



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.*

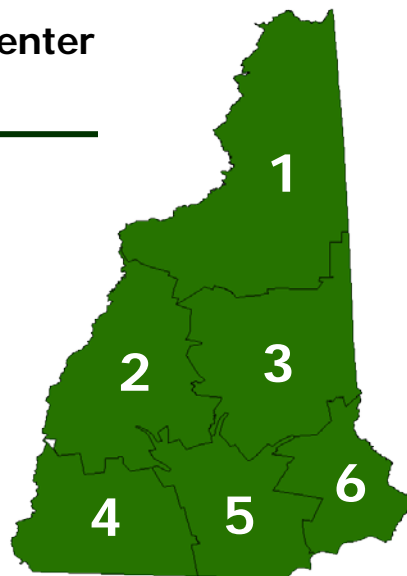
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***Transportation Management Center's Mission***

*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

2015 Total      2016 Total

CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.

79

89



### Dynamic Message Signs (DMS)

2015 Total      2016 Total

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

50

51



### Road Weather Information System (RWIS)

2015 Total      2016 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.

21

23



### Variable Speed Limit Sign (VSL)

2015 Total      2016 Total

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

16

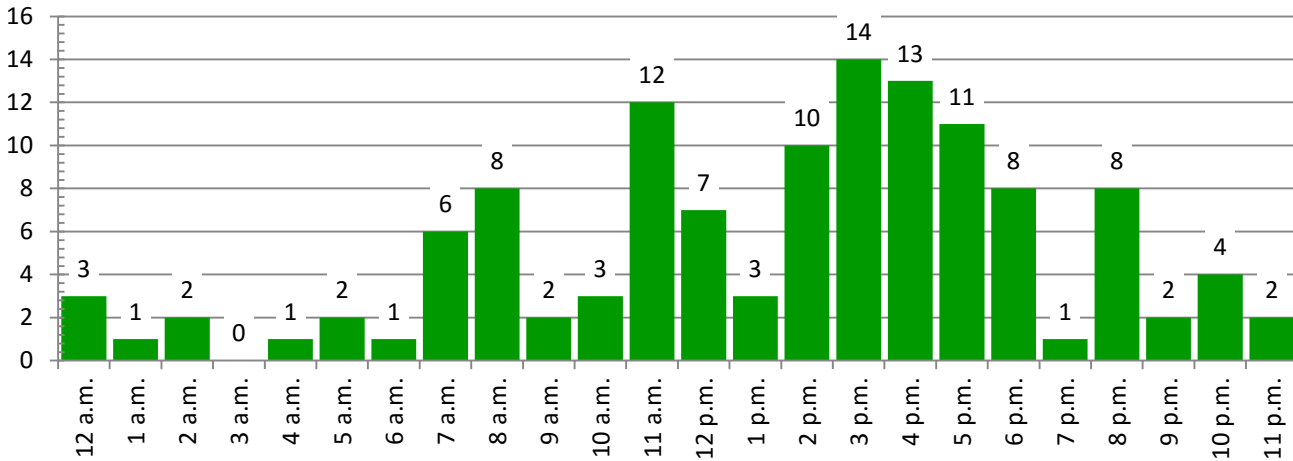
18



# Summary

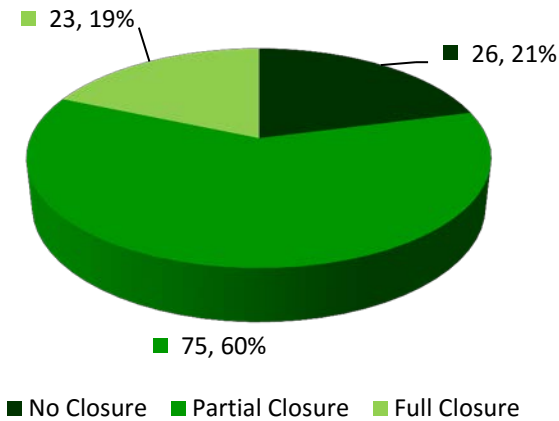
	Current Month	2016 Total
<b>Unplanned Incidents</b>	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	124	773
<b>Planned Incidents</b>	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	392	1,128
<b>Communication</b>	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	2,172	9,490
<b>Work Zones Communication</b>	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	525	1,893
<b>DMS Messages</b>	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	1,373	6,638
<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.	2,249	13,699

# 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.

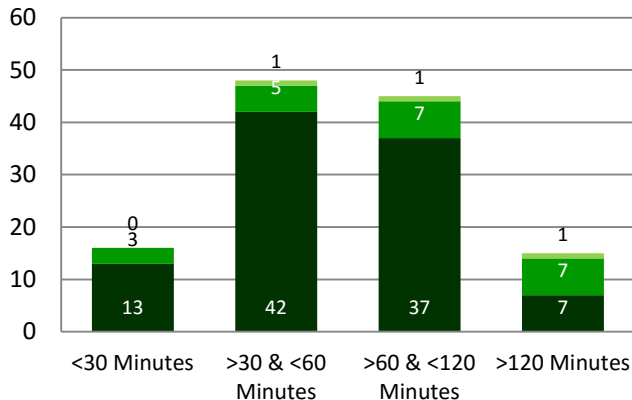
**Partial Closure:** Only a part of the roadway was closed.

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

**Severe Weather:** The incident was due to severe weather causing an impact to the roadway. (No severe weather for this month.)

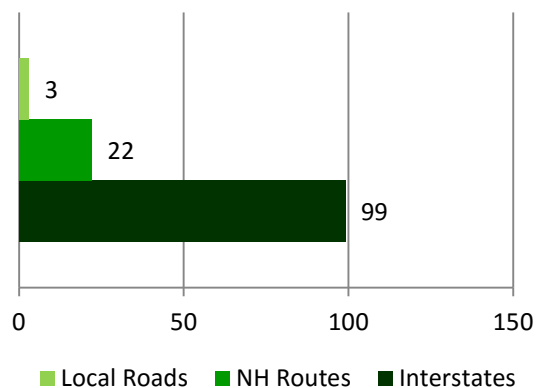
## Current Month - Incident Duration

This graph shows the duration history of incidents.

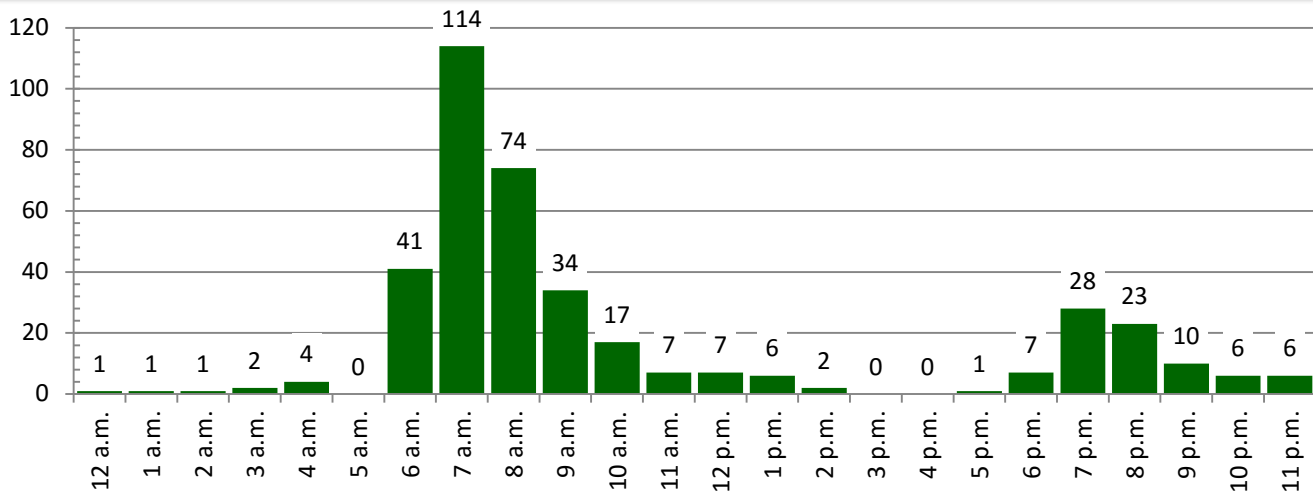


## Current Month - Incident by Road

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

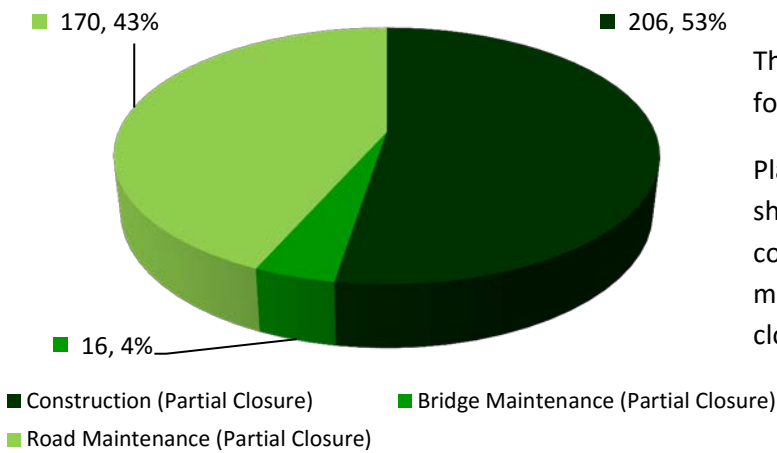


# Planned Events



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

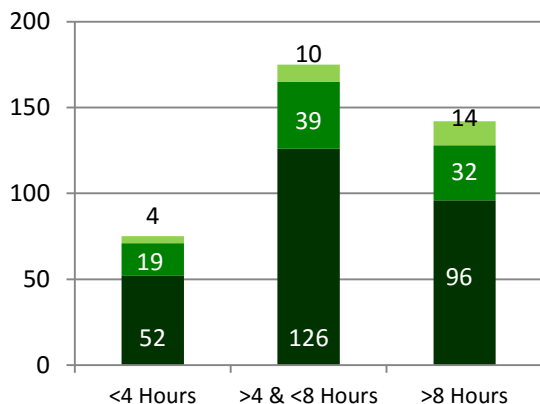


This graph shows the type of incident totals for the month.

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.

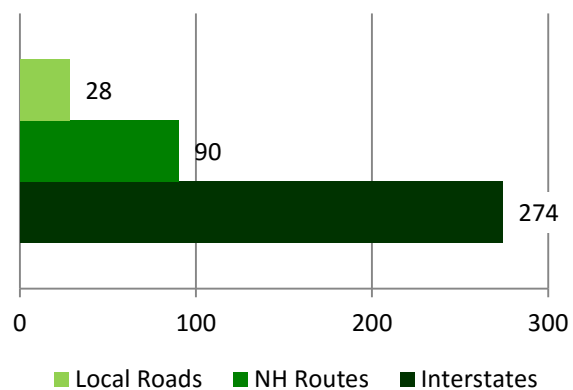
## Current Month - Incident Duration

This graph shows the duration history of incidents.



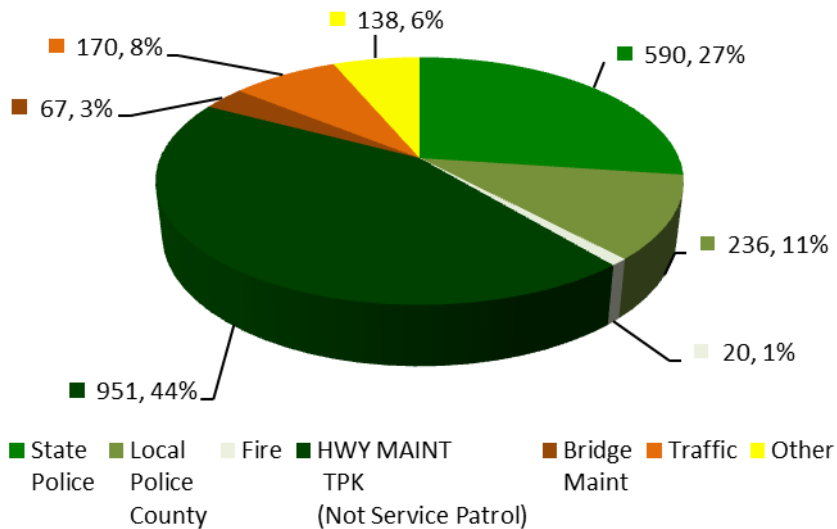
## Current Month - Incident by Road

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



## Current Month - Calls by Type

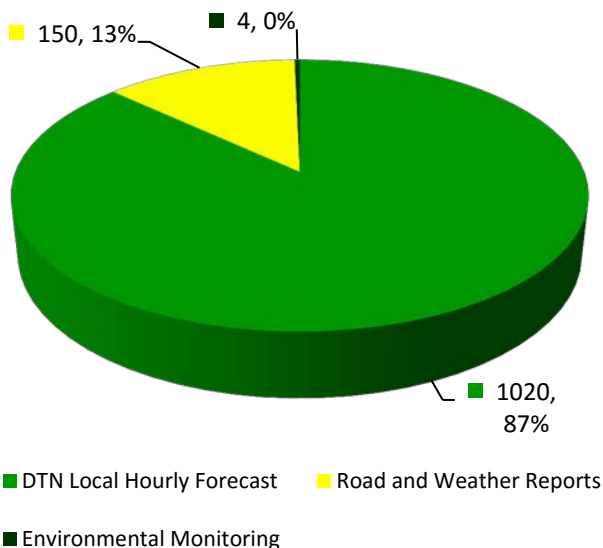
Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.



## Disseminated Weather Related Information

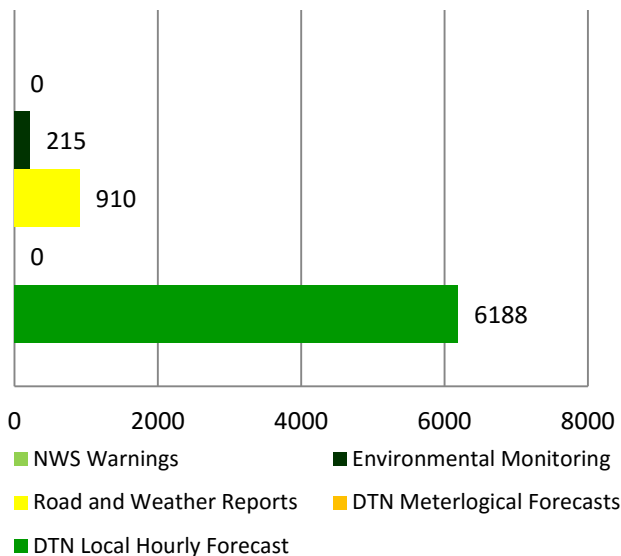
### Current Month - By Type

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



### 2015 Totals

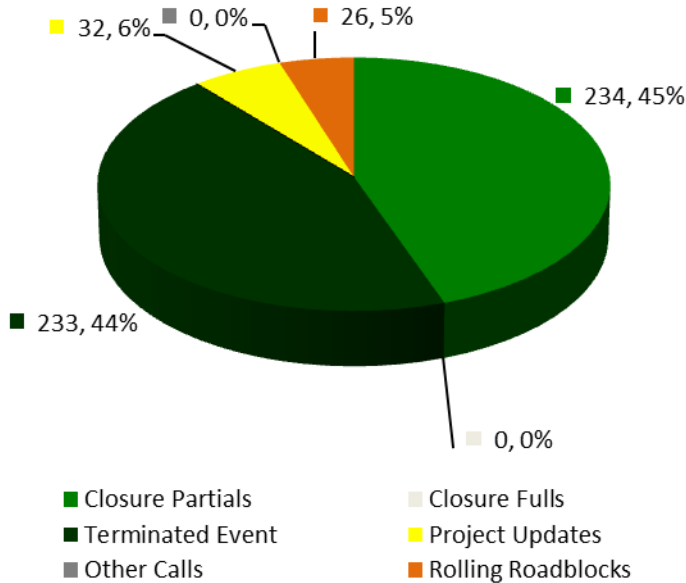
This graph shows the total weather related information that was disseminated for the year so far.



# Work Zone Communication

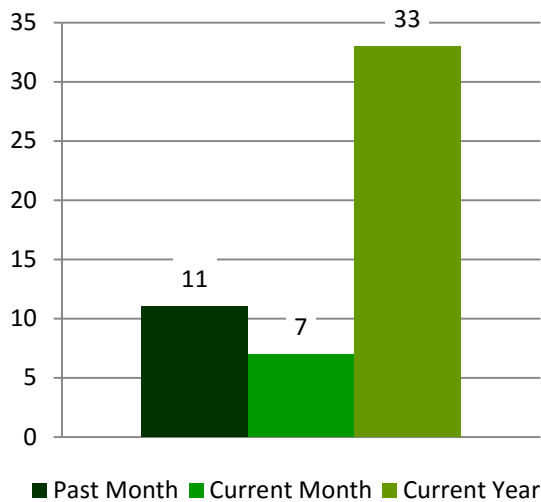
## Current Month – Construction Calls

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

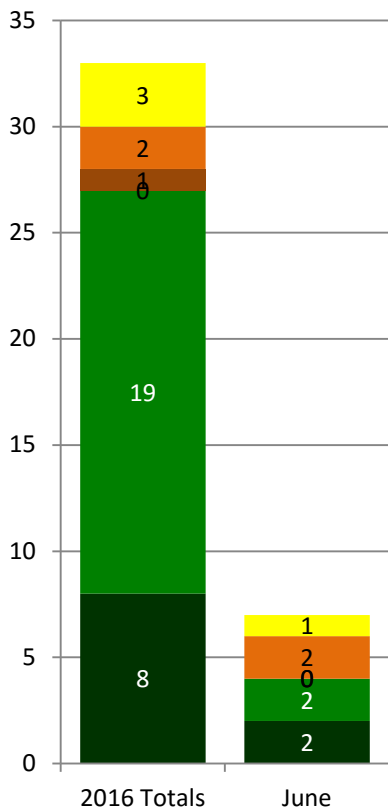


## Incidents Occurring in Work Zones

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

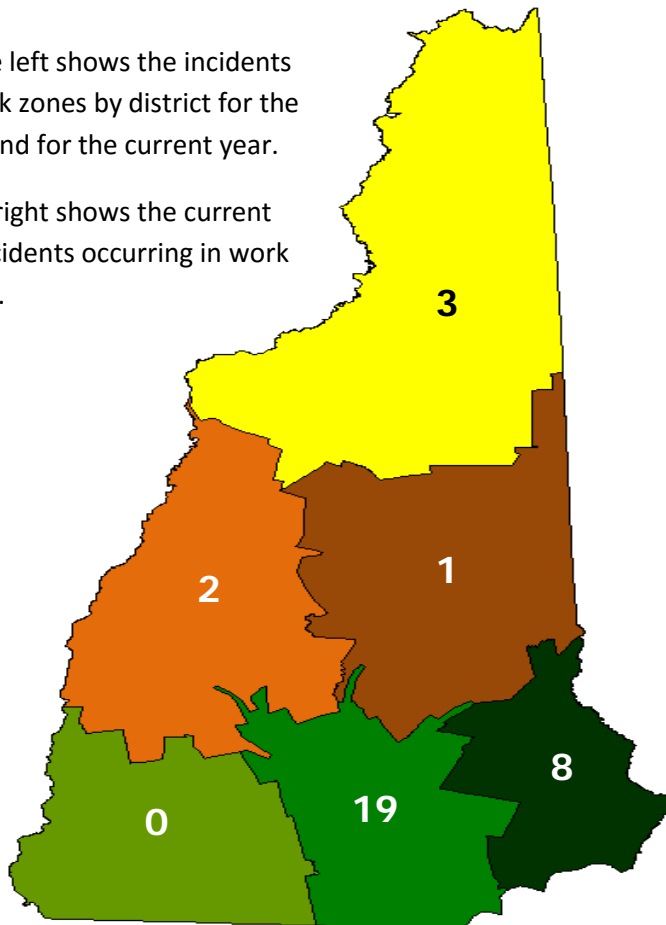


## Incidents Occurring in Work Zones by Location



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

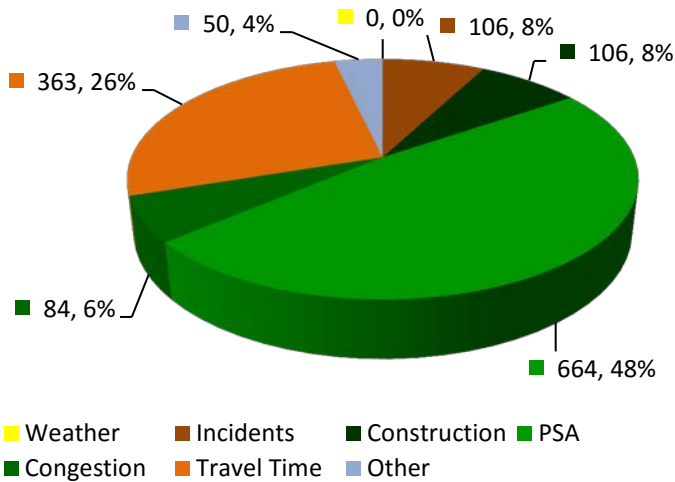
The map to the right shows the current year total for incidents occurring in work zones by district.



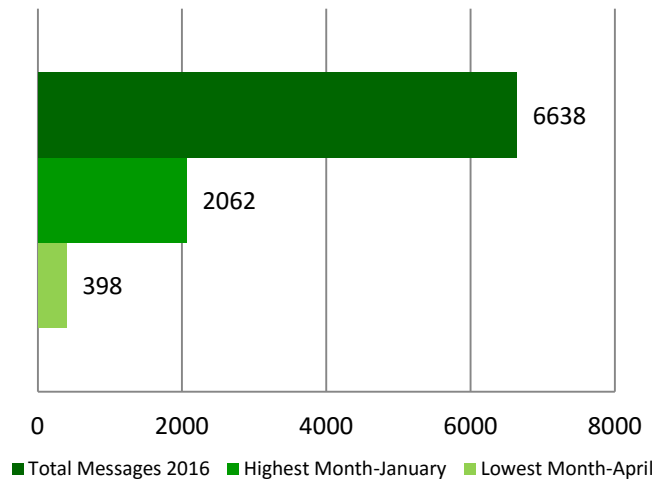
■ District 6 
 ■ District 5 
 ■ District 4  
■ District 3 
 ■ District 2 
 ■ District 1

# DMS Messages

## Current Month - Messages by Type



## Total Messages - 2016



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

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

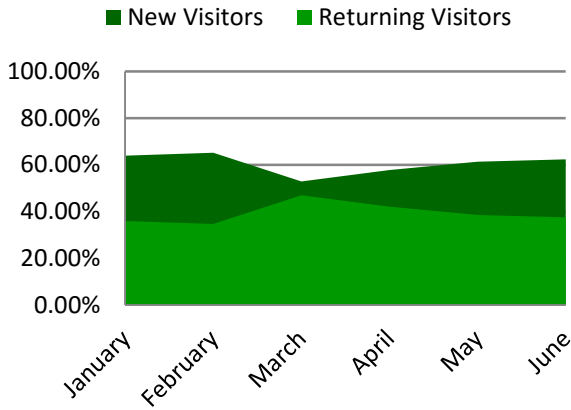
101 E 107.6	0	93 N 0.3	63	93 S 85.4	17
101 E 114.8	42	93 N 23.4	58	95 MN 13.0	0
101 E 130.0	0	93 N 32.4	25	95 N 0.4	48
101 E 53.4	15	93 N 36.8	31	95 N 10.6	45
101 W 102.6	11	93 N 43.8	0	95 N 13.0	16
101 W 115.0	0	93 N 57.6	18	95 N 14.8	14
293 N 8.8	48	93 N 7.2	59	95 N 3.0	20
293 S 1.4	33	93 N 82.6	1	95 S 15.4	47
293 S 4.8	16	93 N 99.6	16	95 S 3.4	13
4 E 98.0	0	93 S 117.6	18	95 S 7.6	50
89 N 1.8	26	93 S 122.2	11	FEE N 1.2	59
89 N 18.4	44	93 S 23.4	39	FEE N 18.8	13
89 N 24.2	0	93 S 27.8	17	FEE N 5.2	0
89 N 35.5	16	93 S 32.4	11	FEE S 8.6	20
89 N 55.0	0	93 S 36.0	0	ST N 1.0	76
89 S 10.8	25	93 S 39.0	21	ST N 19.2	0
89 S 3.4	10	93 S 48.0	9	ST S 11.6	37
89 S 31.4	0	93 S 53.4	0	ST S 23.2	46
89 S 55.0	14	93 S 68.8	19	ST S 3.4	41
89 S 58.0	0	93 S 7.2	50	ST S 7.8	45



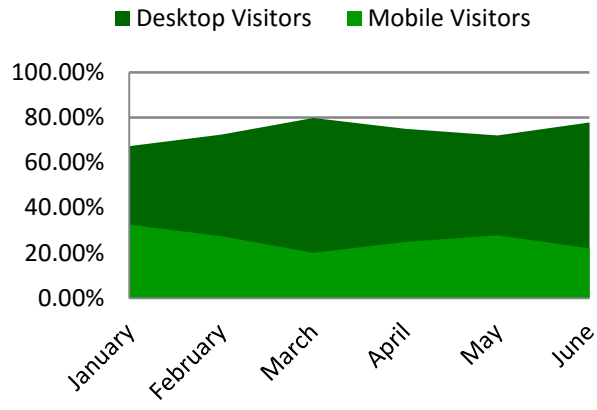
# Public Outreach

## 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.



23,880 Twitter Followers

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

- |   |  |   |  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li>The Highway Monitor NH 93</li> <li>The Highway Monitor MA90</li> <li>The Highway Monitor MA95</li> <li>193NH Traffic</li> <li>Hey Did You Hear</li> <li>Safe Roads Alliance</li> <li>Right Now I/O Feed</li> <li>UEA Trip Notification</li> <li>National Emergency Alerts NE</li> <li>NewHampshireProblems</li> <li>WMUR</li> <li>Josh Judge WMUR</li> <li>Sean McDonald WMUR</li> <li>Rosa Valentin WMUR</li> <li>Jennifer Gannon WMUR</li> <li>Melinda Davenport WMUR</li> <li>Jim Foley WMUR</li> </ul> | <ul style="list-style-type: none"> <li>New Hampshire 1 News</li> <li>Megan Carpenter Fox 44/ABC 22</li> <li>Rose Spillman YCN News</li> <li>SCG-TV 23</li> <li>Salem Community TV</li> <li>WZID</li> <li>Susan Roantree WZID</li> <li>93.3 The WOLF</li> <li>WOKQ975</li> <li>99.1 Frank FM</li> <li>1490 WEMJ-AM</li> <li>Radio Nashua CC</li> <li>OC Radio Portsmouth</li> <li>Union Leader.com</li> <li>Seacoastonline.com</li> <li>Londonderry News</li> <li>Tweet NH</li> </ul> | <ul style="list-style-type: none"> <li>Laconia NH Police</li> <li>Town of Peterborough</li> <li>Boston Special Officer</li> <li>Granite State Police</li> <li>The Mall at Fox Run</li> <li>Manchester Schools SAU #37</li> <li>Concord NH Patch</li> <li>Record Enterprise</li> <li>Veterans Count</li> <li>Red Cross NH</li> <li>New Hampshire AFL-CIO</li> <li>Hampton Inn Concord</li> <li>NHGCD</li> <li>NH Finest Market</li> <li>Tweet Vermont</li> <li>Adopt a Highway</li> <li>Rockingham Alerts</li> </ul> | <ul style="list-style-type: none"> <li>Vista Vacations</li> <li>WeeksActLegacyTrail</li> <li>Motor City</li> <li>Lawrence Ma.</li> <li>City of Dover NH</li> <li>Middleton NH Police</li> <li>Valley News</li> <li>Commuter Boston</li> <li>EastWestExpress</li> <li>Transport NH</li> <li>NH Economy</li> <li>NHFamilyLiving.com</li> <li>NH Potholes</li> <li>Southern NH Emergency</li> <li>Alerts Live Incidents US</li> <li>J4 Traffic</li> <li>Action Page System</li> </ul> |
|---|--|---|--|