite State Police  
 The Mall at Fox Run  
 Manchester Schools SAU #37  
 Concord NH Patch  
 Record Enterprise  
 Veterans Count  
 Red Cross NH  
 New Hampshire AFL-CIO  
 Hampton Inn Concord  
 NHGCD  
 NH Finest Market  
 Tweet Vermont  
 Adopt a Highway  
 Rockingham Alerts

Vista Vacations  
 WeeksActLegacyTrail  
 Motor City  
 Lawrence Ma.  
 City of Dover NH  
 Middleton NH Police  
 Valley News  
 Commuter Boston  
 EastWestExpress  
 Transport NH  
 NH Economy  
 NHFamilyLiving.com  
 NH Potholes  
 Southern NH Emergency  
 Alerts Live Incidents US  
 J4 Traffic  
 Action Page System