

# TMC Monthly Operational Summary

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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.*

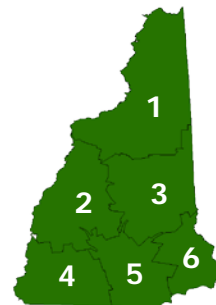
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## ***Transportation Management Center's Mission***

*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.



## Permanent ITS Equipment List

### Closed-Circuit Television (CCTV) Cameras

2017 Total

2018 Total

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

91

97



### 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

56

16<sup>1</sup>

16<sup>1</sup>

20<sup>2</sup>

20<sup>2</sup>



<sup>1</sup> Additional DMS that TSMO uses during the winter season.

<sup>2</sup> TSMO is responsible for an additional ~20 DMS for the department.

### 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

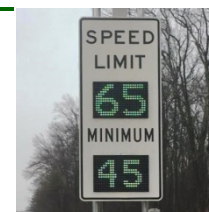


### Variable Speed Limit Sign (VSL)

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

19

20



### Motor Vehicle Detector Sensors (MVDS)

MVDS are sensors that collect speed and volume data.

5

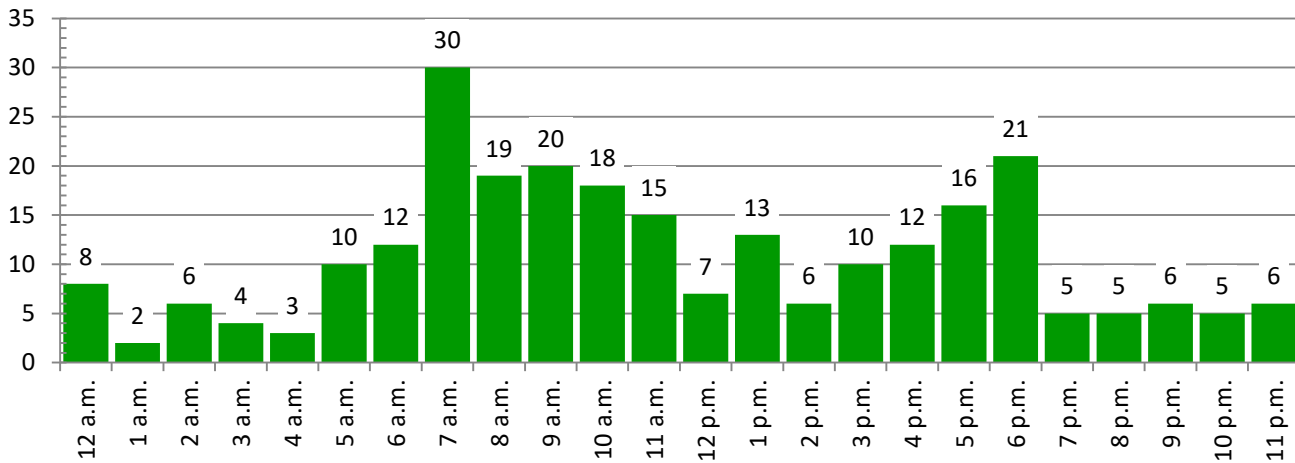
7



# Summary

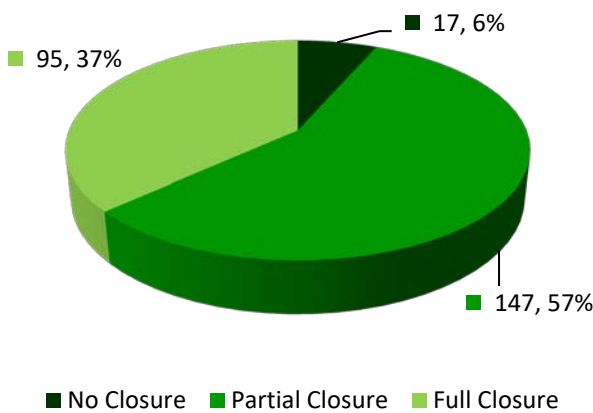
	Current Month	2018 Total
<b>Unplanned Incidents</b>		
	<b>Total Incidents</b>	
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	259	2,059
<b>Planned Incidents</b>		
	<b>Total Planned Incidents</b>	
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	232	4,244
<b>Communication</b>		
	<b>Total Calls</b>	
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	8,170	40,221
<b>Work Zones Communication</b>		
	<b>Total Construction Calls</b>	
Construction related activities or communication that's outside of planned incidents.	1,004	9,648
<b>DMS Messages</b>		
	<b>Total Messages</b>	
All changes to DMS are logged and reviewed.	23,117	160,533
<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.	1,634	18,632
<b>Storm Desk Activations</b>		
	<b>Total Storm Desk Activations</b>	
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	3	7

# 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



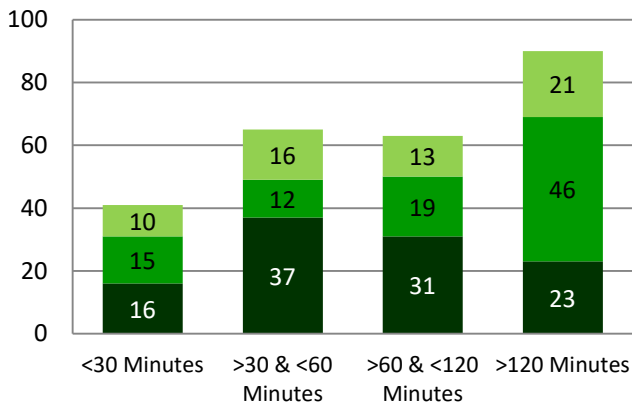
This graph shows the type of incident totals for the month.

### 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.

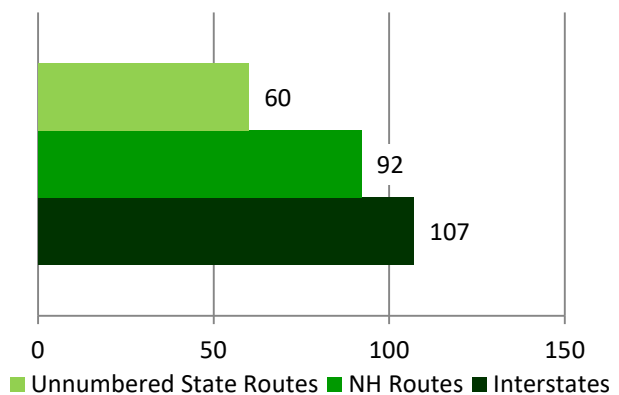
## Current Month - Incident Duration

This graph shows the duration history of incidents.

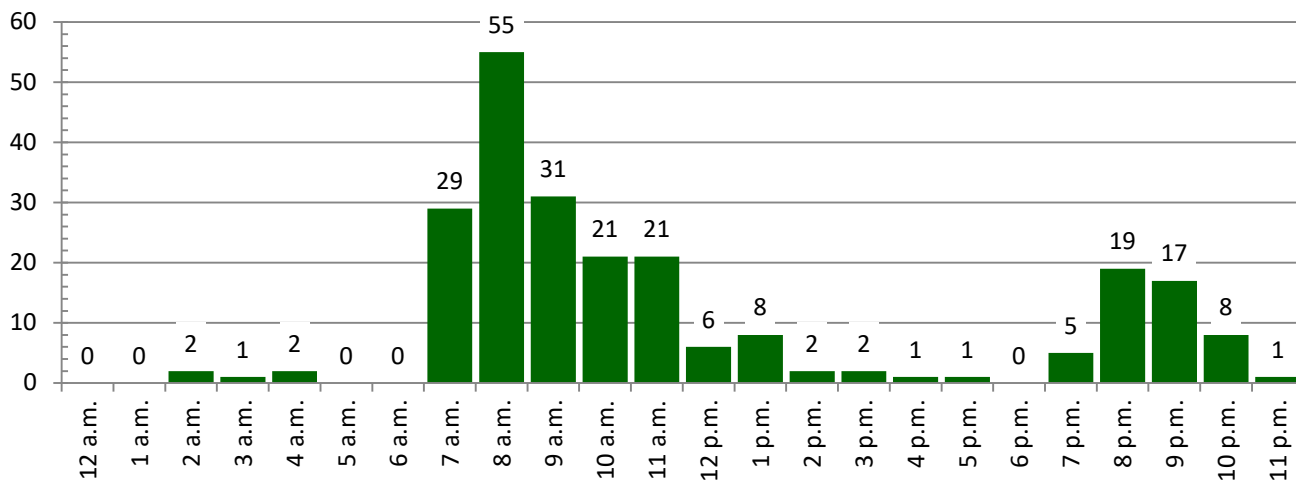


## Current Month - Incident by Road

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

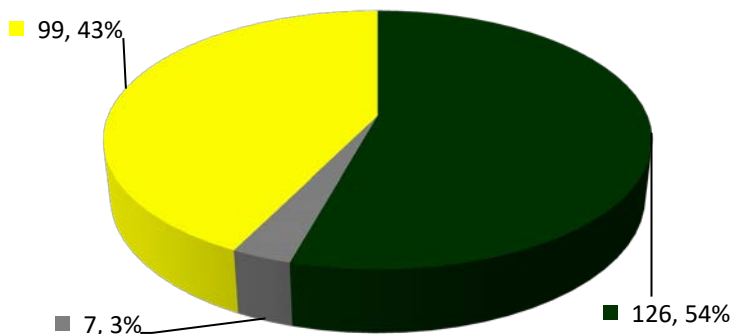


# Planned Events



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



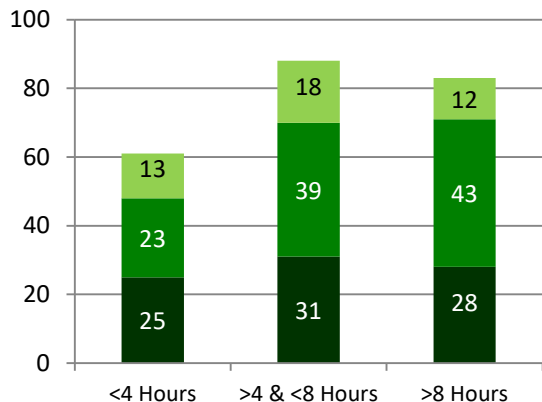
This graph shows the type of incident totals for the month.

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)

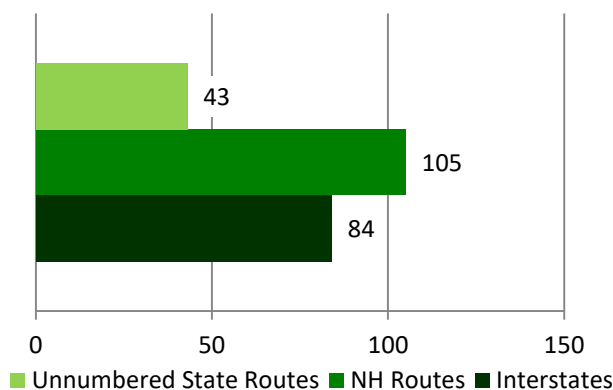
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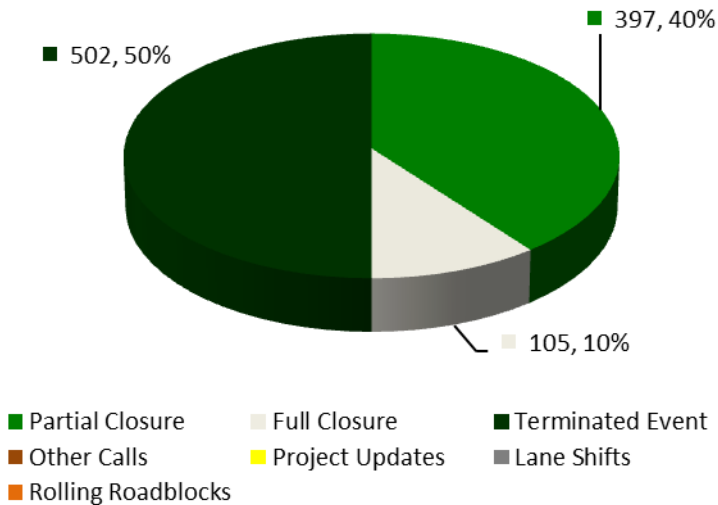




# Work Zone Communication

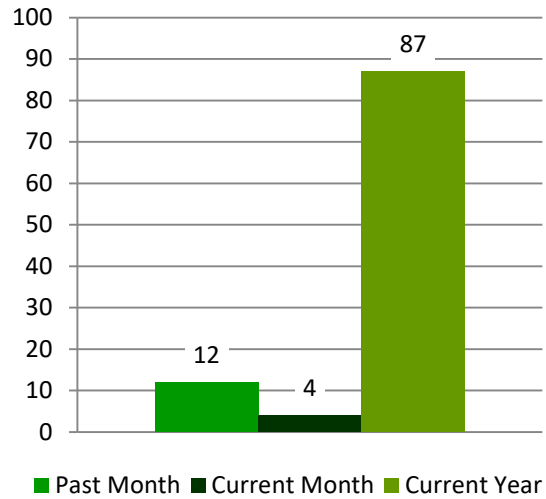
## Current Month – Construction Calls

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

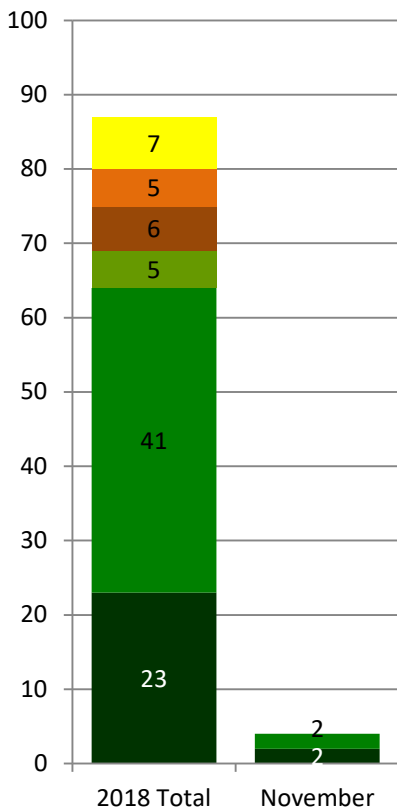


## Incidents Occurring in Work Zones

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

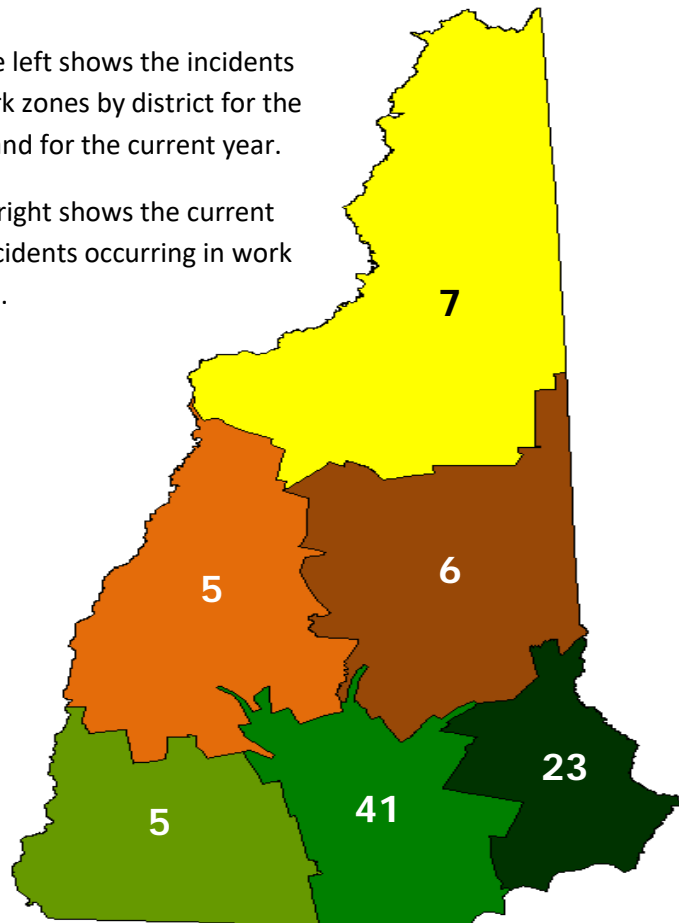


## Incidents Occurring in Work Zones by Location



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

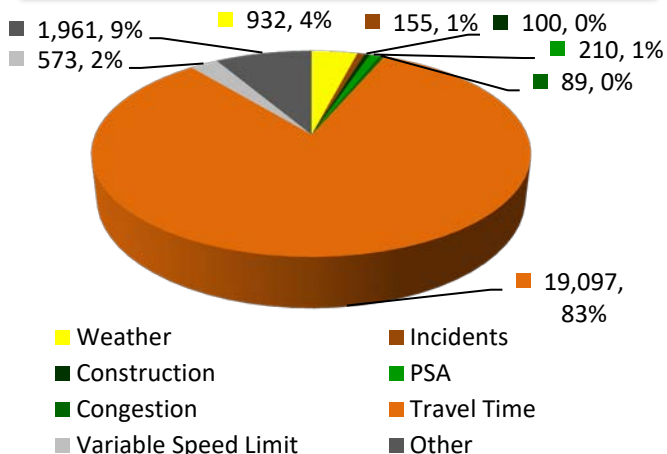
The map to the right shows the current year total for incidents occurring in work zones by district.



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

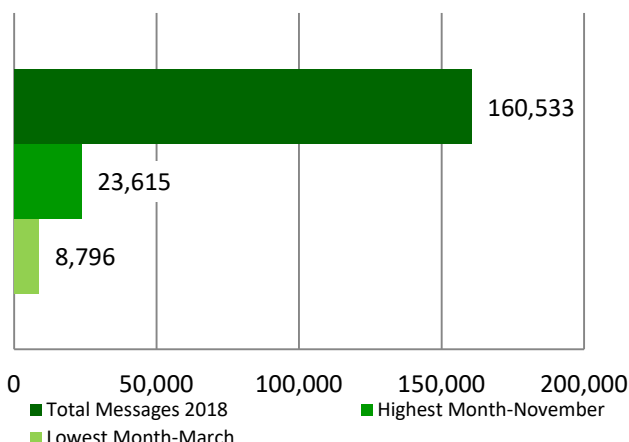
# DMS Messages

## Current Month - Messages by Type



This graph shows the type of message that were relayed to the public by being displayed on the DMS.

## Total Messages - 2018



This graph shows the total messages that were posted to DMS for the year so far.

## Current Month - Total Messages Posted by Board

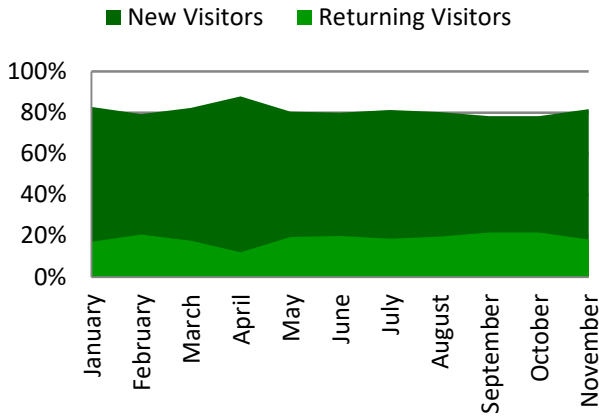
101 W 100.5 VSL D 5	26	93 NM 2.35 VSL D 5	26	93S 7.2 FSD5	415
101 WM 100.5 VSL D 5	15	93 NM 3.8 VSL D5	27	93S 85.4 FSV3	61
101E 102 PSP5	2	93 NM 6.6 VSL D5	26	93S 99.2 FSA3	21
101E 114.8 FSV6	148	93 S 19.8 VSL D 5	16	95N 0.4 FSVT	144
101E 130 FSA6	316	93 S 2.2 VSL D 5	26	95N 13.0 FSVT	36
101E 53.4 FSV5	50	93 S 5.2 VSL D5	26	95N 14.8 FSDT	34
101W 102.6 FSV5	46	93 SM 19.8 VSL D 5	26	95N 3.0 FSDT	132
101W 115 PSP5	16	93 SM 2.2 VSL D 5	26	95S 3.4 FSPT	13
101W 128 PSV6	28	93 SM 5.2 VSL D5	26	95S 7.6 FSDT	125
293 S 1.4 VSL D 5	28	93N 0.3 FSD5	1,016	FEE N 1.2 FSVT	887
293N 8.8 FSPT	28	93N 16.0 VSL D5	28	FEE N 16.2 PSVT	27
293S 1.4 FSD5	65	93N 16.0 VSL D5 Median	27	FEE N 18.8 FSVT	50
393 W 1.9 PSV5	20	93N 23.4 FSD5	277	FEE N 5.2 PSVT	47
4E 98 FSA6	11	93N 32.4 FSVT	80	FEE S 17.8 PSVT	36
89N 1.8 FSV5	182	93N 36.2 FSVT	61	FEE S 8.6 FSPT	22
89N 18.4 FSV5	76	93N 43.8 PSP5	16	ST N 1.0 FSAT	859
89N 28.8 PSP2	31	93N 57.6 FSV3	72	ST N 19.2 PSVT	27
89N 35.5 FSV2	62	93N 7.2 FSD5	971	ST S 11.6 FSA6	285
89N 43.8 PSV2	50	93S 122.2 FSV1	28	ST S 24.4 FSVT	517
89N 55.0 PSV2	21	93S 14.4 VSL D5	61	ST S 3.4 FSDT	1,902
89S 10.8 FSV5	289	93S 14.4 VSL D5 Median	58	ST S 34.4 PSVT	23
89S 3.4 FSV5	638	93S 23.4 FSD5	742	ST S 7.8 FSAT	1,492
89S 31.4 PSP5	15	93S 27.8 FSDT	1,588		
89S 42.6 PSV2	44	93S 32.4 FSVT	44		
89S 55.0 PSV2	55	93S 36.0 PSVT	36		
89S 57.5 PSV2	21	93S 39.0 FSV5	59		
93 N 0.3 VSL D 5	26	93S 43.3 PSV5	26		
93 N 2.35 VSL D 5	26	93S 48.0 FSV5	61		
93 N 3.8 VSL D5	27	93S 57.6 PSP5	12		
93 N 6.6 VSL D5	26	93S 68.8 FSV3	74		



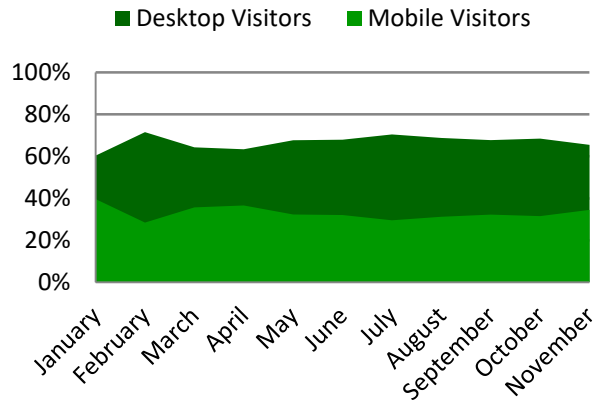
# Public Outreach

## 1,634 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.



36,335 Twitter Followers

