

**TOWN OF SOUTHBOROUGH  
DEPARTMENT OF PUBLIC WORKS**

**Tel: 508-485-1210  
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**147 Cordaville Road  
Southborough, MA 01772**



**DATE: June 8, 2021**

**MEMORANDUM**

**TO: Southborough Board of Selectmen  
CC: Mark Purple, Southborough Town Administrator  
FROM: Karen Galligan, DPW Superintendent  
SUBJECT: Flagg Road Traffic Counts and Summary for Citizen's Petition**

Attached is a report summarizing the truck counts on Flagg Road. The counts were collected from around 10:30AM on Tuesday May 4<sup>th</sup> through 11:30AM on Thursday, May 6<sup>th</sup>.

As you can see from VHB's Memo (attached), Flagg Road carries enough heavy commercial vehicles (HCVs) to meet the State's warrant for a heavy commercial vehicle exclusion (HCVE). However, it is important for people to note that, of the 78 trucks counted, 27 (or 34.6%) were buses, 45 (or 57.8%) were likely delivery or landscape trucks and 6 (or 7.7%) of them were vehicles that were 10-wheelers or larger. As stated in the memo, an HCVE would not exclude most of the 78 HCVs from using Flagg Road.

I have attached, for your reference, a map of the streets in Southborough with HCVEs. As you can see, the HCVE on Route 30 makes it difficult for HCVs to move through town from east to west, or west to east, in order to get from Marlborough or Westborough to Framingham, or vice versa, without using Route 9. It also makes it difficult to set an alternate route for a proposed HCVE because vehicles have to use route 30 as an alternate route for so many roads.

If the Board would like to pursue this exclusion the next step would be for the Selectmen to request that the Selectmen of the Town of Westborough agree to allow East Main Street in Westborough to be used as part of the alternate route.

Once the Southborough Selectmen can get that permission in writing, VHB, the Town's traffic consultant, can prepare the appropriate paperwork to submit to MassDOT for the HCVE approval. The Southborough Selectmen should also vote to agree to use the excluded portion of Main Street, from the Westborough Town line to Deerfoot Road as part of the alternate route.



## Memorandum

To: Karen Galligan  
Superintendent  
Southborough DPW  
147 Cordaville Road  
Southborough, MA 01772

Date: June 8, 2021

Project #: 15295.00

From: Gregory Russell, PE, IMSA 1, ENV SP  
John Dixon, EIT

Re: Flagg Road Heavy Commercial Vehicle Exclusion

At the request of the Town of Southborough, VHB has collected and reviewed traffic volumes along Flagg Road for the purposes of determining whether a twenty-four hour heavy commercial vehicle exclusion is warranted on the entire length of Flagg Road from Turnpike Road (Route 9) to Deerfoot Road. This exclusion would require all vehicles with a carrying capacity over 2 ½ tons to use a designated alternate route to reach their destination.

The application of a truck exclusion along Flagg Road was examined using guidelines set by the Massachusetts Amendments to the MUTCD, Section 10A-9 Heavy Commercial Vehicle Exclusion. For reference purposes, the criteria for a truck exclusion (commercial vehicles with a carrying capacity over 2 ½ tons) are:

### 1. Warrants

- A. A volume of heavy commercial vehicles, which usually is in the range of five (5) to eight (8) percent, reduces the utilization of the facility and is cause for a substantial reduction in capacity or safety.*
- B. The condition of the pavement structure of the route to be excluded indicates that further repeated heavy wheel loads will result in severe deterioration of the roadway. (subject to department review)*
- C. Notwithstanding the foregoing, in certain instances where land use is primarily residential in nature and a municipality has requested exclusion only during hours of darkness, a specific night exclusion may be granted.*

A review of the existing conditions along Flagg Road was completed with the following comments.

## Existing Conditions

### Flagg Road

Flagg Road is an urban collector that connects residential areas to Routes 9 and via Deerfoot Road connects to Main Street (Route 30) which already has an existing 24-Hour Exclusion (All Vehicles 2.5 Tons and Over). Flagg Road is generally oriented in the northeast-southwest direction, extending from Turnpike Road (Route 9) to the southwest and terminating at Deerfoot Road to the northeast. The roadway is approximately 21 feet wide with no shoulders and a single yellow centerline for the majority of the roadway. No sidewalks are present along Flagg Road. Pavement is in fair condition with visible cracking and a few areas with missing pavement/potholes. There is a posted speed limit of 25 MPH on the road. Land use along the roadway is residential.

### Traffic Volumes

To identify current traffic characteristics and conditions daily traffic volumes were collected on Flagg Road for a 48-hour period between May 4<sup>th</sup>, 2021 through May 6<sup>th</sup>, 2016 (Tuesday through Thursday) using automatic traffic

120 Front Street  
Suite 500  
Worcester, MA 01608-1420  
P 508.513.2716

recorders (ATR). The ATR was located approximately 1000 feet north of Turnpike Road (Route 9). The volumes are summarized in Table 1. The 15-minute breakdown of the ATR counts are attached.

Table 1 Existing Traffic Volume Summary

Location	Traveling	Total Volume <sup>a</sup>	Heavy Vehicle Volume <sup>b</sup>	HV %
Flagg Road, North of Route 9	NB	397	39	10%
	SB	535	37	7%

The ATR data shown in Table 1 shows that there is a volume of heavy vehicles sufficient to warrant Condition A in the Massachusetts Amendments to the MUTCD for Heavy Commercial Vehicle Exclusion. There is consistent heavy vehicle volume in both directions on Flagg Road, but there is also a significantly larger total vehicular volume in the southbound direction which decreases the heavy vehicle percentages compared to the northbound percentage. It should be noted that of the 78 heavy vehicles observed a total of six (6) were trailer trucks, with all others being vehicles consistent with home delivery or construction vehicles.

**Proposed Alternate Route**

As part of the guidelines set by the Massachusetts Amendments to the MUTCD, Section 10A-9 Heavy Commercial Vehicle Exclusion, a suitable alternate route must be provided for the potential excluded roadway.

It should be noted that there is no alternate route available that does not violate an existing heavy vehicle exclusion. Heavy vehicles traveling on Flagg Road for the purposes of making deliveries either on Flagg Road or nearby excluded roadways would not be subject to the proposed exclusion. That being said the proposed alternate route would have heavy commercial vehicles travel on Turnpike Road (Route 9) and East Main Street (Route 30) in Westboro, which would require the Town of Westborough’s approval as a portion of East Main Street is under the Town’s jurisdiction. This route would minimize the amount of time a vehicle would need to be on an excluded route to reach the other end of Flagg Road. It should be noted that heavy vehicles legally traveling eastbound on Route 30, especially those with trailers, do not have an adequate location to turn around prior to Deerfoot Road without using a roadway already under an exclusion.

*Turnpike Road (Route 9)* is a four lane, two-way urban principal arterial roadway. It is generally oriented in the east-west direction, between Flagg Road and Cordaville Road (Route 9). The roadway has two 12-foot travel lanes in each direction, with 2-foot left side shoulders and a 2-foot rigid positive barrier median and 10-foot marked right side shoulders on each side of the roadway that are designated to be used as turn lanes at intersections along the roadway. No sidewalks are present along this segment of Turnpike Road (Route 9). Pavement is in good condition with little to no cracking in the roadway. Flagg Road intersects Turnpike Road (Route 9) from the north to form a T-intersection with the westbound travel lanes of Turnpike Road, there is no access to Flagg Road from the eastbound travel lanes of Turnpike Road (Route 9). Flagg Road is under STOP control, while Turnpike Road (Route 9) is uncontrolled. The posted speed limit in the area is 55 miles per hour (mph). Land use along the roadway is primarily commercial.

*East Main Street (Route 30)* is a two lane, two-way urban minor arterial. It is generally oriented in the east-west direction, between Turnpike Road (Route 9) and the Southborough Town line, and then continues as Main Street (Route 30). The roadway has two 13-foot travel lanes in each direction, with 2-foot marked shoulders on each side of the roadway until the Town line, at which point the shoulders increase to 8-feet on each side. No sidewalks are present between Turnpike Road (Route 9) and Sears Road after which a 5-foot asphalt sidewalk is present. Pavement is in fair condition with some visible cracking. The posted speed limit in the area is 40 mph. Land use along the roadway is primarily residential.

**Travel Times and Distances**

The alternate route travel times and distances as compared to the excluded route are summarized in Table 2 below. The travel time and distance information, as shown in Table 2, suggest that there is no significant difference in travel time and distance traveled using the proposed alternate route.

**Table 2      Alternate Route Travel Times and Distances**

<b>Turnpike Road WB at Flagg Rd to Deerfoot Rd at Main St</b>			
	<b>Route</b>	<b>Travel Time</b>	<b>Distance Traveled</b>
Proposed Excluded Route	Via Flagg Road	4 Minutes	1.7 Miles
Proposed Alternate Route	Via East Main Street	7 Minutes	5.2 Miles
<b>Deerfoot Rd at Main St to Turnpike Road WB at Flagg Rd</b>			
	<b>Route</b>	<b>Travel Time</b>	<b>Distance Traveled</b>
Proposed Excluded Route	Via Flagg Road	6 Minutes	2.3 Miles
Proposed Alternate Route	Via Cordaville Road	14 Minutes	9.1 Miles

Source: Google Maps

a. Travel times are based on time trials performed during evening peak hours.

**Conclusion**

VHB’s review indicates that there is sufficient data to warrant a truck exclusion for commercial vehicles with a carrying capacity of 2 ½ tons or more for the entire length of Flagg Road from Turnpike Road (Route 9) to Deerfoot Road. The roadway’s heavy vehicle percentage falls within the criteria set forth by the Massachusetts Amendments to the MUTCD, Section 10A-9 Heavy Commercial Vehicle Exclusion. That being said, the proposed exclusion is unlikely to significantly reduce the number of target vehicles on the roadway as the majority of vehicles carrying over 2 ½ tons appear to be daily delivery vehicles that would be exempt from the exclusion. Furthermore, the preferred alternate

Ref: 15295.00

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route would require authorization by the Town of Westborough, and the use of a roadway with a pre-existing heavy vehicle exclusion.

If the exclusion is approved, the Town would be responsible for placing heavy commercial vehicle exclusion signage as well as truck route signage at the intersections of Flagg Road at Turnpike Road (Route 9) and Flagg Road at Deerfoot Road. Heavy commercial vehicle exclusion warning signage would be required near the intersection of Deerfoot Road at Main Street (Route 30) to give forewarning to heavy commercial drivers who intend to use Flagg Road.

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
D A T A  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date:  
Tuesday, May, 04, 2021

Volume

NB					SB					Combined							
Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min			
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12:30 AM	0		12:30 PM	6	12:30 AM	0		12:30 PM	3	12:30 AM	0		12:30 PM	9			
12:45 AM	0	0	12:45 PM	7	20	12:45 AM	0	0	12:45 PM	6	27	12:45 AM	0	0	12:45 PM	13	47
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2:00 AM	0		2:00 PM	4		2:00 AM	0		2:00 PM	10		2:00 AM	0		2:00 PM	14	
2:15 AM	0		2:15 PM	9		2:15 AM	0		2:15 PM	12		2:15 AM	0		2:15 PM	21	
2:30 AM	0		2:30 PM	6		2:30 AM	0		2:30 PM	19		2:30 AM	0		2:30 PM	25	
2:45 AM	0	0	2:45 PM	10	29	2:45 AM	0	0	2:45 PM	15	56	2:45 AM	0	0	2:45 PM	25	85
3:00 AM	0		3:00 PM	6		3:00 AM	0		3:00 PM	18		3:00 AM	0		3:00 PM	24	
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11:45 AM	7	23	11:45 PM	1	3	11:45 AM	6	32	11:45 PM	2	2	11:45 AM	13	55	11:45 PM	3	5
<b>Total</b>	<b>33</b>			<b>265</b>		<b>Total</b>	<b>42</b>		<b>332</b>		<b>Total</b>	<b>75</b>		<b>597</b>			
<b>Percent</b>	<b>11.07%</b>			<b>88.93%</b>		<b>Percent</b>	<b>11.23%</b>		<b>88.77%</b>		<b>Percent</b>	<b>11.16%</b>		<b>88.84%</b>			
<b>Day Total</b>			<b>298</b>			<b>Day Total</b>			<b>374</b>		<b>Day Total</b>			<b>672</b>			
<b>Peak Hour</b>	<b>11:15 AM</b>			<b>6:15 PM</b>		<b>Peak Hour</b>	<b>11:15 AM</b>		<b>2:15 PM</b>		<b>Peak Hour</b>	<b>11:15 AM</b>		<b>2:15 PM</b>			
<b>Volume</b>	<b>25</b>			<b>45</b>		<b>Volume</b>	<b>37</b>		<b>64</b>		<b>Volume</b>	<b>62</b>		<b>95</b>			
<b>P.H.F.</b>	<b>0.568</b>			<b>0.750</b>		<b>P.H.F.</b>	<b>0.841</b>		<b>0.842</b>		<b>P.H.F.</b>	<b>0.738</b>		<b>0.950</b>			



#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PDI File #: 217917 ATR-A

Count Date:  
Wednesday, May 5, 2021

Volume

NB					SB					Combined							
Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min			
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10:45 AM	3	15	10:45 PM	1	6	10:45 AM	10	33	10:45 PM	1	4	10:45 AM	13	48	10:45 PM	2	10
11:00 AM	7		11:00 PM	0	11:00 AM	5		11:00 PM	0	11:00 AM	12		11:00 PM	0			
11:15 AM	7		11:15 PM	0	11:15 AM	9		11:15 PM	0	11:15 AM	16		11:15 PM	0			
11:30 AM	6		11:30 PM	1	11:30 AM	10		11:30 PM	0	11:30 AM	16		11:30 PM	1			
11:45 AM	3	23	11:45 PM	1	2	11:45 AM	7	31	11:45 PM	0	0	11:45 AM	10	54	11:45 PM	1	2
<b>Total</b>	<b>125</b>		<b>276</b>		<b>Total</b>	<b>203</b>		<b>348</b>		<b>Total</b>	<b>328</b>		<b>624</b>				
<b>Percent</b>	<b>31.17%</b>		<b>68.83%</b>		<b>Percent</b>	<b>36.84%</b>		<b>63.16%</b>		<b>Percent</b>	<b>34.45%</b>		<b>65.55%</b>				
<b>Day Total</b>			<b>401</b>		<b>Day Total</b>			<b>551</b>		<b>Day Total</b>			<b>952</b>				
<b>Peak Hour</b>	<b>7:15 AM</b>		<b>4:30 PM</b>		<b>Peak Hour</b>	<b>6:30 AM</b>		<b>4:30 PM</b>		<b>Peak Hour</b>	<b>7:15 AM</b>		<b>4:30 PM</b>				
<b>Volume</b>	<b>35</b>		<b>43</b>		<b>Volume</b>	<b>41</b>		<b>64</b>		<b>Volume</b>	<b>73</b>		<b>107</b>				
<b>P.H.F.</b>	<b>0.875</b>		<b>0.896</b>		<b>P.H.F.</b>	<b>0.854</b>		<b>0.667</b>		<b>P.H.F.</b>	<b>0.913</b>		<b>0.764</b>				

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
D A T A  
INDUSTRIES, LLC  
157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date:  
Thursday, May 6, 2021

Volume

NB					SB					Combined						
Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min		
12:00 AM	3		12:00 PM	0	12:00 AM	0		12:00 PM	0	12:00 AM	3		12:00 PM	0		
12:15 AM	0		12:15 PM	0	12:15 AM	0		12:15 PM	0	12:15 AM	0		12:15 PM	0		
12:30 AM	0		12:30 PM	0	12:30 AM	0		12:30 PM	0	12:30 AM	0		12:30 PM	0		
12:45 AM	0	3	12:45 PM	0	0	12:45 AM	0	0	12:45 PM	0	0	3	12:45 PM	0	0	
1:00 AM	0		1:00 PM	0	1:00 AM	1		1:00 PM	0	1:00 AM	1		1:00 PM	0		
1:15 AM	0		1:15 PM	0	1:15 AM	0		1:15 PM	0	1:15 AM	0		1:15 PM	0		
1:30 AM	0		1:30 PM	0	1:30 AM	0		1:30 PM	0	1:30 AM	0		1:30 PM	0		
1:45 AM	0	0	1:45 PM	0	0	1:45 AM	0	1	1:45 PM	0	0	1	1:45 PM	0	0	
2:00 AM	0		2:00 PM	0	2:00 AM	0		2:00 PM	0	2:00 AM	0		2:00 PM	0		
2:15 AM	0		2:15 PM	0	2:15 AM	0		2:15 PM	0	2:15 AM	0		2:15 PM	0		
2:30 AM	0		2:30 PM	0	2:30 AM	0		2:30 PM	0	2:30 AM	0		2:30 PM	0		
2:45 AM	0	0	2:45 PM	0	0	2:45 AM	0	0	2:45 PM	0	0	0	2:45 PM	0	0	
3:00 AM	0		3:00 PM	0	3:00 AM	1		3:00 PM	0	3:00 AM	1		3:00 PM	0		
3:15 AM	0		3:15 PM	0	3:15 AM	0		3:15 PM	0	3:15 AM	0		3:15 PM	0		
3:30 AM	0		3:30 PM	0	3:30 AM	0		3:30 PM	0	3:30 AM	0		3:30 PM	0		
3:45 AM	0	0	3:45 PM	0	0	3:45 AM	0	1	3:45 PM	0	0	1	3:45 PM	0	0	
4:00 AM	0		4:00 PM	0	4:00 AM	0		4:00 PM	0	4:00 AM	0		4:00 PM	0		
4:15 AM	0		4:15 PM	0	4:15 AM	1		4:15 PM	0	4:15 AM	1		4:15 PM	0		
4:30 AM	0		4:30 PM	0	4:30 AM	0		4:30 PM	0	4:30 AM	0		4:30 PM	0		
4:45 AM	0	0	4:45 PM	0	0	4:45 AM	0	1	4:45 PM	0	0	1	4:45 PM	0	0	
5:00 AM	0		5:00 PM	0	5:00 AM	2		5:00 PM	0	5:00 AM	2		5:00 PM	0		
5:15 AM	0		5:15 PM	0	5:15 AM	1		5:15 PM	0	5:15 AM	1		5:15 PM	0		
5:30 AM	0		5:30 PM	0	5:30 AM	1		5:30 PM	0	5:30 AM	1		5:30 PM	0		
5:45 AM	1	1	5:45 PM	0	0	5:45 AM	6	10	5:45 PM	0	0	7	11	5:45 PM	0	0
6:00 AM	1		6:00 PM	0	6:00 AM	1		6:00 PM	0	6:00 AM	2		6:00 PM	0		
6:15 AM	0		6:15 PM	0	6:15 AM	3		6:15 PM	0	6:15 AM	3		6:15 PM	0		
6:30 AM	2		6:30 PM	0	6:30 AM	9		6:30 PM	0	6:30 AM	11		6:30 PM	0		
6:45 AM	6	9	6:45 PM	0	0	6:45 AM	17	30	6:45 PM	0	0	23	39	6:45 PM	0	0
7:00 AM	8		7:00 PM	0	7:00 AM	8		7:00 PM	0	7:00 AM	16		7:00 PM	0		
7:15 AM	7		7:15 PM	0	7:15 AM	11		7:15 PM	0	7:15 AM	18		7:15 PM	0		
7:30 AM	12		7:30 PM	0	7:30 AM	9		7:30 PM	0	7:30 AM	21		7:30 PM	0		
7:45 AM	9	36	7:45 PM	0	0	7:45 AM	13	41	7:45 PM	0	0	22	77	7:45 PM	0	0
8:00 AM	5		8:00 PM	0	8:00 AM	6		8:00 PM	0	8:00 AM	11		8:00 PM	0		
8:15 AM	8		8:15 PM	0	8:15 AM	8		8:15 PM	0	8:15 AM	16		8:15 PM	0		
8:30 AM	5		8:30 PM	0	8:30 AM	5		8:30 PM	0	8:30 AM	10		8:30 PM	0		
8:45 AM	5	23	8:45 PM	0	0	8:45 AM	5	24	8:45 PM	0	0	10	47	8:45 PM	0	0
9:00 AM	7		9:00 PM	0	9:00 AM	6		9:00 PM	0	9:00 AM	13		9:00 PM	0		
9:15 AM	5		9:15 PM	0	9:15 AM	4		9:15 PM	0	9:15 AM	9		9:15 PM	0		
9:30 AM	5		9:30 PM	0	9:30 AM	12		9:30 PM	0	9:30 AM	17		9:30 PM	0		
9:45 AM	1	18	9:45 PM	0	0	9:45 AM	10	32	9:45 PM	0	0	11	50	9:45 PM	0	0
10:00 AM	2		10:00 PM	0	10:00 AM	6		10:00 PM	0	10:00 AM	8		10:00 PM	0		
10:15 AM	5		10:15 PM	0	10:15 AM	9		10:15 PM	0	10:15 AM	14		10:15 PM	0		
10:30 AM	5		10:30 PM	0	10:30 AM	7		10:30 PM	0	10:30 AM	12		10:30 PM	0		
10:45 AM	6	18	10:45 PM	0	0	10:45 AM	4	26	10:45 PM	0	0	10	44	10:45 PM	0	0
11:00 AM	8		11:00 PM	0	11:00 AM	10		11:00 PM	0	11:00 AM	18		11:00 PM	0		
11:15 AM	7		11:15 PM	0	11:15 AM	8		11:15 PM	0	11:15 AM	15		11:15 PM	0		
11:30 AM	4		11:30 PM	0	11:30 AM	3		11:30 PM	0	11:30 AM	7		11:30 PM	0		
11:45 AM	0	19	11:45 PM	0	0	11:45 AM	0	21	11:45 PM	0	0	0	40	11:45 PM	0	0
<b>Total</b>	<b>127</b>		<b>0</b>		<b>Total</b>	<b>187</b>		<b>0</b>		<b>Total</b>	<b>314</b>		<b>0</b>			
<b>Percent</b>	<b>100.00%</b>		<b>0.00%</b>		<b>Percent</b>	<b>100.00%</b>		<b>0.00%</b>		<b>Percent</b>	<b>100.00%</b>		<b>0.00%</b>			
<b>Day Total</b>		<b>127</b>			<b>Day Total</b>		<b>187</b>			<b>Day Total</b>		<b>314</b>				
<b>Peak Hour</b>	<b>7:00 AM</b>		<b>12:00 PM</b>		<b>Peak Hour</b>	<b>6:30 AM</b>		<b>12:00 PM</b>		<b>Peak Hour</b>	<b>6:45 AM</b>		<b>12:00 PM</b>			
<b>Volume</b>	<b>36</b>		<b>0</b>		<b>Volume</b>	<b>45</b>		<b>0</b>		<b>Volume</b>	<b>78</b>		<b>0</b>			
<b>P.H.F.</b>	<b>0.750</b>		<b>0.000</b>		<b>P.H.F.</b>	<b>0.662</b>		<b>0.000</b>		<b>P.H.F.</b>	<b>0.848</b>		<b>0.000</b>			



#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0111

PDI File #: 217917 ATR-A

Count Date  
Tuesday, May, 04, 2021

Classification (60-minute)

NB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	6	2	0	2	0	0	0	0	0	0	0	0	10
11:00 AM	0	16	4	0	3	0	0	0	0	0	0	0	0	23
12:00 PM	0	15	3	1	1	0	0	0	0	0	0	0	0	20
1:00 PM	0	14	5	1	4	0	0	0	0	0	0	0	0	24
2:00 PM	0	22	5	0	2	0	0	0	0	0	0	0	0	29
3:00 PM	0	17	4	1	4	0	0	0	0	0	0	0	0	26
4:00 PM	0	24	6	1	1	0	0	0	0	0	0	0	0	32
5:00 PM	0	29	2	0	3	0	0	0	0	0	0	0	0	34
6:00 PM	0	34	5	0	0	0	0	0	0	0	0	0	0	39
7:00 PM	0	27	1	0	0	0	0	0	0	0	0	0	0	28
8:00 PM	0	16	1	0	2	0	0	0	0	0	0	0	0	19
9:00 PM	0	9	0	0	0	0	0	0	0	0	0	0	0	9
10:00 PM	0	1	1	0	0	0	0	0	0	0	0	0	0	2
11:00 PM	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Total	0	233	39	4	22	0	0	0	0	0	0	0	0	298
Percent	0.00%	78.19%	13.09%	1.34%	7.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

AM Peak		11:00 AM	11:00 AM		11:00 AM									11:00 AM
Volume	0	16	4	0	3	0	0	0	0	0	0	0	0	23
PM Peak		6:00 PM	4:00 PM	12:00 PM	1:00 PM									6:00 PM
Volume	0	34	6	1	4	0	0	0	0	0	0	0	0	39

Cycles:	0	0.0%
Cars and Light Trucks:	272	91.3%
Heavy Vehicles:	26	8.7%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Tuesday, May, 04, 2021

Classification (60-minute)

SB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	8	2	0	0	0	0	0	0	0	0	0	0	10
11:00 AM	0	23	8	0	1	0	0	0	0	0	0	0	0	32
12:00 PM	0	19	7	1	0	0	0	0	0	0	0	0	0	27
1:00 PM	0	17	6	0	3	0	0	1	0	0	0	0	0	27
2:00 PM	0	39	10	1	6	0	0	0	0	0	0	0	0	56
3:00 PM	0	40	7	0	2	0	0	0	0	0	0	0	0	49
4:00 PM	0	30	10	0	4	0	0	0	0	0	0	0	0	44
5:00 PM	0	36	11	0	3	0	0	0	0	0	0	0	0	50
6:00 PM	0	24	5	0	2	0	0	0	0	0	0	0	0	31
7:00 PM	0	18	5	0	2	0	0	0	0	0	0	0	0	25
8:00 PM	0	12	1	0	1	0	0	0	0	0	0	0	0	14
9:00 PM	0	4	1	0	0	0	0	0	0	0	0	0	0	5
10:00 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
11:00 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
PM Total	0	274	73	2	24	0	0	1	0	0	0	0	0	374
Percent	0.00%	73.26%	19.52%	0.53%	6.42%	0.00%	0.00%	0.27%	0.00%	0.00%	0.00%	0.00%	0.00%	

AM Peak		11:00 AM	11:00 AM		11:00 AM										11:00 AM
Volume	0	23	8	0	1	0	0	0	0	0	0	0	0	0	32
PM Peak		3:00 PM	5:00 PM	12:00 PM	2:00 PM			1:00 PM							2:00 PM
Volume	0	40	11	1	6	0	0	1	0	0	0	0	0	56	

Cycles:	0	0.0%
Cars and Light Trucks:	347	92.8%
Heavy Vehicles:	27	7.2%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Tuesday, May, 04, 2021

Classification (60-minute)

Combined

Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	14	4	0	2	0	0	0	0	0	0	0	0	20
11:00 AM	0	39	12	0	4	0	0	0	0	0	0	0	0	55
12:00 PM	0	34	10	2	1	0	0	0	0	0	0	0	0	47
1:00 PM	0	31	11	1	7	0	0	1	0	0	0	0	0	51
2:00 PM	0	61	15	1	8	0	0	0	0	0	0	0	0	85
3:00 PM	0	57	11	1	6	0	0	0	0	0	0	0	0	75
4:00 PM	0	54	16	1	5	0	0	0	0	0	0	0	0	76
5:00 PM	0	65	13	0	6	0	0	0	0	0	0	0	0	84
6:00 PM	0	58	10	0	2	0	0	0	0	0	0	0	0	70
7:00 PM	0	45	6	0	2	0	0	0	0	0	0	0	0	53
8:00 PM	0	28	2	0	3	0	0	0	0	0	0	0	0	33
9:00 PM	0	13	1	0	0	0	0	0	0	0	0	0	0	14
10:00 PM	0	3	1	0	0	0	0	0	0	0	0	0	0	4
11:00 PM	0	5	0	0	0	0	0	0	0	0	0	0	0	5
PM Total	0	507	112	6	46	0	0	1	0	0	0	0	0	672
Percent	0.00%	75.45%	16.67%	0.89%	6.85%	0.00%	0.00%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	
AM Peak		11:00 AM	11:00 AM		11:00 AM									11:00 AM
Volume	0	39	12	0	4	0	0	0	0	0	0	0	0	55
PM Peak		5:00 PM	4:00 PM	12:00 PM	2:00 PM			1:00 PM						2:00 PM
Volume	0	65	16	2	8	0	0	1	0	0	0	0	0	85

Cycles:	0	0.0%
Cars and Light Trucks:	619	92.1%
Heavy Vehicles:	53	7.9%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
DATA  
INDUSTRIES LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Wednesday, May 5, 2021

Classification (60-minute)

NB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	3
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
5:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:00 AM	0	3	0	1	1	0	0	0	0	0	0	0	0	5
7:00 AM	0	19	4	4	4	1	0	0	0	0	0	0	0	32
8:00 AM	0	14	10	0	1	0	0	0	0	0	0	0	0	25
9:00 AM	0	14	4	0	2	0	0	0	0	0	0	0	0	20
10:00 AM	0	9	6	0	0	0	0	0	0	0	0	0	0	15
11:00 AM	0	17	2	0	4	0	0	0	0	0	0	0	0	23
12:00 PM	0	14	6	0	2	0	0	0	0	0	0	0	0	22
1:00 PM	0	29	4	1	1	0	0	0	0	0	0	0	0	35
2:00 PM	0	23	6	1	3	0	0	0	1	0	0	0	0	34
3:00 PM	0	26	2	1	2	0	0	0	0	0	0	0	0	31
4:00 PM	0	27	5	2	0	0	0	0	1	0	0	0	0	35
5:00 PM	0	32	5	0	2	0	0	0	0	0	0	0	0	39
6:00 PM	0	28	5	0	1	0	0	0	0	0	0	0	0	34
7:00 PM	0	14	3	0	0	0	0	0	0	0	0	0	0	17
8:00 PM	0	13	1	0	1	0	0	0	0	0	0	0	0	15
9:00 PM	0	5	1	0	0	0	0	0	0	0	0	0	0	6
10:00 PM	0	6	0	0	0	0	0	0	0	0	0	0	0	6
11:00 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	299	65	10	24	1	0	0	2	0	0	0	0	401
Percent	0.00%	74.56%	16.21%	2.49%	5.99%	0.25%	0.00%	0.00%	0.50%	0.00%	0.00%	0.00%	0.00%	

AM Peak		7:00 AM	8:00 AM	7:00 AM	7:00 AM	7:00 AM									7:00 AM
Volume	0	19	10	4	4	1	0	0	0	0	0	0	0	0	32
PM Peak		5:00 PM	12:00 PM	4:00 PM	2:00 PM				2:00 PM						5:00 PM
Volume	0	32	6	2	3	0	0	0	1	0	0	0	0	39	

Cycles:	0	0.0%
Cars and Light Trucks:	364	90.8%
Heavy Vehicles:	37	9.2%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PDI File #: 217917 ATR-A

Count Date

Wednesday, May 5, 2021

Classification (60-minute)

SB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:00 AM	0	6	0	0	1	0	0	0	0	0	0	0	0	7
6:00 AM	0	20	6	0	2	0	0	0	0	0	0	0	0	28
7:00 AM	0	27	11	1	0	0	0	0	0	0	0	0	0	39
8:00 AM	0	25	7	0	2	0	0	0	0	0	0	0	0	34
9:00 AM	0	21	5	0	1	0	0	0	0	0	0	0	0	27
10:00 AM	0	28	4	0	1	0	0	0	0	0	0	0	0	33
11:00 AM	0	23	5	0	3	0	0	0	0	0	0	0	0	31
12:00 PM	0	19	5	1	1	0	0	0	0	0	0	0	0	26
1:00 PM	0	28	11	0	1	0	0	0	0	0	0	0	0	40
2:00 PM	0	45	11	1	2	1	0	0	0	0	0	0	0	60
3:00 PM	0	36	7	0	2	0	0	0	0	0	0	0	0	45
4:00 PM	0	45	7	0	2	0	0	0	0	0	0	0	0	54
5:00 PM	0	46	12	1	2	0	0	1	0	0	0	0	0	62
6:00 PM	0	16	4	0	1	0	0	1	0	0	0	0	0	22
7:00 PM	0	17	5	0	0	0	0	0	0	0	0	0	0	22
8:00 PM	0	8	1	0	2	0	0	0	0	0	0	0	0	11
9:00 PM	0	1	1	0	0	0	0	0	0	0	0	0	0	2
10:00 PM	0	3	1	0	0	0	0	0	0	0	0	0	0	4
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Total	0	417	104	4	23	1	0	2	0	0	0	0	0	551
Percent	0.00%	75.68%	18.87%	0.73%	4.17%	0.18%	0.00%	0.36%	0.00%	0.00%	0.00%	0.00%	0.00%	

AM Peak	10:00 AM	7:00 AM	7:00 AM	11:00 AM										7:00 AM
Volume	0	28	11	1	3	0	0	0	0	0	0	0	0	39
PM Peak	5:00 PM	5:00 PM	12:00 PM	2:00 PM	2:00 PM			5:00 PM						5:00 PM
Volume	0	46	12	1	2	1	0	1	0	0	0	0	0	62

Cycles:	0	0.0%
Cars and Light Trucks:	521	94.6%
Heavy Vehicles:	30	5.4%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
D A T A  
INDUSTRIES, LLC  
157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date

Wednesday, May 5, 2021

Classification (60-minute)

Combined

Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	3	0	0	0	0	0	0	0	0	0	0	0	3
1:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:00 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	2
5:00 AM	0	7	0	0	1	0	0	0	0	0	0	0	0	8
6:00 AM	0	23	6	1	3	0	0	0	0	0	0	0	0	33
7:00 AM	0	46	15	5	4	1	0	0	0	0	0	0	0	71
8:00 AM	0	39	17	0	3	0	0	0	0	0	0	0	0	59
9:00 AM	0	35	9	0	3	0	0	0	0	0	0	0	0	47
10:00 AM	0	37	10	0	1	0	0	0	0	0	0	0	0	48
11:00 AM	0	40	7	0	7	0	0	0	0	0	0	0	0	54
12:00 PM	0	33	11	1	3	0	0	0	0	0	0	0	0	48
1:00 PM	0	57	15	1	2	0	0	0	0	0	0	0	0	75
2:00 PM	0	68	17	2	5	1	0	0	1	0	0	0	0	94
3:00 PM	0	62	9	1	4	0	0	0	0	0	0	0	0	76
4:00 PM	0	72	12	2	2	0	0	0	1	0	0	0	0	89
5:00 PM	0	78	17	1	4	0	0	1	0	0	0	0	0	101
6:00 PM	0	44	9	0	2	0	0	1	0	0	0	0	0	56
7:00 PM	0	31	8	0	0	0	0	0	0	0	0	0	0	39
8:00 PM	0	21	2	0	3	0	0	0	0	0	0	0	0	26
9:00 PM	0	6	2	0	0	0	0	0	0	0	0	0	0	8
10:00 PM	0	9	1	0	0	0	0	0	0	0	0	0	0	10
11:00 PM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
PM Total	0	716	169	14	47	2	0	2	2	0	0	0	0	952
Percent	0.00%	75.21%	17.75%	1.47%	4.94%	0.21%	0.00%	0.21%	0.21%	0.00%	0.00%	0.00%	0.00%	

AM Peak		7:00 AM	8:00 AM	7:00 AM	11:00 AM	7:00 AM									7:00 AM
Volume	0	46	17	5	7	1	0	0	0	0	0	0	0	0	71
PM Peak		5:00 PM	2:00 PM	2:00 PM	2:00 PM	2:00 PM		5:00 PM	2:00 PM						5:00 PM
Volume	0	78	17	2	5	1	0	1	1	0	0	0	0	101	

Cycles:	0	0.0%
Cars and Light Trucks:	885	93.0%
Heavy Vehicles:	67	7.0%



#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

Classification (60-minute)

NB															
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total	
12:00 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	3	
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
6:00 AM	0	2	2	2	3	0	0	0	0	0	0	0	0	9	
7:00 AM	0	23	8	3	1	0	0	1	0	0	0	0	0	36	
8:00 AM	0	15	6	0	2	0	0	0	0	0	0	0	0	23	
9:00 AM	0	9	8	0	1	0	0	0	0	0	0	0	0	18	
10:00 AM	0	14	3	1	0	0	0	0	0	0	0	0	0	18	
11:00 AM	0	15	4	0	0	0	0	0	0	0	0	0	0	19	
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	80	33	6	7	0	0	1	0	0	0	0	0	127	
Percent	0.00%	62.99%	25.98%	4.72%	5.51%	0.00%	0.00%	0.79%	0.00%	0.00%	0.00%	0.00%	0.00%		

AM Peak		7:00 AM	7:00 AM	7:00 AM	6:00 AM			7:00 AM							7:00 AM
Volume	0	23	8	3	3	0	0	1	0	0	0	0	0	0	36
PM Peak															
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cycles:	0	0.0%
Cars and Light Trucks:	113	89.0%
Heavy Vehicles:	14	11.0%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

Classification (60-minute)

SB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:00 AM	0	7	1	0	2	0	0	0	0	0	0	0	0	10
6:00 AM	0	25	4	0	1	0	0	0	0	0	0	0	0	30
7:00 AM	0	33	6	0	2	0	0	0	0	0	0	0	0	41
8:00 AM	0	17	5	1	1	0	0	0	0	0	0	0	0	24
9:00 AM	0	20	10	0	2	0	0	0	0	0	0	0	0	32
10:00 AM	0	22	4	0	0	0	0	0	0	0	0	0	0	26
11:00 AM	0	20	1	0	0	0	0	0	0	0	0	0	0	21
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Total	0	145	32	1	9	0	0	0	0	0	0	0	0	187
Percent	0.00%	77.54%	17.11%	0.53%	4.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
AM Peak		7:00 AM	9:00 AM	8:00 AM	5:00 AM									7:00 AM
Volume	0	33	10	1	2	0	0	0	0	0	0	0	0	41
PM Peak														
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cycles:	0	0.0%
Cars and Light Trucks:	177	94.7%
Heavy Vehicles:	10	5.3%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
D A T A  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

Classification (60-minute)

Combined														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	1	2	0	0	0	0	0	0	0	0	0	0	3
1:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1
5:00 AM	0	8	1	0	2	0	0	0	0	0	0	0	0	11
6:00 AM	0	27	6	2	4	0	0	0	0	0	0	0	0	39
7:00 AM	0	56	14	3	3	0	0	1	0	0	0	0	0	77
8:00 AM	0	32	11	1	3	0	0	0	0	0	0	0	0	47
9:00 AM	0	29	18	0	3	0	0	0	0	0	0	0	0	50
10:00 AM	0	36	7	1	0	0	0	0	0	0	0	0	0	44
11:00 AM	0	35	5	0	0	0	0	0	0	0	0	0	0	40
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Total	0	225	65	7	16	0	0	1	0	0	0	0	0	314
Percent	0.00%	71.66%	20.70%	2.23%	5.10%	0.00%	0.00%	0.32%	0.00%	0.00%	0.00%	0.00%	0.00%	

AM Peak		7:00 AM	9:00 AM	7:00 AM	6:00 AM			7:00 AM						7:00 AM
Volume	0	56	18	3	4	0	0	1	0	0	0	0	0	77
PM Peak														
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cycles:	0	0.0%
Cars and Light Trucks:	290	92.4%
Heavy Vehicles:	24	7.6%

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
DATA  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Tuesday, May, 04, 2021

Speed (60-minute)

Start Time:	NB													Total	85th %ile	Ave Speed	
	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+				
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 AM	0	0	1	5	4	0	0	0	0	0	0	0	0	10	33.0	29.6	
11:00 AM	0	0	2	11	7	3	0	0	0	0	0	0	0	23	33.4	29.2	
12:00 PM	0	1	0	10	6	3	0	0	0	0	0	0	0	20	34.2	29.6	
1:00 PM	0	0	0	8	12	2	2	0	0	0	0	0	0	24	34.6	31.7	
2:00 PM	0	0	1	12	11	5	0	0	0	0	0	0	0	29	34.8	30.4	
3:00 PM	0	0	7	5	7	7	0	0	0	0	0	0	0	26	36.0	29.4	
4:00 PM	1	0	4	9	16	1	1	0	0	0	0	0	0	32	33.0	29.2	
5:00 PM	0	0	3	12	15	3	1	0	0	0	0	0	0	34	34.0	30.2	
6:00 PM	0	0	1	21	12	5	0	0	0	0	0	0	0	39	34.0	29.7	
7:00 PM	0	0	3	9	11	5	0	0	0	0	0	0	0	28	35.0	30.3	
8:00 PM	0	0	1	10	7	1	0	0	0	0	0	0	0	19	32.3	29.2	
9:00 PM	0	0	0	3	4	2	0	0	0	0	0	0	0	9	36.0	30.9	
10:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	2	34.7	31.5	
11:00 PM	0	0	0	3	0	0	0	0	0	0	0	0	0	3	28.7	27.7	
Total	1	1	23	119	112	38	4	0	0	0	0	0	0	298	34.0	29.9	
Percent	0.34%	0.34%	7.72%	39.93%	37.58%	12.75%	1.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				

AM Peak	11:00 AM											11:00 AM		
Volume	0	0	2	11	7	3	0	0	0	0	0	0	0	23
PM Peak	4:00 PM	12:00 PM	3:00 PM	6:00 PM	4:00 PM	3:00 PM	1:00 PM							6:00 PM
Volume	1	1	7	21	16	7	2	0	0	0	0	0	0	39

15th Percentile:	26.0 MPH	Average Speed:	29.9 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	30.0 MPH	10 MPH Pace:	26 to 35 MPH	Number of Vehicles > 30 MPH:	127
85th Percentile:	34.0 MPH	Number in Pace:	232	Percent of Vehicles > 30 MPH:	42.6%
95th Percentile:	37.0 MPH	Percent in Pace:	77.9%		

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
DATA  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date

Tuesday, May, 04, 2021

Speed (60-minute)

SB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 AM	0	0	1	3	2	3	1	0	0	0	0	0	0	10	36.7	32.0
11:00 AM	0	0	1	6	17	5	2	1	0	0	0	0	0	32	37.0	32.8
12:00 PM	0	1	0	6	13	4	3	0	0	0	0	0	0	27	38.0	32.2
1:00 PM	0	0	0	6	11	7	2	1	0	0	0	0	0	27	36.2	33.5
2:00 PM	0	1	3	9	23	16	4	0	0	0	0	0	0	56	38.0	32.8
3:00 PM	0	0	1	10	17	15	5	1	0	0	0	0	0	49	38.8	33.9
4:00 PM	0	0	0	7	19	15	3	0	0	0	0	0	0	44	37.0	33.3
5:00 PM	0	1	1	8	28	9	3	0	0	0	0	0	0	50	36.0	32.7
6:00 PM	0	0	2	12	8	7	1	0	1	0	0	0	0	31	36.5	31.8
7:00 PM	0	0	2	4	10	7	2	0	0	0	0	0	0	25	37.0	32.5
8:00 PM	0	0	3	7	3	1	0	0	0	0	0	0	0	14	30.1	27.8
9:00 PM	0	0	0	1	1	1	2	0	0	0	0	0	0	5	41.4	35.4
10:00 PM	0	0	0	1	0	1	0	0	0	0	0	0	0	2	33.8	31.0
11:00 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	2	30.4	29.0
Total	0	3	14	81	153	91	28	3	1	0	0	0	0	374	37.0	32.7
Percent	0.00%	0.80%	3.74%	21.66%	40.91%	24.33%	7.49%	0.80%	0.27%	0.00%	0.00%	0.00%	0.00%			

AM Peak		10:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM							11:00 AM
Volume	0	0	1	6	17	5	2	1	0	0	0	0	0	32

PM Peak	12:00 PM	2:00 PM	6:00 PM	5:00 PM	2:00 PM	3:00 PM	1:00 PM	6:00 PM						2:00 PM
Volume	0	1	3	12	28	16	5	1	1	0	0	0	0	56

15th Percentile:	28.0 MPH	Average Speed:	32.7 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	33.0 MPH	10 MPH Pace:	28 to 37 MPH	Number of Vehicles > 30 MPH:	248
85th Percentile:	37.0 MPH	Number in Pace:	269	Percent of Vehicles > 30 MPH:	66.3%
95th Percentile:	41.4 MPH	Percent in Pace:	71.9%		

#71 Flagg Road  
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DATA  
INDUSTRIES, LLC

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Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Tuesday, May, 04, 2021

Speed (60-minute)

Combined NB and SB

Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 AM	0	0	2	8	6	3	1	0	0	0	0	0	0	20	36.0	30.8
11:00 AM	0	0	3	17	24	8	2	1	0	0	0	0	0	55	36.9	31.3
12:00 PM	0	2	0	16	19	7	3	0	0	0	0	0	0	47	35.0	31.1
1:00 PM	0	0	0	14	23	9	4	1	0	0	0	0	0	51	36.0	32.7
2:00 PM	0	1	4	21	34	21	4	0	0	0	0	0	0	85	37.4	32.0
3:00 PM	0	0	8	15	24	22	5	1	0	0	0	0	0	75	37.9	32.3
4:00 PM	1	0	4	16	35	16	4	0	0	0	0	0	0	76	37.0	31.6
5:00 PM	0	1	4	20	43	12	4	0	0	0	0	0	0	84	36.0	31.7
6:00 PM	0	0	3	33	20	12	1	0	1	0	0	0	0	70	35.7	30.6
7:00 PM	0	0	5	13	21	12	2	0	0	0	0	0	0	53	36.0	31.3
8:00 PM	0	0	4	17	10	2	0	0	0	0	0	0	0	33	32.0	28.6
9:00 PM	0	0	0	4	5	3	2	0	0	0	0	0	0	14	37.2	32.5
10:00 PM	0	0	0	2	0	2	0	0	0	0	0	0	0	4	35.6	31.3
11:00 PM	0	0	0	4	1	0	0	0	0	0	0	0	0	5	29.8	28.2
Total	1	4	37	200	265	129	32	3	1	0	0	0	0	672	36.0	31.5
Percent	0.15%	0.60%	5.51%	29.76%	39.43%	19.20%	4.76%	0.45%	0.15%	0.00%	0.00%	0.00%	0.00%			

AM Peak			11:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM							11:00 AM
Volume	0	0	3	17	24	8	2	1	0	0	0	0	0	0	55

PM Peak	4:00 PM	12:00 PM	3:00 PM	6:00 PM	5:00 PM	3:00 PM	3:00 PM	1:00 PM	6:00 PM						2:00 PM
Volume	1	2	8	33	43	22	5	1	1	0	0	0	0	85	

15th Percentile:	27.0 MPH	Average Speed:	31.5 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	32.0 MPH	10 MPH Pace:	27 to 36 MPH	Number of Vehicles > 30 MPH:	375
85th Percentile:	36.0 MPH	Number in Pace:	480	Percent of Vehicles > 30 MPH:	55.8%
95th Percentile:	40.0 MPH	Percent in Pace:	71.4%		



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INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Wednesday, May 5, 2021

Speed (60-minute)

NB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	2	0	1	0	0	0	0	0	0	0	3	33.2	30.0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	27.0	27.0
5:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	35.0	35.0
6:00 AM	0	0	1	0	3	0	1	0	0	0	0	0	0	5	35.8	31.8
7:00 AM	1	4	2	5	16	4	0	0	0	0	0	0	0	32	33.4	28.5
8:00 AM	0	0	3	10	10	2	0	0	0	0	0	0	0	25	33.0	29.3
9:00 AM	0	0	4	4	11	1	0	0	0	0	0	0	0	20	33.0	29.4
10:00 AM	0	0	2	6	4	3	0	0	0	0	0	0	0	15	34.8	29.7
11:00 AM	0	0	1	8	8	6	0	0	0	0	0	0	0	23	35.7	30.5
12:00 PM	0	0	3	6	10	2	1	0	0	0	0	0	0	22	33.0	29.7
1:00 PM	0	1	1	9	17	3	4	0	0	0	0	0	0	35	36.8	31.5
2:00 PM	0	1	4	13	11	4	1	0	0	0	0	0	0	34	34.1	29.3
3:00 PM	0	1	7	11	9	2	1	0	0	0	0	0	0	31	33.5	28.3
4:00 PM	0	1	1	11	15	7	0	0	0	0	0	0	0	35	35.9	30.8
5:00 PM	2	1	5	16	12	3	0	0	0	0	0	0	0	39	33.0	27.7
6:00 PM	0	0	0	14	14	6	0	0	0	0	0	0	0	34	35.0	30.6
7:00 PM	0	0	2	6	7	2	0	0	0	0	0	0	0	17	34.0	30.2
8:00 PM	0	0	1	7	5	2	0	0	0	0	0	0	0	15	33.8	29.9
9:00 PM	0	0	0	3	2	1	0	0	0	0	0	0	0	6	33.0	29.5
10:00 PM	0	0	1	3	2	0	0	0	0	0	0	0	0	6	31.8	28.8
11:00 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	2	34.3	32.5
Total	3	9	38	135	157	51	8	0	0	0	0	0	0	401	34.0	29.7
Percent	0.75%	2.24%	9.48%	33.67%	39.15%	12.72%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	7:00 AM	7:00 AM	9:00 AM	8:00 AM	7:00 AM	11:00 AM	6:00 AM								7:00 AM
Volume	1	4	4	10	16	6	1	0	0	0	0	0	0	0	32
PM Peak	5:00 PM	1:00 PM	3:00 PM	5:00 PM	1:00 PM	4:00 PM	1:00 PM								5:00 PM
Volume	2	1	7	16	17	7	4	0	0	0	0	0	0	39	

15th Percentile:	25.0 MPH	Average Speed:	29.7 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	30.0 MPH	10 MPH Pace:	26 to 35 MPH	Number of Vehicles > 30 MPH:	186
85th Percentile:	34.0 MPH	Number in Pace:	293	Percent of Vehicles > 30 MPH:	46.4%
95th Percentile:	38.0 MPH	Percent in Pace:	73.1%		

#71 Flagg Road  
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PDI File #: 217917 ATR-A

Count Date  
Wednesday, May 5, 2021

Speed (60-minute)

Start Time:	SB													Total	85th %ile	Ave Speed	
	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+				
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	29.0	29.0	
2:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	34.0	34.0		
3:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	34.0	34.0		
4:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1	32.0	32.0		
5:00 AM	0	0	0	0	7	0	0	0	0	0	0	0	7	34.0	33.0		
6:00 AM	0	0	0	9	5	12	2	0	0	0	0	0	28	38.0	33.3		
7:00 AM	0	0	1	15	12	8	3	0	0	0	0	0	39	37.3	31.8		
8:00 AM	0	0	1	5	19	8	1	0	0	0	0	0	34	36.1	32.4		
9:00 AM	0	0	0	5	14	7	1	0	0	0	0	0	27	35.1	32.4		
10:00 AM	0	0	2	9	10	12	0	0	0	0	0	0	33	36.0	31.7		
11:00 AM	0	0	1	8	17	3	2	0	0	0	0	0	31	35.0	31.5		
12:00 PM	0	0	2	1	11	11	1	0	0	0	0	0	26	37.3	33.2		
1:00 PM	0	0	3	9	17	9	2	0	0	0	0	0	40	37.0	31.9		
2:00 PM	2	3	3	8	28	11	5	0	0	0	0	0	60	36.2	31.5		
3:00 PM	0	1	2	7	22	9	2	2	0	0	0	0	45	37.4	32.8		
4:00 PM	0	0	1	13	21	14	5	0	0	0	0	0	54	37.0	32.8		
5:00 PM	2	2	3	21	18	13	3	0	0	0	0	0	62	37.0	30.1		
6:00 PM	0	0	1	6	11	3	1	0	0	0	0	0	22	36.6	31.6		
7:00 PM	0	0	0	6	9	4	3	0	0	0	0	0	22	38.0	33.0		
8:00 PM	0	1	2	1	5	2	0	0	0	0	0	0	11	35.0	29.7		
9:00 PM	0	0	0	0	1	1	0	0	0	0	0	0	2	36.8	34.0		
10:00 PM	0	0	1	2	0	1	0	0	0	0	0	0	4	32.9	28.0		
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		
Total	4	7	23	126	230	128	31	2	0	0	0	0	551	37.0	31.9		
Percent	0.73%	1.27%	4.17%	22.87%	41.74%	23.23%	5.63%	0.36%	0.00%	0.00%	0.00%	0.00%					

AM Peak	10:00 AM	7:00 AM	8:00 AM	6:00 AM	7:00 AM	7:00 AM								
Volume	0	0	2	15	19	12	3	0	0	0	0	0	0	39
PM Peak	2:00 PM	2:00 PM	1:00 PM	5:00 PM	2:00 PM	4:00 PM	2:00 PM	3:00 PM	5:00 PM					
Volume	2	3	3	21	28	14	5	2	0	0	0	0	0	62

15th Percentile:	27.0 MPH	Average Speed:	31.9 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	32.0 MPH	10 MPH Pace:	28 to 37 MPH	Number of Vehicles > 30 MPH:	348
85th Percentile:	37.0 MPH	Number in Pace:	399	Percent of Vehicles > 30 MPH:	63.2%
95th Percentile:	40.0 MPH	Percent in Pace:	72.4%		

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Count Date  
Wednesday, May 5, 2021

Speed (60-minute)

Combined NB and SB

Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	2	0	1	0	0	0	0	0	0	0	3	33.2	30.0
1:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	29.0	29.0
2:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	34.0	34.0
3:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	34.0	34.0
4:00 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	2	31.3	29.5
5:00 AM	0	0	0	0	7	1	0	0	0	0	0	0	0	8	34.0	33.3
6:00 AM	0	0	1	9	8	12	3	0	0	0	0	0	0	33	38.2	33.0
7:00 AM	1	4	3	20	28	12	3	0	0	0	0	0	0	71	35.0	30.3
8:00 AM	0	0	4	15	29	10	1	0	0	0	0	0	0	59	35.0	31.1
9:00 AM	0	0	4	9	25	8	1	0	0	0	0	0	0	47	35.0	31.1
10:00 AM	0	0	4	15	14	15	0	0	0	0	0	0	0	48	36.0	31.1
11:00 AM	0	0	2	16	25	9	2	0	0	0	0	0	0	54	36.0	31.1
12:00 PM	0	0	5	7	21	13	2	0	0	0	0	0	0	48	36.0	31.6
1:00 PM	0	1	4	18	34	12	6	0	0	0	0	0	0	75	37.0	31.7
2:00 PM	2	4	7	21	39	15	6	0	0	0	0	0	0	94	36.0	30.7
3:00 PM	0	2	9	18	31	11	3	2	0	0	0	0	0	76	35.8	30.9
4:00 PM	0	1	2	24	36	21	5	0	0	0	0	0	0	89	36.8	32.0
5:00 PM	4	3	8	37	30	16	3	0	0	0	0	0	0	101	35.0	29.2
6:00 PM	0	0	1	20	25	9	1	0	0	0	0	0	0	56	35.0	31.0
7:00 PM	0	0	2	12	16	6	3	0	0	0	0	0	0	39	38.0	31.8
8:00 PM	0	1	3	8	10	4	0	0	0	0	0	0	0	26	34.5	29.8
9:00 PM	0	0	0	3	3	2	0	0	0	0	0	0	0	8	35.8	30.6
10:00 PM	0	0	2	5	2	1	0	0	0	0	0	0	0	10	33.0	28.5
11:00 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	2	34.3	32.5
Total	7	16	61	261	387	179	39	2	0	0	0	0	0	952	36.0	31.0
Percent	0.74%	1.68%	6.41%	27.42%	40.65%	18.80%	4.10%	0.21%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	7:00 AM	7:00 AM	8:00 AM	7:00 AM	8:00 AM	10:00 AM	6:00 AM							7:00 AM
Volume	1	4	4	20	29	15	3	0	0	0	0	0	0	71
PM Peak	5:00 PM	2:00 PM	3:00 PM	5:00 PM	2:00 PM	4:00 PM	1:00 PM	3:00 PM						5:00 PM
Volume	4	4	9	37	39	21	6	2	0	0	0	0	0	101

15th Percentile:	26.0 MPH	Average Speed:	31.0 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	31.0 MPH	10 MPH Pace:	26 to 35 MPH	Number of Vehicles > 30 MPH:	534
85th Percentile:	36.0 MPH	Number in Pace:	670	Percent of Vehicles > 30 MPH:	56.1%
95th Percentile:	39.0 MPH	Percent in Pace:	70.4%		

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
DATA  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

Speed (60-minute)

NB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34.1	32.3
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	31.0	31.0
6:00 AM	0	0	1	4	2	2	0	0	0	0	0	0	0	9	35.2	29.9
7:00 AM	0	2	5	11	16	2	0	0	0	0	0	0	0	36	32.8	29.0
8:00 AM	0	0	4	3	14	2	0	0	0	0	0	0	0	23	32.7	29.7
9:00 AM	0	0	0	8	8	2	0	0	0	0	0	0	0	18	32.5	30.2
10:00 AM	0	0	1	7	6	4	0	0	0	0	0	0	0	18	35.0	30.6
11:00 AM	0	0	3	9	6	1	0	0	0	0	0	0	0	19	31.3	28.4
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Total	0	2	14	42	55	14	0	0	0	0	0	0	0	127	33.1	29.6
Percent	0.00%	1.57%	11.02%	33.07%	43.31%	11.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	7:00 AM	7:00 AM	7:00 AM	7:00 AM	10:00 AM									7:00 AM
Volume	0	2	5	11	16	4	0	0	0	0	0	0	0	36

PM Peak														
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0

15th Percentile:	25.9 MPH	Average Speed:	29.6 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	30.0 MPH	10 MPH Pace:	26 to 35 MPH	Number of Vehicles > 30 MPH:	57
85th Percentile:	33.1 MPH	Number in Pace:	99	Percent of Vehicles > 30 MPH:	44.9%
95th Percentile:	36.0 MPH	Percent in Pace:	78.0%		

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



PRECISION  
DATA  
INDUSTRIES, LLC

157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

Speed (60-minute)

SB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	32.0	32.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	36.0	36.0
4:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	27.0	27.0
5:00 AM	0	0	0	2	6	2	0	0	0	0	0	0	0	10	34.7	32.8
6:00 AM	0	0	0	9	13	6	2	0	0	0	0	0	0	30	37.3	32.7
7:00 AM	0	0	6	11	12	9	2	1	0	0	0	0	0	41	37.0	31.5
8:00 AM	1	0	1	8	10	4	0	0	0	0	0	0	0	24	34.7	29.8
9:00 AM	0	0	0	8	14	6	4	0	0	0	0	0	0	32	38.0	33.1
10:00 AM	0	0	0	1	12	9	4	0	0	0	0	0	0	26	39.3	35.1
11:00 AM	0	1	1	5	7	6	1	0	0	0	0	0	0	21	36.0	30.9
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
<b>Total</b>	<b>1</b>	<b>1</b>	<b>8</b>	<b>45</b>	<b>75</b>	<b>43</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>187</b>	<b>37.0</b>	<b>32.3</b>
<b>Percent</b>	<b>0.53%</b>	<b>0.53%</b>	<b>4.28%</b>	<b>24.06%</b>	<b>40.11%</b>	<b>22.99%</b>	<b>6.95%</b>	<b>0.53%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>			

AM Peak	8:00 AM	11:00 AM	7:00 AM	7:00 AM	9:00 AM	7:00 AM	9:00 AM	7:00 AM								7:00 AM
Volume	1	1	6	11	14	9	4	1	0	0	0	0	0	0	41	

PM Peak															
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

15th Percentile:	27.0 MPH	Average Speed:	32.3 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	33.0 MPH	10 MPH Pace:	27 to 36 MPH	Number of Vehicles > 30 MPH:	123
85th Percentile:	37.0 MPH	Number in Pace:	136	Percent of Vehicles > 30 MPH:	65.8%
95th Percentile:	40.0 MPH	Percent in Pace:	72.7%		

#71 Flagg Road  
north of Route 9  
City, State: Southborough, MA  
Client: VHB/ G. Russell  
Site Code: 00000



157 Washington Street, Suite 2  
Hudson, MA 01749  
Office: 508-875-0100 Fax: 508-875-0118

PDI File #: 217917 ATR-A

Count Date  
Thursday, May 6, 2021

**Speed (60-minute)**

**Combined NB and SB**

Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	2	1	0	0	0	0	0	0	0	3	34.1	32.3
1:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	1	32.0	32.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	1	36.0	36.0
4:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	27.0	27.0
5:00 AM	0	0	0	2	7	2	0	0	0	0	0	0	0	11	34.5	32.6
6:00 AM	0	0	1	13	15	8	2	0	0	0	0	0	0	39	36.3	32.1
7:00 AM	0	2	11	22	28	11	2	1	0	0	0	0	0	77	35.0	30.4
8:00 AM	1	0	5	11	24	6	0	0	0	0	0	0	0	47	33.1	29.7
9:00 AM	0	0	0	16	22	8	4	0	0	0	0	0	0	50	36.0	32.0
10:00 AM	0	0	1	8	18	13	4	0	0	0	0	0	0	44	37.0	33.3
11:00 AM	0	1	4	14	13	7	1	0	0	0	0	0	0	40	36.0	29.7
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
<b>Total</b>	<b>1</b>	<b>3</b>	<b>22</b>	<b>87</b>	<b>130</b>	<b>57</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>314</b>	<b>36.0</b>	<b>31.2</b>
<b>Percent</b>	<b>0.32%</b>	<b>0.96%</b>	<b>7.01%</b>	<b>27.71%</b>	<b>41.40%</b>	<b>18.15%</b>	<b>4.14%</b>	<b>0.32%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>			

AM Peak	8:00 AM	7:00 AM	7:00 AM	7:00 AM	7:00 AM	10:00 AM	9:00 AM	7:00 AM								7:00 AM
Volume	1	2	11	22	28	13	4	1	0	0	0	0	0	0	77	
PM Peak																
Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

15th Percentile:	26.0 MPH	Average Speed:	31.2 MPH	Posted Speed Limit:	30 MPH
50th Percentile:	31.0 MPH	10 MPH Pace:	27 to 36 MPH	Number of Vehicles > 30 MPH:	180
85th Percentile:	36.0 MPH	Number in Pace:	230	Percent of Vehicles > 30 MPH:	57.3%
95th Percentile:	39.0 MPH	Percent in Pace:	73.2%		

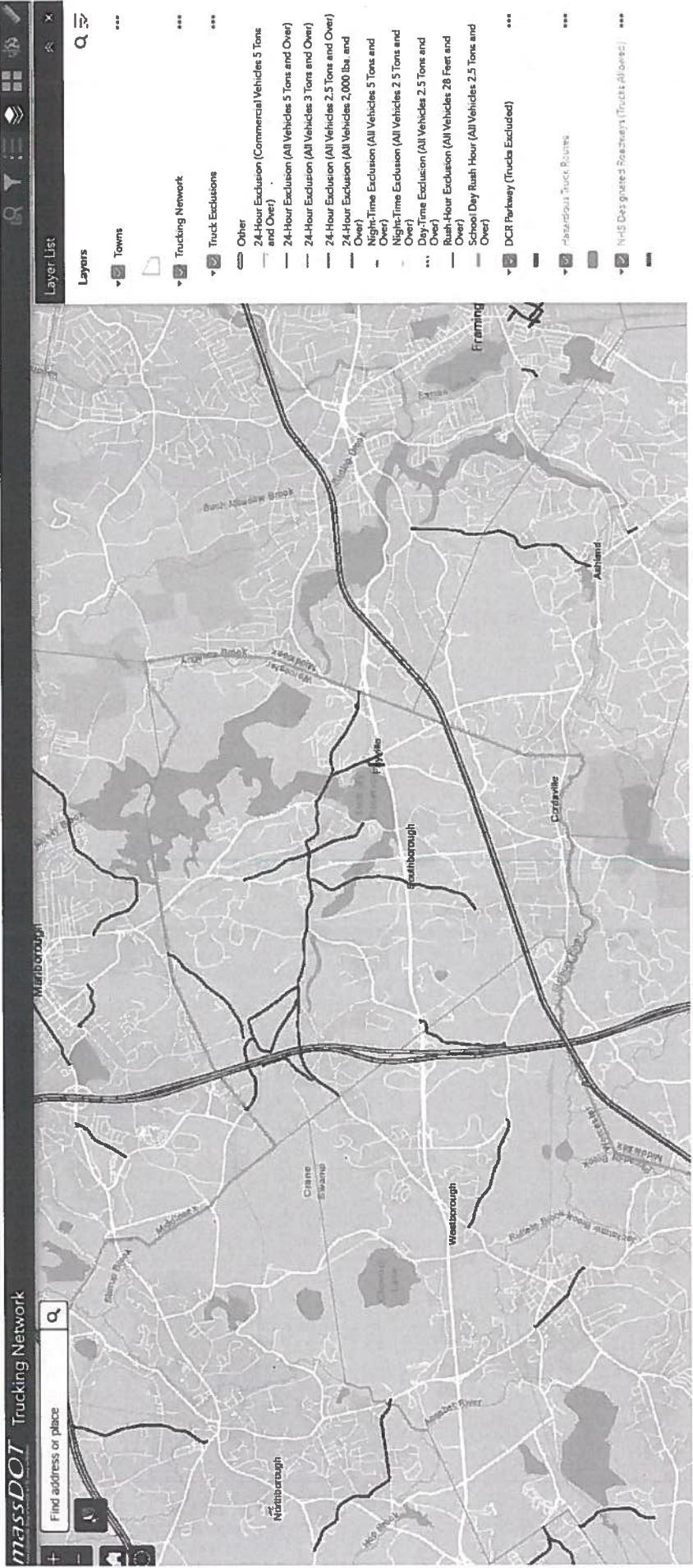


Find address or place

Layer List

- Towns
- Trucking Network
- Truck Exclusions
  - Other
  - 24-Hour Exclusion (Commercial Vehicles 5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 3 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 2.5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 2,000 lbs. and Over)
  - Night-Time Exclusion (All Vehicles 5 Tons and Over)
  - Night-Time Exclusion (All Vehicles 2.5 Tons and Over)
  - Day-Time Exclusion (All Vehicles 2.5 Tons and Over)
  - 2000-Hour Exclusion (All Vehicles 28 Feet and Over)
  - 2000-Hour Exclusion (All Vehicles 2.5 Tons and Over)
  - School Day Rush Hour (All Vehicles 2.5 Tons and Over)
  - DCR Parkway (Trucks Excluded)
  - Hazardous Truck Routes
  - NHS Designated Routes (Trucks Allowed)





massDOT Trucking Network

Find address or place

Layer List

Layers

- Towns
- Trucking Network
- Truck Exclusions
  - 24-Hour Exclusion (Commercial Vehicles 5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 3 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 2.5 Tons and Over)
  - 24-Hour Exclusion (All Vehicles 2,000 lbs. and Over)
  - Night-Time Exclusion (All Vehicles 5 Tons and Over)
  - Night-Time Exclusion (All Vehicles 2.5 Tons and Over)
  - Day-Time Exclusion (All Vehicles 2.5 Tons and Over)
  - Rush-Hour Exclusion (All Vehicles 28 Feet and Over)
  - School Day Rush Hour (All Vehicles 2.5 Tons and Over)
  - DCR Parkway (Trucks Excluded)
  - Hazardous Truck Routes
  - NYS Designated Roadways (Trucks Allowed)

- (2) After the speed zones, proposed by the local authorities, are reviewed by the Department, they are returned to the municipality for formal adoption by the rule-making body. During this time, the municipality is responsible for any and all hearings required for adoption.
- (3) Upon receipt of notice of formal adoption by the municipality, the Department, acting jointly with the Registry, will certify and approve.
- (4) Certified regulation is returned to municipality.
- (5) Official Speed Limit signs may then be installed in accordance with the specific provisions of the approved speed regulation.
- (6) The Special Speed Regulation is then enforceable against violators.

### **Section 10A-9 Heavy Commercial Vehicle Exclusion**

A truck exclusion from a municipal way may be authorized provided a suitable alternate route is available. The alternate route shall have an effective width and pavement structure which can safely accommodate the additional truck traffic. In addition the alternate route must meet one of the following conditions:

- (1) Lie wholly within the community making application,
- (2) Lie partially in an adjacent community but only on State Highway, or
- (3) Lie partially in an adjacent community but have the adjacent community's written approval.

Numbered routes are ineligible for heavy commercial vehicle exclusions, per Board of Commissioners, November 22, 1995.

An engineering study, as outlined in the Data requested below, must be made. In addition, one or more of the following may be sufficient justification for truck exclusion:

#### **1. Warrants**

- A. A volume of heavy commercial vehicles, which usually is in the range of five (5) to eight (8) percent, reduces the utilization of the facility and is cause for a substantial reduction in capacity or safety.
- B. The condition of the pavement structure of the route to be excluded indicates that further repeated heavy wheel loads will result in severe deterioration of the roadway. (subject to Department review)
- C. Notwithstanding the foregoing, in certain instances where land use is primarily residential in nature and a municipality has requested exclusion only during hours of darkness, a specific night exclusion may be granted.



## 2. Data

Before the Department can consider an exclusion proposal, the following data must be submitted by the municipality:

- A. A twenty-four hour consecutive count of all vehicles using the subject street. (If the exclusion is requested for only twelve hours, a twelve-hour count will suffice.) The count shall be broken into one-half hour intervals showing:
  - (1) Commercial vehicles with a carrying capacity over 2½ tons
  - (2) Other vehicles
- B. Map of the area, with the excluded street marked in red, the alternate route in green.
- C. Physical characteristics of excluded and alternate streets in question, i.e, length, width, type and condition of surface and sidewalk.
- D. Types of buildings or property abutting street (Residential, Business, School, Playground, etc).
- E. Zoning of Street (Residential, Industrial, etc.).
- F. Proximity of probable alternate route to the proposed excluded route and the additional distance to be traveled using the alternate route.
- G. Types of traffic control existing on street.
- H. Hours during which exclusion is to be in effect.
- I. A written statement from the municipality as to the need for the exclusion, and acknowledgement of acceptance of the responsibility for installation and maintenance of appropriate signage.

**EXEMPTIONS:** Exclusions shall not apply to heavy commercial vehicles going to or coming from places upon said streets for the purpose of making deliveries of goods, materials, or merchandise to or similar collections from abutting land or buildings or adjacent streets or ways to which access cannot otherwise be gained; or to vehicles used in connection with the construction, maintenance and repair of said streets or public utilities therein; or to Federal, State, Municipal or public service corporation owned vehicles.

# THE TOWN OF SOUTHBOROUGH



## BOARD OF SELECTMEN

Town House: 17 Common Street, Southborough, MA 01772-1662  
Tel: 508-453-0710 Fax: 508-459-0151 Email: selectmen@southboroughma.com

**RECEIVED**

JUL 03 2007

SOUTHBOROUGH  
DPW

June 29, 2007

Mass Highway  
Charles Mistretta, Acting District Highway Director  
403 Belmont St.  
Worcester, Ma. 01604

Dear Mr. Mistretta,

On Tuesday June 26, 2007 the Southborough Board of Selectmen voted to petition Mass Highway to request a truck exclusion on Latisquama Road and White Bagley Road for commercial vehicles having a carrying capacity of more than 2 ½ tons. The Board believes that these roadways meet the warrant for an exclusion (restricted by reason on inadequate structure) for the following reasons:

- o Both roadways are old country roads and not structurally built to handle truck traffic. Generally the road widths are from 18ft 6 inches to 24 feet with most of the road width 22 feet or under.
- o Neither road has a sidewalk the full length of the roadway. A golf course, owned by St. Mark's school for their students, is located on Latisquama Road. Students must walk in the roadway to access this golf course.
- o Latisquama Road has an "s" curve as well as a vertical curve on its short roadway.
- o The northerly end of Latisquama Road intersects a truck excluded roadway (School Street and Main Street).

Truck traffic is either entering both these roads from Route 9, or to access Route 9. Therefore, the proposed alternate route, (Route 85 which is only a short distance further west on Route 9), would not be an inconvenience for any through truck traffic.

The Town believes that both these roadways meet the inadequate structure criteria for a truck exclusion due to the design of the roadway width as well as the pavement structure deficiency. Both roadways need an exclusion. To grant only one will then divert all the truck traffic to the other roadway.

Enclosed please find the truck traffic counts for Latisquama Road, as well as a map denoting the location of both roadways, the current truck restrictions intersecting Latisquama, the school golf range, as well as the proposed alternate route. Please contact Police Chief William Webber at 508 485-2147 and DPW Superintendent Karen Galligan at 508 845-1210 so that they may assist you with your onsite survey.

Sincerely



Jean E. Kitchen  
Town Administrator

Cc: Chief Webber, DPW Superintendent Karen Galligan, Tom McCarthy

---





Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

Latisquma Rd. Southborough, Mass.

Direction 2

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/03/07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3
06:00	1	7	1	1	0	0	0	0	0	0	0	0	0	1	11
07:00	2	31	1	0	0	0	0	0	0	0	0	0	0	2	36
08:00	2	45	0	1	2	0	0	0	0	0	0	0	0	3	53
09:00	1	34	2	0	0	1	0	0	0	0	0	0	0	2	40
10:00	1	15	0	0	0	0	0	0	0	0	0	0	0	2	18
11:00	1	18	1	0	0	0	0	0	0	0	0	0	0	2	22
12 PM	5	24	3	0	2	0	0	0	0	0	0	0	0	4	38
13:00	1	30	7	0	0	0	0	0	0	0	0	0	0	3	41
14:00	0	14	3	1	2	0	0	0	0	0	0	0	0	4	24
15:00	0	25	7	2	0	1	0	0	0	0	0	0	0	6	41
16:00	1	30	2	0	0	1	0	0	0	0	0	0	0	2	36
17:00	2	49	3	0	0	0	0	0	0	0	0	0	0	1	55
18:00	1	40	5	1	1	0	0	0	1	0	0	0	0	4	53
19:00	0	28	1	0	0	0	0	0	0	0	0	0	0	2	31
20:00	0	17	0	0	0	0	0	0	0	0	0	0	0	1	18
21:00	1	6	0	0	0	0	0	0	0	0	0	0	0	0	7
22:00	0	5	1	0	0	0	0	0	0	0	0	0	0	1	7
23:00	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>Total</b>	<b>20</b>	<b>428</b>	<b>37</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>544</b>
<b>Percent</b>	<b>3.7%</b>	<b>78.7%</b>	<b>6.8%</b>	<b>1.1%</b>	<b>1.3%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.7%</b>	
<b>AM Peak</b>	<b>07:00</b>	<b>08:00</b>	<b>09:00</b>	<b>06:00</b>	<b>08:00</b>	<b>09:00</b>								<b>08:00</b>	<b>08:00</b>
<b>Vol.</b>	<b>2</b>	<b>45</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>								<b>3</b>	<b>53</b>
<b>PM Peak</b>	<b>12:00</b>	<b>17:00</b>	<b>13:00</b>	<b>15:00</b>	<b>12:00</b>	<b>15:00</b>			<b>18:00</b>					<b>15:00</b>	<b>17:00</b>
<b>Vol.</b>	<b>5</b>	<b>49</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>1</b>			<b>1</b>					<b>6</b>	<b>55</b>





Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

Latisquma Rd. Southborough, Mass.

Direction 2

Latitude: 0° 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/06/07	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	7	0	0	0	0	0	0	0	0	0	0	0	0	7
08:00	1	12	1	0	0	0	0	0	0	0	0	0	0	2	16
09:00	0	17	0	0	0	1	0	0	0	0	0	0	0	2	20
10:00	0	20	1	0	0	0	0	0	0	0	0	0	0	1	22
11:00	0	22	0	0	0	0	0	0	0	0	0	0	0	4	26
12 PM	1	18	0	0	0	0	0	0	0	0	0	0	0	1	20
13:00	1	21	1	0	0	0	0	0	0	0	0	0	0	2	25
14:00	1	25	2	0	1	0	0	0	0	0	0	0	0	5	34
15:00	1	26	0	0	0	0	0	0	0	0	0	0	0	0	27
16:00	0	22	0	0	0	0	0	0	0	0	0	0	0	1	23
17:00	0	21	2	0	0	0	0	0	0	0	0	0	0	1	24
18:00	0	16	0	0	0	0	0	0	0	0	0	0	0	0	16
19:00	0	21	2	0	0	0	0	0	0	0	0	0	0	3	28
20:00	1	23	0	0	0	0	0	0	0	0	0	0	0	2	26
21:00	0	9	0	0	0	0	0	0	0	0	0	0	0	1	10
22:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>6</b>	<b>291</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>334</b>
<b>Percent</b>	<b>1.8%</b>	<b>87.1%</b>	<b>2.7%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.8%</b>	
<b>AM Peak</b>	<b>08:00</b>	<b>11:00</b>	<b>08:00</b>			<b>09:00</b>									
<b>Vol.</b>	<b>1</b>	<b>22</b>	<b>1</b>			<b>1</b>								<b>11:00</b>	<b>11:00</b>
<b>PM Peak</b>	<b>12:00</b>	<b>15:00</b>	<b>14:00</b>			<b>14:00</b>								<b>4</b>	<b>26</b>
<b>Vol.</b>	<b>1</b>	<b>26</b>	<b>2</b>			<b>1</b>								<b>14:00</b>	<b>14:00</b>
														<b>5</b>	<b>34</b>

Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

Latisquma Rd. Southborough, Mass.

Direction 2

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/07/07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
07:00	1	24	4	1	0	0	0	0	0	0	0	0	0	2	32
08:00	1	40	1	1	0	0	0	0	0	0	0	0	0	3	46
09:00	0	35	3	0	0	0	0	0	0	0	0	0	0	3	41
10:00	0	15	0	0	0	0	0	0	0	0	0	0	0	2	17
11:00	3	18	2	0	1	0	0	0	0	0	0	0	0	2	26
12 PM	0	27	1	0	1	0	0	0	0	0	0	0	0	6	35
13:00	0	24	4	0	0	0	0	0	0	0	0	0	0	8	36
14:00	1	19	1	1	0	1	0	1	0	0	0	0	0	2	26
15:00	0	36	1	1	0	1	0	0	0	0	0	0	0	5	44
16:00	0	28	2	0	0	0	0	0	0	0	0	0	0	2	32
17:00	2	34	4	0	0	0	0	0	0	0	0	0	0	2	42
18:00	3	34	1	0	0	0	0	0	0	0	0	0	0	4	42
19:00	1	26	0	0	0	0	0	0	0	0	0	0	0	3	30
20:00	0	27	0	0	0	0	0	0	0	0	0	0	0	2	29
21:00	1	13	0	0	0	0	0	0	0	0	0	0	0	2	16
22:00	0	10	0	0	0	0	0	0	0	0	0	0	0	1	11
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>13</b>	<b>419</b>	<b>25</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>516</b>
<b>Percent</b>	<b>2.5%</b>	<b>81.2%</b>	<b>4.8%</b>	<b>0.8%</b>	<b>0.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>9.7%</b>	
<b>AM Peak</b>	<b>11:00</b>	<b>08:00</b>	<b>07:00</b>	<b>07:00</b>	<b>11:00</b>									<b>08:00</b>	<b>08:00</b>
<b>Vol.</b>	<b>3</b>	<b>40</b>	<b>4</b>	<b>1</b>	<b>1</b>									<b>3</b>	<b>46</b>
<b>PM Peak</b>	<b>18:00</b>	<b>15:00</b>	<b>13:00</b>	<b>14:00</b>	<b>12:00</b>	<b>14:00</b>		<b>14:00</b>						<b>13:00</b>	<b>15:00</b>
<b>Vol.</b>	<b>3</b>	<b>36</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>						<b>8</b>	<b>44</b>

Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

Latisquma Rd. Southborough, Mass.

Direction 2

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/08/07	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	1	4
07:00	1	28	1	1	0	0	0	0	0	0	0	0	0	3	34
08:00	0	41	0	1	0	0	0	0	0	0	0	0	0	3	45
09:00	1	39	0	0	1	0	0	0	0	0	0	0	0	4	45
10:00	0	19	1	0	0	0	0	0	0	0	0	0	0	1	21
11:00	0	19	2	0	0	0	0	0	0	0	0	0	0	1	22
12 PM	1	17	4	0	0	0	0	0	0	0	0	0	0	3	25
13:00	0	27	2	0	0	0	0	0	0	0	0	0	0	3	32
14:00	0	30	3	1	1	1	0	0	0	0	0	0	0	4	40
15:00	2	28	5	2	1	0	0	1	0	0	0	0	0	6	45
16:00	2	40	2	0	0	0	0	0	0	0	0	0	0	1	45
17:00	1	36	1	0	0	0	0	0	0	0	0	0	0	1	39
18:00	0	48	0	0	0	0	0	0	0	0	0	0	0	0	48
19:00	1	38	1	0	0	0	0	0	0	0	0	0	0	3	43
20:00	0	13	0	0	0	0	0	0	0	0	0	0	0	1	14
21:00	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
22:00	0	10	0	0	0	0	0	0	0	0	0	0	0	1	11
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	9	456	22	5	3	1	0	1	0	0	0	0	0	37	534
Percent	1.7%	85.4%	4.1%	0.9%	0.6%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	6.9%	
AM Peak	07:00	08:00	11:00	07:00	09:00									09:00	08:00
Vol.	1	41	2	1	1									4	45
PM Peak	15:00	18:00	15:00	15:00	14:00	14:00		15:00						15:00	18:00
Vol.	2	48	5	2	1	1		1						6	48





**Northborough Police Department**  
**211 Main Street**  
**Northborough, Mass 01532**  
**508-393-1515**

Latisquma Rd. Southborough, Mass.  
 Untitled Axle Classifica  
 Latisquma Rd. Southborough, Mass.

Away from Main St.

**Direction 1**

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/02/07	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
01:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
03:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
04:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
05:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
06:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
07:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
08:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
09:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 PM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13:00	0	21	3	0	0	0	0	0	0	0	0	0	0	2	26
14:00	0	27	6	1	0	0	0	0	0	0	0	0	0	6	40
15:00	0	30	5	0	2	0	0	0	0	0	0	0	0	2	39
16:00	1	34	3	0	0	0	0	0	0	0	0	0	0	4	42
17:00	0	38	4	0	0	0	0	0	0	0	0	0	0	3	45
18:00	0	42	0	0	0	0	0	0	0	0	0	0	0	4	46
19:00	1	26	1	0	0	0	0	0	0	0	0	0	0	0	28
20:00	0	23	3	0	0	0	0	0	0	0	0	0	0	0	26
21:00	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
22:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>259</b>	<b>26</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>311</b>
<b>Percent</b>	<b>0.6%</b>	<b>83.3%</b>	<b>8.4%</b>	<b>0.3%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.8%</b>	

AM Peak Vol.	16:00	18:00	14:00	14:00	15:00	14:00	18:00
PM Peak Vol.	1	42	6	1	2	6	46

Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

Latisquma Rd. Southborough, Mass.

Direction 1

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/03/07	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
06:00	0	7	0	1	1	0	0	0	0	0	0	0	0	0	9
07:00	1	32	3	0	0	0	0	0	0	0	0	0	0	1	37
08:00	0	66	7	0	1	1	0	0	0	0	0	0	0	4	79
09:00	0	34	6	0	0	0	0	0	0	0	0	0	0	4	44
10:00	0	15	0	0	0	0	0	0	0	0	0	0	0	2	17
11:00	0	23	1	0	1	0	0	0	0	0	0	0	0	3	28
12 PM	0	38	4	0	4	0	0	0	0	0	0	0	0	2	48
13:00	0	26	4	0	1	0	0	1	0	0	0	0	0	7	39
14:00	1	28	3	1	1	0	0	0	0	0	0	0	0	5	39
15:00	0	27	2	0	0	0	0	0	0	0	0	0	0	10	39
16:00	1	34	3	0	2	0	0	0	0	0	0	0	0	3	43
17:00	0	45	4	0	1	0	0	0	0	0	0	0	0	1	51
18:00	1	38	1	1	0	0	0	0	0	0	0	0	0	4	45
19:00	0	25	1	0	0	0	0	0	0	0	0	0	0	2	28
20:00	0	8	2	0	0	0	0	0	0	0	0	0	0	0	10
21:00	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
23:00	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	5	460	42	3	12	1	0	1	0	0	0	0	0	50	574
Percent	0.9%	80.1%	7.3%	0.5%	2.1%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	8.7%	
AM Peak	07:00	08:00	08:00	08:00	08:00	08:00								08:00	08:00
Vol.	1	66	7	1	1	1								4	79
PM Peak	14:00	17:00	12:00	14:00	12:00			13:00						15:00	17:00
Vol.	1	45	4	1	4			1						10	51



Northborough Police Department

211 Main Street  
 Northborough, Mass 01532  
 508-393-1515

Latisquma Rd. Southborough, Mass.  
 Untitled Axle Classifica  
 Latisquma Rd. Southborough, Mass.

Direction 1

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/05/07	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3
06:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
07:00	2	5	0	0	0	0	0	0	0	0	0	0	0	7	8
08:00	0	13	1	0	0	0	0	0	0	0	0	0	0	2	16
09:00	0	20	3	0	0	0	0	0	0	0	0	0	0	3	26
10:00	0	26	4	0	1	0	0	0	0	0	0	0	0	3	34
11:00	2	25	1	0	0	0	0	0	0	0	0	0	0	1	29
12 PM	0	31	2	1	0	0	0	0	0	0	0	0	0	4	38
13:00	0	38	2	0	0	0	0	0	0	0	0	0	0	1	41
14:00	0	25	1	1	0	0	0	0	0	0	0	0	0	4	31
15:00	0	32	1	0	0	0	0	0	0	0	0	0	0	3	36
16:00	0	22	2	0	0	0	0	0	0	0	0	0	0	3	27
17:00	0	29	2	0	1	0	0	0	0	0	0	0	0	2	34
18:00	1	21	2	2	0	0	0	0	0	0	0	0	0	7	33
19:00	0	23	0	0	0	0	0	0	0	0	0	0	0	1	24
20:00	1	18	3	0	0	0	0	0	0	0	0	0	0	0	22
21:00	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6
22:00	0	13	0	0	0	0	0	0	0	0	0	0	0	3	16
23:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
<b>Total</b>	<b>8</b>	<b>357</b>	<b>25</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>436</b>
<b>Percent</b>	<b>1.8%</b>	<b>81.9%</b>	<b>5.7%</b>	<b>0.9%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>9.2%</b>	
<b>AM Peak</b>	<b>07:00</b>	<b>10:00</b>	<b>10:00</b>		<b>10:00</b>									<b>09:00</b>	<b>10:00</b>
<b>Vol.</b>	<b>2</b>	<b>26</b>	<b>4</b>		<b>1</b>									<b>3</b>	<b>34</b>
<b>PM Peak</b>	<b>18:00</b>	<b>13:00</b>	<b>20:00</b>	<b>18:00</b>	<b>17:00</b>									<b>18:00</b>	<b>13:00</b>
<b>Vol.</b>	<b>1</b>	<b>38</b>	<b>3</b>	<b>2</b>	<b>1</b>									<b>7</b>	<b>41</b>

**Northborough Police Department**  
**211 Main Street**  
**Northborough, Mass 01532**  
**508-393-1515**

Latisquma Rd. Southborough, Mass.  
 Untitled Axle Classifica  
 Latisquma Rd. Southborough, Mass.

**Direction 1**

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/06/07	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
06:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
07:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:00	0	16	1	0	0	0	0	0	0	0	0	0	0	1	18
09:00	0	14	1	0	1	0	0	0	0	0	0	0	0	1	17
10:00	0	13	0	0	0	0	0	0	0	0	0	0	0	2	15
11:00	0	22	0	0	0	0	0	0	0	0	0	0	0	5	27
12 PM	0	20	0	0	0	0	0	0	0	0	0	0	0	1	21
13:00	0	25	0	0	1	0	0	0	0	0	0	0	0	2	28
14:00	0	26	2	0	0	0	0	0	0	0	0	0	0	2	30
15:00	0	22	1	0	1	0	0	0	0	0	0	0	0	1	25
16:00	0	12	2	0	0	0	0	0	0	0	0	0	0	2	16
17:00	1	9	1	0	0	0	0	0	0	0	0	0	0	3	14
18:00	0	21	0	0	0	0	0	0	0	0	0	0	0	0	21
19:00	0	14	2	0	0	0	0	0	0	0	0	0	0	2	18
20:00	1	13	2	0	0	0	0	0	0	0	0	0	0	0	16
21:00	0	9	0	0	1	0	0	0	0	0	0	0	0	1	11
22:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>253</b>	<b>14</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>296</b>
<b>Percent</b>	<b>0.7%</b>	<b>85.5%</b>	<b>4.7%</b>	<b>0.0%</b>	<b>1.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.8%</b>	
<b>AM Peak Vol.</b>		<b>11:00</b>	<b>03:00</b>		<b>09:00</b>									<b>11:00</b>	<b>11:00</b>
<b>PM Peak Vol.</b>	<b>17:00</b>	<b>14:00</b>	<b>14:00</b>		<b>13:00</b>									<b>17:00</b>	<b>14:00</b>
	<b>1</b>	<b>26</b>	<b>2</b>		<b>1</b>									<b>3</b>	<b>30</b>

Northborough Police Department

211 Main Street  
 Northborough, Mass 01532  
 508-393-1515

Latisquma Rd. Southborough, Mass.  
 Untitled Axle Classifica  
 Latisquma Rd. Southborough, Mass.

Direction 1

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/07/07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
07:00	0	34	0	2	0	0	0	0	0	0	0	0	0	2	38
08:00	2	69	3	0	1	0	0	0	0	0	0	0	0	4	79
09:00	1	43	6	0	0	0	0	0	0	0	0	0	0	4	54
10:00	1	17	2	0	1	0	0	0	0	0	0	0	0	1	22
11:00	0	18	1	1	0	0	0	0	0	0	0	0	0	1	21
12 PM	0	22	3	0	4	0	0	0	0	0	0	0	0	4	33
13:00	1	21	3	0	1	0	0	0	0	0	0	0	0	3	29
14:00	0	26	2	1	0	0	0	0	0	0	0	0	0	3	32
15:00	0	30	2	0	0	0	0	0	0	0	0	0	0	2	34
16:00	0	36	1	0	1	0	0	0	0	0	0	0	0	2	40
17:00	0	33	4	0	1	0	0	0	0	0	0	0	0	4	42
18:00	0	37	2	1	0	0	0	0	0	0	0	0	0	4	44
19:00	0	23	1	0	0	0	0	0	0	0	0	0	0	3	27
20:00	0	17	0	0	0	0	0	0	0	0	0	0	0	1	18
21:00	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
22:00	0	7	0	0	0	0	0	0	0	0	0	0	0	1	8
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>5</b>	<b>455</b>	<b>30</b>	<b>5</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>543</b>
<b>Percent</b>	<b>0.9%</b>	<b>83.8%</b>	<b>5.5%</b>	<b>0.9%</b>	<b>1.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.2%</b>	
<b>AM Peak</b>	<b>08:00</b>	<b>08:00</b>	<b>09:00</b>	<b>07:00</b>	<b>08:00</b>									<b>08:00</b>	<b>08:00</b>
<b>Vol.</b>	<b>2</b>	<b>69</b>	<b>6</b>	<b>2</b>	<b>1</b>									<b>4</b>	<b>79</b>
<b>PM Peak</b>	<b>13:00</b>	<b>18:00</b>	<b>17:00</b>	<b>14:00</b>	<b>12:00</b>									<b>12:00</b>	<b>18:00</b>
<b>Vol.</b>	<b>1</b>	<b>37</b>	<b>4</b>	<b>1</b>	<b>4</b>									<b>4</b>	<b>44</b>



Northborough Police Department

211 Main Street

Northborough, Mass 01532

508-393-1515

Latisquma Rd. Southborough, Mass.

Untitled Axle Classifica

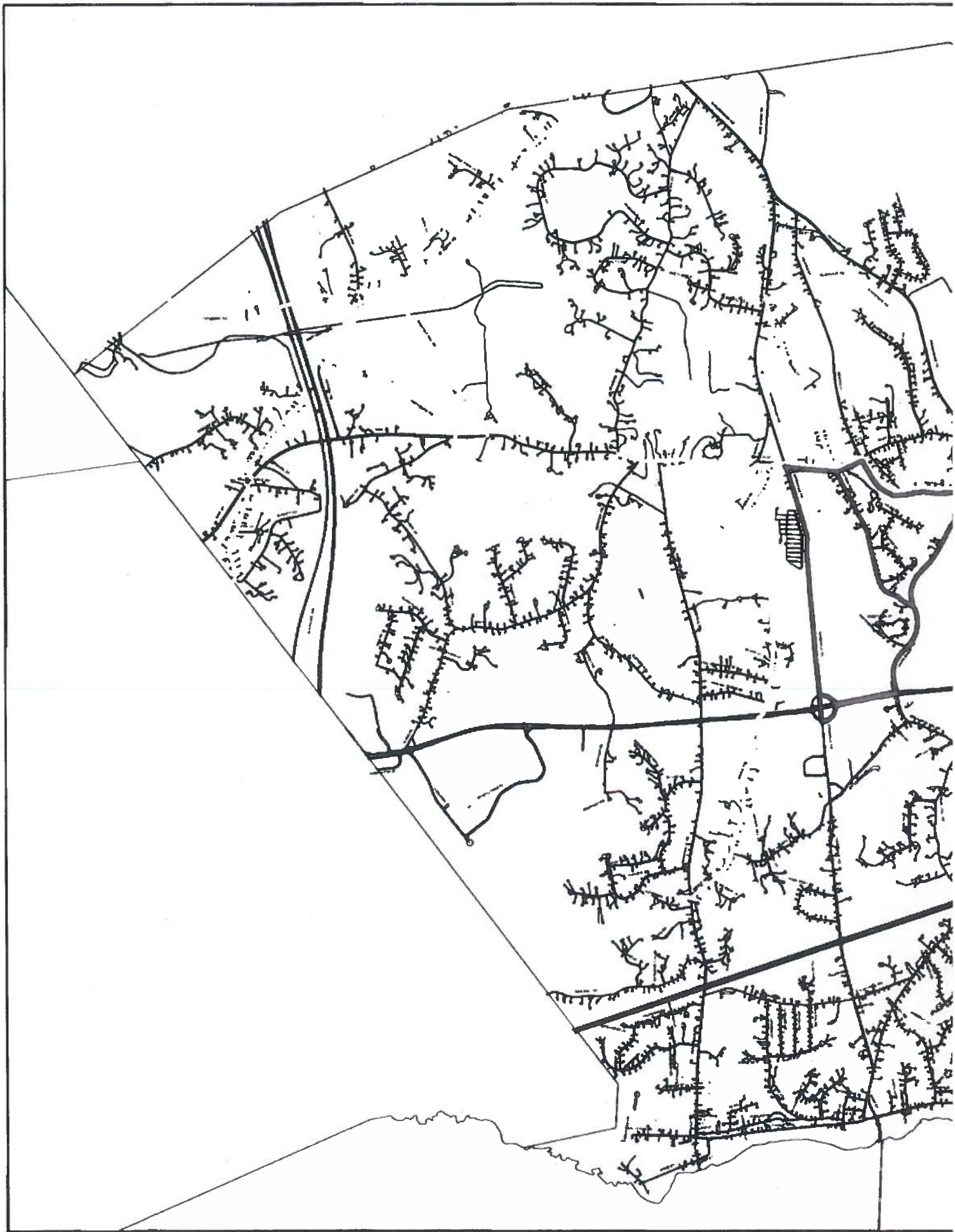
Latisquma Rd. Southborough, Mass.

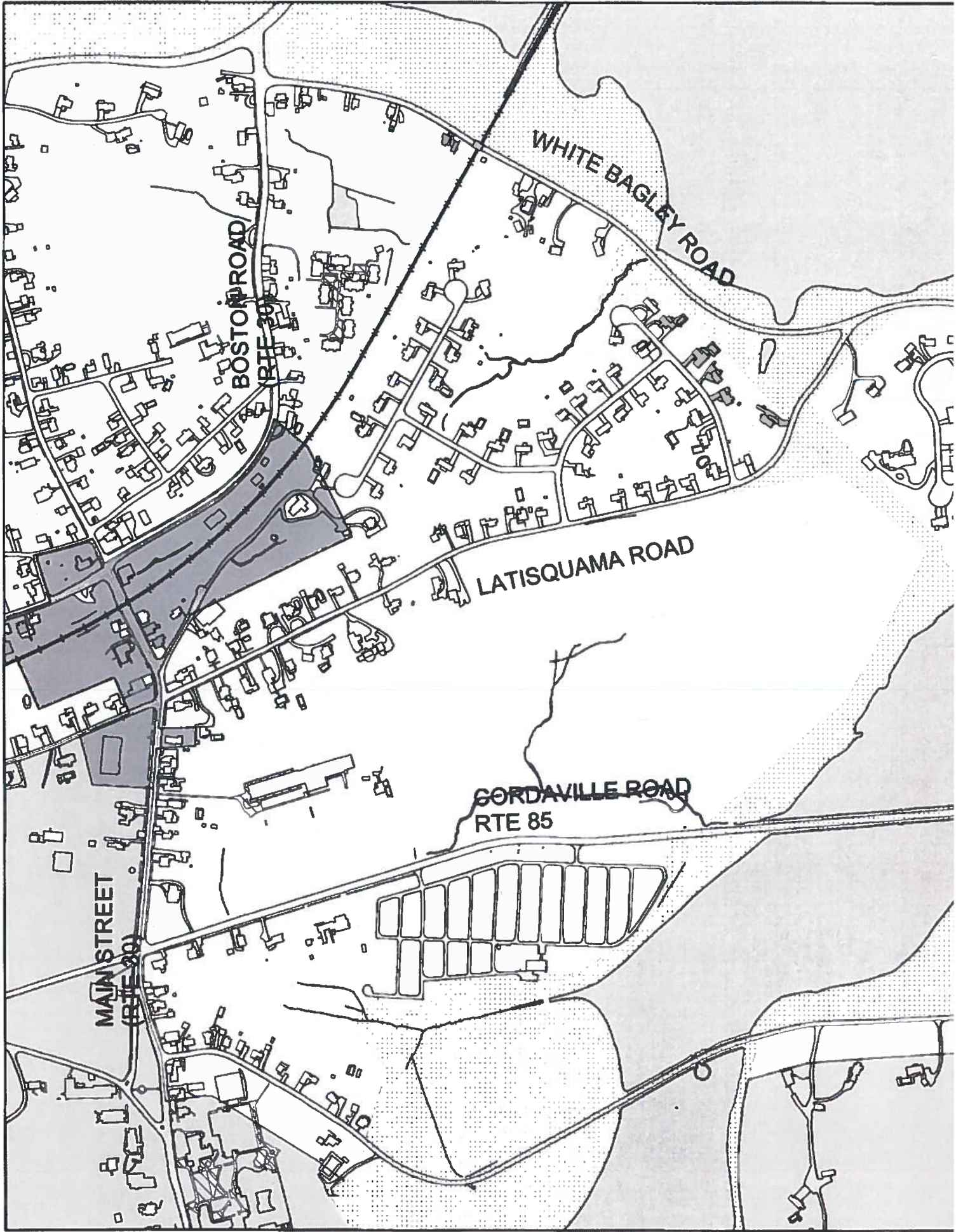
Direction 1

Latitude: 0' 0.000 Undefined

Start Time	Bikes	Cars Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Doubl	5 Axle Doubl	>6 Axl Doubl	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Class	Total
05/09/07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
07:00	0	38	1	2	0	0	0	0	0	0	0	0	0	1	40
08:00	0	63	3	0	2	0	0	1	0	0	0	0	0	2	71
09:00	0	39	1	0	1	0	0	0	0	0	0	0	0	4	45
10:00	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
11:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 PM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23:00	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<b>Total</b>	<b>1</b>	<b>162</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>181</b>
<b>Percent</b>	<b>0.6%</b>	<b>89.5%</b>	<b>2.8%</b>	<b>1.1%</b>	<b>1.7%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.9%</b>	
<b>AM Peak Vol.</b>	<b>05:00</b>	<b>08:00</b>	<b>08:00</b>	<b>07:00</b>	<b>08:00</b>			<b>08:00</b>						<b>09:00</b>	<b>08:00</b>
<b>PM Peak Vol.</b>	<b>1</b>	<b>63</b>	<b>3</b>	<b>2</b>	<b>2</b>			<b>1</b>						<b>4</b>	<b>71</b>
<b>Grand Total</b>	<b>39</b>	<b>2884</b>	<b>229</b>	<b>24</b>	<b>50</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268</b>	<b>3498</b>
<b>Percent</b>	<b>1.1%</b>	<b>82.4%</b>	<b>6.5%</b>	<b>0.7%</b>	<b>1.4%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.7%</b>	











THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF TRANSPORTATION  
MASSACHUSETTS HIGHWAY DEPARTMENT

**EOT**

DEVAL L. PATRICK  
GOVERNOR

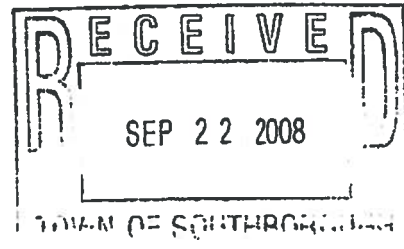
TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

BERNARD COHEN  
SECRETARY

LUISA PAIEWONSKY  
COMMISSIONER

September 16, 2008

Jean E. Kitchen  
Town Administrator  
Town of Southborough  
Town House  
17 Common Street  
Southborough, MA 01772-1662



Dear Ms. Kitchen,

I am writing in response to the Town's request for Heavy Commercial Vehicle Exclusions (HCVE) for Latisquama Road and White Bagley Road. The Traffic Engineering Section has reviewed your request and will recommend to the State Traffic Engineer that an HCVE be approved for Latisquama Road.

The request for the HCVE on White Bagley Road can not be approved at this time as the traffic volume data you submitted was for Latisquama Road only. However, I recommend that you wait to request an HCVE on that road until the exclusion is in place on Latisquama Road, as presently the percentage of heavy vehicles may not meet our warrants. Once the District is in receipt of this information we will work closely with the Boston office to move this request through the approval process as quickly as possible.

In the future, please contact Mark Johnson, P.E., District Traffic Engineer at 508-929-3831 with any questions regarding this request.

Sincerely,

Thomas J. Waruzila  
District 3 Highway Director

MPJ/

CC: M.O. File  
Traffic Correspondence File -Southborough

cc: BOS, DPW, Tom McCarthy



RECEIVED BY THE OFFICE OF THE SECRETARY OF TRANSPORTATION MARCH 10, 2009

THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF TRANSPORTATION  
MASSACHUSETTS HIGHWAY DEPARTMENT

**EOT**

DEVAL L. PATRICK  
GOVERNOR

PAUL J. BERRY

TOWN CLERK

JAMES A. ALOISI JR.  
SECRETARY

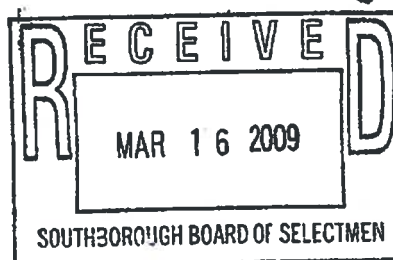
TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

LUISA PAIEWONSKY  
COMMISSIONER

March 13, 2009

Mr. Paul J. Berry  
Town Clerk  
Town of Southborough  
17 Common Street  
Southborough, MA 01772-1662

*Paul J. Berry*



Dear Mr. Berry:

This is relative to the recent request, and subsequent approval by the Board of Selectmen, received by the Department for a 24 hour Heavy Commercial Vehicle Exclusion for Latisquama Road in the Town of Southborough.

Please find attached a copy of Traffic Regulation Permit No. 277-7183 for Latisquama Road, dated March 13, 2009. The Town may now proceed with erecting appropriate signage in accordance with this Regulation. The signage should read "COMMERCIAL VEHICLES OVER 2 ½ TONS EXCLUDED" which must be erected in compliance with standards set forth in *The Manual on Uniform Traffic Control Devices, 2003 Edition*. Please notify this office by letter as to the date these signs are erected.

Sincerely,

*Neil E. Boudreau*

Neil E. Boudreau  
State Traffic Engineer

RFW/  
Att.  
Cc. Dist. 3 Traffic  
Chief of Police

TEN PARK PLAZA, BOSTON, MA 02116-3969  
TELEPHONE: (617) 973-7800 • TELEFAX: (617) 973-8040 • TDD: (617) 973-7306 • WWW.MHD.STATE.MA.US

*cc: BOS, Tom McCarty, Karen Balliga*



THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF TRANSPORTATION & PUBLIC WORKS  
MASSACHUSETTS HIGHWAY DEPARTMENT

PAUL J. BERRY

TOWN CLERK

*Paul J. Berry*

TRAFFIC ENGINEERING & OPERATIONS

**HEAVY COMMERCIAL VEHICLE EXCLUSION**  
**TRAFFIC REGULATION PERMIT**

City/Town: SOUTHBOROUGH

Date: MARCH 13, 2009

Permit No. 277-7183

Under the authority of MASS. GEN. LAWS Ch. 85, § 2, the Commonwealth of Massachusetts Department of Highways ("MassHighway") hereby approves the Traffic Rule and Regulation in the form of an ordinance, made by the Board of Selectmen of the Town of SOUTHBOROUGH with such stipulations and exceptions, if any, as are noted herein.

The validity of this Permit is contingent upon the conformity of the signs erected or used in connection with this Traffic Rule and Regulation, with the standards and specifications prescribed by MassHighway.

**EXCLUDED ROUTE** – LATISQUAMA ROAD

**HOURS OF EXCLUSION** – TWENTY-FOUR (24) HOURS

**DAYS OF EXCLUSION** – SEVEN (7) DAYS

**ALTERNATE ROUTE** – White Bagley Road, Route 9, Route 85

MASSACHUSETTS HIGHWAY DEPARTMENT

*Neil E. Bowdoin*  
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State Traffic Engineer