

# Bruce Freeman Rail Trail

## Station Road to Concord Town Line

### Sudbury, Massachusetts

PREPARED FOR



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Planning and Community Development  
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# 1

## Introduction

VHB, on behalf of the Town of Sudbury, has conducted a traffic control evaluation where the proposed Bruce Freeman Rail Trail crosses vehicular travel ways. As shown in Figure 1-1 the proposed rail trail utilizes the existing MBTA ROW which starts just north of Route 20 and continues north to the Concord town line. The evaluation includes a review of existing traffic volumes, crossing sight distance, traffic signal control warrants (in compliance with the 2009 Manual on Uniform Traffic Control Devices (MUTCD)<sup>1</sup>) and of crash data in the vicinity of the proposed path alignment.

The proposed rail trail involves converting an existing former railroad bed to a shared use path. There are six locations where the bikeway crosses a roadway and three locations where the bikeway crosses a commercial or residential driveway/access road. A warrant analysis was conducted at each roadway location to determine whether specific traffic control (such as a full traffic signal or a Pedestrian Hybrid Beacon) would be warranted. A review of crash data was completed for all the roadways crossings to document current safety deficiencies.

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### Study Area

The study area for the project includes the following crossings:

- Driveway (71 Union Avenue) – 265'± west of Union Avenue
- Access Road (Codger Lane) – 420'± west of Union Avenue
- Old Lancaster Road – 205'± east of Gerry Drive
- Hudson Road (Route 27) – 50'± east of Peakham Road

▼  
<sup>1</sup> Manual on Uniform Traffic Control Devices, U.S. Department of Transportation/Federal Highway Administration; 2009 Edition.



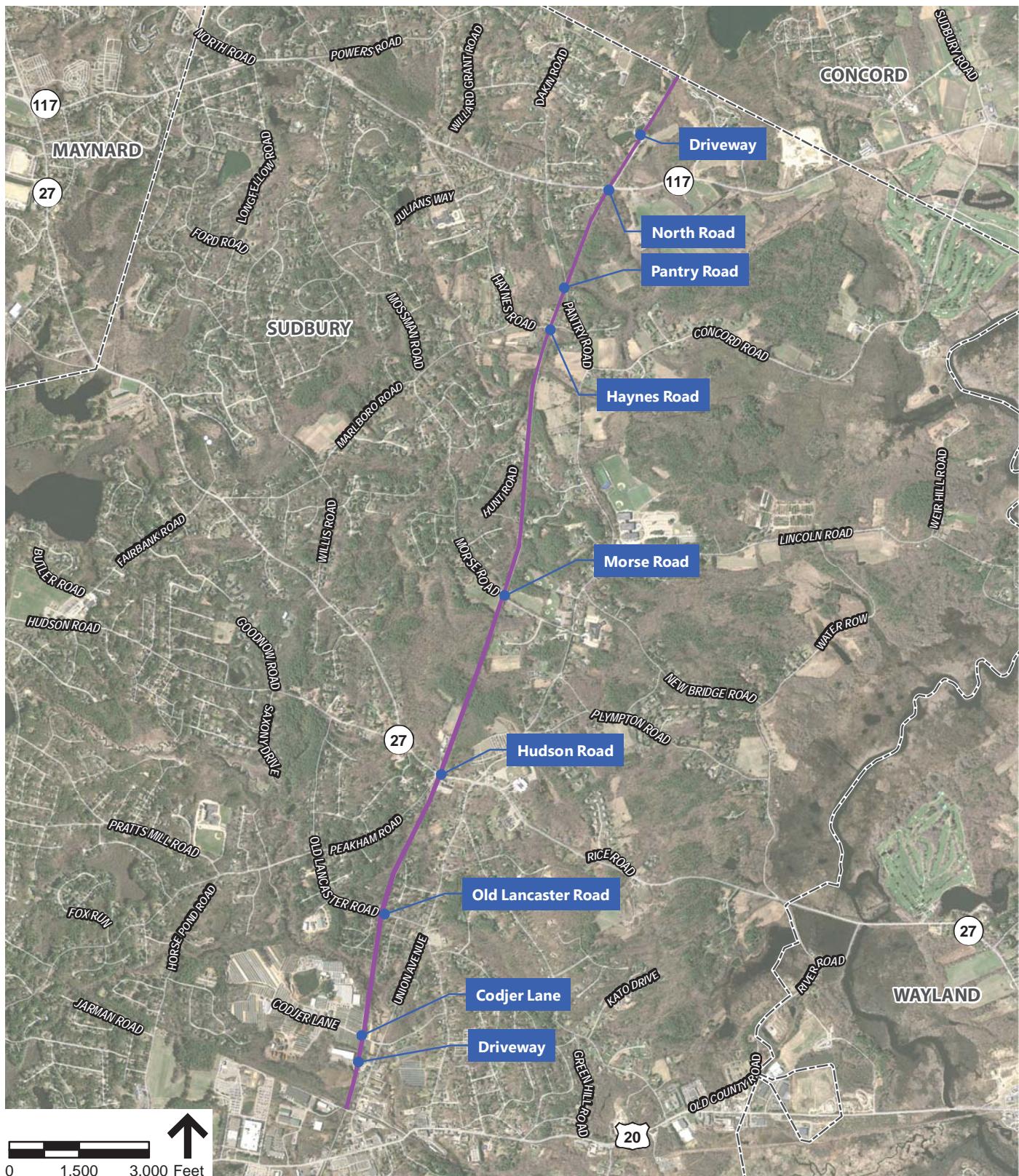
- Morse Road – 950'± west of Codman Drive
- Haynes Road – 655'± west of Pantry Road
- Pantry Road – 1,025'± north of Haynes Road
- North Road (Route 117) – 100'± east of Windmill Drive
- Driveway (Fairview Farm) – 1,285'± north of North Road (Route 117)

Table 1-1 summarizes the Functional Classification and Jurisdiction of each proposed crossing location.

**Table 1-1: Functional Classification and Jurisdiction**

Crossing Location	State Functional Classification	Jurisdiction
71 Union Avenue Driveway	Local	Private
Codger Lane	Local	Private
Old Lancaster Road	Urban Collector	Town of Sudbury
Hudson Road	Urban Principal Arterial	Town of Sudbury
Morse Road	Local	Town of Sudbury
Haynes Road	Urban Collector	Town of Sudbury
Pantry Road	Urban Collector	Town of Sudbury
North Road (Route 117)	Urban Minor Arterial	Town of Sudbury
Fairview Farm Access Road	Local	Private

Source: MassDOT



● Roadway Crossing



Figure 1-1

Roadway Crossing Locus Map  
Bruce Freeman Rail Trail  
Sudbury, Massachusetts

# 2

## Existing Conditions

Sudbury is a Massachusetts community with a population of 17,659 (2010 US Census) located in Middlesex County, located approximately twenty miles west of Boston.

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### Traffic Volumes

To identify current traffic flow characteristics and speed profiles, daily traffic volumes and vehicle speeds were collected using 48-hour weekday, and 24-hour Saturday automatic traffic recorders (ATRs) at six locations:

- Old Lancaster Road – East of Gerry Drive
- Hudson Road (Route 27) – west of Concord Road
- Morse Road – west of Codman Drive
- Haynes Road – west of Pantry Road
- Pantry Road – north of Haynes Road
- North Road (Route 117) – east of Windmill Drive

The ATR data, shown in Tables 2-1 and 2-2, indicates a general commuting pattern with higher eastbound volumes in the morning and higher westbound volumes in the evening.



Table 2-1: 2016 Weekday Traffic Volume Summary

Location	ADT <sup>a</sup>	Weekday Morning Peak Hour			Weekday Evening Peak Hour		
		Volume	K Factor <sup>b</sup>	Dir. Dist. <sup>c</sup>	Volume	K Factor	Dir. Dist.
Old Lancaster Road East of Meadow Drive	5,654	657	12%	90% EB	657	12%	64% WB
Hudson Road West of Concord Road	20,450	1,452	7%	71% EB	1,758	9%	61% WB
Morse Road West of Codman Drive	2,519	410	16%	88% EB	292	12%	78% WB
Haynes Road West of Pantry Road	3,867	588	15%	85% EB	514	13%	87% WB
Pantry Road North of Haynes Road	4,623	415	9%	53% SB	453	10%	58% SB
North Road (Rte 117) East of Windmill Drive	12,282	1,066	9%	92% EB	1,153	9%	77% WB

Source: VHB based on automatic traffic recorder counts conducted in October 13, 2016.

Note: Peak hours do not necessarily coincide with the peak hours of turning movement counts.

a. Average Daily Traffic volume expressed in vehicles per day.

b. Represents the percent of daily traffic that occurs during the peak hour.

c. Directional distribution of peak hour traffic.

Table 2-2: 2016 Saturday Traffic Volume Summary

Location	ADT <sup>a</sup>	Saturday Midday Peak Hour		
		Volume	K Factor <sup>b</sup>	Dir. Dist. <sup>c</sup>
Old Lancaster Road East of Meadow Drive	3,915	375	10%	51% EB
Hudson Road West of Concord Road	17,933	1,474	8%	50% EB
Morse Road West of Codman Drive	1,662	194	12%	66% WB
Haynes Road West of Pantry Road	1,827	174	10%	62% WB
Pantry Road North of Haynes Road	3,411	319	9%	55% NB
North Road (Route 117) East of Windmill Drive	8,643	862	10%	55% WB

Source: VHB based on automatic traffic recorder counts conducted in October 15, 2016.

Note: Peak hours do not necessarily coincide with the peak hours of turning movement counts.

a. Average Daily Traffic volume expressed in vehicles per day.

b. Represents the percent of daily traffic that occurs during the peak hour.

c. Directional distribution of peak hour traffic.

In addition to the ATRs, turning movement and classification (TMC) counts were collected at the intersection of Hudson Road (Route 27) and Peakham Road due to the proximity to the proposed shared use path crossing. Peak hour TMC counts were



collected at the intersection during the weekday evening peak period from 4:00 PM to 6:00 PM and the Saturday midday peak period from 11:00 AM to 2:00 PM. The weekday evening peak hour was from 4:45 PM to 5:45 PM and the Saturday midday peak hour was from 11:45 AM to 12:45 PM. These peak hour volumes are presented in Figure 2-1.

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## Roadway Crossing Speeds

At the crossing locations the regulated speeds and the 85<sup>th</sup> percentile speeds were reviewed.

Six of the crossing have a regulated speed. In the vicinity of the proposed rail trail crossing, the regulated speeds are as follows: Old Lancaster Road 30 mph (speed regulation 7478), Hudson Road 30 mph (speed regulation 241-A), Morse Road 30 mph (speed regulation 7558), Haynes Road 25 mph (speed regulation 7557), Pantry Road 35 mph (speed regulation 7520), and North Road (Route 117) 40 mph (speed regulation 1085-A).

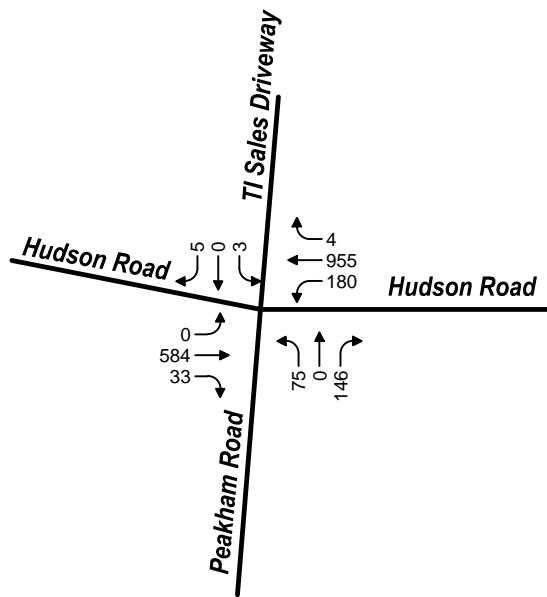
Travel speed data, shown in Table 2-3, indicates the 85<sup>th</sup> percentile speed along the majority of the study area roadways ranges between 32 to 43 mph.

**Table 2-3: Travel Speed Data Summary**

Location	85th Percentile Speed by Direction		Regulated Speed
Old Lancaster Road	WB 36 mph	EB 37 mph	30 mph
Hudson Road (Route 27)	WB 34 mph	EB 32 mph	30 mph
Morse Road	WB 37 mph	EB 37 mph	30 mph
Haynes Road	WB 36 mph	EB 36 mph	25 mph
Pantry Road	SB 39 mph	NB 38 mph	35 mph
North Road (Route 117)	WB 42 mph	EB 43 mph	40 mph

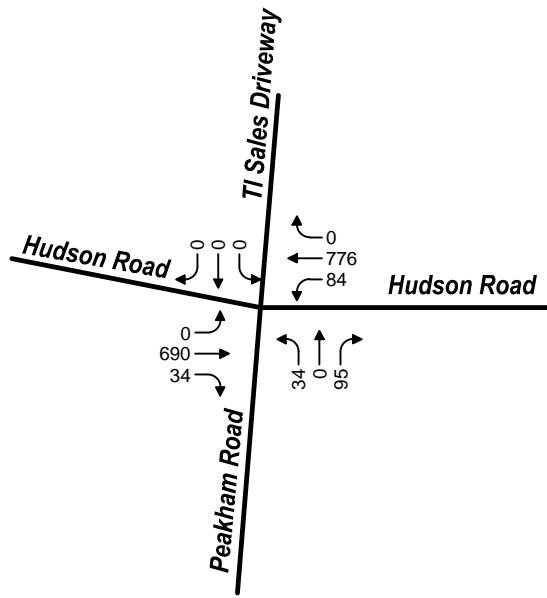
Source: VHB based on automatic traffic recorder counts conducted in October 11-15, 2016.

WB = westbound; EB = eastbound; SB = southbound; NB = northbound



2016 Existing Weekday Evening Peak Hour (4:45 PM - 5:45 PM)

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2016 Existing Saturday Midday Peak Hour (11:45 AM - 12:45 PM)

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2016 Existing Peak Hour  
Traffic Volumes  
Bruce Freeman Rail Trail  
Sudbury, Massachusetts

Figure 2-1

## Sight Distance

A sight distance analysis, in conformance with guidelines in the American Association of State Highway and Transportation Officials (AASHTO) *Green Book*<sup>2</sup> was performed for the crossing locations. Stopping Sight Distance (SSD) is the distance required for a vehicle approaching an intersection from either direction to perceive, react and come to a complete stop before colliding with an object in the road, in this case a bicycle or pedestrian crossing the roadway. In this respect, SSD can be considered as the minimum visibility criterion for the safe operation of an unsignalized intersection. To calculate the required SSD at the roadway crossings the 85<sup>th</sup> percentile speeds were used.

**Table 2-4: Stopping Sight Distance Summary**

Crossing Location	Traveling	Required <sup>a</sup>	Measured	Required SSD met?
Codger Lane	eastbound	200'	600'	Yes
	westbound	200'	390	Yes
Old Lancaster Road	eastbound	305'	450'	Yes
	westbound	305'	555'	Yes
Hudson Road (Route 27)	eastbound	250'	450'	Yes
	westbound	250'	225'	No
Morse Road	eastbound	305'	480'	Yes
	westbound	305'	315'	Yes
Haynes Road	eastbound	305'	330'	Yes
	westbound	305'	240'	No
Pantry Road	northbound	305'	360'	Yes
	southbound	305'	300'	No
North Road (Route 117)	eastbound	360'	600'	Yes
	westbound	360'	540'	Yes

Based on AASHTO guidelines

a required sight distance in feet, based on an 85<sup>th</sup> percentile speed, round up to the nearest 5 mph

As shown in Table 2-4, the available stopping sight distance at the crossings exceed AASHTO requirements except for Hudson Road (Route 27), Haynes Road, and Pantry

<sup>2</sup> American Association of State Highway and Transportation Officials, [A Policy on Geometric Design of Highways and Streets](#), 6<sup>th</sup> edition 2011.



Road. At these crossings with inadequate stopping sight distance traffic control and traffic calming measures are proposed to provide a safer crossing. It should be noted that at Haynes Road the regulated speed is 25 mph, but the existing 85<sup>th</sup> percentile speed is 36 mph. If countermeasures could be implemented to reduce speeds, the required stopping sight distance would then be met.

While Stopping Sight Distance should be provided continuously along stretches of roadway to ensure drivers have sufficient time to react to changing conditions, vehicles approaching or stopped at intersections benefit from sight distance greater than SSD in order to properly avoid conflicts with vehicles approaching from other directions. This Intersection Sight Distance (ISD) can also be calculated based on factors such as 85<sup>th</sup> percentile speeds, vertical grades, and number of lanes, and depends on intersection control and the desired movement (left-turn, through movement, right-turn). However, the formulas in the *Green Book* rely on a minimum time gap required for passenger cars, single-unit trucks, and combination trucks but not pedestrians or bicyclists.

The state of Florida published a handbook<sup>3</sup> that uses the formulas from the *Green Book* but based the time-gap needed for bicyclists and pedestrians on research and industry-accepted pedestrian characteristics. Table 2-5 presents the calculated crossing sight distance (CSD) for a bicyclist stopped at the crossing and for a pedestrian, using the regulated speed for the roadway segments.

Most of the roadway crossings do not meet recommended crossing sight distance, however many instances can be met with vegetation clearing and/or tree trimming. Crossing sight distance for the northbound approach to Old Lancaster Road looking left is impeded by the close spacing of a utility pole and mature tree approximately 40-feet east of the rail trail. CSD was measured from the stop line, however if trail users move closer to the edge of the travel way, approaching vehicles are visible. Consideration could be given to remove the tree as it is within Town Layout and the canopy is split around overhead utilities.

The CSD for Hudson Road, Pantry Road, and North Road are affected by roadway curvature. In the next Chapter, signalization of Hudson Road and North Road will be examined, and if warranted will address the sight distance concerns. The CSD for both rail trail approaches to Pantry Road, when looking to the east, could be achieved with vegetation clearing, however the impeding trees and vegetation are located outside of Town Layout.

<sup>3</sup> Florida Department of Transportation, [Trail Intersection Design Handbook](#), 1996.

Table 2-5: Available Crossing Sight Distance Summary

Crossing Location	Calculated <sup>a</sup> CSD		Traveling	Looking	Measured	Required CSD met?	
	Bike	Ped				Bike	Ped
Codger Lane	280'	370'	northbound	left	565'	Yes	Yes
				right	390'	Yes	Yes
	330'	420'	southbound	left	390'	Yes	Yes
				right	565'	Yes	Yes
Old Lancaster Road	330'	420'	northbound	left	225'	No	No
				right	250'	No	No
	420'	680'	southbound	left	>500'	Yes	Yes
				right	>500'	Yes	Yes
Hudson Road (Route 27)	420'	680'	northbound	left	450'	No	No
				right	>600'	Yes	No
	320'	390'	southbound	left	150'	No	No
				right	450'	Yes	No
Morse Road	320'	390'	northbound	left	>500'	Yes	Yes
				right	>500'	Yes	Yes
	265'	320'	southbound	left	165'	No	No
				right	435'	Yes	Yes
Haynes Road	265'	320'	northbound	left	330'	Yes	Yes
				right	210'	No	No
	400'	545'	southbound	left	330'	Yes	Yes
				right	300'	Yes	No
Pantry Road	400'	545'	northbound	left	120'	No	No
				right	360'	No	No
	445'	590'	southbound	left	330'	No	No
				right	>600'	Yes	Yes
North Road (Route 117)	445'	590'	northbound	left	600'	Yes	Yes
				right	540'	Yes	No
	445'	590'	southbound	left	525'	Yes	No
				right	600'	Yes	Yes

Source: VHB

a required sight distance in feet, based on regulated speed, in accordance with Florida guidelines

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## Crash Data

To identify potential crash trends and/or roadway deficiencies in the vicinity of the proposed crossing locations, the most current vehicle crash data available were obtained from MassDOT (2012 through 2014). It should be noted that not all crashes are reported in the database; those with property damage only, totaling less than \$1,000 are often not reported. The crash data is presented in Table 2-5 and included in the Appendix.

Crash rates are calculated based on the number of crashes, per million vehicle miles traveled, by functional classification. MassDOT average crash rates by federal functional classification are as follows; principal arterial 3.34, minor arterial 3.70, major collector 3.62, minor collector 4.40. Any crash rate higher than these factors may indicate a higher than average crash tendency for a particular roadway segment. The crash rate worksheets for the study area road segments are included in the Appendix.

As shown in Table 2-5, all locations where volume data was collected are below the MassDOT average crash rate with the exception of Hudson Road. Hudson Road likely had a higher than average crash rate because the segment included the intersection of Peakham Road which is a “STOP” controlled intersection.



Table 2-5: Crash Data Summary (2012-2014)

Location	Old Lancaster Road	Hudson Road (Route 27)	Morse Road	Haynes Road	Pantry Road	North Road (Rte 117)
MassDOT Average Crash Rate	3.62	3.34	2.08	3.62	3.62	3.70
Calculated Crash Rate	1.40	3.77	0.00	0.00	3.42	2.18
Exceeds Average?	No	Yes	N/A	No	No	No
<b>Year</b>						
2012	0	4	0	0	1	0
2013	1	1	0	0	0	1
<u>2014</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>3</u>
Total	1	8	0	0	2	4
<b>Collision Type</b>						
Angle	0	2	0	0	0	0
Head-on	0	1	0	0	1	0
Rear-end	0	1	0	0	0	4
Sideswipe, opposite direction	0	3	0	0	0	0
Single vehicle crash	1	1	0	0	1	0
<b>Crash Severity</b>						
Fatal injury	0	0	0	0	0	0
Non-fatal injury	0	5	0	0	1	0
Property damage only (none injured)	1	3	0	0	1	4
<b>Time of Day</b>						
Weekday, 7:00 AM - 9:00 AM	0	1	0	0	1	1
Weekday, 4:00 PM - 6:00 PM	1	2	0	0	0	3
Saturday, 11:00 AM - 2:00 PM	0	0	0	0	0	0
Weekday, other time	0	4	0	0	0	0
Weekend, other time	0	1	0	0	1	0
<b>Pavement Conditions</b>						
Dry	0	4	0	0	2	2
Wet	1	3	0	0	0	2
Snow	0	1	0	0	0	0
<b>Non Motorist (Bike, Pedestrian)</b>						
Total	0	1	0	0	0	0

Source: MassDOT

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## Design Designation Data

Table 2-6 summarizes the average daily roadway usage characteristics of the roadway segments near the rail trail crossings. These characteristics are:

- Average Daily Traffic (ADT), the total volume of motor vehicle traffic using the roadway on any given day for both existing and design years, expressed in vehicles per day (vpd). Design year is projected 10 years;
- Peaking Factor (K), the percentage of daily traffic that occurs during the peak hour travel period;
- Directional Distribution (D), the highest percentage of traffic in a single direction during the peak hour;
- Truck Volume (T), the percentage of heavy vehicles during the peak hour travel period and per-day average;
- Design Hourly Volume (DHV), the bi-directional peak hour volume for the design year, expressed in vehicles per hour (vph); and
- Directional Design Hourly Volume (DDHV), the highest direction volume during the design year peak hour, expressed in vph.

**Table 2-6: Design Data**

	Old Lancaster Road – east of Gerry Drive	Hudson Road east of Peakham Road	Morse Road west of Codman Drive	Haynes Road west of Pantry Road	Pantry Road north of Haynes Road	North Road (Route 117) east of Windmill Drive
Design Speed:	30 mph	30 mph	30 mph	25 mph	35 mph	40 mph
ADT (2016):	5,655 vpd	20,450 vpd	2,520 vpd	3,8657 vpd	4,625 vpd	12,280 vpd
ADT (2026):	5,945 vpd	21,496 vpd	2,650 vpd	4,065 vpd	4,859 vpd	12,910 vpd
K:	12%	9%	16%	15%	10%	9%
D:	64% WB	61% WB	88% EB	85% EB	58% SB	77% WB
T (Peak Hour):	1.1 %	2.6%	2.2%	1.9%	2.2%	2.9%
T (Average Day):	3.4 %	4.7%	2.1%	2.0%	3.1%	3.2%
DHV:	690 vph	1,850 vph	430 vph	620 vph	475 vph	1,210 vph
DDHV:	445 vph	1,120 vph	380 vph	525 vph	275 vph	935 vph

# 3

## Alternatives Analysis

Based on existing conditions, such as vehicle speeds, stopping sight distance, and crash history, enhancements to a standard crosswalk at some of the rail trail crossing locations may be necessary to increase motorist awareness to bicyclists and pedestrians.

Possible countermeasures to address existing roadway crossing deficiencies include: Special Emphasis Crosswalks, Rectangular Rapid Flashing Beacons, pedestrian hybrid beacons, a full traffic signal system, and advanced warning signs with supplemental pavement markings.

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### Traffic Signal Warrant Analysis

Using the traffic data, traffic signal warrant analyses were conducted to determine if the traffic volumes along study area roadway segments are significant enough to consider traffic control at the proposed rail trail crossings. Even if these warrants are satisfied, other considerations such as traffic flow progression, sight distance, and physical constraints must be considered before recommending the installation of traffic control. Traffic signal warrants were performed at the six study area roadway crossings identified above using 2016 existing volumes.

The methodology used in the traffic signal warrant analysis is based on the criteria provided in the MUTCD<sup>4</sup>. Nine warrants are defined in the MUTCD (along with a separate warrant for installation of a pedestrian hybrid beacon). The warrants consider the roadway geometry, traffic and pedestrian volumes entering the intersection, speeds, and crashes. The three warrants applicable to this evaluation include Warrant 4 - Pedestrian Volume, Warrant 7-Crash Experience, and the

<sup>4</sup> Manual on Uniform Traffic Control Devices; Part 4 – Highway Traffic Signals; U.S. Department of Transportation/Federal Highway Administration; 2009 Edition.



pedestrian hybrid beacon warrant. Due to the proximity of the intersection of Peakham Road with the proposed crossing on Hudson Road, Warrant 1-Eight-Hour Vehicular Volume, Warrant 2-Four-Hour Vehicular Volume, and Warrant 3 – Peak Hour were also evaluated.

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### Full Signal Warrants for Pedestrians and Crash History

The MUTCD minimum requirements for traffic control based on Warrant 4 and Warrant 7 are as follows:

- Warrant 4 -Pedestrian Volume: Pedestrian volumes would need to exceed 107 persons per hour for four hours or 133 persons in a single hour to meet criteria for this warrant. Corresponding traffic volumes would need to exceed 1,000 or 1,450 vehicles, respectively. If the roadway has 85<sup>th</sup> percentile speeds in excess of 35 mph, these thresholds are reduced to 75 persons per hour for four hours or 93 persons in a single hour, with corresponding traffic volumes of 750 and 1,000 vehicles, respectively.
- Warrant 7 – Crash Experience: There would need to be 5 or more crashes within a 12-month period that are correctable by traffic signal control.

Based on the collected traffic, pedestrian, bicycle, and crash data, these minimum warrant criteria are not met for any of the proposed rail trail crossing locations.

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### Vehicular Volume Warrants

Three additional traffic signal warrants were evaluated for the intersection of Hudson Road at Peakham Road due to traffic volumes and proximity to the proposed rail trail crossing:

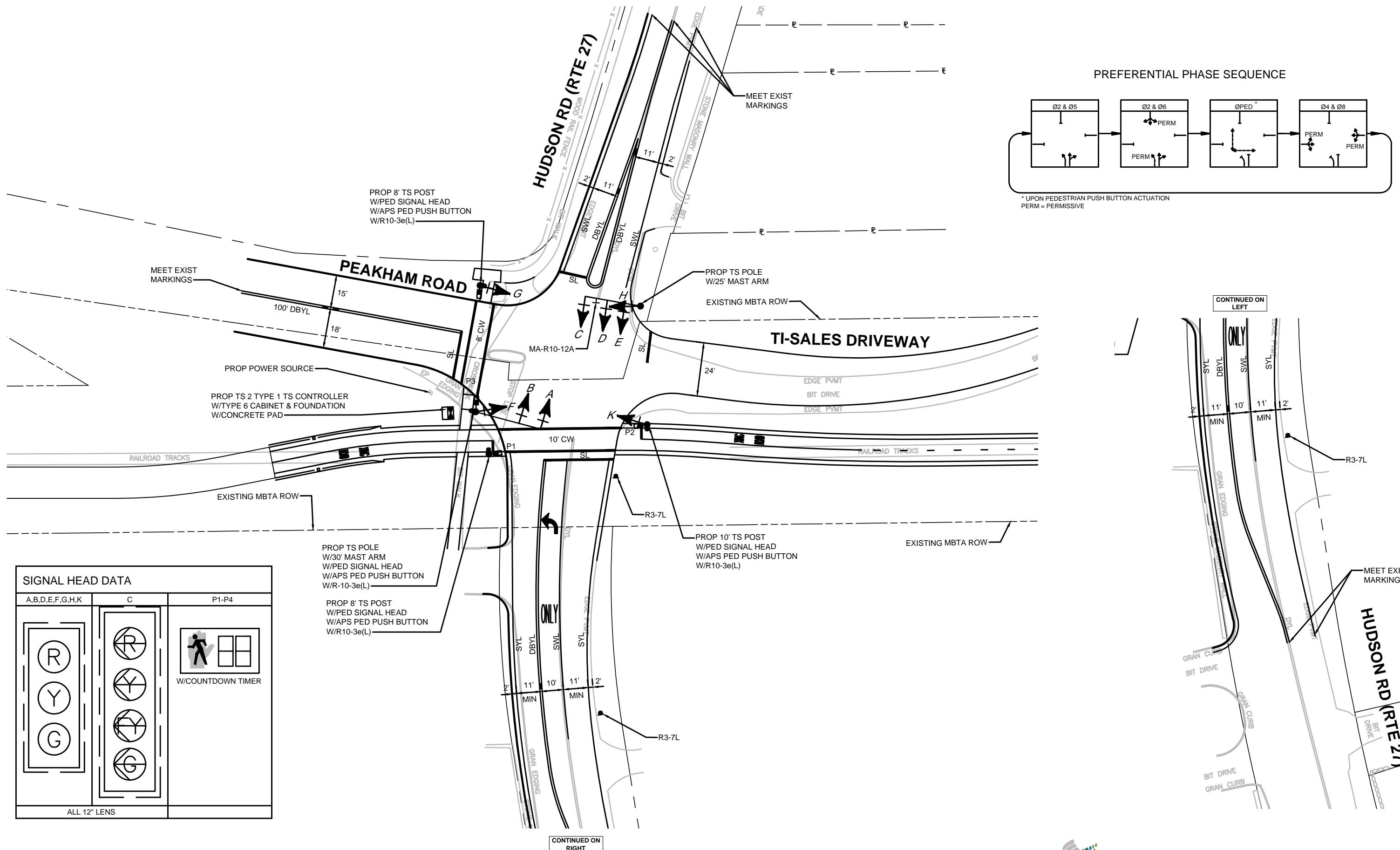
- Warrant 1 -Eight-Hour Vehicular Volume: Warrant 1 is comprised of three conditions and is satisfied if any of the conditions exceed specified thresholds.
  - Condition A is applied for locations with high volumes of conflicting traffic and is based on the number of lanes. With a single lane approach for all directions, Hudson Road would need to have at least 500 vehicles per hour during the same eight hours Peakham Road has at least 150 vehicles per hour.
  - Condition B is applied for locations where mainline traffic is so significant that the minor approaches experience excessive delay. To satisfy this condition Peakham Road would only need 75 vehicles per hour during the same eight hours Hudson Road volumes exceed 600 vehicles per hour.
  - If neither Condition A or Condition B are satisfied, Warrant 1 can still be met if both conditions are met with 80% of the volume thresholds in Condition A and Condition B



- Warrant 2 – Four-Hour Vehicular Volumes: Warrant 2 is for any four hours of a day.
- Warrant 3 – Peak Hour: Warrant 3 is for the peak hour of any given day.

The intersection of Hudson Road and Peakham Road have the required traffic volumes to meet Warrant 3. The result of Warrant 1 is unknown because an 8-hour weekday count was not conducted at this location. Warrant 2 can be met using information from a traffic study for the Village at Sudbury Station. An additional 8-hour TMC data collection effort is recommended if a full traffic signal is desired by the Town as it is required for justification to the MassDOT.

Figure 3-1 illustrates one conceptual layout for a traffic signal system if pursued by the Town of Sudbury.



# Conceptual Traffic Signal Peakham Road at Hudson Road Sudbury, Massachusetts

Figure 3-1



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## Pedestrian Hybrid Beacon Warrant

Table 3-1 presents the requirements for traffic control based on the pedestrian hybrid beacon warrant for a crosswalk length of 34 feet or less (the applicable case for this assessment). Table 3-2 presents the current volumes, and the pedestrian and bicycle demands necessary to meet warrants. Based on the roadway volume along roadways where crossings will be provided, warrants for pedestrian hybrid beacons are met for the crossing of Hudson Road and North Road (assuming the path will have a future pedestrian and bicycle demand greater than 20 users during the peak hour).

**Table 3-1: Pedestrian Hybrid Beacon Warrant Requirements**

VPH <sup>1</sup> on major street (total both directions)	PPH <sup>2</sup> crossing major street (speed <35 mph <sup>3</sup> )	PPH crossing major street (speed >35 mph)
2,000	20	20
1,750	20	20
1,500	40	20
1,250	90	20
1,000	190	50
750	400	150
500	NA	NA
250	NA	NA
225	NA	NA

Source: 2009 MUTCD

1 Vehicles per hour

2 Pedestrians (or bicycles) per hour

3 85th percentile travel speed

Table 3-2: Pedestrian Hybrid Beacon Warrants Analysis Summary

Roadway Segment	2016 Peak Hour Vehicle Volume	85 <sup>th</sup> Percentile Speed	Crossing Width	Pedestrian and Bicycle volume required to meet warrant	Pedestrian Hybrid Beacon Warrant Met?
Codger Lane	82 (PM)	< 35 mph	< 34'	N/A	No
Old Lancaster Road	657 (PM)	>35 mph	< 34'	175	No
Hudson Road (Route 27)	1,758 (PM)	< 35 mph	< 34'	20	Likely
Morse Road	410 (AM)	>35 mph	< 34'	N/A	No
Haynes Road	588 (AM)	>35 mph	< 34'	N/A	No
Pantry Road	453 (PM)	>35 mph	< 34'	N/A	No
North Road (Route 117)	1,153 (PM)	>35 mph	< 34'	20	Likely

The Hudson Road and North Road crossing locations are shown as “likely” in Table 3-2 for meeting the necessary requirements for the installation of a Pedestrian Hybrid beacon due to the fact that this a new segment of an area-wide rail trail would experience similar or higher use than surrounding/connecting shared use paths.

## Rectangular Rapid Flashing Beacon

Rectangular Rapid Flashing Beacons (RRFBs) received interim approval (IA-11) for optional use by the Federal Highway Administrations in July 2008. RRFBs can be used as a warning beacon to supplement standard pedestrian crossings signs at crosswalks across uncontrolled approaches. The interim approval sites case studies where the uses of RRFBs compared to standard round yellow flashing beacons helped to increase the compliance of motorists yielding to pedestrians. Massachusetts and the Federal Highway Administration currently do not have an established methodology or guidelines for warranting the use of RRFBs.

RRFBs are being proposed at locations that have limited sight distance and do not meet the warranting conditions for a Pedestrian Hybrid Beacon. These locations include Old Lancaster Road, Haynes Road and Pantry Road. The RRFBs supplement the signing and pavement markings and help increase driver awareness of potential pedestrian/bicycle conflicts.



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## Signage and Pavement Markings

Crosswalk pavement markings alert drivers to designated places along the roadway system for pedestrians to traverse and legally establish a crosswalk at non-intersection locations. Warning signs installed next to the crosswalk supplement the pavement markings. At a minimum, all rail trail crossings within the project area will have marked crosswalks with accompanying signage. As many of the proposed crossings are located where drivers may not be expecting bicyclists and pedestrians, a special emphasis crosswalk may be effective to increase the conspicuity of the crosswalks.

Advanced crosswalk pavement markings (such as BIKE XING) and signage provide additional warning for motorists. This additional treatment may not be necessary where the rail trail crosses a driveway, but could be considered at roadway crossings.

# 4

## Traffic Management Strategy

This project consists of constructing a bike path along an existing abandoned rail line and providing crossing treatments at all of roadway crossings. Four levels of treatment are being recommended as part of this project ranging from signing and pavement markings at the crossing to the installation of a pedestrian hybrid beacon.

Pedestrian hybrid beacons are proposed at the Hudson Road and North Road crossings at these intersections construction will include signing and striping and the installation of traffic signal equipment and conduit.

The Traffic Management Plan (TMP) for this project has been developed with a primary goal of preventing unnecessary delays to the motoring public. For the purposes of this Project, regular working hours are expected to be 7:00 AM to 3:00 PM, Monday through Friday. Typically, no work that will impact the travel way is to be occur during peak periods. Any work that is to occur during peak traffic hours (7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM) will be coordinated in advance with the Town of Sudbury. Work that impacts existing travel lanes is expected to be restricted to off-peak traffic hours. Finally, the project is expected to be constructed in a single construction season and work will not occur on Saturdays, Sundays or holidays, or on the day before or the day after a long weekend which involves a holiday without prior approval by the Town of Sudbury. Night work (8:00 PM to 6:00 AM) is permitted for certain elements of the work upon written approval from the engineer and Town.

The traffic management plan developed and analyzed for this project addresses the major aspects of construction. The following provides more details on the traffic management plan for the project.

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## Existing Conditions

Within the project limits each of the crossing have two travel lanes with one lane in each direction. The Hudson Road crossing is between two nearby intersections with Peakham Road (unsignalized) to the west and Concord Road (signalized) to the east.

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## Pedestrian/Bicycle Facilities

The crossings of Old Lancaster Road, Hudson Road (Route 27), Morse Road and North Road (Route 117) have sidewalks on one side of the roadway. It is anticipated the contractor will be required to provide pedestrian accommodations along the existing sidewalks. Pedestrian access will be maintained on the same side of the roadway with temporary wheelchair ramps provided as necessary to ramp the pedestrians from the existing sidewalk to the roadway. If pedestrians are ramped into the roadway, they will be separated from the travel lanes as shown in the pedestrian bypass detail in the Temporary Traffic Control Plans in the 25% design plans. Bicycles currently share the road and do not have a separate facility for their use. Therefore, bicycles will be accommodated as that of normal vehicular traffic.

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## Lane Shifts and Closures

The following describes the traffic management details that may be used during construction. These plans are depicted on the Temporary Traffic Control Plans included in the 25% design plans.

One Lane Bi-directional Traffic at Intersection: This detail is to be used at the intersection of Peakham Road and Hudson Road (Route 27) to conduct work at the corner of the intersection. It can be used for the removal of the existing traffic island on Peakham Road and installation of new curbing, sidewalks, signage and traffic signal equipment. For this application, traffic will be restricted to one travel lane on both Peakham Road and Hudson Road and will be police controlled to provide alternating traffic.

Typical Two-way Street Lane Closure Alternating Traffic: This detail is to be used at all the roadway crossings to create a work area and to provide temporary pedestrian accommodations around the work area. It can be used for installation of new curbing, sidewalks and signage. Traffic will be restricted to one travel lane and will be police or flagger controlled to provide alternating traffic.

Typical Two-way Street Lane Shift: This detail may be used at the crossings of Hudson Road (Route 27) and North Road (Route 117) as all other crossings are not wide enough to maintain two travel lanes if the Contractor needs to occupy the roadway. It can be used for installation of new curbing, sidewalks and signage. This application will shift traffic and will maintain one lane of travel in each direction.



Table 4-1: Work Zone Capacities

Location	Existing Roadway Width	Existing Sidewalk	Daily Traffic Volume	Hourly Traffic Range <sup>1</sup>			Commuter Hours		Traffic Management Plan <sup>2</sup>							
				Weekday	Low	High	Average	AM Peak	PM Peak	Lanes <sup>3</sup>	Two Way Street Lane Shift	Ideal Average Lane Capacity <sup>4</sup>	Meets MassDOT <sup>5</sup>	Lanes	Two Way Street Lane Closure	Ideal Average Lane Capacity
Codger Lane	23'	No	N/A	N/A	N/A	N/A	N/A	N/A	82 <sup>7</sup>		N/A			Alternating	585	Yes
Eastbound		No	N/A	N/A	N/A	N/A	N/A	N/A	27 <sup>7</sup>		N/A			Alternating	585	Yes
Westbound		No	N/A	N/A	N/A	N/A	N/A	N/A								
Old Lancaster Road	22'	No	3,230	121	590	241	241	590	234		N/A			Alternating	585	Yes
Eastbound		Yes	2,425	67	423	174	174	67	423		N/A			Alternating	585	Yes
Westbound																
Hudson Road (Route 27)	36'	Yes <sup>6</sup>	10,165	522	1,029	667	667	423	1,064	1 to 1	1340	Yes	Alternating	585	No	
Eastbound		No	10,285	383	1,064	661	661	1,029	694	1 to 1	1340	Yes	Alternating	585	No	
Westbound																
Morse Road	<20'	Yes <sup>6</sup>	1,300	46	360	95	95	360	63		N/A			Alternating	585	Yes
Eastbound		No	1,220	32	229	88	88	50	229		N/A			Alternating	585	Yes
Westbound																
Haynes Road	20'	No	1,925	48	498	133	133	90	498		N/A			Alternating	585	Yes
Eastbound		No	1,940	38	446	143	143	446	68		N/A			Alternating	585	Yes
Westbound																
Pantry Road	22'	No	2,120	109	197	153	153	196	243		N/A			Alternating	585	Yes
Northbound		No	2,505	116	261	181	181	219	213		N/A			Alternating	585	Yes
Southbound																
North Road (Route 117)	25'	Yes <sup>6</sup>	5,970	157	886	370	370	886	218	1 to 1	1340	Yes	Alternating	585	No	
Eastbound		No	6,310	168	890	434	434	168	857	1 to 1	1340	Yes	Alternating	585	No	
Westbound																

Source: Hourly traffic volumes were obtained from Automatic Traffic Recorder (ATR) Counts conducted on October 13, 2016. Data was collected by Precision Data Industries, LLC for VHB and was rounded using the basic hourly report summaries from the traffic data.

N/A Not available.

1 Volumes expressed in vehicles per hour and report low, high and average hourly traffic volumes between the hours of 7:00 AM and 7:00 PM.

2 Traffic management plans are depicted on Sheets 76 thru 79, of 122.

3 Indicates the cross sectional change for the corridor; i.e. 2 to 1 indicates that 2 travel lanes will be reduced to 1 travel lane during construction

4 Ideal Average Lane Capacity values obtained from FIGURE Gen-1, GENERAL GUIDELINES, Standard Details and Drawings for the Development of Traffic Management Plans, prepared by MassDOT/MassHighway.

5 Indicates whether this roadway will meet the MassDOT guidelines for Average Lane Capacity in a work zone.

6 Sidewalk is set back from roadway edge

7 Volumes from Turning Movement Counts collected on October 13, 2016

# 5

## Conclusion and Recommendation

A summary of the existing conditions (traffic volumes, speed, crash history, stopping sight distance) and the recommended improvements are presented in Table 5-1. Four levels of treatment are being recommended as part of this project ranging from signing and pavement markings at the crossing to the installation of a pedestrian hybrid beacon.

At the commercial driveways/access road crossings, crosswalk markings and signs are proposed. This treatment is proposed at: 71 Union Avenue Driveway, Codger Lane and Fairview Farm Driveway.

At the crossings with lower volumes and adequate stopping sight distance, crosswalk markings, signs, advanced signs and pavement markings are proposed. This treatment is proposed at Morse Road.

At the crossings with moderate peak volumes (500-1,000 vehicles per hour) or crossings with inadequate stopping sight distance, a RRFB is proposed along with crosswalk markings, signs, advanced signs and pavement markings. This treatment is proposed at Old Lancaster Road, Haynes Road and Pantry Road. Because crossing sight distance for rail-trail users looking to the east cannot be met without impacts to private property, additional advanced signage for vehicles is recommended to increase conspicuity of the proposed crossing.

At the crossings with enough traffic volumes to meet the pedestrian hybrid beacon warrant, a Pedestrian Hybrid Beacon is proposed along with the associated signing and pavement markings. This treatment is proposed at Hudson Road and North Road. A Pedestrian Hybrid Beacon at these locations also address insufficient crossing sight distance for trail users due to roadway curvature.



Table 5-1: Crossing Summary and Recommendations

Crossing Location	2016 Peak Hour Vehicle Volume	85 <sup>th</sup> Percentile Speed	Crashes (2012- 2014)	Required SSD Met?	Pedestrian Hybrid Beacon Warrant Met?	Recommended Crossing Treatment
Driveway (71 Union Avenue)	<100	< 35 mph	0	Yes	No	Marked Crosswalk and Crossing signs
Codger Lane	<100	< 35 mph	0	Yes	No	Marked Crosswalk and crossing signs
Old Lancaster Road	657 (PM)	>35 mph	1	Yes	No	RRFB
Hudson Road	1,758 (PM)	< 35 mph	8	No	Yes	Pedestrian Hybrid Beacon
Morse Road	410 (AM)	>35 mph	0	Yes	No	Marked Crosswalk and crossing signs with advanced signing and pavement markings
Haynes Road	588 (AM)	>35 mph	0	No	No	RRFB
Pantry Road	453 (PM)	>35 mph	2	No	No	RRFB and additional signage
North Road (Route 117)	1,153 (PM)	>35 mph	4	Yes	Yes	Pedestrian Hybrid Beacon
Driveway (Fairview Farm)	<100	< 35 mph	0	Yes	No	Marked Crosswalk and Crossing signs

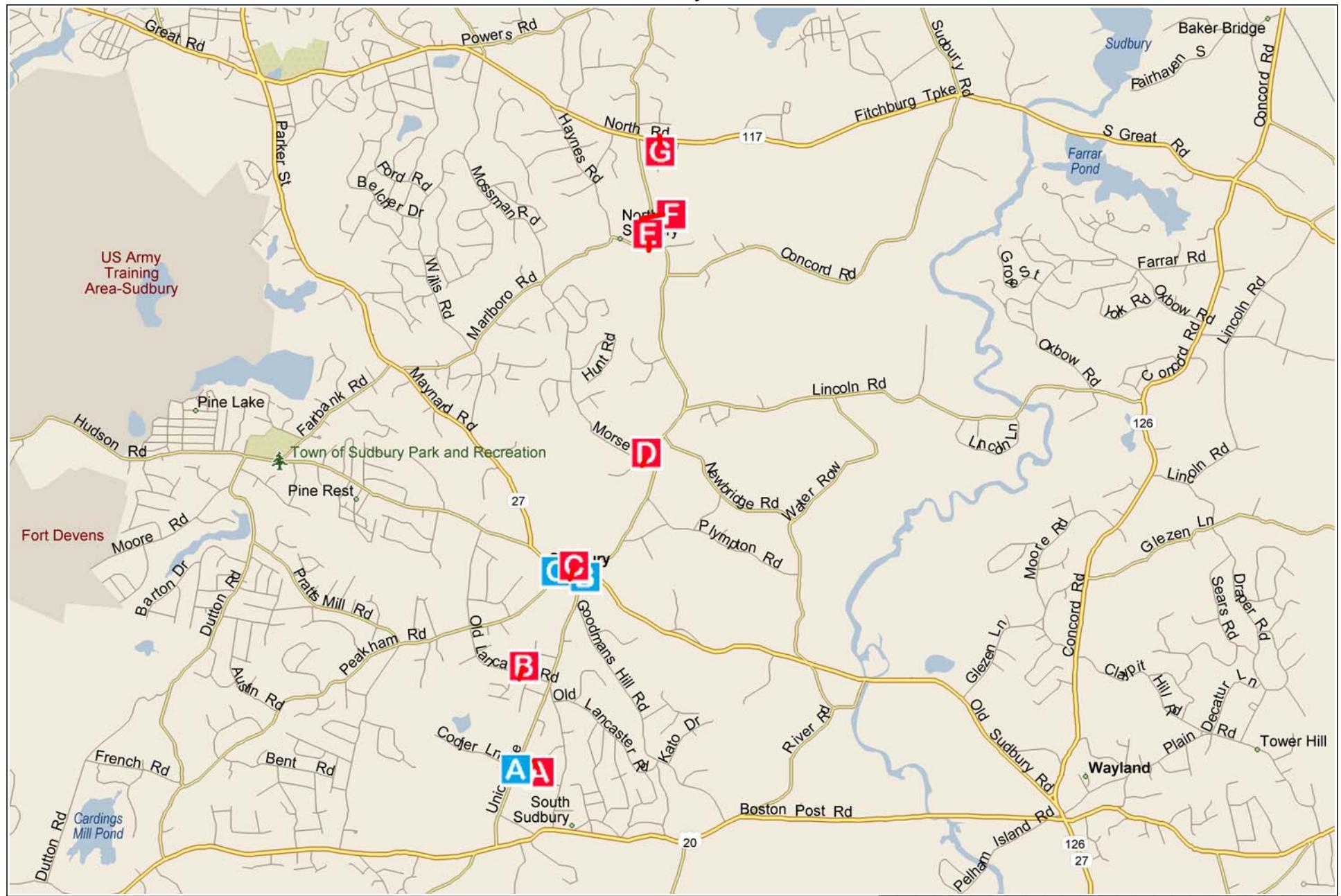


# Appendix A

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## Automatic Traffic Records

## 165313 Sudbury Locations



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0 mi 0.5 1 1.5 2 2.5



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wengers

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A VOLUME  
Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	0	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
01:00	0	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
02:00	0	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
03:00	0	0	1	0	1	0	1	0	*	*	*	*	*	*	1	0
04:00	1	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
05:00	0	1	0	1	0	1	0	0	*	*	*	*	*	*	0	1
06:00	2	3	1	5	0	4	0	1	*	*	*	*	*	*	1	3
07:00	4	7	10	6	9	6	2	4	*	*	*	*	*	*	6	6
08:00	7	3	10	8	6	5	3	4	*	*	*	*	*	*	6	5
09:00	7	6	8	5	11	11	15	3	*	*	*	*	*	*	10	6
10:00	13	7	6	6	13	12	7	7	*	*	*	*	*	*	10	8
11:00	6	7	17	6	10	9	24	10	*	*	*	*	*	*	14	8
12:00 PM	17	8	19	16	18	17	9	3	*	*	*	*	*	*	16	11
01:00	11	11	7	5	12	4	9	9	*	*	*	*	*	*	10	7
02:00	11	6	14	9	22	9	8	7	*	*	*	*	*	*	14	8
03:00	21	7	26	12	27	12	16	11	*	*	*	*	*	*	22	10
04:00	32	5	44	12	38	8	10	3	*	*	*	*	*	*	31	7
05:00	20	7	31	4	20	5	5	4	*	*	*	*	*	*	19	5
06:00	3	3	10	4	11	8	3	5	*	*	*	*	*	*	7	5
07:00	1	2	5	2	3	3	5	2	*	*	*	*	*	*	4	2
08:00	4	2	2	0	7	1	3	2	*	*	*	*	*	*	4	1
09:00	3	1	0	0	1	1	0	1	*	*	*	*	*	*	1	1
10:00	0	0	0	1	0	1	1	1	*	*	*	*	*	*	0	1
11:00	0	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
Total Day	163	86	211	102	209	117	121	77	0	0	0	0	0	0	176	95
AM Peak Vol.	10:00	07:00	11:00	08:00	10:00	10:00	11:00	11:00	-	-	-	-	-	-	11:00	10:00
PM Peak Vol.	16:00	13:00	16:00	12:00	16:00	12:00	15:00	15:00	-	-	-	-	-	-	16:00	12:00

Comb. Total	249	313	326	198	0	0	0	0	0	0	0	0	0	0	271
ADT	ADT 272	AADT 272													



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Volume  
Site Code: TBA

Start	EB			WB			Combined		12-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Wed
12:00	0		5	0		1	0	6	
12:15	0		6	0		0	0	6	
12:30	0		1	0		2	0	3	
12:45	0	0	5	17	0	0	5	8	25
01:00	0		3	0		3	0	6	
01:15	0		2	0		2	0	4	
01:30	0		1	0		0	0	1	
01:45	0	0	5	11	0	0	6	11	22
02:00	0		3	0		2	0	5	
02:15	0		0	0		0	0	0	
02:30	0		5	0		0	0	5	
02:45	0	0	3	11	0	0	4	6	17
03:00	0		3	0		2	0	5	
03:15	0		4	0		2	0	6	
03:30	0		10	0		1	0	11	
03:45	0	0	4	21	0	0	2	7	28
04:00	1		14	0		1	1	15	
04:15	0		3	0		2	0	5	
04:30	0		7	0		2	0	9	
04:45	0	1	8	32	0	0	0	5	37
05:00	0		5	0		3	0	8	
05:15	0		7	0		1	0	8	
05:30	0		4	1		2	1	6	
05:45	0	0	4	20	0	1	1	7	0
06:00	0		2	0		1	0	3	
06:15	1	0		2	1	1	3	1	
06:30	0		0	0		1	0	1	
06:45	1	2	1	3	1	3	0	5	6
07:00	0	0	1	1	0	0	1	0	
07:15	1	1		2	0	0	3	1	
07:30	2	0		2	0	0	4	0	
07:45	1	4	0	1	2	7	2	2	3
08:00	0		1	1		1	1	2	
08:15	1		1	0		0	1	1	
08:30	5		1	1		0	6	1	
08:45	1	7	1	4	1	3	1	2	6
09:00	5		2		2	1	7	3	
09:15	1		1	1		0	2	1	
09:30	0		0	2	0	0	2	0	
09:45	1	7	0	3	1	6	0	13	0
10:00	1	0		2	0	0	3	0	
10:15	4	0		2	0	0	6	0	
10:30	4	0		2	0	0	6	0	
10:45	4	13	0	0	1	7	0	20	0
11:00	2	0		1	0	0	3	0	
11:15	2	0		2	0	0	4	0	
11:30	2	0		3	0	0	5	0	
11:45	0	6	0	0	1	7	0	13	0
Total	40		123	34		52	74	175	
Percent	54.1%		70.3%	45.9%		29.7%			
Day Total		163		86			249		
Peak Vol.	10:15 14	-	03:15 32	-	07:00 7	-	00:30 12	-	10:00 20
P.H.F.	0.875		0.571		0.875		0.600		0.714
									0.633



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Volume  
Site Code: TBA

Start	EB		WB		Combined		13-Oct-16
Time	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu
12:00	0	7	0	3	0	10	
12:15	0	4	0	5	0	9	
12:30	0	4	0	2	0	6	
12:45	0	0	19	0	0	16	35
01:00	0	1	0	2	0	0	3
01:15	0	2	0	1	0	0	3
01:30	0	3	0	2	0	0	5
01:45	0	0	1	0	0	5	12
02:00	0	5	0	3	0	0	8
02:15	0	5	0	1	0	0	6
02:30	0	0	0	4	0	0	4
02:45	0	0	4	0	1	9	0
03:00	0	5	0	5	0	0	10
03:15	0	1	0	2	0	0	3
03:30	1	7	0	3	1	0	10
03:45	0	1	13	26	0	2	15
04:00	0	18	0	2	0	0	20
04:15	0	12	0	2	0	0	14
04:30	0	7	0	7	0	0	14
04:45	0	0	7	44	0	1	12
05:00	0	12	0	1	0	0	13
05:15	0	7	1	1	1	0	8
05:30	0	7	0	1	0	0	8
05:45	0	0	5	31	0	1	1
06:00	0	5	0	0	0	0	5
06:15	0	3	2	4	2	0	7
06:30	1	2	0	0	1	0	2
06:45	0	1	0	10	3	4	0
07:00	2	3	3	5	1	5	4
07:15	3	1	1	1	4	0	2
07:30	3	0	1	0	4	0	0
07:45	2	10	1	5	1	6	1
08:00	1	2	4	0	5	0	7
08:15	3	0	2	0	5	0	0
08:30	1	0	2	0	3	0	0
08:45	5	10	0	2	8	0	18
09:00	3	0	0	0	0	5	0
09:15	2	0	3	0	0	5	0
09:30	1	0	0	0	1	0	0
09:45	2	8	0	0	2	4	13
10:00	1	0	4	0	5	0	0
10:15	2	0	0	1	2	0	1
10:30	1	0	0	0	1	0	0
10:45	2	6	0	0	1	4	12
11:00	5	0	2	0	7	0	0
11:15	2	0	2	0	4	0	0
11:30	4	0	1	0	5	0	0
11:45	6	17	0	1	6	0	0
Total	53	158	37	65	90	223	
Percent	58.9%	70.9%	41.1%	29.1%			
Day Total	211		102		313		
Peak Vol.	11:00	- 03:30	- 07:45	- 12:00	- 11:00	- 03:45	- - -
P.H.F.	17	- 50	- 9	- 16	- 23	- 63	- - -
	0.708	0.694	0.563	0.667	0.821	0.788	

Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners



46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Volume  
Site Code: TBA

Start	EB			WB			Combined		14-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Fri
12:00	0		5	0		3	0	8	
12:15	0		3	0		3	0	6	
12:30	0		3	0		4	0	7	
12:45	0	0	7	18	0	0	7	17	0
01:00	0		4	0		1	0	5	
01:15	0		3	0		1	0	4	
01:30	0		1	0		0	0	1	
01:45	0	0	4	12	0	0	2	4	0
02:00	0		6	0		0	0	6	
02:15	0		6	0		1	0	7	
02:30	0		4	0		4	0	8	
02:45	0	0	6	22	0	0	4	9	0
03:00	0		5	0		2	0	7	
03:15	1		6	0		2	1	8	
03:30	0		9	0		4	0	13	
03:45	0	1	7	27	0	0	4	12	0
04:00	0		15	0		2	0	17	
04:15	0		9	0		3	0	12	
04:30	0		7	0		2	0	9	
04:45	0	0	7	38	0	0	1	8	0
05:00	0		2	0		2	0	4	
05:15	0		6	1		1	1	7	
05:30	0		6	0		0	0	6	
05:45	0	0	6	20	0	1	2	5	0
06:00	0		6	0		3	0	9	
06:15	0		1	2		1	2	2	
06:30	0		3	1		2	1	5	
06:45	0	0	1	11	1	4	2	8	1
07:00	4	1		2		2	6	3	
07:15	2	0		0		0	2	0	
07:30	3	2		1		1	4	3	
07:45	0	9	0	3	3	6	0	3	19
08:00	1	3		2		0	3	3	
08:15	1	2		0		0	1	2	
08:30	0	1		3		1	3	2	
08:45	4	6	1	7	0	5	0	11	1
09:00	4	1		2		0	6	1	
09:15	3	0		2		1	5	1	
09:30	1	0		3		0	4	0	
09:45	3	11	0	1	4	11	0	1	2
10:00	3	0		4		0	7	0	
10:15	2	0		4		1	6	1	
10:30	2	0		2		0	4	0	
10:45	6	13	0	0	2	12	0	1	0
11:00	2	0		1		0	3	0	
11:15	2	0		4		0	6	0	
11:30	2	0		1		0	3	0	
11:45	4	10	0	0	3	9	0	7	0
Total	50		159	48		69	98	228	
Percent	51.0%		69.7%	49.0%		30.3%			
Day Total		209		117			326		
Peak Vol.	10:00 13	-	03:30 40	-	09:30 15	-	12:00 17	-	10:00 25
P.H.F.	0.542		0.667		0.938		0.607		0.781
									0.779

Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners



46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Volume  
Site Code: TBA

Start	EB		WB		Combin ed		15-Oct-16 Sat
Time	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	0	6	0	0	0	6	
12:15	0	2	0	1	0	3	
12:30	0	0	0	0	0	0	
12:45	0	1	9	0	2	3	12
01:00	0	0	0	1	0	1	
01:15	0	3	0	3	0	6	
01:30	0	3	0	2	0	5	
01:45	0	3	9	0	3	9	18
02:00	0	4	0	1	0	5	
02:15	0	2	0	4	0	6	
02:30	0	2	0	1	0	3	
02:45	0	0	8	0	1	7	15
03:00	0	1	0	2	0	3	
03:15	1	3	0	5	1	8	
03:30	0	7	0	0	0	7	
03:45	0	1	16	0	4	11	27
04:00	0	5	0	0	0	5	
04:15	0	2	0	2	0	4	
04:30	0	3	0	1	0	4	
04:45	0	0	10	0	0	0	13
05:00	0	1	0	1	0	2	
05:15	0	2	0	2	0	4	
05:30	0	1	0	0	0	1	
05:45	0	1	5	0	1	4	9
06:00	0	0	0	3	0	3	
06:15	0	1	1	1	1	2	
06:30	0	2	0	1	0	3	
06:45	0	0	3	0	1	0	8
07:00	0	3	1	1	1	4	
07:15	0	0	1	0	1	0	
07:30	1	2	0	1	1	3	
07:45	1	2	5	2	4	0	7
08:00	1	0	2	0	3	0	
08:15	0	1	2	2	2	3	
08:30	1	1	0	0	1	1	
08:45	1	3	1	4	0	7	5
09:00	3	0	0	0	3	0	
09:15	3	0	0	0	3	0	
09:30	4	0	2	1	6	1	
09:45	5	15	0	1	3	0	1
10:00	1	1	1	1	2	2	
10:15	2	0	1	0	3	0	
10:30	2	0	3	0	5	0	
10:45	2	7	0	1	4	14	2
11:00	4	0	3	0	7	0	
11:15	8	0	5	0	13	0	
11:30	6	0	1	0	7	0	
11:45	6	24	0	1	10	0	0
Total	52	69	29	48	81	117	
Percent	64.2%	59.0%	35.8%	41.0%			
Day Total	121		77		198		
Peak Vol.	11:00	- 03:15	- 10:30	- 03:00	- 11:00	- 03:15	- - -
P.H.F.	24	- 20	- 13	- 11	- 34	- 29	- - -
	0.750	0.714	0.650	0.550	0.654	0.806	



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Email: datarequests@pdillc.com

165313 A Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
01:00	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
03:00	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
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	3	0	0	0	0	0	0	0	0	0	0	4
08:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
09:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
10:00	0	7	5	0	1	0	0	0	0	0	0	0	0	13
11:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
12 PM	0	12	4	0	1	0	0	0	0	0	0	0	0	17
13:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11
14:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11
15:00	0	18	2	0	1	0	0	0	0	0	0	0	0	21
16:00	0	31	1	0	0	0	0	0	0	0	0	0	0	32
17:00	0	16	3	0	1	0	0	0	0	0	0	0	0	20
18:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
19:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
20:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
21:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	129	30	0	4	0	0	0	0	0	0	0	0	163
Percent	0.0%	79.1%	18.4%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		10:00	10:00		10:00									10:00
PM Peak Vol.		7	5		1									13
PM Peak Vol.		16:00	12:00		12:00									16:00
PM Peak Vol.		31	4		1									32



Codger Lane  
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Email: datarequests@pdillc.com

165313 A Class  
Site Code: TBA

**EB**

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
01:00	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
03:00	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
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
07:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10
08:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10
09:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8
10:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
11:00	0	11	4	0	2	0	0	0	0	0	0	0	0	17
12 PM	0	14	4	0	0	0	0	1	0	0	0	0	0	19
13:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7
14:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14
15:00	0	23	3	0	0	0	0	0	0	0	0	0	0	26
16:00	2	34	7	0	1	0	0	0	0	0	0	0	0	44
17:00	0	29	2	0	0	0	0	0	0	0	0	0	0	31
18:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
19:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
20:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	170	34	0	4	0	0	1	0	0	0	0	0	211
Percent	0.9%	80.6%	16.1%	0.0%	1.9%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		11:00	11:00		11:00									11:00
PM Peak Vol.		11	4		2									17
PM Peak Vol.	16:00	16:00	16:00		13:00			12:00						16:00
	2	34	7		1			1						44



Codger Lane  
east of Union Avenue  
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165313 A Class  
Site Code: TBA

**EB**

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	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
03:00	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
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	1	5	3	0	0	0	0	0	0	0	0	0	0	9
08:00	0	3	2	0	1	0	0	0	0	0	0	0	0	6
09:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
10:00	0	12	0	0	1	0	0	0	0	0	0	0	0	13
11:00	0	7	2	0	1	0	0	0	0	0	0	0	0	10
12 PM	0	14	4	0	0	0	0	0	0	0	0	0	0	18
13:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12
14:00	1	19	2	0	0	0	0	0	0	0	0	0	0	22
15:00	0	23	4	0	0	0	0	0	0	0	0	0	0	27
16:00	0	34	4	0	0	0	0	0	0	0	0	0	0	38
17:00	0	18	2	0	0	0	0	0	0	0	0	0	0	20
18:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
19:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
20:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	173	31	0	3	0	0	0	0	0	0	0	0	209
Percent	1.0%	82.8%	14.8%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	10:00	07:00		08:00									10:00
PM Peak Vol.	1	12	3		1									13
PM Peak Vol.	14:00	16:00	12:00											16:00
PM Peak Vol.	1	34	4											38



Codger Lane  
east of Union Avenue  
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165313 A Class  
Site Code: TBA

**EB**

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
6	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
02:00	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	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
08:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
09:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
10:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
11:00	0	19	5	0	0	0	0	0	0	0	0	0	0	24
12 PM	0	9	0	0	0	0	0	0	0	0	0	0	0	9
13:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9
14:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8
15:00	0	15	1	0	0	0	0	0	0	0	0	0	0	16
16:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
17:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
18:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
19:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
20:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	106	14	0	1	0	0	0	0	0	0	0	0	121
Percent	0.0%	87.6%	11.6%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		11:00	11:00											11:00
PM Peak Vol.		19	5											24
PM Peak Vol.		15:00	13:00		13:00									15:00
PM Peak Vol.		15	1		1									16



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165313 A Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
01:00	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
03:00	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
05:00	0	1	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	3
07:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
08:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
09:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6
10:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
11:00	0	6	0	0	1	0	0	0	0	0	0	0	0	7
12 PM	1	4	2	0	1	0	0	0	0	0	0	0	0	8
13:00	0	5	5	1	0	0	0	0	0	0	0	0	0	11
14:00	0	3	2	0	1	0	0	0	0	0	0	0	0	6
15:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
16:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
17:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
18:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
19:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
20:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	63	18	1	3	0	0	0	0	0	0	0	0	86
Percent	1.2%	73.3%	20.9%	1.2%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		10:00	09:00		11:00									07:00
		7	3		1									7
PM Peak Vol.	12:00	17:00	13:00	13:00	12:00									13:00
	1	7	5	1	1									11



Codger Lane  
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165313 A Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
6	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
02:00	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
04:00	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
06:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
07:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
08:00	0	7	0	0	1	0	0	0	0	0	0	0	0	8
09:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
10:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
11:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6
12 PM	0	15	0	0	0	1	0	0	0	0	0	0	0	16
13:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
14:00	0	6	1	1	1	0	0	0	0	0	0	0	0	9
15:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12
16:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12
17:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
18:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
19:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	85	12	1	3	1	0	0	0	0	0	0	0	102
Percent	0.0%	83.3%	11.8%	1.0%	2.9%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		08:00	06:00		08:00									08:00
		7	2		1									8
PM Peak Vol.		12:00	15:00	14:00	14:00	12:00								12:00
		15	2	1	1	1								16



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 A Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	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
03:00	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
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
07:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
08:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
09:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11
10:00	0	9	2	0	0	1	0	0	0	0	0	0	0	12
11:00	0	6	2	0	1	0	0	0	0	0	0	0	0	9
12 PM	1	14	2	0	0	0	0	0	0	0	0	0	0	17
13:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4
14:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
15:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12
16:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
17:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
18:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8
19:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
20:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	92	22	0	1	1	0	0	0	0	0	0	0	117
Percent	0.9%	78.6%	18.8%	0.0%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		10:00	09:00		11:00	10:00								10:00
		9	4		1	1								12
PM Peak Vol.	12:00	12:00	18:00											12:00
	1	14	3											17



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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Email: datarequests@pdillc.com

165313 A Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
6	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
02:00	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
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	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	1
07:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
08:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
09:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
10:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
11:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
12 PM	0	2	1	0	0	0	0	0	0	0	0	0	0	3
13:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
14:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
15:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
16:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
17:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
18:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
19:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
20:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	68	9	0	0	0	0	0	0	0	0	0	0	77
Percent	0.0%	88.3%	11.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		11:00	07:00											11:00
PM Peak Vol.		9	1											10
PM Peak Vol.		15:00	15:00											15:00
PM Peak Vol.		9	2											11



Codger Lane  
east of Union Avenue  
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Client: VHB/ K. Wenners

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Email: datarequests@pdillc.com

165313 A Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	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	0	0	*	*
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	<b>1</b>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	15
07:00	0	0	<b>2</b>	2	0	0	0	0	0	0	0	0	0	0	0	0	4	27	25
08:00	0	1	1	2	<b>3</b>	0	0	0	0	0	0	0	0	0	0	0	7	32	27
09:00	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	7	32	28
10:00	1	<b>2</b>	2	<b>8</b>	0	0	0	0	0	0	0	0	0	0	0	0	<b>13</b>	27	23
11:00	1	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	6	29	23
12 PM	<b>2</b>	1	6	6	2	0	0	0	0	0	0	0	0	0	0	0	17	28	23
13:00	1	1	0	6	2	<b>1</b>	0	0	0	0	0	0	0	0	0	0	11	32	26
14:00	0	<b>3</b>	4	4	0	0	0	0	0	0	0	0	0	0	0	0	11	26	22
15:00	1	1	3	10	<b>5</b>	1	0	0	0	0	0	0	0	0	0	0	21	31	27
16:00	1	1	<b>9</b>	<b>17</b>	3	1	0	0	0	0	0	0	0	0	0	0	<b>32</b>	28	25
17:00	2	1	6	7	4	0	0	0	0	0	0	0	0	0	0	0	20	30	24
18:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	31	27
19:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
20:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	27	25
21:00	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3	31	25
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
Total	10	12	41	72	25	3	0	0	0	0	0	0	0	0	0	0	163		
%	6.1%	7.4%	25.2%	44.2%	15.3%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	06:00	10:00	07:00	10:00	08:00												10:00		
PM Peak Vol.	1	2	2	8	3												13		
	12:00	14:00	16:00	16:00	15:00	13:00											16:00		
	2	3	9	17	5	1											32		

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 29 MPH  
                       95th Percentile : 32 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 113  
 Percent in Pace : 69.3%  
 Number of Vehicles > 30 MPH : 23  
 Percent of Vehicles > 30 MPH : 14.1%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 A Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	39	40	45	49	50	55	59	60	64	65	69	70	9999	Total	85th % ile	Ave Speed
<b>10/13/</b>																								
16	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	22	
07:00	0	2	<b>3</b>	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	27	24	
08:00	0	2	2	3	<b>3</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	31	25	
09:00	<b>1</b>	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	31	25	
10:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	29	25	
11:00	1	<b>4</b>	3	<b>8</b>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>17</b>	28	23	
12 PM	1	1	5	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	29	25	
13:00	0	1	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	31	25	
14:00	1	2	8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	28	22	
15:00	0	1	16	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	27	24	
16:00	<b>2</b>	<b>6</b>	<b>17</b>	10	<b>9</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>44</b>	30	24	
17:00	1	3	10	<b>13</b>	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	28	24	
18:00	0	0	3	3	2	<b>2</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	10	35	29		
19:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	30	26		
20:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	37	32	
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
Total	7	23	76	70	31	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211			
%	3.3%	10.9%	36.0%	33.2%	14.7%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	09:00	11:00	07:00	11:00	08:00																	11:00		
PM Peak Vol.	1	4	3	8	3																	17		
	16:00	16:00	16:00	17:00	16:00	18:00																16:00		
	2	6	17	13	9	2																44		

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 23 MPH  
                       85th Percentile : 29 MPH  
                       95th Percentile : 32 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 146  
 Percent in Pace : 69.2%  
 Number of Vehicles > 30 MPH : 29  
 Percent of Vehicles > 30 MPH : 13.6%



Codger Lane  
east of Union Avenue  
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Client: VHB/ K. Wenners

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Email: datarequests@pdilc.com

165313 A Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	<b>1</b>	1	2	4	1	0	0	0	0	0	0	0	0	0	0	9	28	23	
08:00	1	1	2	0	2	0	0	0	0	0	0	0	0	0	0	6	31	22	
09:00	0	1	1	<b>5</b>	<b>3</b>	<b>1</b>	0	0	0	0	0	0	0	0	0	11	32	28	
10:00	1	<b>2</b>	4	4	2	0	0	0	0	0	0	0	0	0	0	<b>13</b>	29	23	
11:00	0	1	<b>5</b>	1	3	0	0	0	0	0	0	0	0	0	0	10	31	25	
12 PM	<b>2</b>	3	2	10	1	0	0	0	0	0	0	0	0	0	0	18	28	23	
13:00	0	1	2	5	3	1	0	0	0	0	0	0	0	0	0	12	32	27	
14:00	0	<b>4</b>	4	8	<b>6</b>	0	0	0	0	0	0	0	0	0	0	22	31	26	
15:00	0	3	8	13	2	1	0	0	0	0	0	0	0	0	0	27	28	25	
16:00	1	2	<b>9</b>	<b>20</b>	3	<b>3</b>	0	0	0	0	0	0	0	0	0	<b>38</b>	29	26	
17:00	0	2	5	10	2	1	0	0	0	0	0	0	0	0	0	20	29	26	
18:00	1	1	1	6	2	0	0	0	0	0	0	0	0	0	0	11	29	25	
19:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	32	30	
20:00	0	2	1	4	0	0	0	0	0	0	0	0	0	0	0	7	27	23	
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
Total		7	24	46	93	32	7	0	0	0	0	0	0	0	0	0	209		
%	3.3%	11.5%	22.0%	44.5%	15.3%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
AM Peak Vol.	07:00	10:00	11:00	09:00	09:00	09:00											10:00		
PM Peak Vol.	1	2	5	5	3	1											13		
	12:00	14:00	16:00	16:00	14:00	16:00											16:00		
	2	4	9	20	6	3											38		

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 30 MPH  
                       95th Percentile : 33 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 139  
 Percent in Pace : 66.5%  
 Number of Vehicles > 30 MPH : 33  
 Percent of Vehicles > 30 MPH : 15.6%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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165313 A Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
07:00	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	2	28	27
08:00	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	31	25
09:00	0	0	6	5	3	1	0	0	0	0	0	0	0	0	0	0	15	31	27
10:00	1	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	7	28	24
11:00	0	0	8	10	5	1	0	0	0	0	0	0	0	0	0	0	24	31	27
12 PM	0	0	2	4	1	2	0	0	0	0	0	0	0	0	0	0	9	35	29
13:00	1	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	9	33	25
14:00	1	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	8	27	21
15:00	0	1	5	9	1	0	0	0	0	0	0	0	0	0	0	0	16	28	25
16:00	0	0	1	8	1	0	0	0	0	0	0	0	0	0	0	0	10	28	27
17:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	5	27	23
18:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	27	25
19:00	1	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	5	25	20
20:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3	31	29
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
Total	4	4	37	54	17	5	0	0	0	0	0	0	0	0	0	0	121		
%	3.3%	3.3%	30.6%	44.6%	14.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00		11:00	11:00	11:00	09:00											11:00		
PM Peak Vol.	1		8	10	5	1											24		
	13:00	13:00	15:00	15:00	13:00	12:00											15:00		
	1	1	5	9	2	2											16		

Stats                    15th Percentile : 20 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 30 MPH  
                       95th Percentile : 33 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 91  
 Percent in Pace : 75.2%  
 Number of Vehicles > 30 MPH : 19  
 Percent of Vehicles > 30 MPH : 15.4%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	39	40	44	45	49	50	54	55	59	60	64	65	69	70	9999	Total	85th % ile	Ave Speed
<b>10/12/</b>																										
16	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	33	32	
06:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	26	22	
07:00	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	28	26	
08:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	31	27	
09:00	0	1	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	32	29	
10:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	27	23	
11:00	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	31	27	
12 PM	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	23	20	
13:00	0	1	3	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	32	27	
14:00	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	31	28	
15:00	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	27	21	
16:00	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	30	25	
17:00	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	27	23	
18:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	28	27	
19:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	32	27	
20:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	27	25	
21:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	33	32	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
Total	2	8	27	32	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86			
%	2.3%	9.3%	31.4%	37.2%	18.6%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
AM Peak Vol.		06:00	10:00	07:00	09:00																			07:00		
PM Peak Vol.		1	3	4	4																			7		
	12:00	17:00	12:00	13:00	13:00	13:00																		13:00		
	1	2	5	4	2	1																		11		

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 24 MPH  
                       85th Percentile : 30 MPH  
                       95th Percentile : 32 MPH  
  
                       Mean Speed(Average) : 25 MPH  
                       10 MPH Pace Speed : 20-29 MPH  
                       Number in Pace : 59  
                       Percent in Pace : 68.6%  
                       Number of Vehicles > 30 MPH : 14  
                       Percent of Vehicles > 30 MPH : 16.0%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 A Speed  
Site Code: TBA

WB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																		
16:00	0	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	0	*	*
02:00	0	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	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	33	32
06:00	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5	32	28
07:00	0	0	3	2	1	0	0	0	0	0	0	0	0	0	0	6	29	25
08:00	0	0	3	3	2	0	0	0	0	0	0	0	0	0	0	8	31	26
09:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5	30	24
10:00	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	6	27	25
11:00	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	6	34	26
12 PM	0	2	6	7	1	0	0	0	0	0	0	0	0	0	0	16	27	24
13:00	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	5	35	30
14:00	0	2	2	4	1	0	0	0	0	0	0	0	0	0	0	9	28	24
15:00	0	3	2	4	3	0	0	0	0	0	0	0	0	0	0	12	31	25
16:00	1	0	2	6	3	0	0	0	0	0	0	0	0	0	0	12	31	26
17:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	31	27
18:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	27	25
19:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	32	27
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	8
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total %	2.0%	8.8%	30.4%	37.3%	19.6%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	102		
AM Peak Vol.		09:00	07:00	08:00	06:00	11:00										08:00		
PM Peak Vol.	16:00	15:00	12:00	12:00	15:00	13:00										12:00		
	1	3	6	7	3	1										16		

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 30 MPH  
                       95th Percentile : 33 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 69  
 Percent in Pace : 67.6%  
 Number of Vehicles > 30 MPH : 18  
 Percent of Vehicles > 30 MPH : 17.6%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 A Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	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	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
06:00	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	28	27	
07:00	0	0	1	4	1	0	0	0	0	0	0	0	0	0	0	6	29	27	
08:00	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5	30	27	
09:00	0	0	6	4	1	0	0	0	0	0	0	0	0	0	0	11	28	25	
10:00	1	0	4	4	2	1	0	0	0	0	0	0	0	0	0	12	31	25	
11:00	0	1	2	4	2	0	0	0	0	0	0	0	0	0	0	9	30	26	
12 PM	2	1	6	3	4	1	0	0	0	0	0	0	0	0	0	17	32	24	
13:00	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	4	31	21	
14:00	0	0	5	3	1	0	0	0	0	0	0	0	0	0	0	9	28	25	
15:00	1	0	1	5	3	2	0	0	0	0	0	0	0	0	0	12	34	28	
16:00	0	1	2	3	2	0	0	0	0	0	0	0	0	0	0	8	31	26	
17:00	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	5	27	25	
18:00	1	0	1	4	2	0	0	0	0	0	0	0	0	0	0	8	31	25	
19:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	31	27	
20:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	17	
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	23	22	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
Total	6	5	33	48	21	4	0	0	0	0	0	0	0	0	0	117			
%	5.1%	4.3%	28.2%	41.0%	17.9%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00	11:00	09:00	06:00	10:00	10:00										10:00			
	1	1	6	4	2	1										12			
PM Peak Vol.	12:00	12:00	12:00	15:00	12:00	15:00										12:00			
	2	1	6	5	4	2										17			

Stats                    15th Percentile : 19 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 30 MPH  
                       95th Percentile : 33 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 20-29 MPH  
 Number in Pace : 81  
 Percent in Pace : 69.2%  
 Number of Vehicles > 30 MPH : 21  
 Percent of Vehicles > 30 MPH : 17.8%



Codger Lane  
east of Union Avenue  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 A Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	39	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																				
16	0	0	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	0	0	*	*	
02:00	0	0	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	0	0	*	*	
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
06:00	0	0	0	0	<b>1</b>	0	0	0	0	0	0	0	0	0	0	0	<b>1</b>	33	32	
07:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	27	25	
08:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	27	25	
09:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	28	27	
10:00	0	<b>1</b>	<b>3</b>	3	0	0	0	0	0	0	0	0	0	0	0	0	<b>7</b>	27	23	
11:00	0	0	3	<b>6</b>	1	0	0	0	0	0	0	0	0	0	0	0	<b>10</b>	28	26	
12 PM	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	32	29	
13:00	0	<b>3</b>	3	3	0	0	0	0	0	0	0	0	0	0	0	0	9	26	22	
14:00	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	7	28	24	
15:00	0	0	<b>4</b>	<b>4</b>	<b>3</b>	0	0	0	0	0	0	0	0	0	0	0	<b>11</b>	31	27	
16:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	27	25	
17:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	27	25	
18:00	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	5	27	25	
19:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	27	25	
20:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18	17	
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	22	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	
Total	0	0	7	28	34	8	0	0	0	0	0	0	0	0	0	0	77			
%	0.0%	9.1%	36.4%	44.2%	10.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		10:00	10:00	11:00	06:00													11:00		
PM Peak Vol.		1	3	6	1													10		

Stats	15th Percentile :	19 MPH
	50th Percentile :	24 MPH
	85th Percentile :	28 MPH
	95th Percentile :	31 MPH
	Mean Speed(Average) :	25 MPH
	10 MPH Pace Speed :	20-29 MPH
	Number in Pace :	62
	Percent in Pace :	80.5%
	Number of Vehicles > 30 MPH :	6
	Percent of Vehicles > 30 MPH :	8.3%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wengers

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Volume  
Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	2	4	0	4	2	3	2	2	*	*	*	*	*	*	2	3
01:00	1	3	3	1	3	0	1	5	*	*	*	*	*	*	2	2
02:00	0	0	0	0	0	0	4	1	*	*	*	*	*	*	1	0
03:00	0	0	1	1	0	1	1	6	*	*	*	*	*	*	0	2
04:00	1	1	2	3	3	0	1	0	*	*	*	*	*	*	2	1
05:00	28	9	29	6	26	2	8	2	*	*	*	*	*	*	23	5
06:00	127	28	157	35	162	31	19	12	*	*	*	*	*	*	116	26
07:00	346	55	533	81	435	78	88	27	*	*	*	*	*	*	350	60
08:00	395	80	590	67	441	66	148	49	*	*	*	*	*	*	394	66
09:00	227	92	288	89	199	84	205	113	*	*	*	*	*	*	230	94
10:00	112	103	146	116	139	119	183	169	*	*	*	*	*	*	145	127
11:00	157	122	137	108	128	125	184	157	*	*	*	*	*	*	152	128
12:00 PM	152	152	128	132	148	139	192	183	*	*	*	*	*	*	155	152
01:00	112	120	121	142	119	135	156	167	*	*	*	*	*	*	127	141
02:00	132	145	164	165	130	156	209	139	*	*	*	*	*	*	159	151
03:00	198	193	185	198	166	197	144	161	*	*	*	*	*	*	173	187
04:00	162	248	216	315	173	282	177	131	*	*	*	*	*	*	182	244
05:00	215	375	234	423	228	397	144	122	*	*	*	*	*	*	205	329
06:00	144	211	151	252	179	257	85	131	*	*	*	*	*	*	140	213
07:00	54	104	73	115	74	102	72	73	*	*	*	*	*	*	68	98
08:00	38	78	32	86	43	75	25	54	*	*	*	*	*	*	34	73
09:00	17	43	31	57	21	66	27	51	*	*	*	*	*	*	24	54
10:00	6	16	7	21	14	32	14	35	*	*	*	*	*	*	10	26
11:00	4	7	3	6	5	10	12	24	*	*	*	*	*	*	6	12
Total Day	2630	2189	3231	2423	2838	2357	2101	1814	0	0	0	0	0	0	2700	2194
AM Peak Vol.	08:00	11:00	08:00	10:00	08:00	11:00	09:00	10:00	-	-	-	-	-	-	08:00	11:00
PM Peak Vol.	17:00	17:00	17:00	17:00	17:00	17:00	14:00	12:00	-	-	-	-	-	-	17:00	17:00
Comb. Total	4819		5654		5195		3915		0		0		0		4894	
ADT	ADT 4,896		AADT 4,896												4894	



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdillc.com

165313 B Volume  
Site Code: TBA

Start Time	EB		WB		Combined		12-Oct-16 Wed
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	0	37	2	29	2	66	
12:15	0	40	2	50	2	90	
12:30	2	32	0	39	2	71	
12:45	0	2	43	152	0	6	77
01:00	0	29	2	28	2	57	304
01:15	0	30	0	31	0	61	
01:30	0	25	0	26	0	51	
01:45	1	1	28	112	1	4	63
02:00	0	24	0	27	0	51	232
02:15	0	31	0	42	0	73	
02:30	0	28	0	41	0	69	
02:45	0	0	49	132	0	0	84
03:00	0	37	0	46	0	83	277
03:15	0	55	0	41	0	96	
03:30	0	53	0	55	0	108	
03:45	0	0	53	198	0	0	104
04:00	0	42	1	53	1	95	391
04:15	0	49	0	55	0	104	
04:30	0	31	0	61	0	92	
04:45	1	1	40	162	0	2	119
05:00	7	48	0	104	7	152	
05:15	4	53	2	117	6	170	
05:30	7	56	1	75	8	131	
05:45	10	28	58	215	6	37	137
06:00	10	32	4	73	14	105	590
06:15	15	30	4	44	19	74	
06:30	35	46	10	57	45	103	
06:45	67	127	36	144	10	77	355
07:00	65	13	8	36	73	49	
07:15	79	20	10	33	89	53	
07:30	89	11	17	19	106	30	
07:45	113	346	10	54	20	133	158
08:00	99	10	23	16	104	401	
08:15	88	9	30	22	122	26	
08:30	111	10	9	24	118	31	
08:45	97	395	9	38	18	120	
09:00	58	2	22	20	80	34	
09:15	71	9	19	4	90	22	
09:30	52	3	24	10	76	13	
09:45	46	227	3	17	27	319	60
10:00	23	0	26	92	9	49	
10:15	32	0	20	6	52	6	
10:30	34	3	31	2	65	2	
10:45	23	112	3	6	16	215	8
11:00	47	3	33	3	49	6	22
11:15	37	0	31	2	80	5	
11:30	43	1	28	0	68	0	
11:45	30	157	0	4	71	3	
Total	1396	1234	497	1692	1893	2926	
Percent	73.7%	42.2%	26.3%	57.8%			
Day Total	2630		2189		4819		
Peak Vol.	07:45 411	- 05:00 215	- 11:00 122	- 04:45 375	- 07:45 493	- 05:00 590	- - -
P.H.F.	0.909	0.927	0.924	0.801	0.927	0.868	



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165313 B Volume  
Site Code: TBA

Start Time	EB		WB		Combin ed		13-Oct-16 Thu
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	0	31	1	41	1	72	
12:15	0	24	1	33	1	57	
12:30	0	35	1	29	1	64	
12:45	0	0	128	1	4	132	1 260
01:00	0	34	0	37	0	71	
01:15	0	34	0	37	0	71	
01:30	1	23	0	33	1	56	
01:45	2	3	30	121	1	35	142 263
02:00	0	30	0	33	0	63	
02:15	0	47	0	42	0	89	
02:30	0	42	0	46	0	88	
02:45	0	0	45	164	0	44	165 329
03:00	1	35	0	48	1	83	
03:15	0	45	0	41	0	86	
03:30	0	55	1	65	1	120	
03:45	0	1	50	185	0	44	198 383
04:00	0	41	1	67	1	108	
04:15	1	51	0	66	1	117	
04:30	0	54	2	83	2	137	
04:45	1	2	70	216	0	99	315 531
05:00	4	43	0	130	4	173	
05:15	5	69	2	96	7	165	
05:30	9	74	1	106	10	180	
05:45	11	29	48	234	3	91	423 657
06:00	10	46	4	104	14	150	
06:15	18	35	3	70	21	105	
06:30	44	31	10	53	54	84	
06:45	85	157	39	151	18	35	252 403
07:00	105	24	14	38	119	62	
07:15	109	25	26	27	135	52	
07:30	145	11	23	24	168	35	
07:45	174	533	13	73	18	81	115 188
08:00	169	8	15	27	184	35	
08:15	152	12	16	29	168	41	
08:30	136	4	13	13	149	17	
08:45	133	590	8	32	23	67	17 118
09:00	103	18	28	17	131	35	
09:15	87	8	20	12	107	20	
09:30	41	1	20	15	61	16	
09:45	57	288	4	31	21	89	13 88
10:00	38	1	32	5	70	6	
10:15	41	0	27	8	68	8	
10:30	31	2	27	7	58	9	
10:45	36	146	4	7	30	116	1 28
11:00	42	1	18	4	60	5	
11:15	26	1	30	0	56	1	
11:30	27	0	26	0	53	0	
11:45	42	137	1	3	34	108	2 9
Total	1886	1345	511	1912	2397	3257	
Percent	78.7%	41.3%	21.3%	58.7%			
Day Total	3231		2423		5654		
Peak Vol.	07:30	-	04:45	-	10:00	-	04:45
P.H.F.	640	-	256	-	116	-	687
	0.920		0.865		0.906	-	0.954
					0.829	0.927	



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165313 B Volume  
Site Code: TBA

Start	EB			WB			Combined		14-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Fri
12:00	0		33	1		44	1	77	
12:15	1		44	1		35	2	79	
12:30	1		32	0		24	1	56	
12:45	0	2	39	148	1	3	36	139	287
01:00	1		24	0		40	1	64	
01:15	0		27	0		28	0	55	
01:30	1		29	0		24	1	53	
01:45	1	3	39	119	0	0	43	135	254
02:00	0		26	0		47	0	73	
02:15	0		37	0		26	0	63	
02:30	0		31	0		40	0	71	
02:45	0	0	36	130	0	0	43	156	286
03:00	0		50	0		41	0	91	
03:15	0		34	0		46	0	80	
03:30	0		43	1		51	1	94	
03:45	0	0	39	166	0	1	59	197	363
04:00	1		48	0		59	1	107	
04:15	0		44	0		69	0	113	
04:30	0		48	0		77	0	125	
04:45	2	3	33	173	0	0	77	282	455
05:00	1		39	1		113	2	152	
05:15	3		52	0		113	3	165	
05:30	10		81	0		92	10	173	
05:45	12	26	56	228	1	2	79	397	625
06:00	11		46	1		92	12	138	
06:15	23		47	7		69	30	116	
06:30	40		56	10		51	50	107	
06:45	88	162	30	179	13	31	45	257	436
07:00	81		24	16		30	97	54	
07:15	88		16	22		32	110	48	
07:30	127		18	22		23	149	41	
07:45	139	435	16	74	18	78	17	102	176
08:00	104		17	18		27	122	44	
08:15	86		10	21		21	107	31	
08:30	125		5	14		14	139	19	
08:45	126	441	11	43	13	66	13	507	118
09:00	63		6	29		15	92	21	
09:15	52		4	17		19	69	23	
09:30	45		9	19		15	64	24	
09:45	39	199	2	21	19	84	17	66	87
10:00	44		6	24		11	68	17	
10:15	35		4	24		8	59	12	
10:30	28		0	29		8	57	8	
10:45	32	139	4	14	42	119	5	32	46
11:00	32		4	37		4	69	8	
11:15	31		0	28		3	59	3	
11:30	25		0	34		3	59	3	
11:45	40		128	1	5	26	125	0	15
Total	1538		1300		509		1848	2047	3148
Percent	75.1%		41.3%		24.9%		58.7%		
Day Total			2838		2357			5195	
Peak Vol.	07:15	-	05:15	-	10:45	-	05:00	-	05:00
P.H.F.	458	-	235	-	141	-	397	-	625
	0.824		0.725		0.839		0.878		0.903



Old Lancaster Road between  
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165313 B Volume  
Site Code: TBA

Start	EB			WB			Combined		15-Oct-16 Sat
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	
12:00	0		45	1		44	1	89	
12:15	0		41	0		50	0	91	
12:30	2		54	1		40	3	94	
12:45	0	2	52	192	0	2	49	183	375
01:00	0		47	1		40	1	87	
01:15	1		46	2		43	3	89	
01:30	0		30	1		42	1	72	
01:45	0	1	33	156	1	5	42	167	323
02:00	0		33	0		42	0	75	
02:15	3		50	0		32	3	82	
02:30	1		62	0		35	1	97	
02:45	0	4	64	209	1	1	30	139	348
03:00	0		44	1		30	1	74	
03:15	0		32	2		42	2	74	
03:30	1		36	1		45	2	81	
03:45	0	1	32	144	2	6	44	161	305
04:00	0		25	0		36	0	61	
04:15	1		34	0		24	1	58	
04:30	0		52	0		33	0	85	
04:45	0	1	66	177	0	0	38	131	308
05:00	1		42	0		44	1	86	
05:15	3		36	1		35	4	71	
05:30	2		32	0		25	2	57	
05:45	2	8	34	144	1	2	18	122	266
06:00	3		25	0		46	3	71	
06:15	0		23	2		35	2	58	
06:30	6		21	3		25	9	46	
06:45	10	19	16	85	7	12	25	131	216
07:00	13		22	6		24	19	46	
07:15	19		24	4		13	23	37	
07:30	24		10	7		17	31	27	
07:45	32	88	16	72	10	27	19	73	145
08:00	26		13	11		13	37	26	
08:15	33		2	13		13	46	15	
08:30	43		0	10		16	53	16	
08:45	46	148	10	25	15	49	12	54	22
09:00	46		10		23		11	69	79
09:15	61		4		18		11	79	15
09:30	50		7		27		19	77	26
09:45	48	205	6	27	45	113	10	51	318
10:00	48		6		41		13	89	19
10:15	45		5		42		11	87	16
10:30	37		2		34		6	71	8
10:45	53	183	1	14	52	169	5	35	352
11:00	41		3		42		7	83	10
11:15	43		5		38		4	81	9
11:30	44		1		45		11	89	12
11:45	56	184	3	12	32	157	2	24	341
Total	844		1257		543		1271	1387	2528
Percent	60.9%		49.7%		39.1%		50.3%		
Day Total		2101			1814			3915	
Peak Vol.	09:15 207	-	02:15 220	-	10:45 177	-	12:00 183	-	10:45 358
P.H.F.	0.848		0.859		0.851		0.915		0.852
									0.928



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165313 B Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	2	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	26	2	0	0	0	0	0	0	0	0	0	0	28
06:00	2	100	22	0	2	0	0	1	0	0	0	0	0	127
07:00	1	278	57	1	6	2	0	0	1	0	0	0	0	346
08:00	2	349	32	2	6	1	0	3	0	0	0	0	0	395
09:00	0	191	31	0	4	0	1	0	0	0	0	0	0	227
10:00	2	77	22	1	3	1	1	2	3	0	0	0	0	112
11:00	1	117	28	0	8	0	1	1	1	0	0	0	0	157
12 PM	2	108	32	0	5	1	0	4	0	0	0	0	0	152
13:00	1	91	12	0	7	0	0	1	0	0	0	0	0	112
14:00	1	100	24	0	5	0	0	2	0	0	0	0	0	132
15:00	1	148	43	0	2	2	0	0	2	0	0	0	0	198
16:00	2	135	21	0	3	0	0	0	1	0	0	0	0	162
17:00	5	178	30	0	0	2	0	0	0	0	0	0	0	215
18:00	1	122	20	0	1	0	0	0	0	0	0	0	0	144
19:00	0	49	5	0	0	0	0	0	0	0	0	0	0	54
20:00	0	30	7	0	1	0	0	0	0	0	0	0	0	38
21:00	0	16	1	0	0	0	0	0	0	0	0	0	0	17
22:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Total	21	2129	389	4	53	9	3	14	8	0	0	0	0	2630
Percent	0.8%	81.0%	14.8%	0.2%	2.0%	0.3%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	06:00	08:00	07:00	08:00	11:00	07:00	09:00	08:00	10:00					08:00
PM Peak Vol.	2	349	57	2	8	2	1	3	3					395
PM Peak Vol.	17:00	17:00	15:00		13:00	15:00		12:00	15:00					17:00
	5	178	43		7	2		4	2					215



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165313 B Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
06:00	6	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	3	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
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	27	1	0	1	0	0	0	0	0	0	0	29
06:00	0	128	26	1	1	1	0	0	0	0	0	0	0	157
07:00	4	429	82	5	9	2	0	1	1	0	0	0	0	533
08:00	1	504	65	3	15	1	0	1	0	0	0	0	0	590
09:00	2	219	55	0	9	1	0	2	0	0	0	0	0	288
10:00	0	106	33	2	5	0	0	0	0	0	0	0	0	146
11:00	1	108	21	0	5	0	0	2	0	0	0	0	0	137
12 PM	1	83	30	0	11	2	0	1	0	0	0	0	0	128
13:00	1	87	22	0	9	1	0	0	1	0	0	0	0	121
14:00	0	127	28	4	1	0	0	2	2	0	0	0	0	164
15:00	2	139	34	3	7	0	0	0	0	0	0	0	0	185
16:00	4	180	26	0	2	3	0	1	0	0	0	0	0	216
17:00	4	189	38	0	1	1	0	1	0	0	0	0	0	234
18:00	3	134	13	0	1	0	0	0	0	0	0	0	0	151
19:00	0	56	17	0	0	0	0	0	0	0	0	0	0	73
20:00	0	24	7	0	1	0	0	0	0	0	0	0	0	32
21:00	0	25	6	0	0	0	0	0	0	0	0	0	0	31
22:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Total	23	2580	504	18	79	12	0	11	4	0	0	0	0	3231
Percent	0.7%	79.9%	15.6%	0.6%	2.4%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	08:00	07:00	07:00	08:00	07:00		09:00	07:00					08:00
PM Peak Vol.	4	504	82	5	15	2		2	1					590
PM Peak Vol.	16:00	17:00	17:00	14:00	12:00	16:00		14:00	14:00					17:00
PM Peak Vol.	4	189	38	4	11	3		2	2					234



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 B Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
06:00	6	0	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	3	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	22	4	0	0	0	0	0	0	0	0	0	26
06:00	0	0	136	22	1	3	0	0	0	0	0	0	0	162
07:00	2	2	362	56	5	8	1	0	1	0	0	0	0	435
08:00	3	3	374	51	1	9	2	0	1	0	0	0	0	441
09:00	1	1	165	27	0	3	1	0	2	0	0	0	0	199
10:00	1	1	107	19	0	7	3	0	2	0	0	0	0	139
11:00	0	0	93	26	0	5	2	0	2	0	0	0	0	128
12 PM	0	0	108	32	1	7	0	0	0	0	0	0	0	148
13:00	0	0	91	20	0	7	0	0	1	0	0	0	0	119
14:00	1	1	98	20	5	5	0	0	1	0	0	0	0	130
15:00	0	0	131	31	1	3	0	0	0	0	0	0	0	166
16:00	0	0	140	30	1	0	0	0	1	1	0	0	0	173
17:00	0	0	202	23	0	1	2	0	0	0	0	0	0	228
18:00	2	2	152	24	0	1	0	0	0	0	0	0	0	179
19:00	0	0	65	9	0	0	0	0	0	0	0	0	0	74
20:00	0	0	37	6	0	0	0	0	0	0	0	0	0	43
21:00	0	0	16	5	0	0	0	0	0	0	0	0	0	21
22:00	0	0	12	2	0	0	0	0	0	0	0	0	0	14
23:00	0	0	3	2	0	0	0	0	0	0	0	0	0	5
Total	10	10	2321	410	15	59	11	0	11	1	0	0	0	2838
Percent	0.4%	0.4%	81.8%	14.4%	0.5%	2.1%	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	08:00	07:00	07:00	08:00	10:00			09:00					08:00
PM Peak Vol.	3	3	374	56	5	9	3		2					441
PM Peak Vol.	18:00	17:00	12:00	14:00	12:00	17:00			13:00	16:00				17:00
PM Peak Vol.	2	2	202	32	5	7	2		1	1				228



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165313 B Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	3 Axle 6 Tire	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
10/15/1													
06:00	6	0	1	0	0	0	0	0	0	0	0	0	2
07:00	0	0	1	0	0	0	0	0	0	0	0	0	1
08:00	0	3	1	0	0	0	0	0	0	0	0	0	4
09:00	0	1	0	0	0	0	0	0	0	0	0	0	1
10:00	0	1	0	0	0	0	0	0	0	0	0	0	1
11:00	0	7	1	0	0	0	0	0	0	0	0	0	8
12 PM	0	14	5	0	0	0	0	0	0	0	0	0	19
13:00	0	66	20	0	2	0	0	0	0	0	0	0	88
14:00	1	129	17	0	1	0	0	0	0	0	0	0	148
15:00	0	176	22	1	6	0	0	0	0	0	0	0	205
16:00	2	150	29	0	2	0	0	0	0	0	0	0	183
17:00	1	156	25	0	2	0	0	0	0	0	0	0	184
18:00	1	167	20	0	4	0	0	0	0	0	0	0	192
19:00	1	135	20	0	0	0	0	0	0	0	0	0	156
20:00	1	185	21	0	2	0	0	0	0	0	0	0	209
21:00	2	123	17	0	2	0	0	0	0	0	0	0	144
22:00	1	163	12	0	1	0	0	0	0	0	0	0	177
23:00	0	130	13	0	1	0	0	0	0	0	0	0	144
Total	11	1813	252	1	23	1	0	0	0	0	0	0	2101
Percent	0.5%	86.3%	12.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	09:00	10:00	09:00	09:00								09:00
PM Peak Vol.	2	176	29	1	6								205
PM Peak Vol.	15:00	14:00	14:00		12:00	18:00							14:00
PM Peak Vol.	2	185	21		4	1							209



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Email: datarequests@pdillc.com

165313 B Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	4	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	3	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	6	3	0	0	0	0	0	0	0	0	0	9
06:00	0	19	8	0	1	0	0	0	0	0	0	0	0	28
07:00	1	36	13	0	2	0	0	2	1	0	0	0	0	55
08:00	2	59	13	0	3	0	0	3	0	0	0	0	0	80
09:00	0	73	10	1	6	1	0	0	1	0	0	0	0	92
10:00	0	74	15	0	9	1	0	2	2	0	0	0	0	103
11:00	0	96	19	2	4	0	0	1	0	0	0	0	0	122
12 PM	2	117	23	0	8	1	0	1	0	0	0	0	0	152
13:00	0	94	18	1	4	1	0	2	0	0	0	0	0	120
14:00	1	115	20	1	7	0	0	1	0	0	0	0	0	145
15:00	1	162	24	0	3	1	0	0	2	0	0	0	0	193
16:00	2	210	31	0	4	0	0	0	1	0	0	0	0	248
17:00	3	328	39	0	3	2	0	0	0	0	0	0	0	375
18:00	0	190	20	0	1	0	0	0	0	0	0	0	0	211
19:00	0	92	11	0	1	0	0	0	0	0	0	0	0	104
20:00	0	69	9	0	0	0	0	0	0	0	0	0	0	78
21:00	1	36	6	0	0	0	0	0	0	0	0	0	0	43
22:00	0	15	1	0	0	0	0	0	0	0	0	0	0	16
23:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Total	13	1806	283	5	56	7	0	12	7	0	0	0	0	2189
Percent	0.6%	82.5%	12.9%	0.2%	2.6%	0.3%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	11:00	11:00	11:00	10:00	09:00		08:00	10:00					11:00
PM Peak Vol.	2	96	19	2	9	1		3	2					122
PM Peak Vol.	17:00	17:00	17:00	13:00	12:00	17:00		13:00	15:00					17:00
PM Peak Vol.	3	328	39	1	8	2		2	2					375



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Email: datarequests@pdillc.com

165313 B Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	4
02:00	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	1
04:00	0	2	0	0	1	0	0	0	0	0	0	0	0	3
05:00	0	3	2	0	1	0	0	0	0	0	0	0	0	6
06:00	0	26	8	0	0	1	0	0	0	0	0	0	0	35
07:00	2	47	18	5	8	0	0	0	1	0	0	0	0	81
08:00	1	51	10	2	1	2	0	0	0	0	0	0	0	67
09:00	0	62	20	0	7	0	0	0	0	0	0	0	0	89
10:00	0	78	30	1	7	0	0	0	0	0	0	0	0	116
11:00	0	80	17	0	10	1	0	0	0	0	0	0	0	108
12 PM	0	99	23	2	3	1	0	3	1	0	0	0	0	132
13:00	0	103	26	2	9	1	0	1	0	0	0	0	0	142
14:00	1	125	30	0	5	0	0	3	1	0	0	0	0	165
15:00	0	165	27	1	1	0	0	2	1	0	0	0	0	198
16:00	2	272	34	0	7	0	0	0	0	0	0	0	0	315
17:00	4	366	49	0	3	1	0	0	0	0	0	0	0	423
18:00	1	230	20	0	1	0	0	0	0	0	0	0	0	252
19:00	0	100	15	0	0	0	0	0	0	0	0	0	0	115
20:00	0	79	6	0	1	0	0	0	0	0	0	0	0	86
21:00	0	50	5	0	2	0	0	0	0	0	0	0	0	57
22:00	0	19	2	0	0	0	0	0	0	0	0	0	0	21
23:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Total	11	1968	343	13	67	8	0	9	4	0	0	0	0	2423
Percent	0.5%	81.2%	14.2%	0.5%	2.8%	0.3%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	11:00	10:00	07:00	11:00	08:00				07:00				10:00
PM Peak Vol.	2	80	30	5	10	2				1				116
PM Peak Vol.	17:00	17:00	17:00	12:00	13:00	12:00			12:00	12:00				17:00
PM Peak Vol.	4	366	49	2	9	1			3	1				423



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165313 B Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
06:00	6	0	3	0	0	0	0	0	0	0	0	0	0	3
01:00	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
03:00	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
05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	1	22	8	0	0	0	0	0	0	0	0	0	0	31
07:00	1	51	17	3	4	1	0	1	0	0	0	0	0	78
08:00	3	43	15	2	3	0	0	0	0	0	0	0	0	66
09:00	0	64	10	0	7	1	0	2	0	0	0	0	0	84
10:00	0	85	26	0	5	2	0	1	0	0	0	0	0	119
11:00	0	99	18	1	6	1	0	0	0	0	0	0	0	125
12 PM	2	104	28	0	4	0	0	1	0	0	0	0	0	139
13:00	0	111	17	2	5	0	0	0	0	0	0	0	0	135
14:00	0	113	34	1	7	0	0	1	0	0	0	0	0	156
15:00	0	162	31	0	2	0	0	1	1	0	0	0	0	197
16:00	0	260	21	0	1	0	0	0	0	0	0	0	0	282
17:00	1	348	41	1	5	1	0	0	0	0	0	0	0	397
18:00	1	229	25	0	1	1	0	0	0	0	0	0	0	257
19:00	0	91	10	0	1	0	0	0	0	0	0	0	0	102
20:00	0	69	6	0	0	0	0	0	0	0	0	0	0	75
21:00	0	60	6	0	0	0	0	0	0	0	0	0	0	66
22:00	0	29	3	0	0	0	0	0	0	0	0	0	0	32
23:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10
Total	9	1953	319	10	51	7	0	7	1	0	0	0	0	2357
Percent	0.4%	82.9%	13.5%	0.4%	2.2%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	11:00	10:00	07:00	09:00	10:00			09:00					11:00
PM Peak Vol.	3	99	26	3	7	2			2					125
PM Peak Vol.	12:00	17:00	17:00	13:00	14:00	17:00			12:00	15:00				17:00
	2	348	41	2	7	1			1	1				397



Old Lancaster Road between  
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165313 B Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
06:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12
07:00	0	21	5	0	1	0	0	0	0	0	0	0	0	27
08:00	0	39	7	0	3	0	0	0	0	0	0	0	0	49
09:00	0	92	20	0	0	1	0	0	0	0	0	0	0	113
10:00	0	140	23	1	3	1	0	1	0	0	0	0	0	169
11:00	0	142	11	0	3	0	0	0	1	0	0	0	0	157
12 PM	1	160	17	0	5	0	0	0	0	0	0	0	0	183
13:00	0	148	18	0	1	0	0	0	0	0	0	0	0	167
14:00	1	123	14	0	1	0	0	0	0	0	0	0	0	139
15:00	0	150	11	0	0	0	0	0	0	0	0	0	0	161
16:00	0	119	10	0	2	0	0	0	0	0	0	0	0	131
17:00	0	113	8	0	1	0	0	0	0	0	0	0	0	122
18:00	1	119	11	0	0	0	0	0	0	0	0	0	0	131
19:00	0	68	5	0	0	0	0	0	0	0	0	0	0	73
20:00	0	51	3	0	0	0	0	0	0	0	0	0	0	54
21:00	0	47	4	0	0	0	0	0	0	0	0	0	0	51
22:00	0	34	1	0	0	0	0	0	0	0	0	0	0	35
23:00	0	23	1	0	0	0	0	0	0	0	0	0	0	24
Total	3	1612	174	1	20	2	0	2	0	0	0	0	0	1814
Percent	0.2%	88.9%	9.6%	0.1%	1.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.		11:00	10:00	10:00	08:00	09:00			10:00					10:00
		142	23	1	3	1			1					169
PM Peak Vol.	12:00	12:00	13:00		12:00									12:00
	1	160	18		5									183



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165313 B Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	42	37
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	38	37	*
02:00	0	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	0	*	*	*
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
05:00	0	0	0	2	10	11	4	1	0	0	0	0	0	0	0	0	28	40	36
06:00	0	0	1	8	58	49	10	1	0	0	0	0	0	0	0	0	127	38	34
07:00	1	2	2	40	154	125	20	1	1	0	0	0	0	0	0	0	346	37	34
08:00	1	3	7	64	198	115	7	0	0	0	0	0	0	0	0	0	395	36	32
09:00	0	0	1	33	86	91	16	0	0	0	0	0	0	0	0	0	227	38	34
10:00	1	0	2	22	47	35	5	0	0	0	0	0	0	0	0	0	112	37	33
11:00	1	0	3	20	62	58	12	1	0	0	0	0	0	0	0	0	157	38	34
12 PM	0	5	2	22	66	48	9	0	0	0	0	0	0	0	0	0	152	37	33
13:00	0	0	0	10	58	39	5	0	0	0	0	0	0	0	0	0	112	37	34
14:00	0	0	2	15	59	49	5	2	0	0	0	0	0	0	0	0	132	37	34
15:00	0	0	3	22	92	73	8	0	0	0	0	0	0	0	0	0	198	37	34
16:00	1	0	1	19	79	52	9	1	0	0	0	0	0	0	0	0	162	37	33
17:00	2	2	3	16	85	94	13	0	0	0	0	0	0	0	0	0	215	37	34
18:00	1	0	5	17	82	38	1	0	0	0	0	0	0	0	0	0	144	36	32
19:00	0	0	0	7	29	15	3	0	0	0	0	0	0	0	0	0	54	37	33
20:00	0	0	0	13	22	3	0	0	0	0	0	0	0	0	0	0	38	33	31
21:00	0	0	1	3	10	2	1	0	0	0	0	0	0	0	0	0	17	35	32
22:00	0	0	0	3	2	0	1	0	0	0	0	0	0	0	0	0	6	39	31
23:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	32	30
Total	8	12	33	339	1202	898	130	7	1	0	0	0	0	0	0	0	2630		
%	0.3%	0.5%	1.3%	12.9%	45.7%	34.1%	4.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	08:00	08:00	08:00	08:00	07:00	07:00	05:00	07:00								08:00		
PM Peak Vol.	17:00	12:00	18:00	12:00	15:00	17:00	17:00	14:00									17:00		
	2	5	5	22	92	94	13	2									215		

Stats

15th Percentile :	29 MPH
50th Percentile :	32 MPH
85th Percentile :	37 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	2100
Percent in Pace :	79.8%
Number of Vehicles > 30 MPH :	1998
Percent of Vehicles > 30 MPH :	76.0%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	41	37	
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	33	32	
04:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	38	37	
05:00	0	0	0	3	14	8	4	0	0	0	0	0	0	0	0	29	38	34	
06:00	1	1	4	16	73	52	8	1	1	0	0	0	0	0	0	157	37	33	
07:00	6	19	18	106	258	112	14	0	0	0	0	0	0	0	0	533	36	31	
08:00	31	14	40	135	239	117	14	0	0	0	0	0	0	0	0	590	35	30	
09:00	2	0	1	24	142	108	11	0	0	0	0	0	0	0	0	288	37	34	
10:00	0	1	2	17	67	51	8	0	0	0	0	0	0	0	0	146	37	33	
11:00	1	1	2	18	57	45	12	1	0	0	0	0	0	0	0	137	38	34	
12 PM	1	0	5	16	59	43	4	0	0	0	0	0	0	0	0	128	37	33	
13:00	1	0	1	18	58	41	2	0	0	0	0	0	0	0	0	121	37	33	
14:00	0	0	5	18	78	55	7	1	0	0	0	0	0	0	0	164	37	33	
15:00	3	2	7	11	87	64	11	0	0	0	0	0	0	0	0	185	37	33	
16:00	3	0	5	32	94	75	7	0	0	0	0	0	0	0	0	216	37	33	
17:00	2	0	1	31	113	78	9	0	0	0	0	0	0	0	0	234	37	33	
18:00	2	0	3	23	72	42	9	0	0	0	0	0	0	0	0	151	37	33	
19:00	0	0	1	12	40	16	3	1	0	0	0	0	0	0	0	73	36	33	
20:00	0	0	0	5	17	9	1	0	0	0	0	0	0	0	0	32	36	33	
21:00	0	0	1	5	13	8	2	1	0	1	0	0	0	0	0	31	38	34	
22:00	0	0	0	2	4	0	0	1	0	0	0	0	0	0	0	7	33	33	
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3	41	37	
Total	53	38	96	492	1488	928	128	6	1	1	1	0	0	0	0	3231			
%	1.6%	1.2%	3.0%	15.2%	46.1%	28.7%	4.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	08:00	07:00	08:00	08:00	07:00	08:00	07:00	06:00	06:00							08:00			
PM Peak Vol.	31	19	40	135	258	117	14	1	1							590			
	15:00	15:00	15:00	16:00	17:00	17:00	15:00	14:00		21:00						17:00			
	3	2	7	32	113	78	11	1		1						234			

Stats

15th Percentile :	27 MPH
50th Percentile :	32 MPH
85th Percentile :	37 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	2416
Percent in Pace :	74.8%
Number of Vehicles > 30 MPH :	2254
Percent of Vehicles > 30 MPH :	69.8%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																	
16	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	37	32
01:00	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	38	37
02:00	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	*	*	*
04:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3	31	27
05:00	0	0	0	4	9	9	3	1	0	0	0	0	0	0	26	39	35
06:00	0	0	1	21	77	54	9	0	0	0	0	0	0	0	162	37	34
07:00	9	29	28	90	156	105	16	2	0	0	0	0	0	0	435	36	30
08:00	112	17	48	59	127	71	7	0	0	0	0	0	0	0	441	34	24
09:00	1	0	4	20	76	87	10	1	0	0	0	0	0	0	199	37	34
10:00	0	0	2	23	49	54	9	2	0	0	0	0	0	0	139	38	34
11:00	0	0	3	12	55	50	7	1	0	0	0	0	0	0	128	37	34
12 PM	0	0	2	18	58	57	13	0	0	0	0	0	0	0	148	38	34
13:00	0	0	0	5	57	50	7	0	0	0	0	0	0	0	119	37	34
14:00	3	3	4	16	48	51	5	0	0	0	0	0	0	0	130	37	33
15:00	0	2	5	23	69	50	17	0	0	0	0	0	0	0	166	38	33
16:00	0	2	1	16	84	63	7	0	0	0	0	0	0	0	173	37	34
17:00	0	0	3	26	106	75	18	0	0	0	0	0	0	0	228	37	34
18:00	1	0	2	35	85	49	7	0	0	0	0	0	0	0	179	36	33
19:00	0	1	3	16	30	18	5	1	0	0	0	0	0	0	74	37	32
20:00	0	0	0	5	26	9	3	0	0	0	0	0	0	0	43	37	33
21:00	0	0	1	4	7	7	1	1	0	0	0	0	0	0	21	38	33
22:00	0	0	0	3	7	4	0	0	0	0	0	0	0	0	14	36	32
23:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5	35	32
Total	126	54	108	399	1130	868	144	9	0	0	0	0	0	0	2838		
%	4.4%	1.9%	3.8%	14.1%	39.8%	30.6%	5.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	07:00	08:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	07:00	08:00		
PM Peak Vol.	112	29	48	90	156	105	16	2							441		

Stats	15th Percentile :	25 MPH
	50th Percentile :	32 MPH
	85th Percentile :	37 MPH
	95th Percentile :	39 MPH
	Mean Speed(Average) :	32 MPH
	10 MPH Pace Speed :	30-39 MPH
	Number in Pace :	1998
	Percent in Pace :	70.4%
	Number of Vehicles > 30 MPH :	1925
	Percent of Vehicles > 30 MPH :	67.8%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	33	32
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37
02:00	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4	36	33
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	43	42
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
05:00	0	0	0	1	2	4	0	1	0	0	0	0	0	0	0	0	8	38	36
06:00	0	0	0	3	4	9	1	2	0	0	0	0	0	0	0	0	19	39	36
07:00	1	0	2	9	23	41	11	1	0	0	0	0	0	0	0	0	88	38	35
08:00	1	0	1	11	55	67	11	2	0	0	0	0	0	0	0	0	148	38	35
09:00	0	0	4	30	87	77	7	0	0	0	0	0	0	0	0	0	205	37	33
10:00	2	1	1	19	73	78	9	0	0	0	0	0	0	0	0	0	183	37	34
11:00	1	1	3	13	66	84	13	2	0	0	0	0	0	0	0	1	184	38	34
12 PM	0	0	1	11	81	80	18	1	0	0	0	0	0	0	0	0	192	38	35
13:00	1	0	4	10	73	55	13	0	0	0	0	0	0	0	0	0	156	38	34
14:00	1	0	1	8	99	87	12	1	0	0	0	0	0	0	0	0	209	37	34
15:00	1	0	1	10	57	66	9	0	0	0	0	0	0	0	0	0	144	38	34
16:00	0	0	2	16	71	72	12	4	0	0	0	0	0	0	0	0	177	38	34
17:00	0	0	3	15	61	51	13	1	0	0	0	0	0	0	0	0	144	38	34
18:00	0	0	2	5	40	29	7	2	0	0	0	0	0	0	0	0	85	38	34
19:00	0	1	0	13	36	17	4	1	0	0	0	0	0	0	0	0	72	37	33
20:00	0	0	0	2	12	8	3	0	0	0	0	0	0	0	0	0	25	38	34
21:00	0	1	3	8	8	6	1	0	0	0	0	0	0	0	0	0	27	36	30
22:00	0	0	0	3	5	6	0	0	0	0	0	0	0	0	0	0	14	37	33
23:00	0	1	0	3	4	3	1	0	0	0	0	0	0	0	0	0	12	37	32
Total	8	5	28	191	862	842	146	18	0	0	0	0	0	0	0	1	2101		
%	0.4%	0.2%	1.3%	9.1%	41.0%	40.1%	6.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00	10:00	09:00	09:00	09:00	11:00	11:00	06:00									11:00	09:00	
PM Peak Vol.	2	1	4	30	87	84	13	2									1	205	
	13:00	19:00	13:00	16:00	14:00	14:00	12:00	16:00										14:00	
	1	1	4	16	99	87	18	4										209	

Stats                    15th Percentile : 29 MPH  
                       50th Percentile : 33 MPH  
                       85th Percentile : 38 MPH  
                       95th Percentile : 41 MPH  
  
                       Mean Speed(Average) : 34 MPH  
                       10 MPH Pace Speed : 30-39 MPH  
                       Number in Pace : 1704  
                       Percent in Pace : 81.1%  
                       Number of Vehicles > 30 MPH : 1697  
                       Percent of Vehicles > 30 MPH : 80.8%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																	
16	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4	36	31
01:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	36	32
02:00	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	*	*	*
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	33	32
05:00	0	0	0	2	3	2	2	0	0	0	0	0	0	0	9	40	34
06:00	0	0	0	7	10	11	0	0	0	0	0	0	0	0	28	37	33
07:00	1	0	4	9	25	12	3	0	0	0	0	0	0	1	55	36	32
08:00	<b>2</b>	<b>1</b>	3	16	37	20	1	0	0	0	0	0	0	0	80	36	31
09:00	0	0	3	19	<b>51</b>	17	2	0	0	0	0	0	0	0	92	35	32
10:00	0	1	<b>5</b>	<b>29</b>	48	18	2	0	0	0	0	0	0	0	103	35	31
11:00	0	0	2	28	51	<b>35</b>	<b>6</b>	0	0	0	0	0	0	0	<b>122</b>	37	33
12 PM	0	0	3	38	76	31	4	0	0	0	0	0	0	0	152	35	32
13:00	0	0	1	25	52	36	6	0	0	0	0	0	0	0	120	37	33
14:00	0	0	3	24	71	40	7	0	0	0	0	0	0	0	145	37	33
15:00	0	1	<b>6</b>	39	91	49	4	<b>2</b>	<b>1</b>	0	0	0	0	0	193	36	32
16:00	<b>1</b>	<b>2</b>	3	40	142	56	3	1	0	0	0	0	0	0	248	36	32
17:00	0	1	3	<b>71</b>	<b>208</b>	<b>79</b>	<b>13</b>	0	0	0	0	0	0	0	<b>375</b>	36	32
18:00	0	0	1	34	124	46	6	0	0	0	0	0	0	0	211	36	33
19:00	0	0	3	22	49	25	5	0	0	0	0	0	0	0	104	36	32
20:00	0	0	1	13	42	21	1	0	0	0	0	0	0	0	78	36	33
21:00	0	0	0	12	21	10	0	0	0	0	0	0	0	0	43	35	32
22:00	0	0	0	0	8	6	2	0	0	0	0	0	0	0	16	38	35
23:00	0	0	0	2	2	3	0	0	0	0	0	0	0	0	7	37	33
Total	4	6	41	433	1114	519	67	3	1	0	0	0	0	1	2189		
%	0.2%	0.3%	1.9%	19.8%	50.9%	23.7%	3.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	08:00	10:00	10:00	09:00	11:00	11:00								07:00	11:00	
PM Peak Vol.	2	1	5	29	51	35	6								1	122	
	16:00	16:00	15:00	17:00	17:00	17:00	17:00	15:00	15:00							17:00	
	1	2	6	71	208	79	13	2	1							375	

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH  
  
                       Mean Speed(Average) : 32 MPH  
                       10 MPH Pace Speed : 30-39 MPH  
                       Number in Pace : 1633  
                       Percent in Pace : 74.6%  
                       Number of Vehicles > 30 MPH : 1482  
                       Percent of Vehicles > 30 MPH : 67.7%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
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Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	36	32
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37
04:00	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3	36	30
05:00	0	0	0	0	4	1	1	0	0	0	0	0	0	0	0	0	6	39	34
06:00	0	0	1	10	15	8	1	0	0	0	0	0	0	0	0	0	35	36	32
07:00	1	0	3	26	36	14	0	1	0	0	0	0	0	0	0	0	81	35	31
08:00	1	0	9	14	29	13	1	0	0	0	0	0	0	0	0	0	67	35	30
09:00	0	0	3	18	45	20	3	0	0	0	0	0	0	0	0	0	89	36	32
10:00	0	2	3	20	53	33	5	0	0	0	0	0	0	0	0	0	116	37	32
11:00	0	0	3	21	50	31	2	1	0	0	0	0	0	0	0	0	108	36	33
12 PM	1	0	2	36	58	32	3	0	0	0	0	0	0	0	0	0	132	36	32
13:00	0	0	1	36	69	34	1	1	0	0	0	0	0	0	0	0	142	36	32
14:00	1	0	5	32	83	36	8	0	0	0	0	0	0	0	0	0	165	36	32
15:00	0	0	2	24	101	60	9	0	0	0	1	1	0	0	0	0	198	37	34
16:00	0	2	0	45	181	71	15	1	0	0	0	0	0	0	0	0	315	36	33
17:00	1	0	12	92	212	91	13	2	0	0	0	0	0	0	0	0	423	36	32
18:00	0	1	6	60	135	48	2	0	0	0	0	0	0	0	0	0	252	35	32
19:00	0	0	1	17	68	26	3	0	0	0	0	0	0	0	0	0	115	36	33
20:00	0	0	3	18	49	12	2	1	0	0	1	0	0	0	0	0	86	35	32
21:00	0	0	5	11	30	9	2	0	0	0	0	0	0	0	0	0	57	35	31
22:00	0	0	1	5	9	5	1	0	0	0	0	0	0	0	0	0	21	36	32
23:00	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	6	41	36
Total	5	5	60	489	1230	550	74	7	0	2	1	0	0	0	0	0	2423		
%	0.2%	0.2%	2.5%	20.2%	50.8%	22.7%	3.1%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	10:00	08:00	07:00	10:00	10:00	10:00	07:00									10:00		
PM Peak Vol.	12:00	16:00	17:00	17:00	17:00	17:00	16:00	17:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	17:00		
Stats																			

15th Percentile : 27 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1780  
 Percent in Pace : 73.5%  
 Number of Vehicles > 30 MPH : 1618  
 Percent of Vehicles > 30 MPH : 66.8%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 B Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3	31	29
01:00	0	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	0	*	*	*
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
05:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	37	35
06:00	1	0	1	7	16	5	1	0	0	0	0	0	0	0	0	0	31	35	31
07:00	0	0	2	21	40	12	3	0	0	0	0	0	0	0	0	0	78	35	32
08:00	1	0	7	15	29	14	0	0	0	0	0	0	0	0	0	0	66	35	30
09:00	0	0	1	21	39	20	3	0	0	0	0	0	0	0	0	0	84	36	32
10:00	0	1	10	24	63	18	3	0	0	0	0	0	0	0	0	0	119	34	31
11:00	0	0	2	28	61	27	7	0	0	0	0	0	0	0	0	0	125	36	32
12 PM	1	0	1	23	70	38	5	1	0	0	0	0	0	0	0	0	139	37	33
13:00	0	0	4	17	68	37	9	0	0	0	0	0	0	0	0	0	135	37	33
14:00	0	1	8	30	67	39	11	0	0	0	0	0	0	0	0	0	156	37	32
15:00	0	0	3	25	97	59	13	0	0	0	0	0	0	0	0	0	197	37	33
16:00	1	0	5	38	145	85	7	1	0	0	0	0	0	0	0	0	282	36	33
17:00	1	1	6	109	194	79	7	0	0	0	0	0	0	0	0	0	397	35	32
18:00	1	1	4	51	137	52	10	1	0	0	0	0	0	0	0	0	257	36	32
19:00	0	0	5	18	52	23	3	1	0	0	0	0	0	0	0	0	102	36	32
20:00	0	0	1	10	40	23	1	0	0	0	0	0	0	0	0	0	75	36	33
21:00	0	0	1	17	32	13	1	1	0	0	1	0	0	0	0	0	66	36	32
22:00	0	0	0	6	13	8	5	0	0	0	0	0	0	0	0	0	32	39	34
23:00	0	0	0	3	4	2	1	0	0	0	0	0	0	0	0	0	10	37	33
Total	6	4	61	465	1170	555	90	5	0	1	0	0	0	0	0	0	2357		
%	0.3%	0.2%	2.6%	19.7%	49.6%	23.5%	3.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	06:00	10:00	10:00	11:00	10:00	11:00	11:00										11:00		
PM Peak Vol.	1	1	10	28	63	27	7										125		
	12:00	14:00	14:00	17:00	17:00	16:00	15:00	12:00									17:00		
	1	1	8	109	194	85	13	1									397		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1725  
 Percent in Pace : 73.2%  
 Number of Vehicles > 30 MPH : 1587  
 Percent of Vehicles > 30 MPH : 67.3%



Old Lancaster Road between  
Gerry Drive and Meadow Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 B Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	42	37
01:00	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	5	38	36
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37
03:00	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6	36	31
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
05:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	42	40
06:00	0	0	1	4	4	2	1	0	0	0	0	0	0	0	0	0	12	36	31
07:00	0	1	2	1	13	8	2	0	0	0	0	0	0	0	0	0	27	37	33
08:00	0	1	0	9	21	16	2	0	0	0	0	0	0	0	0	0	49	37	33
09:00	0	2	11	23	54	21	2	0	0	0	0	0	0	0	0	0	113	35	31
10:00	0	0	4	30	75	54	5	1	0	0	0	0	0	0	0	0	169	37	33
11:00	0	1	1	24	73	50	8	0	0	0	0	0	0	0	0	0	157	37	33
12 PM	0	0	2	21	80	59	19	1	0	1	0	0	0	0	0	0	183	38	34
13:00	0	0	3	27	75	50	11	1	0	0	0	0	0	0	0	0	167	37	33
14:00	0	0	3	10	64	54	7	1	0	0	0	0	0	0	0	0	139	37	34
15:00	0	0	8	21	75	55	2	0	0	0	0	0	0	0	0	0	161	36	33
16:00	0	0	6	22	66	33	4	0	0	0	0	0	0	0	0	0	131	36	32
17:00	1	1	1	20	61	34	4	0	0	0	0	0	0	0	0	0	122	36	32
18:00	0	0	3	26	78	19	4	1	0	0	0	0	0	0	0	0	131	35	32
19:00	1	2	2	11	34	21	2	0	0	0	0	0	0	0	0	0	73	36	32
20:00	0	1	2	13	26	10	1	1	0	0	0	0	0	0	0	0	54	35	32
21:00	0	1	0	7	32	8	3	0	0	0	0	0	0	0	0	0	51	36	32
22:00	0	0	0	9	14	12	0	0	0	0	0	0	0	0	0	0	35	36	32
23:00	0	0	0	3	13	6	2	0	0	0	0	0	0	0	0	0	24	37	33
Total	2	10	50	282	862	520	81	6	0	1	0	0	0	0	0	0	1814		
%	0.1%	0.6%	2.8%	15.5%	47.5%	28.7%	4.5%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		09:00	09:00	10:00	10:00	10:00	11:00	10:00									10:00		
PM Peak Vol.	17:00	19:00	15:00	13:00	12:00	12:00	12:00	12:00									12:00		
Vol.	1	2	8	27	80	59	19	1									183		

Stats

15th Percentile :	27 MPH
50th Percentile :	32 MPH
85th Percentile :	37 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	1382
Percent in Pace :	76.2%
Number of Vehicles > 30 MPH :	1298
Percent of Vehicles > 30 MPH :	71.5%



46 Morton Street, Framingham, MA 01702  
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 Email: datarequests@pdilc.com

Hudson Road (Route 27) between  
 Peakham Road and Concord Road  
 City, State: Sudbury, MA  
 Client: VHB/ K. Wenners

165313 C Volume  
 Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	33	23	33	12	39	26	87	30	*	*	*	*	*	*	48	23
01:00	17	5	12	8	21	10	48	19	*	*	*	*	*	*	24	10
02:00	10	5	7	3	10	11	17	16	*	*	*	*	*	*	11	9
03:00	8	17	10	8	18	14	9	14	*	*	*	*	*	*	11	13
04:00	21	56	22	60	18	47	10	20	*	*	*	*	*	*	18	46
05:00	73	331	63	351	68	319	20	62	*	*	*	*	*	*	56	266
06:00	174	985	212	1030	214	921	65	202	*	*	*	*	*	*	166	784
07:00	303	915	423	1029	367	1024	239	425	*	*	*	*	*	*	333	848
08:00	435	845	383	858	372	848	305	556	*	*	*	*	*	*	374	777
09:00	405	728	435	713	429	657	502	651	*	*	*	*	*	*	443	687
10:00	500	609	430	597	440	561	648	712	*	*	*	*	*	*	504	620
11:00	587	647	551	532	449	582	736	738	*	*	*	*	*	*	581	625
12:00 PM	636	602	533	573	571	624	747	726	*	*	*	*	*	*	622	631
01:00	642	604	572	522	651	575	782	686	*	*	*	*	*	*	662	597
02:00	691	635	640	621	690	650	704	668	*	*	*	*	*	*	681	644
03:00	815	642	903	624	860	684	698	673	*	*	*	*	*	*	819	656
04:00	971	642	951	671	983	632	590	715	*	*	*	*	*	*	874	665
05:00	1056	666	1064	694	1006	659	550	721	*	*	*	*	*	*	919	685
06:00	913	584	1045	573	988	642	483	619	*	*	*	*	*	*	857	604
07:00	661	334	720	346	632	402	399	346	*	*	*	*	*	*	603	357
08:00	458	235	458	202	403	238	355	217	*	*	*	*	*	*	418	223
09:00	323	168	394	139	427	184	313	195	*	*	*	*	*	*	364	172
10:00	139	83	205	78	237	126	243	139	*	*	*	*	*	*	206	106
11:00	79	30	101	39	144	101	148	85	*	*	*	*	*	*	118	64
Total Day	9950	10391	10167	10283	10037	10537	8698	9235	0	0	0	0	0	0	9712	10112
AM Peak Vol.	11:00	06:00	11:00	06:00	11:00	07:00	11:00	11:00	-	-	-	-	-	-	11:00	07:00
PM Peak Vol.	17:00	17:00	17:00	17:00	17:00	15:00	13:00	12:00	-	-	-	-	-	-	17:00	17:00

Comb. Total	20341	20450	20574	17933	0	0	0	0	0	0	0	0	0	0	9712	19824
ADT	ADT 19,824	AADT 19,824														



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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165313 C Volume  
Site Code: TBA

Start Time	WB			EB			Combined		12-Oct-16 Wed
	A.M.	P.M.		A.M.	P.M.		A.M.	P.M.	
12:00	10	131		2	163		12	294	
12:15	11	183		7	157		18	340	
12:30	8	175		7	137		15	312	
12:45	4	33	147	636	7	23	145	602	11 56 1238
01:00	8	164		1	155		9	319	
01:15	3	148		3	165		6	313	
01:30	4	170		0	130		4	300	
01:45	2	17	160	642	1	5	154	604	3 22 314 1246
02:00	2	153		2	162		4	315	
02:15	4	177		1	149		5	326	
02:30	2	174		1	157		3	331	
02:45	2	10	187	691	1	5	167	635	3 15 354 1326
03:00	1	213		4	148		5	361	
03:15	1	177		2	162		3	339	
03:30	4	191		7	160		11	351	
03:45	2	8	234	815	4	17	172	642	6 25 406 1457
04:00	4	216		8	162		12	378	
04:15	3	251		8	150		11	401	
04:30	7	265		18	165		25	430	
04:45	7	21	239	971	22	56	165	642	29 77 404 1613
05:00	10	251		33	161		43	412	
05:15	15	287		69	159		84	446	
05:30	21	256		100	183		121	439	
05:45	27	73	262	1056	129	331	163	666	156 404 425 1722
06:00	30	261		186	143		216	404	
06:15	44	244		251	142		295	386	
06:30	48	227		272	138		320	365	
06:45	52	174	181	913	276	985	161	584	328 1159 342 1497
07:00	69	195		242		107		311	302
07:15	63	188		252		112		315	300
07:30	76	156		219		50		295	206
07:45	95	303	122	661	202	915	65	334	297 1218 187 995
08:00	109	128		210		67		319	195
08:15	106	114		207		65		313	179
08:30	109	108		215		50		324	158
08:45	111	435	108	458	213	845	53	235	324 1280 161 693
09:00	108	102		174		50		282	152
09:15	110	91		180		45		290	136
09:30	85	73		192		42		277	115
09:45	102	405	57	323	182	728	31	168	284 1133 88 491
10:00	124	47		172		23		296	70
10:15	125	40		159		19		284	59
10:30	135	30		130		29		265	59
10:45	116	500	22	139	148	609	12	83	264 1109 34 222
11:00	154	19		151		7		305	26
11:15	153	27		173		8		326	35
11:30	123	19		171		2		294	21
11:45	157	587	14	79	152	647	13	30	309 1234 27 109
Total	2566	7384		5166		5225		7732	12609
Percent	33.2%	58.6%		66.8%		41.4%			
Day Total		9950			10391			20341	
Peak Vol.	11:00	-	05:15	-	06:30	-	04:45	-	08:00
P.H.F.	587	-	1066	-	1042	-	668	-	1280
	0.935		0.929		0.944		0.913		0.976
									0.965



Hudson Road (Route 27) between  
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165313 C Volume  
Site Code: TBA

Start Time	WB		EB		Combin ed		13-Oct-16 Thu
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	10	128	5	135	15	263	
12:15	4	122	4	155	8	277	
12:30	10	143	1	136	11	279	
12:45	9	33	140	533	2	147	573
01:00	3	120	2	108	5	228	
01:15	3	145	1	152	4	297	
01:30	4	114	0	144	4	258	
01:45	2	12	193	572	5	118	522
02:00	4	145	1	125	5	270	
02:15	1	153	1	182	2	335	
02:30	0	176	1	151	1	327	
02:45	2	7	166	640	0	163	621
03:00	3	226	0	147	3	373	
03:15	3	215	2	166	5	381	
03:30	2	234	3	147	5	381	
03:45	2	10	228	903	3	164	624
04:00	4	189	6	169	10	358	
04:15	7	243	12	159	19	402	
04:30	5	267	16	167	21	434	
04:45	6	22	252	951	26	60	176
05:00	11	274	33	176	44	450	
05:15	7	266	81	173	88	439	
05:30	18	260	98	182	116	442	
05:45	27	63	264	1064	139	351	694
06:00	37	285	184	129	221	414	
06:15	63	258	281	150	344	408	
06:30	51	269	283	141	334	410	
06:45	61	212	233	1045	282	1030	153
07:00	60	202	300	118	360	320	
07:15	122	205	274	95	396	300	
07:30	116	171	253	65	369	236	
07:45	125	423	142	720	202	1029	68
08:00	90	130	210	68	346	327	1452
08:15	85	108	234	44	319	327	210
08:30	94	111	239	43	333	1452	1066
08:45	114	383	109	458	175	858	47
09:00	130	103	171	41	301	302	660
09:15	109	115	171	31	280	280	
09:30	87	96	209	38	296	296	
09:45	109	435	80	394	162	713	29
10:00	98	47	155	29	139	271	1148
10:15	107	56	150	17	253	253	76
10:30	108	55	163	17	257	257	73
10:45	117	430	47	205	129	597	15
11:00	114	34	122	18	78	246	1027
11:15	139	20	152	11	277	246	62
11:30	142	24	137	5	279	279	283
11:45	156	551	23	101	121	532	5
Total	2581	7586	5201	5082	7782	12668	
Percent	33.2%	59.9%	66.8%	40.1%			
Day Total		10167		10283		20450	
Peak Vol.	11:00	-	05:45	-	06:15	-	04:45
P.H.F.	551	-	1076	-	1146	-	1759
	0.883		0.944		0.955		0.977
				0.971		0.927	



Hudson Road (Route 27) between  
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Client: VHB/ K. Wengers

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165313 C Volume  
Site Code: TBA

Start Time	WB		EB		Combin ed		14-Oct-16 Fri
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	9	134	10	149	19	283	
12:15	8	137	4	178	12	315	
12:30	16	151	6	159	22	310	
12:45	6	39	149	571	12	65	287
01:00	9	156	3	152	12	308	
01:15	3	151	2	148	5	299	
01:30	4	161	3	138	7	299	
01:45	5	21	183	651	7	31	320
02:00	5	169	3	156	8	325	
02:15	1	149	3	180	4	329	
02:30	4	182	3	141	7	323	
02:45	0	10	190	690	2	21	363
03:00	5	241	0	165	5	406	
03:15	5	203	3	175	8	378	
03:30	6	206	4	184	10	390	
03:45	2	18	210	860	9	32	370
04:00	0	209	5	163	5	372	
04:15	5	257	8	151	13	408	
04:30	4	252	11	150	15	402	
04:45	9	18	265	983	32	65	433
05:00	4	240	35	161	39	401	
05:15	20	261	60	171	80	432	
05:30	14	247	90	161	104	408	
05:45	30	68	258	1006	164	387	424
06:00	43	260	134	319	195	403	
06:15	53	256	152	143	296	404	
06:30	60	240	243	148	315	420	
06:45	58	214	255	180	329	1135	403
07:00	59	181	271	921	361	1630	
07:15	106	169	302	151	397	332	
07:30	109	152	291	110	279		
07:45	93	367	243	1024	352	220	
08:00	86	130	632	73	281	1034	
08:15	96	106	188	402	1391		
08:30	93	96	221	68	203		
08:45	97	372	212	307			
09:00	114	91	403	57			
09:15	101	153	848	308			
09:30	114	149	62	153			
09:45	114	149	238	296			
10:00	95	95	309	161			
10:15	109	157	1220	164			
10:30	109	157	153	202			
10:45	92	429	53	266			
11:00	96	82	427	140			
11:15	108	135	168	267			
11:30	121	64	657	184			
11:45	115	57	131	231			
	440	52	561	35			
		237	36	257			
			126	267			
			246	1001			
			1086	88			
			1031	363			
Total	2445	7592	5020	5517	7465	13109	
Percent	32.8%	57.9%	67.2%	42.1%			
Day Total	10037		10537		20574		
Peak Vol.	10:30	-	05:15	-	06:30	-	04:45
P.H.F.	451	-	1026	-	1119	-	1674
	0.932		0.968		0.926	-	0.967
				0.947		0.906	



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wengers

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 C Volume  
Site Code: TBA

Start Time	WB		EB		Combin ed		15-Oct-16 Sat
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	23	186	10	190	33	376	
12:15	32	197	7	181	39	378	
12:30	18	185	5	164	23	349	
12:45	14	87	747	8	30	117	1473
01:00	17	179	6	142	23	334	
01:15	12	207	4	165	16	372	
01:30	8	204	5	179	13	383	
01:45	11	48	179	782	4	67	1468
02:00	5	166	4	156	9	322	
02:15	2	174	5	202	7	376	
02:30	7	157	4	151	11	308	
02:45	3	17	207	704	3	33	1372
03:00	0	164	3	177	3	341	
03:15	0	174	2	167	2	341	
03:30	3	178	1	163	4	341	
03:45	6	9	182	698	8	23	1371
04:00	0	162	1	179	1	341	
04:15	2	151	7	165	9	316	
04:30	4	151	6	188	10	339	
04:45	4	10	126	590	6	30	1305
05:00	4	128	5	186	9	314	
05:15	5	139	15	173	20	312	
05:30	4	137	20	168	24	305	
05:45	7	20	146	550	22	29	1271
06:00	12	131	29	164	41	295	
06:15	14	122	44	177	58	299	
06:30	19	126	49	146	68	272	
06:45	20	65	104	483	80	100	1102
07:00	41	104	66	202	132	107	206
07:15	47	112	119	83	166	195	
07:30	81	97	120	82	201	179	
07:45	70	239	86	399	120	346	745
08:00	63	70	106	59	190	664	165
08:15	54	89	146	69	286	861	127
08:30	80	109	126	49	217	272	572
08:45	108	305	87	355	178	51	120
09:00	117	69	155	556	40	261	126
09:15	112	79	149	47	329	329	150
09:30	150	86	179	64	291	1153	112
09:45	123	502	79	313	168	195	508
10:00	159	78	168	651	33	327	122
10:15	130	57	180	44	310	87	
10:30	180	57	189	30	369	93	
10:45	179	648	51	243	712	29	382
11:00	189	50	11:00	-	139	1360	80
11:15	174	50	161	-	354	1474	81
11:30	204	25	188	-	361	1474	71
11:45	169	736	197	-	401	34	47
Total	2686	6012	3445	5790	6131	11802	
Percent	43.8%	50.9%	56.2%	49.1%			
Day Total		8698		9235		17933	
Peak Vol.	10:45	-	00:45	-	11:00	-	12:00
P.H.F.	746	-	782	-	738	-	1473
	0.914		0.944		0.937	-	0.974
					0.912	0.919	



Hudson Road (Route 27) between  
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 Email: datarequests@pdillc.com

165313 C Class  
 Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	0	26	6	0	1	0	0	0	0	0	0	0	0	33
01:00	0	12	2	0	3	0	0	0	0	0	0	0	0	17
02:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
03:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8
04:00	0	16	3	0	2	0	0	0	0	0	0	0	0	21
05:00	0	54	13	1	4	0	0	0	0	1	0	0	0	73
06:00	1	139	24	1	6	0	1	0	1	1	0	0	0	174
07:00	10	223	42	1	9	12	0	5	1	0	0	0	0	303
08:00	8	325	63	8	19	10	0	1	0	1	0	0	0	435
09:00	0	296	78	6	10	10	1	3	1	0	0	0	0	405
10:00	5	365	80	8	22	10	4	5	1	0	0	0	0	500
11:00	15	459	82	4	13	8	2	1	2	1	0	0	0	587
12 PM	5	498	92	7	16	12	3	2	1	0	0	0	0	636
13:00	5	493	97	7	25	9	1	4	0	1	0	0	0	642
14:00	8	546	107	5	14	7	1	2	1	0	0	0	0	691
15:00	9	631	126	3	24	12	2	7	0	0	1	0	0	815
16:00	13	796	124	4	22	12	0	0	0	0	0	0	0	971
17:00	16	913	90	5	20	8	0	4	0	0	0	0	0	1056
18:00	10	797	89	1	6	7	1	1	1	0	0	0	0	913
19:00	1	586	57	0	10	3	0	1	3	0	0	0	0	661
20:00	0	408	46	0	3	1	0	0	0	0	0	0	0	458
21:00	0	293	25	0	4	1	0	0	0	0	0	0	0	323
22:00	2	122	13	0	1	0	0	0	1	0	0	0	0	139
23:00	0	70	9	0	0	0	0	0	0	0	0	0	0	79
Total	108	8085	1269	61	234	122	16	36	13	5	1	0	0	9950
Percent	1.1%	81.3%	12.8%	0.6%	2.4%	1.2%	0.2%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	11:00	11:00	08:00	10:00	07:00	10:00	07:00	11:00	05:00				11:00
PM Peak Vol.	15	459	82	8	22	12	4	5	2	1				587
PM Peak Vol.	17:00	17:00	15:00	12:00	13:00	12:00	12:00	15:00	19:00	13:00	15:00			17:00
PM Peak Vol.	16	913	126	7	25	12	3	7	3	1	1			1056



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Email: datarequests@pdillc.com

165313 C Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
06:00	0	24	7	0	2	0	0	0	0	0	0	0	0	33
01:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12
02:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7
03:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10
04:00	0	19	2	0	1	0	0	0	0	0	0	0	0	22
05:00	0	49	8	0	5	0	0	0	1	0	0	0	0	63
06:00	2	170	27	5	2	4	1	0	0	1	0	0	0	212
07:00	11	315	63	9	8	11	1	3	2	0	0	0	0	423
08:00	15	289	49	7	10	7	1	2	3	0	0	0	0	383
09:00	12	334	64	9	8	6	0	1	1	0	0	0	0	435
10:00	3	309	70	7	17	14	3	5	2	0	0	0	0	430
11:00	2	413	90	4	26	10	1	5	0	0	0	0	0	551
12 PM	5	408	76	4	19	11	3	5	2	0	0	0	0	533
13:00	6	436	76	23	11	11	4	4	1	0	0	0	0	572
14:00	4	495	96	5	19	12	1	6	2	0	0	0	0	640
15:00	7	690	149	11	26	15	0	5	0	0	0	0	0	903
16:00	8	773	132	2	21	7	0	7	1	0	0	0	0	951
17:00	5	940	89	1	16	8	0	4	1	0	0	0	0	1064
18:00	13	912	98	2	9	10	0	1	0	0	0	0	0	1045
19:00	2	660	49	1	6	1	0	0	1	0	0	0	0	720
20:00	0	411	37	0	8	2	0	0	0	0	0	0	0	458
21:00	1	356	31	0	2	1	0	0	3	0	0	0	0	394
22:00	1	189	12	0	3	0	0	0	0	0	0	0	0	205
23:00	0	91	7	0	3	0	0	0	0	0	0	0	0	101
Total	97	8307	1236	90	223	130	15	48	20	1	0	0	0	10167
Percent	1.0%	81.7%	12.2%	0.9%	2.2%	1.3%	0.1%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	11:00	11:00	07:00	11:00	10:00	10:00	10:00	08:00	06:00				11:00
PM Peak Vol.	15	413	90	9	26	14	3	5	3	1				551
PM Peak Vol.	18:00	17:00	15:00	13:00	15:00	15:00	13:00	16:00	21:00					17:00
PM Peak Vol.	13	940	149	23	26	15	4	7	3					1064



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Email: datarequests@pdillc.com

165313 C Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
<b>10/14/1</b>														
01:00	0	15	4	1	1	0	0	0	0	0	0	0	0	39
02:00	0	8	2	0	0	0	0	0	0	0	0	0	0	21
03:00	0	16	1	1	0	0	0	0	0	0	0	0	0	10
04:00	0	14	1	1	1	1	0	0	0	0	0	0	0	18
05:00	1	52	12	0	3	0	0	0	0	0	0	0	0	68
06:00	1	164	31	6	7	2	1	0	2	0	0	0	0	214
07:00	16	282	37	11	12	5	2	2	0	0	0	0	0	367
08:00	9	272	66	5	10	7	1	2	0	0	0	0	0	372
09:00	7	332	59	7	11	9	1	2	1	0	0	0	0	429
10:00	2	330	68	9	13	12	0	4	1	0	1	0	0	440
11:00	1	350	62	8	19	4	0	2	3	0	0	0	0	449
12 PM	1	434	97	5	14	9	3	6	1	1	0	0	0	571
13:00	3	494	100	22	15	10	0	7	0	0	0	0	0	651
14:00	3	530	108	5	33	6	1	3	0	0	1	0	0	690
15:00	9	688	113	16	15	14	0	5	0	0	0	0	0	860
16:00	4	814	127	9	16	8	1	2	2	0	0	0	0	983
17:00	10	853	118	1	12	4	1	3	3	1	0	0	0	1006
18:00	6	886	78	2	5	10	0	1	0	0	0	0	0	988
19:00	5	551	68	1	7	0	0	0	0	0	0	0	0	632
20:00	1	360	37	0	4	0	0	1	0	0	0	0	0	403
21:00	3	367	50	0	6	1	0	0	0	0	0	0	0	427
22:00	0	209	27	0	1	0	0	0	0	0	0	0	0	237
23:00	0	119	20	0	4	1	0	0	0	0	0	0	0	144
Total	83	8172	1291	110	210	103	11	40	13	2	2	0	0	10037
Percent	0.8%	81.4%	12.9%	1.1%	2.1%	1.0%	0.1%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	11:00	10:00	07:00	11:00	10:00	07:00	10:00	11:00		10:00			11:00
PM Peak Vol.	16	350	68	11	19	12	2	4	3		1			449
PM Peak Vol.	17:00	18:00	16:00	13:00	14:00	15:00	12:00	13:00	17:00	12:00	14:00			17:00
PM Peak Vol.	10	886	127	22	33	14	3	7	3	1	1			1006



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165313 C Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	0	77	9	0	0	0	0	1	0	0	0	0	0	87
01:00	1	40	6	0	1	0	0	0	0	0	0	0	0	48
02:00	0	15	2	0	0	0	0	0	0	0	0	0	0	17
03:00	0	4	4	0	0	1	0	0	0	0	0	0	0	9
04:00	0	7	2	0	1	0	0	0	0	0	0	0	0	10
05:00	0	15	4	0	0	0	0	1	0	0	0	0	0	20
06:00	1	48	11	2	2	0	0	0	1	0	0	0	0	65
07:00	3	182	44	1	6	2	0	0	1	0	0	0	0	239
08:00	5	223	61	0	11	3	0	2	0	0	0	0	0	305
09:00	17	412	58	0	9	6	0	0	0	0	0	0	0	502
10:00	19	539	62	2	14	8	0	4	0	0	0	0	0	648
11:00	11	626	75	3	8	10	0	2	1	0	0	0	0	736
12 PM	12	649	59	1	9	13	1	2	1	0	0	0	0	747
13:00	13	685	62	1	9	8	0	4	0	0	0	0	0	782
14:00	14	628	44	5	6	6	0	0	1	0	0	0	0	704
15:00	19	598	63	2	7	7	0	2	0	0	0	0	0	698
16:00	10	516	50	1	5	8	0	0	0	0	0	0	0	590
17:00	9	486	43	1	3	4	0	4	0	0	0	0	0	550
18:00	4	431	42	0	6	0	0	0	0	0	0	0	0	483
19:00	2	345	45	0	6	1	0	0	0	0	0	0	0	399
20:00	3	311	35	0	6	0	0	0	0	0	0	0	0	355
21:00	3	278	29	0	1	2	0	0	0	0	0	0	0	313
22:00	0	219	23	0	1	0	0	0	0	0	0	0	0	243
23:00	0	130	15	0	3	0	0	0	0	0	0	0	0	148
Total	146	7464	848	19	114	79	1	22	5	0	0	0	0	8698
Percent	1.7%	85.8%	9.7%	0.2%	1.3%	0.9%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	11:00	11:00	11:00	10:00	11:00		10:00	06:00					11:00
PM Peak Vol.	19	626	75	3	14	10		4	1					736
PM Peak Vol.	15:00	13:00	15:00	14:00	12:00	12:00	12:00	13:00	12:00					13:00
PM Peak Vol.	19	685	63	5	9	13	1	4	1					782



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165313 C Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	18	3	0	2	0	0	0	0	0	0	0	0	23
01:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
02:00	0	4	0	0	1	0	0	0	0	0	0	0	0	5
03:00	0	15	1	0	1	0	0	0	0	0	0	0	0	17
04:00	0	40	11	0	4	1	0	0	0	0	0	0	0	56
05:00	1	219	80	2	27	0	0	0	2	0	0	0	0	331
06:00	5	744	165	5	54	3	1	6	2	0	0	0	0	985
07:00	19	726	125	2	26	8	2	6	0	1	0	0	0	915
08:00	13	688	105	6	24	5	1	3	0	0	0	0	0	845
09:00	7	563	114	3	30	6	0	4	0	0	1	0	0	728
10:00	10	455	109	4	26	3	1	1	0	0	0	0	0	609
11:00	10	485	106	4	29	7	1	5	0	0	0	0	0	647
12 PM	16	469	82	9	19	2	2	2	1	0	0	0	0	602
13:00	5	470	88	8	23	4	0	5	1	0	0	0	0	604
14:00	7	476	109	7	29	3	1	2	1	0	0	0	0	635
15:00	7	529	81	2	15	5	0	3	0	0	0	0	0	642
16:00	11	531	72	2	16	6	0	4	0	0	0	0	0	642
17:00	11	557	87	1	10	0	0	0	0	0	0	0	0	666
18:00	7	486	82	2	3	3	0	1	0	0	0	0	0	584
19:00	3	286	37	0	8	0	0	0	0	0	0	0	0	334
20:00	3	191	32	0	8	1	0	0	0	0	0	0	0	235
21:00	3	133	24	0	7	0	0	1	0	0	0	0	0	168
22:00	1	73	9	0	0	0	0	0	0	0	0	0	0	83
23:00	0	25	4	0	1	0	0	0	0	0	0	0	0	30
Total	139	8188	1526	57	363	57	9	43	7	1	1	0	0	10391
Percent	1.3%	78.8%	14.7%	0.5%	3.5%	0.5%	0.1%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	06:00	06:00	08:00	06:00	07:00	07:00	06:00	05:00	07:00	09:00			06:00
PM Peak Vol.	19	744	165	6	54	8	2	6	2	1	1			985
PM Peak Vol.	12:00	17:00	14:00	12:00	14:00	16:00	12:00	13:00	12:00					17:00
PM Peak Vol.	16	557	109	9	29	6	2	5	1					666



Hudson Road (Route 27) between  
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165313 C Class  
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EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
6	0	9	2	1	0	0	0	0	0	0	0	0	0	12
01:00	0	4	1	0	3	0	0	0	0	0	0	0	0	8
02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
03:00	0	6	1	1	0	0	0	0	0	0	0	0	0	8
04:00	0	41	17	0	2	0	0	0	0	0	0	0	0	60
05:00	3	244	80	0	24	0	0	0	0	0	0	0	0	351
06:00	7	800	157	3	46	8	2	7	0	0	0	0	0	1030
07:00	8	826	123	10	39	5	4	10	3	1	0	0	0	1029
08:00	15	675	117	13	26	4	4	2	2	0	0	0	0	858
09:00	13	570	80	4	31	10	3	2	0	0	0	0	0	713
10:00	5	449	98	10	24	3	1	5	2	0	0	0	0	597
11:00	8	382	103	1	31	4	0	3	0	0	0	0	0	532
12 PM	8	415	108	6	20	10	3	2	1	0	0	0	0	573
13:00	8	410	62	6	26	4	0	3	3	0	0	0	0	522
14:00	8	458	109	11	17	7	2	7	2	0	0	0	0	621
15:00	7	469	108	11	19	5	0	4	1	0	0	0	0	624
16:00	7	528	102	11	18	2	0	3	0	0	0	0	0	671
17:00	9	573	94	2	14	2	0	0	0	0	0	0	0	694
18:00	2	492	68	1	6	1	0	2	1	0	0	0	0	573
19:00	0	284	53	2	4	0	1	2	0	0	0	0	0	346
20:00	0	175	24	0	3	0	0	0	0	0	0	0	0	202
21:00	1	118	18	0	2	0	0	0	0	0	0	0	0	139
22:00	0	61	15	0	1	0	0	0	1	0	0	0	0	78
23:00	1	31	2	0	5	0	0	0	0	0	0	0	0	39
Total	110	8022	1543	93	361	65	20	52	16	1	0	0	0	10283
Percent	1.1%	78.0%	15.0%	0.9%	3.5%	0.6%	0.2%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	07:00	06:00	08:00	06:00	09:00	07:00	07:00	07:00	07:00				06:00
PM Peak Vol.	15	826	157	13	46	10	4	10	3	1				1030
PM Peak Vol.	17:00	17:00	14:00	14:00	13:00	12:00	12:00	14:00	13:00					17:00
PM Peak Vol.	9	573	109	11	26	10	3	7	3					694



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 C Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
06:00	6	21	4	0	1	0	0	0	0	0	0	0	0	26
01:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10
02:00	0	9	0	0	2	0	0	0	0	0	0	0	0	11
03:00	0	13	0	0	1	0	0	0	0	0	0	0	0	14
04:00	0	34	10	0	3	0	0	0	0	0	0	0	0	47
05:00	5	209	73	0	30	0	0	2	0	0	0	0	0	319
06:00	8	695	144	6	52	10	1	5	0	0	0	0	0	921
07:00	13	839	114	6	33	7	5	5	1	0	0	0	1	1024
08:00	11	681	110	13	19	5	1	6	1	0	0	0	1	848
09:00	15	515	77	3	26	10	4	7	0	0	0	0	0	657
10:00	1	423	95	4	30	2	0	5	1	0	0	0	0	561
11:00	10	440	96	11	17	3	0	4	0	1	0	0	0	582
12 PM	14	454	104	6	28	3	4	9	2	0	0	0	0	624
13:00	4	414	115	6	23	7	3	3	0	0	0	0	0	575
14:00	8	511	89	13	17	3	4	4	0	1	0	0	0	650
15:00	7	535	106	10	21	3	0	2	0	0	0	0	0	684
16:00	7	509	88	10	11	5	1	0	1	0	0	0	0	632
17:00	16	542	84	2	11	3	1	0	0	0	0	0	0	659
18:00	8	543	80	2	5	2	0	2	0	0	0	0	0	642
19:00	1	325	69	1	3	2	0	1	0	0	0	0	0	402
20:00	3	201	29	0	5	0	0	0	0	0	0	0	0	238
21:00	1	157	21	0	5	0	0	0	0	0	0	0	0	184
22:00	2	108	15	0	1	0	0	0	0	0	0	0	0	126
23:00	1	79	14	0	7	0	0	0	0	0	0	0	0	101
Total	135	8265	1539	93	351	65	24	55	6	2	0	2	0	10537
Percent	1.3%	78.4%	14.6%	0.9%	3.3%	0.6%	0.2%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	09:00	07:00	06:00	08:00	06:00	06:00	07:00	09:00	07:00	11:00		07:00		07:00
PM Peak Vol.	15	839	144	13	52	10	5	7	1	1		1		1024
PM Peak Vol.	17:00	18:00	13:00	14:00	12:00	13:00	12:00	12:00	12:00	14:00				15:00
PM Peak Vol.	16	543	115	13	28	7	4	9	2	1				684



Hudson Road (Route 27) between  
 Peakham Road and Concord Road  
 City, State: Sudbury, MA  
 Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdillc.com

165313 C Class  
 Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	6	22	5	1	2	0	0	0	0	0	0	0	0	30
01:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19
02:00	0	10	4	0	1	0	0	1	0	0	0	0	0	16
03:00	0	11	3	0	0	0	0	0	0	0	0	0	0	14
04:00	0	13	6	0	1	0	0	0	0	0	0	0	0	20
05:00	0	42	17	0	3	0	0	0	0	0	0	0	0	62
06:00	0	135	45	2	12	6	0	2	0	0	0	0	0	202
07:00	2	351	57	3	11	0	0	1	0	0	0	0	0	425
08:00	9	447	77	2	17	1	0	3	0	0	0	0	0	556
09:00	6	525	100	2	13	2	0	3	0	0	0	0	0	651
10:00	10	576	111	1	13	0	0	1	0	0	0	0	0	712
11:00	11	624	92	0	9	1	0	1	0	0	0	0	0	738
12 PM	15	604	89	1	10	5	0	2	0	0	0	0	0	726
13:00	6	594	73	0	11	2	0	0	0	0	0	0	0	686
14:00	14	567	70	2	10	2	1	2	0	0	0	0	0	668
15:00	13	584	61	3	10	1	0	1	0	0	0	0	0	673
16:00	15	608	67	2	11	6	0	6	0	0	0	0	0	715
17:00	10	620	75	0	6	6	0	4	0	0	0	0	0	721
18:00	5	523	80	0	9	2	0	0	0	0	0	0	0	619
19:00	4	286	51	0	5	0	0	0	0	0	0	0	0	346
20:00	2	172	36	0	6	1	0	0	0	0	0	0	0	217
21:00	1	159	32	0	2	0	0	0	1	0	0	0	0	195
22:00	1	120	16	0	2	0	0	0	0	0	0	0	0	139
23:00	0	68	14	0	3	0	0	0	0	0	0	0	0	85
Total	124	7678	1183	19	167	35	1	27	1	0	0	0	0	9235
Percent	1.3%	83.1%	12.8%	0.2%	1.8%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	11:00	10:00	07:00	08:00	06:00		08:00						11:00
PM Peak Vol.	11	624	111	3	17	6		3						738
PM Peak Vol.	12:00	17:00	12:00	15:00	13:00	16:00	14:00	16:00	21:00					12:00
PM Peak Vol.	15	620	89	3	11	6	1	6	1					726



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Email: datarequests@pdillc.com

165313 C Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																	
16	0	0	1	0	7	22	3	0	0	0	0	0	0	0	33	38	36
01:00	0	0	0	1	1	10	2	<b>3</b>	0	0	0	0	0	0	17	44	38
02:00	0	0	0	0	5	4	1	0	0	0	0	0	0	0	10	38	35
03:00	0	0	0	0	4	3	1	0	0	0	0	0	0	0	8	38	35
04:00	0	0	0	3	6	9	2	1	0	0	0	0	0	0	21	38	35
05:00	1	3	6	1	22	31	7	1	<b>1</b>	0	0	0	0	0	73	38	34
06:00	1	3	19	23	64	51	<b>12</b>	1	0	0	0	0	0	0	174	37	32
07:00	<b>6</b>	2	66	46	105	72	5	1	0	0	0	0	0	0	303	36	30
08:00	3	16	<b>88</b>	81	165	77	5	0	0	0	0	0	0	0	435	35	29
09:00	1	6	30	89	190	85	4	0	0	0	0	0	0	0	405	35	31
10:00	2	13	23	109	239	<b>106</b>	8	0	0	0	0	0	0	0	500	35	31
11:00	5	<b>38</b>	74	<b>134</b>	<b>270</b>	62	3	1	0	0	0	0	0	0	<b>587</b>	33	29
12 PM	8	<b>42</b>	54	159	285	80	7	1	0	0	0	0	0	0	636	33	29
13:00	1	12	39	163	318	106	3	0	0	0	0	0	0	0	642	34	31
14:00	7	25	49	188	318	100	3	1	0	0	0	0	0	0	691	34	30
15:00	7	24	95	231	388	67	3	0	0	0	0	0	0	0	815	33	29
16:00	10	30	<b>103</b>	250	<b>461</b>	<b>114</b>	2	0	0	0	0	0	0	<b>1</b>	971	33	30
17:00	<b>17</b>	18	92	<b>403</b>	447	71	<b>8</b>	0	0	0	0	0	0	0	<b>1056</b>	33	29
18:00	3	28	77	326	421	54	4	0	0	0	0	0	0	0	913	33	29
19:00	1	13	23	173	357	90	4	0	0	0	0	0	0	0	661	33	31
20:00	0	5	12	87	272	76	6	0	0	0	0	0	0	0	458	34	32
21:00	0	1	3	41	188	84	6	0	0	0	0	0	0	0	323	36	33
22:00	0	0	0	8	67	57	4	<b>2</b>	<b>1</b>	0	0	0	0	0	139	37	34
23:00	0	1	0	2	36	34	5	0	1	0	0	0	0	0	79	38	35
Total	73	280	854	2518	4636	1465	108	12	3	0	0	0	0	<b>1</b>	9950		
%	0.7%	2.8%	8.6%	25.3%	46.6%	14.7%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	11:00	08:00	11:00	11:00	10:00	06:00	01:00	05:00						11:00		
PM Peak Vol.	6	38	88	134	270	106	12	3	1						587		
	17:00	12:00	16:00	17:00	16:00	16:00	17:00	22:00	22:00						16:00	17:00	
	17	42	103	403	461	114	8	2	1						<b>1</b>	1056	

Stats                    15th Percentile : 24 MPH  
                       50th Percentile : 30 MPH  
                       85th Percentile : 34 MPH  
                       95th Percentile : 37 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 7154  
 Percent in Pace : 71.9%  
 Number of Vehicles > 30 MPH : 5298  
 Percent of Vehicles > 30 MPH : 53.2%



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
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Client: VHB/ K. Wenners

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Email: datarequests@pdillc.com

165313 C Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																	
16	0	0	0	3	13	14	3	0	0	0	0	0	0	0	33	38	35
01:00	0	0	0	1	5	4	2	0	0	0	0	0	0	0	12	39	35
02:00	0	0	0	0	3	2	2	0	0	0	0	0	0	0	7	41	36
03:00	0	0	0	0	4	6	0	0	0	0	0	0	0	0	10	37	35
04:00	0	0	0	3	3	7	9	0	0	0	0	0	0	0	22	42	37
05:00	0	6	3	1	20	26	5	<b>2</b>	0	0	0	0	0	0	63	38	33
06:00	5	3	38	26	100	37	3	0	0	0	0	0	0	0	212	35	30
07:00	6	7	81	110	173	46	0	0	0	0	0	0	0	0	423	33	29
08:00	<b>11</b>	<b>12</b>	<b>90</b>	81	130	56	3	0	0	0	0	0	0	0	383	34	28
09:00	7	<b>21</b>	82	<b>120</b>	153	47	5	0	0	0	0	0	0	0	435	33	28
10:00	6	9	12	81	209	104	9	0	0	0	0	0	0	0	430	36	32
11:00	1	10	28	94	<b>287</b>	<b>120</b>	<b>10</b>	1	0	0	0	0	0	0	<b>551</b>	36	32
12 PM	10	32	36	108	254	84	9	0	0	0	0	0	0	0	533	34	30
13:00	12	25	57	153	228	93	4	0	0	0	0	0	0	0	572	34	29
14:00	5	12	54	159	316	89	5	0	0	0	0	0	0	0	640	33	30
15:00	<b>23</b>	49	124	323	322	59	3	0	0	0	0	0	0	0	903	32	28
16:00	8	18	93	312	<b>444</b>	71	5	0	0	0	0	0	0	0	951	33	29
17:00	18	54	<b>185</b>	443	317	45	1	0	<b>1</b>	0	0	0	0	0	<b>1064</b>	32	27
18:00	19	<b>57</b>	144	<b>485</b>	298	42	0	0	0	0	0	0	0	0	1045	32	27
19:00	11	12	39	212	343	<b>96</b>	7	0	0	0	0	0	0	0	720	33	30
20:00	0	5	19	69	276	83	5	1	0	0	0	0	0	0	458	35	32
21:00	0	0	1	65	229	92	6	1	0	0	0	0	0	0	394	36	33
22:00	0	1	1	9	97	83	<b>13</b>	1	0	0	0	0	0	0	205	37	34
23:00	0	1	0	5	37	47	9	<b>2</b>	0	0	0	0	0	0	101	38	35
Total	142	334	1087	2863	4261	1353	118	8	1	0	0	0	0	0	10167		
%	1.4%	3.3%	10.7%	28.2%	41.9%	13.3%	1.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	09:00	08:00	09:00	11:00	11:00	11:00	05:00							11:00		
PM Peak Vol.	11	21	90	120	<b>287</b>	120	10	2							<b>551</b>		
	15:00	18:00	17:00	18:00	16:00	19:00	22:00	23:00	17:00						17:00		
	23	57	185	485	444	96	13	2	1						1064		

Stats                    15th Percentile : 23 MPH  
                       50th Percentile : 29 MPH  
                       85th Percentile : 33 MPH  
                       95th Percentile : 37 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 7124  
 Percent in Pace : 70.1%  
 Number of Vehicles > 30 MPH : 4889  
 Percent of Vehicles > 30 MPH : 48.1%



Hudson Road (Route 27) between  
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165313 C Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	4	14	13	6	2	0	0	0	0	0	0	0	39	40	35	
01:00	0	0	0	1	3	10	7	0	0	0	0	0	0	0	0	21	41	37	
02:00	0	0	0	0	1	7	2	0	0	0	0	0	0	0	0	10	40	38	
03:00	0	0	1	0	7	5	5	0	0	0	0	0	0	0	0	18	41	36	
04:00	0	0	0	0	7	6	3	2	0	0	0	0	0	0	0	18	42	37	
05:00	0	2	7	2	20	25	8	4	0	0	0	0	0	0	0	68	40	34	
06:00	1	1	21	24	95	61	11	0	0	0	0	0	0	0	0	214	37	32	
07:00	<b>10</b>	6	<b>106</b>	67	129	47	2	0	0	0	0	0	0	0	0	367	33	28	
08:00	7	12	66	<b>90</b>	143	49	3	2	0	0	0	0	0	0	0	372	33	29	
09:00	6	15	62	86	202	53	5	0	0	0	0	0	0	0	0	429	33	29	
10:00	2	7	15	72	<b>233</b>	103	8	0	0	0	0	0	0	0	0	440	36	32	
11:00	2	<b>17</b>	24	69	218	<b>109</b>	9	1	0	0	0	0	0	0	0	<b>449</b>	36	31	
12 PM	7	25	46	136	274	77	5	1	0	0	0	0	0	0	0	571	33	30	
13:00	2	14	37	135	331	123	8	0	0	0	0	0	0	0	1	651	35	31	
14:00	17	35	68	120	318	<b>125</b>	6	1	0	0	0	0	0	0	0	690	35	30	
15:00	6	17	83	264	394	93	3	0	0	0	0	0	0	0	0	860	33	30	
16:00	20	30	95	270	<b>454</b>	107	6	1	0	0	0	0	0	0	0	983	33	29	
17:00	<b>42</b>	43	118	<b>379</b>	357	63	4	0	0	0	0	0	0	0	0	<b>1006</b>	32	28	
18:00	34	<b>63</b>	<b>163</b>	373	295	59	1	0	0	0	0	0	0	0	0	988	32	27	
19:00	4	32	37	160	311	83	4	1	0	0	0	0	0	0	0	632	33	30	
20:00	1	10	22	50	204	111	5	0	0	0	0	0	0	0	0	403	36	32	
21:00	2	11	17	49	255	83	9	1	0	0	0	0	0	0	0	427	35	32	
22:00	0	3	3	16	128	81	6	0	0	0	0	0	0	0	0	237	37	33	
23:00	1	1	0	5	45	78	<b>13</b>	0	0	1	0	0	0	0	0	144	38	35	
Total	164	344	991	2372	4438	1571	139	16	0	1	0	0	0	0	1	10037			
%	1.6%	3.4%	9.9%	23.6%	44.2%	15.7%	1.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	07:00	11:00	07:00	08:00	10:00	11:00	06:00	05:00									11:00		
PM Peak Vol.	10	17	106	90	233	109	11	4									449		
	17:00	18:00	18:00	17:00	16:00	14:00	23:00	12:00									13:00	17:00	
	42	63	163	379	<b>454</b>	125	13	1									1	1006	

Stats                    15th Percentile : 24 MPH  
                       50th Percentile : 30 MPH  
                       85th Percentile : 34 MPH  
                       95th Percentile : 37 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 6810  
 Percent in Pace : 67.8%  
 Number of Vehicles > 30 MPH : 5278  
 Percent of Vehicles > 30 MPH : 52.6%



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 C Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	3	33	41	7	<b>2</b>	<b>1</b>	0	0	0	0	0	0	0	87	38	36
01:00	1	1	2	2	12	17	<b>11</b>	1	1	0	0	0	0	0	0	0	48	41	35
02:00	0	0	0	0	4	9	4	0	0	0	0	0	0	0	0	0	17	40	37
03:00	0	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	9	37	34
04:00	0	0	0	0	1	7	2	0	0	0	0	0	0	0	0	0	10	40	38
05:00	0	0	0	1	5	10	4	0	0	0	0	0	0	0	0	0	20	40	36
06:00	0	2	0	1	17	32	11	2	0	0	0	0	0	0	0	0	65	40	36
07:00	1	12	11	33	107	66	8	1	0	0	0	0	0	0	0	0	239	36	32
08:00	0	8	16	40	155	<b>76</b>	10	0	0	0	0	0	0	0	0	0	305	36	32
09:00	2	<b>31</b>	52	117	233	59	8	0	0	0	0	0	0	0	0	0	502	33	30
10:00	4	10	48	221	290	72	3	0	0	0	0	0	0	0	0	0	648	33	30
11:00	<b>6</b>	27	<b>108</b>	<b>225</b>	<b>323</b>	45	2	0	0	0	0	0	0	0	0	0	<b>736</b>	33	29
12 PM	<b>27</b>	42	164	299	182	33	0	0	0	0	0	0	0	0	0	0	747	31	26
13:00	16	<b>44</b>	<b>200</b>	<b>303</b>	195	22	1	1	0	0	0	0	0	0	0	0	<b>782</b>	31	26
14:00	16	38	170	253	190	32	4	1	0	0	0	0	0	0	0	0	704	32	27
15:00	5	24	116	248	<b>270</b>	33	0	0	<b>1</b>	0	<b>1</b>	0	0	0	0	0	698	32	28
16:00	9	12	124	163	231	49	2	0	0	0	0	0	0	0	0	0	590	33	28
17:00	6	10	89	175	214	54	1	1	0	0	0	0	0	0	0	0	550	33	29
18:00	5	20	36	122	241	53	5	1	0	0	0	0	0	0	0	0	483	33	30
19:00	4	9	18	74	221	70	3	0	0	0	0	0	0	0	0	0	399	34	31
20:00	7	15	12	61	170	84	5	0	0	0	0	0	0	<b>1</b>	0	0	355	36	31
21:00	0	6	2	32	168	<b>95</b>	<b>10</b>	0	0	0	0	0	0	0	0	0	313	37	33
22:00	0	0	1	25	136	73	6	<b>2</b>	0	0	0	0	0	0	0	0	243	37	33
23:00	0	1	0	6	83	52	5	1	0	0	0	0	0	0	0	0	148	37	34
Total %	109	312	1169	2404	3486	1088	112	13	3	0	1	1	1	0	0	0	8698		
AM Peak Vol.	11:00	09:00	11:00	11:00	11:00	08:00	01:00	00:00	00:00								11:00		
PM Peak Vol.	6	31	108	225	323	76	11	2	1								736		
Stats	15th Percentile : 22 MPH 50th Percentile : 29 MPH 85th Percentile : 33 MPH 95th Percentile : 37 MPH																		
	Mean Speed(Average) : 29 MPH 10 MPH Pace Speed : 25-34 MPH Number in Pace : 5890 Percent in Pace : 67.7%																		
	Number of Vehicles > 30 MPH : 4007 Percent of Vehicles > 30 MPH : 46.1%																		



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 C Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																	
16	0	0	0	2	7	12	2	0	0	0	0	0	0	0	23	38	35
01:00	0	0	0	1	0	4	0	0	0	0	0	0	0	0	5	38	35
02:00	0	0	0	0	3	1	0	0	1	0	0	0	0	0	5	50	37
03:00	0	0	0	0	4	10	2	1	0	0	0	0	0	0	17	40	37
04:00	0	0	1	0	13	29	12	1	0	0	0	0	0	0	56	40	37
05:00	1	0	8	38	129	<b>129</b>	<b>21</b>	<b>5</b>	0	0	0	0	0	0	331	38	34
06:00	73	112	237	<b>263</b>	211	83	6	0	0	0	0	0	0	0	<b>985</b>	32	25
07:00	<b>187</b>	<b>193</b>	273	149	101	8	4	0	0	0	0	0	0	0	915	28	20
08:00	136	190	<b>343</b>	132	40	4	0	0	0	0	0	0	0	0	845	25	20
09:00	50	68	160	215	193	41	0	1	0	0	0	0	0	0	728	32	26
10:00	22	15	52	179	<b>268</b>	68	5	0	0	0	0	0	0	0	609	33	29
11:00	92	100	141	173	120	19	2	0	0	0	0	0	0	0	647	30	23
12 PM	68	27	104	182	178	40	3	0	0	0	0	0	0	0	602	32	26
13:00	21	37	85	191	<b>229</b>	39	2	0	0	0	0	0	0	0	604	32	28
14:00	32	35	135	210	187	33	3	0	0	0	0	0	0	0	635	32	26
15:00	<b>76</b>	<b>116</b>	<b>207</b>	152	85	5	1	0	0	0	0	0	0	0	642	28	22
16:00	33	50	157	222	156	23	1	0	0	0	0	0	0	0	642	31	26
17:00	32	63	119	<b>244</b>	186	20	1	0	1	0	0	0	0	0	<b>666</b>	31	26
18:00	21	56	128	202	141	34	2	0	0	0	0	0	0	0	584	32	26
19:00	8	5	32	105	141	43	0	0	0	0	0	0	0	0	334	33	29
20:00	4	0	9	55	110	<b>52</b>	<b>5</b>	0	0	0	0	0	0	0	235	36	31
21:00	8	1	5	28	87	38	1	0	0	0	0	0	0	0	168	35	31
22:00	2	1	2	10	36	27	5	0	0	0	0	0	0	0	83	37	33
23:00	1	0	3	2	10	11	3	0	0	0	0	0	0	0	30	38	33
Total	867	1069	2201	2755	2635	773	81	8	2	0	0	0	0	0	10391		
%	8.3%	10.3%	21.2%	26.5%	25.4%	7.4%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	07:00	08:00	06:00	10:00	05:00	05:00	05:00	02:00						06:00		
PM Peak Vol.	15:00	15:00	15:00	17:00	13:00	20:00	20:00			17:00					17:00		
	76	116	207	244	229	52	5			1					666		

Stats                    15th Percentile : 17 MPH  
                       50th Percentile : 25 MPH  
                       85th Percentile : 32 MPH  
                       95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5390  
 Percent in Pace : 51.9%  
 Number of Vehicles > 30 MPH : 2972  
 Percent of Vehicles > 30 MPH : 28.6%



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdillc.com

165313 C Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																	
	16	0	0	0	7	4	1	0	0	0	0	0	0	0	12	32	30
01:00	0	0	0	0	4	3	1	0	0	0	0	0	0	0	8	38	35
02:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	3	41	35
03:00	0	0	0	0	3	4	1	0	0	0	0	0	0	0	8	38	36
04:00	0	0	3	5	16	28	7	1	0	0	0	0	0	0	60	38	35
05:00	0	0	5	48	158	<b>120</b>	<b>20</b>	0	0	0	0	0	0	0	351	37	33
06:00	156	205	367	171	98	33	0	0	0	0	0	0	0	0	<b>1030</b>	28	21
07:00	174	<b>306</b>	<b>449</b>	92	7	1	0	0	0	0	0	0	0	0	1029	23	19
08:00	<b>201</b>	202	352	100	3	0	0	0	0	0	0	0	0	0	858	23	18
09:00	150	139	232	109	74	9	0	0	0	0	0	0	0	0	713	27	20
10:00	11	15	61	<b>234</b>	<b>220</b>	53	3	0	0	0	0	0	0	0	597	33	29
11:00	22	18	47	185	205	54	1	0	0	0	0	0	0	0	532	33	28
12 PM	23	21	84	202	186	56	1	0	0	0	0	0	0	0	573	33	28
13:00	26	37	87	150	188	32	2	0	0	0	0	0	0	0	522	32	27
14:00	<b>34</b>	32	118	214	181	41	1	0	0	0	0	0	0	0	621	32	27
15:00	28	28	123	222	183	37	3	0	0	0	0	0	0	0	624	32	27
16:00	23	32	102	209	<b>235</b>	<b>61</b>	<b>9</b>	0	0	0	0	0	0	0	671	33	28
17:00	22	<b>49</b>	<b>171</b>	<b>246</b>	174	32	0	0	0	0	0	0	0	0	<b>694</b>	31	26
18:00	9	20	83	227	189	44	1	0	0	0	0	0	0	0	573	32	28
19:00	4	5	24	135	137	37	4	0	0	0	0	0	0	0	346	33	30
20:00	4	1	16	29	110	39	3	0	0	0	0	0	0	0	202	35	31
21:00	2	0	8	27	61	35	6	0	0	0	0	0	0	0	139	36	32
22:00	1	0	1	10	38	25	3	0	0	0	0	0	0	0	78	37	33
23:00	0	0	2	6	14	15	2	0	0	0	0	0	0	0	39	37	33
Total	890	1110	2335	2629	2488	761	69	1	0	0	0	0	0	0	10283		
%	8.7%	10.8%	22.7%	25.6%	24.2%	7.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	07:00	07:00	10:00	10:00	05:00	05:00	04:00							06:00		
PM Peak Vol.	201	306	<b>449</b>	<b>234</b>	220	120	20	1							1030		

Stats	15th Percentile :	16 MPH
	50th Percentile :	25 MPH
	85th Percentile :	32 MPH
	95th Percentile :	36 MPH
	Mean Speed(Average) :	25 MPH
	10 MPH Pace Speed :	25-34 MPH
	Number in Pace :	5117
	Percent in Pace :	49.8%
	Number of Vehicles > 30 MPH :	2821
	Percent of Vehicles > 30 MPH :	27.4%



Hudson Road (Route 27) between  
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Client: VHB/ K. Wenners

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Email: datarequests@pdilc.com

165313 C Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																	
	16	0	0	0	4	13	7	1	0	1	0	0	0	0	26	37	34
01:00	0	0	0	1	2	4	3	0	0	0	0	0	0	0	10	41	36
02:00	0	0	0	2	2	2	3	2	0	0	0	0	0	0	11	44	37
03:00	0	0	0	0	6	5	2	1	0	0	0	0	0	0	14	41	36
04:00	0	0	2	2	15	19	7	1	1	0	0	0	0	0	47	40	36
05:00	2	1	8	51	116	<b>115</b>	<b>23</b>	<b>3</b>	0	0	0	0	0	0	319	38	33
06:00	79	109	209	<b>195</b>	237	88	4	0	0	0	0	0	0	0	921	33	25
07:00	<b>209</b>	<b>242</b>	<b>431</b>	121	21	0	0	0	0	0	0	0	0	0	<b>1024</b>	23	19
08:00	151	223	318	121	29	6	0	0	0	0	0	0	0	0	848	25	19
09:00	129	112	231	108	67	10	0	0	0	0	0	0	0	0	657	28	20
10:00	9	3	37	140	<b>261</b>	102	9	0	0	0	0	0	0	0	561	35	31
11:00	31	23	61	162	221	78	6	0	0	0	0	0	0	0	582	33	28
12 PM	32	<b>51</b>	124	191	188	35	3	0	0	0	0	0	0	0	624	32	26
13:00	19	23	65	167	<b>227</b>	<b>70</b>	4	0	0	0	0	0	0	0	575	33	29
14:00	16	28	77	<b>275</b>	216	36	2	0	0	0	0	0	0	0	650	32	28
15:00	31	51	143	242	191	24	2	0	0	0	0	0	0	0	<b>684</b>	31	26
16:00	20	44	115	209	202	41	1	0	0	0	0	0	0	0	632	32	27
17:00	<b>37</b>	46	139	225	173	36	3	0	0	0	0	0	0	0	659	32	26
18:00	26	37	<b>170</b>	261	128	18	2	0	0	0	0	0	0	0	642	31	26
19:00	9	7	40	161	151	30	2	<b>1</b>	<b>1</b>	0	0	0	0	0	402	33	29
20:00	5	4	16	63	100	44	<b>6</b>	0	0	0	0	0	0	0	238	35	30
21:00	0	4	8	44	89	33	6	0	0	0	0	0	0	0	184	35	31
22:00	4	2	4	22	55	37	2	0	0	0	0	0	0	0	126	36	31
23:00	0	3	2	12	53	29	2	0	0	0	0	0	0	0	101	36	32
Total	809	1013	2200	2779	2763	869	93	8	3	0	0	0	0	0	10537		
%	7.7%	9.6%	20.9%	26.4%	26.2%	8.2%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	07:00	07:00	06:00	10:00	05:00	05:00	05:00	00:00						07:00		
PM Peak Vol.	209	242	431	195	261	115	23	3	1						1024		
	17:00	12:00	18:00	14:00	13:00	13:00	20:00	19:00	19:00						15:00		
	37	51	170	275	227	70	6	1	1						684		

Stats                    15th Percentile : 17 MPH  
                       50th Percentile : 26 MPH  
                       85th Percentile : 32 MPH  
                       95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 5542  
 Percent in Pace : 52.6%  
 Number of Vehicles > 30 MPH : 3183  
 Percent of Vehicles > 30 MPH : 30.2%



Hudson Road (Route 27) between  
Peakham Road and Concord Road  
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Email: datarequests@pdilc.com

165313 C Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																	
	16	0	0	0	13	7	8	0	1	<b>1</b>	0	0	0	0	30	37	32
01:00	1	1	1	1	6	8	1	0	0	0	0	0	0	0	19	37	32
02:00	0	0	1	3	5	4	3	0	0	0	0	0	0	0	16	40	34
03:00	0	0	1	0	9	4	0	0	0	0	0	0	0	0	14	36	33
04:00	0	0	0	2	7	7	4	0	0	0	0	0	0	0	20	40	35
05:00	0	0	0	6	23	23	8	<b>2</b>	0	0	0	0	0	0	62	39	35
06:00	1	3	0	24	104	59	<b>9</b>	2	0	0	0	0	0	0	202	37	33
07:00	12	13	45	124	171	56	4	0	0	0	0	0	0	0	425	33	29
08:00	17	18	56	182	<b>218</b>	<b>61</b>	4	0	0	0	0	0	0	0	556	33	29
09:00	36	65	92	195	215	46	1	1	0	0	0	0	0	0	651	32	27
10:00	32	51	137	253	202	37	0	0	0	0	0	0	0	0	712	32	26
11:00	<b>54</b>	<b>74</b>	<b>170</b>	<b>255</b>	156	29	0	0	0	0	0	0	0	0	<b>738</b>	31	25
12 PM	115	155	<b>247</b>	148	53	8	0	0	0	0	0	0	0	0	<b>726</b>	27	21
13:00	75	123	221	187	68	11	1	0	0	0	0	0	0	0	686	28	22
14:00	180	138	231	81	35	3	0	0	0	0	0	0	0	0	668	25	18
15:00	75	109	180	<b>200</b>	103	5	1	0	0	0	0	0	0	0	673	29	23
16:00	190	<b>177</b>	214	85	44	5	0	0	0	0	0	0	0	0	715	25	18
17:00	<b>195</b>	150	215	109	48	4	0	0	0	0	0	0	0	0	721	26	19
18:00	59	49	132	200	148	27	4	0	0	0	0	0	0	0	619	31	25
19:00	9	3	12	95	<b>177</b>	46	4	0	0	0	0	0	0	0	346	33	30
20:00	5	6	13	56	97	37	3	0	0	0	0	0	0	0	217	35	30
21:00	5	2	8	42	87	<b>49</b>	2	0	0	0	0	0	0	0	195	36	31
22:00	3	2	2	21	72	31	<b>7</b>	<b>1</b>	0	0	0	0	0	0	139	36	32
23:00	1	0	1	16	46	18	3	0	0	0	0	0	0	0	85	36	32
Total	1065	1139	1979	2298	2101	586	59	7	1	0	0	0	0	0	9235		
%	11.5%	12.3%	21.4%	24.9%	22.8%	6.3%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	11:00	11:00	11:00	11:00	08:00	08:00	06:00	05:00	00:00						11:00		
PM Peak Vol.	54	74	170	255	218	61	9	2	1						738		
	195	<b>177</b>	<b>247</b>	200	177	49	7	1							726		

Stats                    15th Percentile : 15 MPH  
                       50th Percentile : 24 MPH  
                       85th Percentile : 32 MPH  
                       95th Percentile : 35 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 4399  
 Percent in Pace : 47.6%  
 Number of Vehicles > 30 MPH : 2334  
 Percent of Vehicles > 30 MPH : 25.3%



46 Morton Street, Framingham, MA 01702  
 Office: 508-875-0100 Fax: 508-875-0118  
 Email: datarequests@pdilc.com

Morse Road  
 east of Codman Drive  
 City, State: Sudbury, MA  
 Client: VHB/ K. Wenners

165313 D Volume  
 Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	0	2	1	2	1	2	0	4	*	*	*	*	*	*	0	2
01:00	0	0	0	2	0	2	0	0	*	*	*	*	*	*	0	1
02:00	2	0	0	0	0	0	1	0	*	*	*	*	*	*	1	0
03:00	0	0	0	0	0	0	0	0	*	*	*	*	*	*	0	0
04:00	2	2	1	1	1	0	0	0	*	*	*	*	*	*	1	1
05:00	10	0	22	1	19	3	0	1	*	*	*	*	*	*	13	1
06:00	54	4	74	9	49	8	13	3	*	*	*	*	*	*	48	6
07:00	117	9	360	50	321	46	61	30	*	*	*	*	*	*	215	34
08:00	108	24	209	53	158	39	65	27	*	*	*	*	*	*	135	36
09:00	82	41	59	36	68	33	76	42	*	*	*	*	*	*	71	38
10:00	60	37	56	37	56	35	68	55	*	*	*	*	*	*	60	41
11:00	47	44	48	32	36	41	69	67	*	*	*	*	*	*	50	46
12:00 PM	59	47	46	43	52	50	66	128	*	*	*	*	*	*	56	67
01:00	53	54	48	44	46	44	69	60	*	*	*	*	*	*	54	50
02:00	54	63	58	88	55	98	60	52	*	*	*	*	*	*	57	75
03:00	54	66	69	141	63	150	42	49	*	*	*	*	*	*	57	102
04:00	38	91	62	144	64	129	56	79	*	*	*	*	*	*	55	111
05:00	61	140	63	229	71	215	43	48	*	*	*	*	*	*	60	158
06:00	40	92	58	153	82	131	44	54	*	*	*	*	*	*	56	108
07:00	28	60	35	54	54	64	30	42	*	*	*	*	*	*	37	55
08:00	12	37	19	42	27	51	21	33	*	*	*	*	*	*	20	41
09:00	9	26	7	28	12	50	14	29	*	*	*	*	*	*	10	33
10:00	5	7	4	19	11	22	15	23	*	*	*	*	*	*	9	18
11:00	0	3	2	10	6	9	9	14	*	*	*	*	*	*	4	9
Total Day	895	849	1301	1218	1252	1222	822	840	0	0	0	0	0	0	1069	1033
AM Peak Vol.	07:00	11:00	07:00	08:00	07:00	07:00	09:00	11:00	-	-	-	-	-	-	07:00	11:00
PM Peak Vol.	17:00	17:00	15:00	17:00	18:00	17:00	13:00	12:00	-	-	-	-	-	-	17:00	17:00

Comb. Total	1744	2519	2474	1662	0	0	0	0	0	0	0	0	0	0	2102
ADT	ADT 2,100	AADT 2,100													

Morse Road  
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165313 D Volume  
Site Code: TBA

Start	EB			WB			Combined		12-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Wed
12:00	0		16	1		16	1	32	
12:15	0		15	1		16	1	31	
12:30	0		10	0		7	0	17	
12:45	0	0	18	59	0	2	8	47	106
01:00	0		16	0		16	0	32	
01:15	0		11	0		9	0	20	
01:30	0		14	0		14	0	28	
01:45	0	0	12	53	0	0	15	54	107
02:00	0		12	0		13	0	25	
02:15	2		11	0		21	2	32	
02:30	0		14	0		13	0	27	
02:45	0	2	17	54	0	0	16	63	117
03:00	0		17	0		19	0	36	
03:15	0		17	0		13	0	30	
03:30	0		9	0		17	0	26	
03:45	0	0	11	54	0	0	17	66	120
04:00	1	8		1		23	2	31	
04:15	1		10	0		20	1	30	
04:30	0		9	1		21	1	30	
04:45	0	2	11	38	0	2	27	91	129
05:00	2		11	0		35	2	46	
05:15	3		18	0		38	3	56	
05:30	2		14	0		30	2	44	
05:45	3	10	18	61	0	0	37	140	201
06:00	6		7	1		43	7	50	
06:15	14		12	0		20	14	32	
06:30	13		10	0		16	13	26	
06:45	21	54	11	40	3	4	13	92	132
07:00	26		6	0		15	26	21	
07:15	25		7	4		15	29	22	
07:30	44		12	2		17	46	29	
07:45	22	117	3	28	3	9	13	60	88
08:00	42		4	7		13	49	17	
08:15	24		3	3		12	27	15	
08:30	21		3	5		7	26	10	
08:45	21	108	2	12	9	24	5	37	49
09:00	19		5		12	5	31	10	
09:15	23		2		11	9	34	11	
09:30	20		1		12	7	32	8	
09:45	20	82	1	9	6	41	5	26	35
10:00	19		0		12	2	31	2	
10:15	16		3		11	3	27	6	
10:30	12		0		5	2	17	2	
10:45	13	60	2	5	9	37	0	7	12
11:00	8		0		10	2	18	2	
11:15	12		0		9	0	21	0	
11:30	17		0		13	1	30	1	
11:45	10		47	0	0	12	44	0	3
Total	482		413		163		686	645	1099
Percent	74.7%		37.6%		25.3%		62.4%		
Day Total		895			849			1744	
Peak Vol.	07:15 133	-	02:30 65	-	08:45 44	-	05:15 148	-	07:15 149
P.H.F.	0.756		0.903		0.917		0.860		0.760
									0.915

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165313 D Volume  
Site Code: TBA

Start Time	EB		WB			Combined		13-Oct-16 Thu
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	0	13	1	15	1	28		
12:15	0	11	1	11	1	22		
12:30	0	12	0	8	0	20		
12:45	1	10	46	0	2	43	1	89
01:00	0	5	1	9	1	14		
01:15	0	13	1	7	1	20		
01:30	0	17	0	16	0	33		
01:45	0	0	13	48	0	2	25	92
02:00	0	7	0	15	0	22		
02:15	0	18	0	16	0	34		
02:30	0	13	0	15	0	28		
02:45	0	0	20	58	0	42	88	
03:00	0	16	0	25	0	0	41	
03:15	0	24	0	28	0	0	52	
03:30	0	17	0	53	0	0	70	
03:45	0	0	12	69	0	35	141	
04:00	0	17	0	31	0	0	48	
04:15	0	13	0	32	0	0	45	
04:30	0	18	0	25	0	0	43	
04:45	1	1	14	62	1	56	144	
05:00	3	20	0	69	3	3	89	
05:15	3	17	0	48	3	3	65	
05:30	4	12	0	58	4	4	70	
05:45	12	22	14	63	1	54	229	
06:00	11	9	1	71	12	12	80	
06:15	10	16	0	19	10	10	35	
06:30	11	8	1	31	12	12	39	
06:45	42	74	25	58	7	32	153	
07:00	71	12	8	13	79	79	25	
07:15	101	8	12	17	113	113	25	
07:30	119	7	13	13	132	132	20	
07:45	69	360	8	35	17	50	11	
08:00	61	6	8	17	69	69	23	
08:15	43	6	9	9	52	52	15	
08:30	51	4	12	13	63	63	17	
08:45	54	209	3	19	24	53	3	
09:00	12	2	16	5	42	78	262	
09:15	14	2	7	10	28	28	7	
09:30	17	2	5	6	21	21	12	
09:45	16	59	1	8	36	7	22	
10:00	13	4	10	36	28	24	95	
10:15	11	0	10	5	23	23	9	
10:30	15	0	8	6	21	21	6	
10:45	17	56	0	37	2	23	2	
11:00	16	0	4	6	19	26	6	
11:15	10	0	9	5	21	93	23	
11:30	11	0	10	3	21	20	5	
11:45	11	48	2	32	0	80	2	
Total	830	471	223	995	1053	1466		
Percent	78.8%	32.1%	21.2%	67.9%				
Day Total		1301		1218		2519		
Peak Vol.	07:00	-	02:45	-	08:15	-	04:45	-
	360	-	77	-	61	-	410	-
P.H.F.	0.756		0.802		0.635		0.837	
						0.777		0.826

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165313 D Volume  
Site Code: TBA

Start	EB			WB			Combined		14-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Fri
12:00	0		15	1		10	1	25	
12:15	1		20	0		16	1	36	
12:30	0		5	0		14	0	19	
12:45	0	1	12	52	1	2	10	50	102
01:00	0		13	1		7	1	20	
01:15	0		11	0		8	0	19	
01:30	0		14	1		9	1	23	
01:45	0	0	8	46	0	2	20	44	90
02:00	0		10	0		14	0	24	
02:15	0		14	0		8	0	22	
02:30	0		16	0		24	0	40	
02:45	0	0	15	55	0	0	52	98	153
03:00	0		20	0		29	0	49	
03:15	0		22	0		23	0	45	
03:30	0		11	0		63	0	74	
03:45	0	0	10	63	0	0	35	150	213
04:00	0		18	0		26	0	44	
04:15	0		13	0		37	0	50	
04:30	0		12	0		34	0	46	
04:45	1	1	21	64	0	0	32	129	193
05:00	3		22	0		57	3	79	
05:15	2		14	0		55	2	69	
05:30	6		16	1		57	7	73	
05:45	8	19	19	71	2	3	46	215	286
06:00	11		15	0		41	11	56	
06:15	5		19	0		30	5	49	
06:30	9		24	3		32	12	56	
06:45	24	49	24	82	5	8	28	131	213
07:00	57		23		11		21	68	44
07:15	88		12		13		20	101	32
07:30	112		9		13		11	125	20
07:45	64	321	10	54	9	46	12	64	367
08:00	39		6		4		9	43	15
08:15	31		5		6		15	37	20
08:30	49		8		5		12	54	20
08:45	39	158	8	27	24	39	15	51	197
09:00	16		5		11		14	27	19
09:15	18		5		9		16	27	21
09:30	17		1		6		11	23	12
09:45	17	68	1	12	7	33	9	50	101
10:00	14		2		9		7	23	9
10:15	11		3		9		3	20	6
10:30	14		1		6		7	20	8
10:45	17	56	5	11	11	35	5	22	28
11:00	8		2		11		1	19	3
11:15	6		4		6		3	12	7
11:30	9		0		13		2	22	2
11:45	13		36	0	6	11	41	9	77
Total	709		543		209		1013	918	1556
Percent	77.2%		34.9%		22.8%		65.1%		
Day Total		1252			1222			2474	
Peak Vol.	07:00	-	06:15	-	08:45	-	05:00	-	05:00
P.H.F.	321	-	90	-	50	-	215	-	286
	0.717		0.938		0.521		0.943		0.905

Morse Road  
east of Codman Drive  
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165313 D Volume  
Site Code: TBA

Start	EB			WB			Combined		15-Oct-16 Sat
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	
12:00	0		18		1	43	1	61	
12:15	0		18		0	34	0	52	
12:30	0		18		2	35	2	53	
12:45	0	0	12	66	1	4	128	1	28
01:00	0		10		0	18	0	28	
01:15	0		21		0	14	0	35	
01:30	0		21		0	14	0	35	
01:45	0	0	17	69	0	0	14	60	0
02:00	0		14		0	13	0	27	
02:15	0		14		0	12	0	26	
02:30	0		12		0	18	0	30	
02:45	1	1	20	60	0	0	9	52	1
03:00	0		9		0	15	0	24	
03:15	0		14		0	12	0	26	
03:30	0		10		0	15	0	25	
03:45	0	0	9	42	0	0	7	49	0
04:00	0		14		0	17	0	31	
04:15	0		13		0	22	0	35	
04:30	0		11		0	26	0	37	
04:45	0	0	18	56	0	0	14	79	0
05:00	0		14		0	16	0	30	
05:15	0		8		0	12	0	20	
05:30	0		14		0	11	0	25	
05:45	0	0	7	43	1	1	9	48	1
06:00	1		9		0	17	1	26	
06:15	1		13		0	14	1	27	
06:30	5		13		2	9	7	22	
06:45	6	13	9	44	1	3	14	54	7
07:00	7		11		3	12	10	16	23
07:15	20		5		8	10	28	15	
07:30	19		4		11	12	30	16	
07:45	15	61	10	30	8	30	8	42	23
08:00	9		6		7	10	16	16	
08:15	12		10		3	10	15	20	
08:30	16		2		8	8	24	10	
08:45	28	65	3	21	9	27	5	33	37
09:00	21		4		14	8	35	12	
09:15	15		5		9	7	24	12	
09:30	17		1		11	8	28	9	
09:45	23	76	4	14	8	42	6	29	31
10:00	18		3		14	7	32	10	
10:15	15		5		9	4	24	9	
10:30	18		4		12	3	30	7	
10:45	17	68	3	15	20	55	9	23	37
11:00	16		6		17	5	33	11	
11:15	19		1		9	2	28	3	
11:30	16		1		17	3	33	4	
11:45	18		69	1	9	24	67	4	14
Total	353		469		229	611	582	1080	
Percent	60.7%		43.4%		39.3%	56.6%			
Day Total		822			840		1662		
Peak Vol.	08:45	-	01:15	-	11:00	-	12:00	-	12:00
	81	-	73	-	67	-	128	-	194
P.H.F.	0.723		0.869		0.698		0.744		0.795



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165313 D Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	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
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
06:00	0	45	9	0	0	0	0	0	0	0	0	0	0	54
07:00	0	109	7	0	1	0	0	0	0	0	0	0	0	117
08:00	0	101	5	0	2	0	0	0	0	0	0	0	0	108
09:00	3	69	8	0	2	0	0	0	0	0	0	0	0	82
10:00	1	49	8	1	1	0	0	0	0	0	0	0	0	60
11:00	0	38	9	0	0	0	0	0	0	0	0	0	0	47
12 PM	2	41	13	0	1	1	0	1	0	0	0	0	0	59
13:00	0	44	7	0	2	0	0	0	0	0	0	0	0	53
14:00	2	42	9	0	1	0	0	0	0	0	0	0	0	54
15:00	2	37	12	0	3	0	0	0	0	0	0	0	0	54
16:00	0	34	4	0	0	0	0	0	0	0	0	0	0	38
17:00	2	48	11	0	0	0	0	0	0	0	0	0	0	61
18:00	0	34	6	0	0	0	0	0	0	0	0	0	0	40
19:00	0	21	4	0	2	1	0	0	0	0	0	0	0	28
20:00	0	11	0	0	1	0	0	0	0	0	0	0	0	12
21:00	0	5	3	0	0	1	0	0	0	0	0	0	0	9
22:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	743	119	1	16	3	0	1	0	0	0	0	0	895
Percent	1.3%	83.0%	13.3%	0.1%	1.8%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	09:00	07:00	06:00	10:00	08:00									07:00
	3	109	9	1	2									117
PM Peak Vol.	12:00	17:00	12:00		15:00	12:00		12:00						17:00
	2	48	13		3	1		1						61



Morse Road  
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165313 D Class  
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EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
01:00	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
03:00	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
05:00	0	20	2	0	0	0	0	0	0	0	0	0	0	22
06:00	0	59	13	1	1	0	0	0	0	0	0	0	0	74
07:00	0	322	31	1	6	0	0	0	0	0	0	0	0	360
08:00	0	187	15	3	4	0	0	0	0	0	0	0	0	209
09:00	0	48	9	0	1	0	0	1	0	0	0	0	0	59
10:00	2	47	5	0	2	0	0	0	0	0	0	0	0	56
11:00	1	36	8	1	2	0	0	0	0	0	0	0	0	48
12 PM	0	35	9	0	1	0	0	1	0	0	0	0	0	46
13:00	0	37	8	0	3	0	0	0	0	0	0	0	0	48
14:00	0	42	12	3	1	0	0	0	0	0	0	0	0	58
15:00	0	57	9	1	2	0	0	0	0	0	0	0	0	69
16:00	0	57	4	0	1	0	0	0	0	0	0	0	0	62
17:00	0	55	6	0	2	0	0	0	0	0	0	0	0	63
18:00	1	49	7	0	0	1	0	0	0	0	0	0	0	58
19:00	0	34	1	0	0	0	0	0	0	0	0	0	0	35
20:00	0	18	1	0	0	0	0	0	0	0	0	0	0	19
21:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7
22:00	0	4	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	2
Total	4	1116	141	10	27	1	0	2	0	0	0	0	0	1301
Percent	0.3%	85.8%	10.8%	0.8%	2.1%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	07:00	07:00	08:00	07:00				09:00					07:00
	2	322	31	3	6				1					360
PM Peak Vol.	18:00	15:00	14:00	14:00	13:00	18:00			12:00					15:00
	1	57	12	3	3	1			1					69



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 D Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	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
03:00	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
05:00	0	16	3	0	0	0	0	0	0	0	0	0	0	19
06:00	0	42	5	1	1	0	0	0	0	0	0	0	0	49
07:00	0	288	31	0	2	0	0	0	0	0	0	0	0	321
08:00	1	137	15	1	4	0	0	0	0	0	0	0	0	158
09:00	0	61	6	0	1	0	0	0	0	0	0	0	0	68
10:00	0	44	7	1	4	0	0	0	0	0	0	0	0	56
11:00	1	27	8	0	0	0	0	0	0	0	0	0	0	36
12 PM	0	40	10	0	2	0	0	0	0	0	0	0	0	52
13:00	1	36	8	0	0	1	0	0	0	0	0	0	0	46
14:00	0	39	12	1	3	0	0	0	0	0	0	0	0	55
15:00	0	49	12	1	1	0	0	0	0	0	0	0	0	63
16:00	1	52	10	0	1	0	0	0	0	0	0	0	0	64
17:00	0	63	7	0	1	0	0	0	0	0	0	0	0	71
18:00	0	67	15	0	0	0	0	0	0	0	0	0	0	82
19:00	0	43	11	0	0	0	0	0	0	0	0	0	0	54
20:00	0	24	3	0	0	0	0	0	0	0	0	0	0	27
21:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12
22:00	0	10	0	0	1	0	0	0	0	0	0	0	0	11
23:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Total	4	1055	166	5	21	1	0	0	0	0	0	0	0	1252
Percent	0.3%	84.3%	13.3%	0.4%	1.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	07:00	07:00	06:00	08:00									07:00
PM Peak Vol.	1	288	31	1	4									321
PM Peak Vol.	13:00	18:00	18:00	14:00	14:00	13:00								18:00
PM Peak Vol.	1	67	15	1	3	1								82



Morse Road  
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165313 D Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
01:00	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	1
03:00	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
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	12	1	0	0	0	0	0	0	0	0	0	0	13
07:00	0	54	7	0	0	0	0	0	0	0	0	0	0	61
08:00	0	57	5	0	2	1	0	0	0	0	0	0	0	65
09:00	2	69	5	0	0	0	0	0	0	0	0	0	0	76
10:00	0	63	5	0	0	0	0	0	0	0	0	0	0	68
11:00	3	59	5	0	2	0	0	0	0	0	0	0	0	69
12 PM	3	55	7	0	1	0	0	0	0	0	0	0	0	66
13:00	4	54	10	0	1	0	0	0	0	0	0	0	0	69
14:00	3	55	2	0	0	0	0	0	0	0	0	0	0	60
15:00	0	36	5	0	1	0	0	0	0	0	0	0	0	42
16:00	0	49	6	0	1	0	0	0	0	0	0	0	0	56
17:00	0	38	5	0	0	0	0	0	0	0	0	0	0	43
18:00	0	43	1	0	0	0	0	0	0	0	0	0	0	44
19:00	0	28	2	0	0	0	0	0	0	0	0	0	0	30
20:00	0	21	0	0	0	0	0	0	0	0	0	0	0	21
21:00	0	13	1	0	0	0	0	0	0	0	0	0	0	14
22:00	0	15	0	0	0	0	0	0	0	0	0	0	0	15
23:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Total	15	731	67	0	8	1	0	0	0	0	0	0	0	822
Percent	1.8%	88.9%	8.2%	0.0%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	09:00	07:00		08:00	08:00								09:00
PM Peak Vol.	3	69	7		2	1								76
PM Peak Vol.	13:00	12:00	13:00		12:00									13:00
	4	55	10		1									69



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Email: datarequests@pdillc.com

165313 D Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	0	2	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
02:00	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
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:00	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	4
07:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9
08:00	0	18	5	1	0	0	0	0	0	0	0	0	0	24
09:00	0	29	7	0	3	0	0	2	0	0	0	0	0	41
10:00	0	24	8	0	4	0	0	1	0	0	0	0	0	37
11:00	1	36	5	0	0	1	0	1	0	0	0	0	0	44
12 PM	0	39	7	0	0	0	0	1	0	0	0	0	0	47
13:00	1	39	11	0	3	0	0	0	0	0	0	0	0	54
14:00	0	48	13	0	2	0	0	0	0	0	0	0	0	63
15:00	1	50	12	0	3	0	0	0	0	0	0	0	0	66
16:00	0	79	12	0	0	0	0	0	0	0	0	0	0	91
17:00	1	121	14	0	4	0	0	0	0	0	0	0	0	140
18:00	0	81	10	0	0	1	0	0	0	0	0	0	0	92
19:00	0	58	2	0	0	0	0	0	0	0	0	0	0	60
20:00	0	33	3	0	0	1	0	0	0	0	0	0	0	37
21:00	0	19	6	0	1	0	0	0	0	0	0	0	0	26
22:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Total	4	698	117	1	21	3	0	5	0	0	0	0	0	849
Percent	0.5%	82.2%	13.8%	0.1%	2.5%	0.4%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	11:00	10:00	08:00	10:00	11:00			09:00					11:00
PM Peak Vol.	1	36	8	1	4	1		2						44
PM Peak Vol.	13:00	17:00	17:00		17:00	18:00		12:00						17:00
	1	121	14		4	1		1						140



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165313 D Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	1	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
03:00	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
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9
07:00	0	37	7	3	3	0	0	0	0	0	0	0	0	50
08:00	1	40	7	2	2	1	0	0	0	0	0	0	0	53
09:00	0	30	4	1	1	0	0	0	0	0	0	0	0	36
10:00	1	27	5	1	3	0	0	0	0	0	0	0	0	37
11:00	1	24	6	0	1	0	0	0	0	0	0	0	0	32
12 PM	0	35	6	0	2	0	0	0	0	0	0	0	0	43
13:00	0	37	4	0	3	0	0	0	0	0	0	0	0	44
14:00	0	74	13	1	0	0	0	0	0	0	0	0	0	88
15:00	0	117	18	4	1	1	0	0	0	0	0	0	0	141
16:00	0	121	20	0	3	0	0	0	0	0	0	0	0	144
17:00	2	200	26	0	1	0	0	0	0	0	0	0	0	229
18:00	0	139	13	0	1	0	0	0	0	0	0	0	0	153
19:00	0	50	3	0	1	0	0	0	0	0	0	0	0	54
20:00	0	39	3	0	0	0	0	0	0	0	0	0	0	42
21:00	0	26	2	0	0	0	0	0	0	0	0	0	0	28
22:00	0	19	0	0	0	0	0	0	0	0	0	0	0	19
23:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10
Total	5	1035	142	12	22	2	0	0	0	0	0	0	0	1218
Percent	0.4%	85.0%	11.7%	1.0%	1.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	08:00	07:00	07:00	07:00	08:00								08:00
PM Peak Vol.	1	40	7	3	3	1								53
PM Peak Vol.	17:00	17:00	17:00	15:00	13:00	15:00								17:00
	2	200	26	4	3	1								229



Morse Road  
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165313 D Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	0	2	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
03:00	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
05:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
06:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
07:00	0	33	8	3	2	0	0	0	0	0	0	0	0	46
08:00	1	33	2	2	1	0	0	0	0	0	0	0	0	39
09:00	0	25	6	1	0	0	0	1	0	0	0	0	0	33
10:00	0	26	5	0	3	0	0	1	0	0	0	0	0	35
11:00	0	36	5	0	0	0	0	0	0	0	0	0	0	41
12 PM	0	39	11	0	0	0	0	0	0	0	0	0	0	50
13:00	0	32	7	0	3	1	0	1	0	0	0	0	0	44
14:00	1	81	13	1	1	0	0	1	0	0	0	0	0	98
15:00	1	129	14	4	1	1	0	0	0	0	0	0	0	150
16:00	0	102	23	0	4	0	0	0	0	0	0	0	0	129
17:00	0	186	28	0	1	0	0	0	0	0	0	0	0	215
18:00	0	111	20	0	0	0	0	0	0	0	0	0	0	131
19:00	0	55	9	0	0	0	0	0	0	0	0	0	0	64
20:00	0	45	6	0	0	0	0	0	0	0	0	0	0	51
21:00	0	43	7	0	0	0	0	0	0	0	0	0	0	50
22:00	0	18	4	0	0	0	0	0	0	0	0	0	0	22
23:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Total	3	1015	171	11	16	2	0	4	0	0	0	0	0	1222
Percent	0.2%	83.1%	14.0%	0.9%	1.3%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	11:00	07:00	07:00	10:00				09:00					07:00
PM Peak Vol.	1	36	8	3	3				1					46
PM Peak Vol.	14:00	17:00	17:00	15:00	16:00	13:00			13:00					17:00
PM Peak Vol.	1	186	28	4	4	1			1					215



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WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
01:00	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
03:00	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
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
07:00	0	26	3	0	0	0	0	1	0	0	0	0	0	30
08:00	1	20	4	0	2	0	0	0	0	0	0	0	0	27
09:00	0	36	5	0	1	0	0	0	0	0	0	0	0	42
10:00	0	47	6	0	2	0	0	0	0	0	0	0	0	55
11:00	1	59	7	0	0	0	0	0	0	0	0	0	0	67
12 PM	1	118	9	0	0	0	0	0	0	0	0	0	0	128
13:00	0	53	7	0	0	0	0	0	0	0	0	0	0	60
14:00	0	46	5	0	0	1	0	0	0	0	0	0	0	52
15:00	0	43	6	0	0	0	0	0	0	0	0	0	0	49
16:00	0	70	8	0	1	0	0	0	0	0	0	0	0	79
17:00	1	41	6	0	0	0	0	0	0	0	0	0	0	48
18:00	0	53	1	0	0	0	0	0	0	0	0	0	0	54
19:00	0	40	2	0	0	0	0	0	0	0	0	0	0	42
20:00	0	31	2	0	0	0	0	0	0	0	0	0	0	33
21:00	0	28	1	0	0	0	0	0	0	0	0	0	0	29
22:00	0	22	1	0	0	0	0	0	0	0	0	0	0	23
23:00	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Total	4	754	74	0	6	1	0	1	0	0	0	0	0	840
Percent	0.5%	89.8%	8.8%	0.0%	0.7%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	11:00	11:00		08:00			07:00						11:00
PM Peak Vol.	1	59	7		2			1						67
PM Peak Vol.	12:00	12:00	12:00		16:00	14:00								12:00
	1	118	9		1	1								128



Morse Road  
east of Codman Drive  
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165313 D Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	33	32	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
04:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	28	27	
05:00	0	0	0	1	4	4	1	0	0	0	0	0	0	0	0	10	38	35	
06:00	0	1	2	3	22	19	7	0	0	0	0	0	0	0	0	54	38	34	
07:00	0	1	3	10	64	33	6	0	0	0	0	0	0	0	0	117	37	33	
08:00	0	1	1	6	55	42	3	0	0	0	0	0	0	0	0	108	37	34	
09:00	0	2	3	11	33	28	5	0	0	0	0	0	0	0	0	82	37	33	
10:00	2	1	1	6	26	23	1	0	0	0	0	0	0	0	0	60	37	32	
11:00	0	0	4	8	24	9	2	0	0	0	0	0	0	0	0	47	36	32	
12 PM	1	0	2	11	28	14	3	0	0	0	0	0	0	0	0	59	36	32	
13:00	0	3	3	7	19	17	4	0	0	0	0	0	0	0	0	53	37	32	
14:00	1	0	0	4	23	24	2	0	0	0	0	0	0	0	0	54	37	34	
15:00	1	5	1	6	24	16	1	0	0	0	0	0	0	0	0	54	36	31	
16:00	0	0	2	5	15	12	4	0	0	0	0	0	0	0	0	38	38	33	
17:00	1	0	6	3	26	22	2	1	0	0	0	0	0	0	0	61	37	33	
18:00	0	0	2	8	17	12	1	0	0	0	0	0	0	0	0	40	36	32	
19:00	1	0	4	8	8	6	1	0	0	0	0	0	0	0	0	28	36	30	
20:00	0	0	0	2	6	2	2	0	0	0	0	0	0	0	0	12	39	34	
21:00	0	0	2	2	3	1	0	1	0	0	0	0	0	0	0	9	37	31	
22:00	0	0	1	3	0	1	0	0	0	0	0	0	0	0	0	5	35	28	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	
Total %	7	14	37	106	399	285	45	2	0	0	0	0	0	0	0	895			
AM Peak Vol.	10:00	09:00	11:00	09:00	07:00	08:00	06:00									07:00			
PM Peak Vol.	2	2	4	11	64	42	7									117			

Stats	15th Percentile :	27 MPH
	50th Percentile :	32 MPH
	85th Percentile :	37 MPH
	95th Percentile :	39 MPH
	Mean Speed(Average) :	33 MPH
	10 MPH Pace Speed :	30-39 MPH
	Number in Pace :	684
	Percent in Pace :	76.4%
	Number of Vehicles > 30 MPH :	651
	Percent of Vehicles > 30 MPH :	72.8%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
10/13/																			
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
01:00	0	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	0	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
05:00	0	0	1	6	5	6	4	0	0	0	0	0	0	0	0	0	22	39	33
06:00	0	0	3	18	30	17	6	0	0	0	0	0	0	0	0	0	74	37	32
07:00	4	10	35	126	152	32	1	0	0	0	0	0	0	0	0	0	360	33	29
08:00	0	2	14	41	103	44	5	0	0	0	0	0	0	0	0	0	209	36	31
09:00	0	3	4	10	25	16	1	0	0	0	0	0	0	0	0	0	59	36	31
10:00	1	2	1	3	22	21	6	0	0	0	0	0	0	0	0	0	56	38	34
11:00	1	2	3	12	15	11	3	1	0	0	0	0	0	0	0	0	48	37	31
12 PM	0	1	3	11	19	9	3	0	0	0	0	0	0	0	0	0	46	36	31
13:00	0	1	2	2	25	14	4	0	0	0	0	0	0	0	0	0	48	37	33
14:00	0	1	4	7	26	18	2	0	0	0	0	0	0	0	0	0	58	37	32
15:00	0	0	5	13	34	14	3	0	0	0	0	0	0	0	0	0	69	36	32
16:00	0	1	4	7	28	16	6	0	0	0	0	0	0	0	0	0	62	37	33
17:00	0	1	3	11	26	20	2	0	0	0	0	0	0	0	0	0	63	37	32
18:00	1	0	1	19	27	9	1	0	0	0	0	0	0	0	0	0	58	34	31
19:00	0	1	2	6	19	7	0	0	0	0	0	0	0	0	0	0	35	35	31
20:00	0	0	2	5	6	4	2	0	0	0	0	0	0	0	0	0	19	37	32
21:00	0	0	1	0	1	5	0	0	0	0	0	0	0	0	0	0	7	37	34
22:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	36	32
23:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	33	32
Total	7	25	88	298	569	264	49	1	0	0	0	0	0	0	0	0	1301		
%	0.5%	1.9%	6.8%	22.9%	43.7%	20.3%	3.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	07:00	07:00	07:00	07:00	08:00	06:00	11:00									07:00		
PM Peak Vol.	4	10	35	126	152	44	6	1									360		
	18:00	12:00	15:00	18:00	15:00	17:00	16:00										15:00		
	1	1	5	19	34	20	6										69		

Stats

15th Percentile :	25 MPH
50th Percentile :	31 MPH
85th Percentile :	36 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	31 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	867
Percent in Pace :	66.6%
Number of Vehicles > 30 MPH :	769
Percent of Vehicles > 30 MPH :	59.1%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
01:00	0	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	0	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37
05:00	0	0	0	1	11	5	2	0	0	0	0	0	0	0	0	0	19	38	34
06:00	0	0	2	9	22	9	7	0	0	0	0	0	0	0	0	0	49	38	33
07:00	<b>1</b>	<b>5</b>	<b>23</b>	<b>106</b>	<b>146</b>	<b>37</b>	3	0	0	0	0	0	0	0	0	0	<b>321</b>	33	30
08:00	0	2	6	35	77	37	1	0	0	0	0	0	0	0	0	0	158	35	32
09:00	0	2	3	7	29	25	2	0	0	0	0	0	0	0	0	0	68	37	33
10:00	0	1	7	5	20	19	3	1	0	0	0	0	0	0	0	0	56	37	33
11:00	0	1	3	2	13	14	1	<b>2</b>	0	0	0	0	0	0	0	0	36	38	34
12 PM	0	0	0	10	21	16	<b>4</b>	<b>1</b>	0	0	0	0	0	0	0	0	52	38	34
13:00	0	0	2	10	15	18	1	0	0	0	0	0	0	0	0	0	46	37	33
14:00	0	<b>1</b>	<b>6</b>	7	26	12	2	1	0	0	0	0	0	0	0	0	55	36	32
15:00	0	1	3	3	23	<b>30</b>	3	0	0	0	0	0	0	0	0	0	63	37	34
16:00	<b>1</b>	1	2	2	30	24	4	0	0	0	0	0	0	0	0	0	64	37	33
17:00	0	0	2	10	31	25	3	0	0	0	0	0	0	0	0	0	71	37	33
18:00	0	0	3	<b>19</b>	<b>41</b>	19	0	0	0	0	0	0	0	0	0	0	<b>82</b>	35	32
19:00	0	0	3	7	26	18	0	0	0	0	0	0	0	0	0	0	54	36	32
20:00	0	0	1	2	13	11	0	0	0	0	0	0	0	0	0	0	27	37	33
21:00	0	0	1	2	6	3	0	0	0	0	0	0	0	0	0	0	12	36	32
22:00	0	0	1	0	4	5	1	0	0	0	0	0	0	0	0	0	11	38	34
23:00	0	0	0	1	2	2	0	1	0	0	0	0	0	0	0	6	44	35	
Total	2	14	68	239	556	330	37	6	0	0	0	0	0	0	0	0	1252		
%	0.2%	1.1%	5.4%	19.1%	44.4%	26.4%	3.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	07:00	07:00	07:00	07:00	07:00	06:00	11:00									07:00		
PM Peak Vol.	1	5	23	106	146	37	7	2									321		

Stats	15th Percentile :	26 MPH
	50th Percentile :	31 MPH
	85th Percentile :	36 MPH
	95th Percentile :	38 MPH
	Mean Speed(Average) :	32 MPH
	10 MPH Pace Speed :	30-39 MPH
	Number in Pace :	886
	Percent in Pace :	70.8%
	Number of Vehicles > 30 MPH :	818
	Percent of Vehicles > 30 MPH :	65.3%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	39	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed	
<b>10/15/</b>																					
16	0	0	0	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	0	0	*	*	*	
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27		
03:00	0	0	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	0	0	*	*		
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
06:00	0	0	1	1	3	5	2	1	0	0	0	0	0	0	0	0	13	41	35		
07:00	0	0	2	14	32	11	2	0	0	0	0	0	0	0	0	0	61	35	32		
08:00	0	1	9	11	28	13	3	0	0	0	0	0	0	0	0	0	65	36	31		
09:00	0	2	5	8	31	26	4	0	0	0	0	0	0	0	0	0	76	37	33		
10:00	0	0	3	10	32	16	7	0	0	0	0	0	0	0	0	0	68	38	33		
11:00	1	4	1	6	33	22	1	1	0	0	0	0	0	0	0	0	69	37	32		
12 PM	1	2	5	2	28	24	4	0	0	0	0	0	0	0	0	0	66	37	33		
13:00	0	3	2	9	34	17	3	1	0	0	0	0	0	0	0	0	69	37	32		
14:00	0	2	1	2	30	19	6	0	0	0	0	0	0	0	0	0	60	38	34		
15:00	0	1	4	3	21	9	2	2	0	0	0	0	0	0	0	0	42	37	33		
16:00	0	0	5	7	27	13	4	0	0	0	0	0	0	0	0	0	56	37	32		
17:00	1	0	1	5	19	16	1	0	0	0	0	0	0	0	0	0	43	37	33		
18:00	0	1	3	8	15	13	3	0	1	0	0	0	0	0	0	0	44	37	33		
19:00	0	0	1	4	11	13	0	0	1	0	0	0	0	0	0	0	30	37	34		
20:00	0	0	1	1	7	11	1	0	0	0	0	0	0	0	0	0	21	38	34		
21:00	0	0	2	1	7	3	1	0	0	0	0	0	0	0	0	0	14	37	32		
22:00	1	0	0	2	8	4	0	0	0	0	0	0	0	0	0	0	15	36	31		
23:00	0	0	2	3	3	1	0	0	0	0	0	0	0	0	0	0	9	33	29		
Total %	4	16	48	98	369	236	44	5	2	0	0	0	0	0	0	0	822				
AM Peak Vol.	11:00	11:00	08:00	07:00	11:00	09:00	10:00	06:00										09:00			
PM Peak Vol.	1	4	9	14	33	26	7	1									76				

Stats                    15th Percentile : 26 MPH  
                       50th Percentile : 32 MPH  
                       85th Percentile : 37 MPH  
                       95th Percentile : 40 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 605  
 Percent in Pace : 73.6%  
 Number of Vehicles > 30 MPH : 582  
 Percent of Vehicles > 30 MPH : 70.8%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	38	37
01:00	0	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	0	*	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
04:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	42	37
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
06:00	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4	33	30
07:00	0	0	1	3	2	3	0	0	0	0	0	0	0	0	0	0	9	36	31
08:00	0	0	1	6	9	6	2	0	0	0	0	0	0	0	0	0	24	37	32
09:00	0	0	7	9	16	8	1	0	0	0	0	0	0	0	0	0	41	35	30
10:00	0	0	3	6	13	11	4	0	0	0	0	0	0	0	0	0	37	38	33
11:00	0	0	1	5	21	11	4	1	1	1	0	0	0	0	0	0	44	38	34
12 PM	0	0	3	5	20	17	2	0	0	0	0	0	0	0	0	0	47	37	33
13:00	0	0	2	6	28	16	1	1	0	0	0	0	0	0	0	0	54	37	33
14:00	0	2	2	5	27	16	11	0	0	0	0	0	0	0	0	0	63	39	34
15:00	0	1	4	9	23	24	5	0	0	0	0	0	0	0	0	0	66	37	33
16:00	0	0	3	6	32	46	3	1	0	0	0	0	0	0	0	0	91	37	34
17:00	0	0	4	17	53	57	9	0	0	0	0	0	0	0	0	0	140	37	34
18:00	0	1	3	8	36	32	12	0	0	0	0	0	0	0	0	0	92	38	34
19:00	0	0	5	8	28	12	7	0	0	0	0	0	0	0	0	0	60	38	33
20:00	0	0	2	5	18	10	1	1	0	0	0	0	0	0	0	0	37	37	33
21:00	0	0	2	6	10	7	1	0	0	0	0	0	0	0	0	0	26	36	32
22:00	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	0	7	38	33
23:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	36	32
Total	0	0	4	44	107	343	281	65	4	1	0	0	0	0	0	0	849		
%	0.0%	0.5%	5.2%	12.6%	40.4%	33.1%	7.7%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			09:00	09:00	11:00	10:00	10:00	11:00	11:00								11:00		
PM Peak Vol.			7	9	21	11	4	1	1								44		
Stats			14:00	19:00	17:00	17:00	17:00	18:00	18:00	13:00							17:00		
			2	5	17	53	57	12	1								140		

15th Percentile : 27 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 41 MPH  
  
 Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 624  
 Percent in Pace : 73.5%  
 Number of Vehicles > 30 MPH : 625  
 Percent of Vehicles > 30 MPH : 73.7%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	37	35
01:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	42	40
02:00	0	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	0	*	*	*
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	17
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
06:00	0	0	1	2	3	3	0	0	0	0	0	0	0	0	0	0	9	36	31
07:00	0	0	4	17	16	9	3	1	0	0	0	0	0	0	0	0	50	37	31
08:00	0	1	3	11	27	8	2	1	0	0	0	0	0	0	0	0	53	35	32
09:00	0	0	5	4	17	10	0	0	0	0	0	0	0	0	0	0	36	36	31
10:00	1	0	5	9	15	7	0	0	0	0	0	0	0	0	0	0	37	35	30
11:00	0	0	1	8	9	13	1	0	0	0	0	0	0	0	0	0	32	37	33
12 PM	0	2	4	5	15	17	0	0	0	0	0	0	0	0	0	0	43	37	32
13:00	0	1	0	8	15	19	1	0	0	0	0	0	0	0	0	0	44	37	33
14:00	1	0	4	10	40	24	8	0	1	0	0	0	0	0	0	0	88	38	33
15:00	0	0	8	26	67	32	7	1	0	0	0	0	0	0	0	0	141	36	32
16:00	1	0	3	12	64	55	8	1	0	0	0	0	0	0	0	0	144	37	34
17:00	1	0	4	21	101	84	17	1	0	0	0	0	0	0	0	0	229	38	34
18:00	0	1	5	19	80	44	4	0	0	0	0	0	0	0	0	0	153	36	33
19:00	0	0	3	5	29	13	3	1	0	0	0	0	0	0	0	0	54	37	33
20:00	0	0	1	7	22	9	2	1	0	0	0	0	0	0	0	0	42	37	33
21:00	0	0	2	3	12	6	2	1	2	0	0	0	0	0	0	0	28	41	34
22:00	0	0	0	4	7	6	1	1	0	0	0	0	0	0	0	0	19	38	34
23:00	0	0	1	2	3	2	2	0	0	0	0	0	0	0	0	0	10	40	33
Total	4	6	54	173	544	363	62	9	3	0	0	0	0	0	0	0	1218		
%	0.3%	0.5%	4.4%	14.2%	44.7%	29.8%	5.1%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00	04:00	09:00	07:00	08:00	11:00	07:00	07:00									08:00		
PM Peak Vol.	1	1	5	17	27	13	3	1									53		
	14:00	12:00	15:00	15:00	17:00	17:00	17:00	17:00	15:00	21:00							17:00		
	1	2	8	26	101	84	17	1	2								229		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 32 MPH  
                       85th Percentile : 37 MPH  
                       95th Percentile : 40 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 907  
 Percent in Pace : 74.5%  
 Number of Vehicles > 30 MPH : 872  
 Percent of Vehicles > 30 MPH : 71.6%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	39	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																				
16	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	37	32	
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	37	32	
02:00	0	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	0	*	*	*	
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	
05:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	3	41	35	
06:00	0	0	2	4	2	0	0	0	0	0	0	0	0	0	0	0	8	31	27	
07:00	0	1	3	6	17	19	0	0	0	0	0	0	0	0	0	0	46	37	32	
08:00	1	0	2	12	17	7	0	0	0	0	0	0	0	0	0	0	39	34	30	
09:00	0	1	1	8	13	9	1	0	0	0	0	0	0	0	0	0	33	36	32	
10:00	0	0	4	5	17	7	2	0	0	0	0	0	0	0	0	0	35	36	32	
11:00	0	0	0	9	19	11	2	0	0	0	0	0	0	0	0	0	41	37	33	
12 PM	0	0	1	7	22	17	3	0	0	0	0	0	0	0	0	0	50	37	33	
13:00	0	1	2	9	17	14	1	0	0	0	0	0	0	0	0	0	44	37	32	
14:00	2	1	0	12	38	37	7	1	0	0	0	0	0	0	0	0	98	38	33	
15:00	0	0	5	17	74	45	7	1	1	0	0	0	0	0	0	0	150	37	33	
16:00	0	0	2	11	49	52	12	2	1	0	0	0	0	0	0	0	129	38	35	
17:00	0	1	3	24	83	94	10	0	0	0	0	0	0	0	0	0	215	37	34	
18:00	0	0	1	14	56	53	7	0	0	0	0	0	0	0	0	0	131	37	34	
19:00	0	1	0	10	27	20	6	0	0	0	0	0	0	0	0	0	64	38	33	
20:00	0	0	1	8	26	16	0	0	0	0	0	0	0	0	0	0	51	36	33	
21:00	0	0	1	7	24	16	2	0	0	0	0	0	0	0	0	0	50	37	33	
22:00	0	0	2	3	6	8	3	0	0	0	0	0	0	0	0	0	22	38	34	
23:00	0	0	0	1	2	5	1	0	0	0	0	0	0	0	0	0	9	38	35	
Total	3	6	30	170	509	433	65	4	2	0	0	0	0	0	0	0	1222			
%	0.2%	0.5%	2.5%	13.9%	41.7%	35.4%	5.3%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	08:00	07:00	10:00	08:00	11:00	07:00	10:00										07:00			
PM Peak Vol.	1	1	4	12	19	19	2										46			
	14:00	13:00	15:00	17:00	17:00	17:00	16:00	16:00	15:00								17:00			
	2	1	5	24	83	94	12	2	1								215			

Stats                    15th Percentile : 28 MPH  
                       50th Percentile : 32 MPH  
                       85th Percentile : 37 MPH  
                       95th Percentile : 39 MPH  
  
                      Mean Speed(Average) : 33 MPH  
                      10 MPH Pace Speed : 30-39 MPH  
                      Number in Pace : 942  
                      Percent in Pace : 77.1%  
                      Number of Vehicles > 30 MPH : 911  
                      Percent of Vehicles > 30 MPH : 74.6%



Morse Road  
east of Codman Drive  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 D Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	37	33
01:00	0	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	0	*	*	*
03:00	0	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	0	*	*	*
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	23	22
06:00	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	37	34
07:00	0	0	0	4	13	11	2	0	0	0	0	0	0	0	0	0	30	37	34
08:00	0	0	2	9	10	6	0	0	0	0	0	0	0	0	0	0	27	35	31
09:00	0	0	3	6	19	13	1	0	0	0	0	0	0	0	0	0	42	36	32
10:00	0	0	2	6	26	17	4	0	0	0	0	0	0	0	0	0	55	37	33
11:00	1	0	4	12	28	18	4	0	0	0	0	0	0	0	0	0	67	37	32
12 PM	0	2	4	20	50	43	7	2	0	0	0	0	0	0	0	0	128	37	33
13:00	0	0	3	4	21	28	4	0	0	0	0	0	0	0	0	0	60	38	34
14:00	0	0	1	5	19	19	8	0	0	0	0	0	0	0	0	0	52	39	35
15:00	0	0	1	4	23	15	6	0	0	0	0	0	0	0	0	0	49	38	34
16:00	0	1	4	11	35	22	5	0	1	0	0	0	0	0	0	0	79	37	33
17:00	1	1	3	6	15	19	3	0	0	0	0	0	0	0	0	0	48	37	33
18:00	0	0	1	8	27	15	2	1	0	0	0	0	0	0	0	0	54	37	33
19:00	0	1	3	6	17	13	1	1	0	0	0	0	0	0	0	0	42	37	32
20:00	0	0	2	8	8	13	2	0	0	0	0	0	0	0	0	0	33	37	33
21:00	0	0	0	3	14	10	1	1	0	0	0	0	0	0	0	0	29	37	34
22:00	0	0	3	1	15	3	1	0	0	0	0	0	0	0	0	0	23	34	32
23:00	0	0	1	1	8	3	1	0	0	0	0	0	0	0	0	0	14	37	33
Total	2	5	38	116	349	272	52	5	1	0	0	0	0	0	0	0	840		
%	0.2%	0.6%	4.5%	13.8%	41.5%	32.4%	6.2%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	11:00	11:00	11:00	11:00	11:00	10:00											11:00		
PM Peak Vol.	1	4	12	28	18	4											67		
	17:00	12:00	12:00	12:00	12:00	12:00	14:00	12:00	16:00								12:00		
	1	2	4	20	50	43	8	2	1								128		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 32 MPH  
                       85th Percentile : 37 MPH  
                       95th Percentile : 40 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 621  
 Percent in Pace : 73.9%  
 Number of Vehicles > 30 MPH : 609  
 Percent of Vehicles > 30 MPH : 72.5%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 E Volume  
Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	4	1	1	0	1	0	7	1	*	*	*	*	*	*	3	0
01:00	1	0	1	0	0	0	1	0	*	*	*	*	*	*	1	0
02:00	0	0	0	1	0	0	1	1	*	*	*	*	*	*	0	0
03:00	0	1	0	0	0	0	0	1	*	*	*	*	*	*	0	0
04:00	1	3	0	3	0	5	0	0	*	*	*	*	*	*	0	3
05:00	4	25	4	27	6	27	1	5	*	*	*	*	*	*	4	21
06:00	16	165	20	191	19	164	9	21	*	*	*	*	*	*	16	135
07:00	38	241	90	498	100	430	33	78	*	*	*	*	*	*	65	312
08:00	33	235	81	330	70	312	23	67	*	*	*	*	*	*	52	236
09:00	28	107	50	132	39	96	49	64	*	*	*	*	*	*	42	100
10:00	39	59	38	64	58	56	80	65	*	*	*	*	*	*	54	61
11:00	40	55	47	56	72	58	74	85	*	*	*	*	*	*	58	64
12:00 PM	52	67	64	48	58	74	86	82	*	*	*	*	*	*	65	68
01:00	68	51	69	57	61	40	75	82	*	*	*	*	*	*	68	58
02:00	85	63	114	78	140	55	80	63	*	*	*	*	*	*	105	65
03:00	108	62	175	102	196	96	108	66	*	*	*	*	*	*	147	82
04:00	227	65	275	88	324	82	61	68	*	*	*	*	*	*	222	76
05:00	340	40	446	68	398	70	53	69	*	*	*	*	*	*	309	62
06:00	216	37	264	72	215	84	40	40	*	*	*	*	*	*	184	58
07:00	67	31	96	54	63	53	34	26	*	*	*	*	*	*	65	41
08:00	56	19	49	22	44	25	21	23	*	*	*	*	*	*	42	22
09:00	26	12	42	25	59	22	22	13	*	*	*	*	*	*	37	18
10:00	8	4	9	5	26	9	19	13	*	*	*	*	*	*	16	8
11:00	2	2	7	4	12	9	15	2	*	*	*	*	*	*	9	4
Total Day	1459	1345	1942	1925	1961	1767	892	935	0	0	0	0	0	0	1564	1494
AM Peak Vol.	11:00	07:00	07:00	07:00	07:00	07:00	10:00	11:00	-	-	-	-	-	-	07:00	07:00
PM Peak Vol.	17:00	12:00	17:00	15:00	17:00	15:00	15:00	12:00	-	-	-	-	-	-	17:00	15:00

Comb. Total	2804	3867	3728	1827	0	0	0	0	0	0	0	0	0	0	3058
ADT	ADT 3,056	AADT 3,056													

Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners



46 Morton Street, Framingham, MA 01702  
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165313 E Volume  
Site Code: TBA

Start	WB			EB			Combined		12-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Wed
12:00	2		9	1		12	3	21	
12:15	1		18	0		20	1	38	
12:30	0		12	0		19	0	31	
12:45	1	4	13	52	0	1	16	67	119
01:00	0		16	0		19	0	35	
01:15	1		19	0		10	1	29	
01:30	0		14	0		8	0	22	
01:45	0	1	19	68	0	0	14	51	119
02:00	0		15	0		13	0	28	
02:15	0		22	0		15	0	37	
02:30	0		26	0		12	0	38	
02:45	0	0	22	85	0	0	23	63	148
03:00	0		26	0		19	0	45	
03:15	0		18	1		18	1	36	
03:30	0		35	0		10	0	45	
03:45	0	0	29	108	0	1	15	62	170
04:00	0		31	0		15	0	46	
04:15	0		55	0		13	0	68	
04:30	1		53	1		23	2	76	
04:45	0	1	88	227	2	3	14	65	292
05:00	2		83	6		10	8	93	
05:15	2		88	7		7	9	95	
05:30	0		89	6		14	6	103	
05:45	0	4	80	340	6	25	9	40	380
06:00	1		87	13		10	14	97	
06:15	1		60	28		7	29	67	
06:30	5		36	50		13	55	49	
06:45	9	16	33	216	74	165	7	37	253
07:00	4		27	71		11	75	38	
07:15	3		15	53		4	56	19	
07:30	14		16	52		10	66	26	
07:45	17	38	9	67	65	241	6	31	98
08:00	14		22	84		6	98	28	
08:15	9		16	59		5	68	21	
08:30	4		10	48		2	52	12	
08:45	6	33	8	56	44	235	6	19	75
09:00	8		13	34		1	42	14	
09:15	6		7	29		2	35	9	
09:30	8		3	24		6	32	9	
09:45	6	28	3	26	20	107	3	12	38
10:00	10		2	13		0	23	2	
10:15	9		3	25		2	34	5	
10:30	12		3	11		2	23	5	
10:45	8	39	0	8	10	59	0	4	12
11:00	14		1	16		2	30	3	
11:15	9		1	17		0	26	1	
11:30	7		0	8		0	15	0	
11:45	10	40	0	2	14	55	0	24	4
Total	204		1255	892		453	1096	1708	
Percent	18.6%		73.5%	81.4%		26.5%			
Day Total		1459		1345			2804		
Peak Vol.	07:30	-	04:45	-	07:30	-	00:15	-	04:45
P.H.F.	54	-	348	-	260	-	74	-	393
	0.794		0.978		0.774		0.925		0.954

Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wengers



46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 E Volume  
Site Code: TBA

Start Time	WB		EB				Combined		13-Oct-16 Thu
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	1	21	0	11	1	32			
12:15	0	17	0	15	0	32			
12:30	0	9	0	11	0	20			
12:45	0	1	64	0	0	48	0	1	112
01:00	1	12	0	10	1	22			
01:15	0	19	0	12	0	31			
01:30	0	19	0	21	0	40			
01:45	0	1	69	0	0	14	57	0	126
02:00	0	21	0	12	0	33			
02:15	0	19	0	26	0	45			
02:30	0	26	0	24	0	50			
02:45	0	0	48	114	1	16	78	1	192
03:00	0	42	0	20	0	62			
03:15	0	44	0	23	0	67			
03:30	0	48	0	41	0	89			
03:45	0	0	41	175	0	18	102	0	277
04:00	0	54	0	27	0	81			
04:15	0	64	0	18	0	82			
04:30	0	67	2	24	2	91			
04:45	0	0	90	275	1	3	19	1	363
05:00	0	105	5	15	5	120			
05:15	0	121	7	19	7	140			
05:30	0	125	5	21	5	146			
05:45	4	4	95	446	10	27	13	14	514
06:00	4	90	20	14	24	104			
06:15	5	65	31	21	36	86			
06:30	7	54	44	19	51	73			
06:45	4	20	55	264	96	191	18	72	336
07:00	8	33	123	16	131	49			
07:15	22	27	172	7	194	34			
07:30	34	23	123	14	157	37			
07:45	26	90	13	96	80	498	17	54	150
08:00	25	14	100	9	125	23			
08:15	12	11	76	4	88	15			
08:30	22	15	77	2	99	17			
08:45	22	81	9	49	77	330	7	22	71
09:00	10	14	37	2	47	16			
09:15	21	17	33	18	54	35			
09:30	10	7	29	2	39	9			
09:45	9	50	4	42	33	132	3	25	67
10:00	12	3	15	0	27	3			
10:15	9	0	18	3	27	3			
10:30	8	2	17	1	25	3			
10:45	9	38	4	9	14	64	1	5	14
11:00	11	1	21	1	32	2			
11:15	10	1	19	0	29	1			
11:30	13	3	7	3	20	6			
11:45	13	47	2	7	9	56	0	4	11
Total	332	1610	1302	623	1634	2233			
Percent	20.3%	72.1%	79.7%	27.9%					
Day Total		1942		1925		3867			
Peak Vol.	07:15 107	- 05:00 - 446	- 06:45 - 514	- 03:15 - 109	- 07:00 - 588	- 04:45 - 515	-	-	-
P.H.F.	0.787	0.892	0.747	0.665	0.758	0.882			



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 E Volume  
Site Code: TBA

Start Time	WB		EB		Combin ed		14-Oct-16 Fri
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	1	19	0	24	1	43	
12:15	0	16	0	25	0	41	
12:30	0	13	0	6	0	19	
12:45	0	1	58	0	0	74	132
01:00	0	16	0	6	0	22	
01:15	0	8	0	9	0	17	
01:30	0	14	0	13	0	27	
01:45	0	0	23	61	0	12	101
02:00	0	22	0	8	0	0	30
02:15	0	17	0	11	0	0	28
02:30	0	37	0	19	0	0	56
02:45	0	0	64	140	0	17	195
03:00	0	45	0	11	0	0	56
03:15	0	52	0	28	0	0	80
03:30	0	46	0	30	0	0	76
03:45	0	0	53	196	0	27	292
04:00	0	53	1	26	1	1	
04:15	0	77	2	21	2	2	
04:30	0	106	1	18	1	1	124
04:45	0	0	88	324	1	5	105
05:00	0	110	3	16	3	3	126
05:15	2	126	9	19	11	11	145
05:30	1	92	6	17	7	7	109
05:45	3	6	70	398	9	18	88
06:00	2	83	13	16	15	15	99
06:15	4	59	34	20	38	38	79
06:30	4	41	40	21	44	44	62
06:45	9	19	32	215	77	164	183
07:00	7	25		101	20	84	59
07:15	22	17	143		12	108	299
07:30	44	13	101		12	165	29
07:45	27	100	8	63	430	9	116
08:00	21		7	85	5	106	
08:15	13	5		72	6	85	
08:30	20		10	66	4	86	
08:45	16	70	22	44	89	312	32
09:00	19		18	30	9	49	69
09:15	4		23	23	6	27	
09:30	8		10	28	5	36	
09:45	8	39	8	59	15	96	15
10:00	16		12	12	2	22	81
10:15	10	3		14	2	28	
10:30	13	6		11	3	24	
10:45	19	58	5	26	19	56	8
11:00	20		3	9	2	9	35
11:15	10		7	15	2	29	
11:30	22		2	17	3	25	
11:45	20	72	0	12	17	58	5
Total	365		1596	1148	619	1513	2215
Percent	24.1%		72.1%	75.9%	27.9%		
Day Total		1961		1767		3728	
Peak Vol.	07:15 114	-	04:30 430	-	07:00 430	-	03:15 111
P.H.F.	0.648		0.853		0.752		0.925
						0.803	0.862

Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wengers



46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 E Volume  
Site Code: TBA

Start Time	WB		EB			Combined		15-Oct-16 Sat
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	5	29	1	37	6	66		
12:15	1	19	0	13	1	32		
12:30	0	21	0	15	0	36		
12:45	1	7	86	0	1	82	1	168
01:00	0	16	0	24	0	40		
01:15	0	17	0	17	0	34		
01:30	0	20	0	21	0	41		
01:45	1	1	22	75	0	20	1	157
02:00	0	21	1	18	1	39		
02:15	0	14	0	16	0	30		
02:30	1	20	0	19	1	39		
02:45	0	1	25	80	0	10	0	143
03:00	0	39	0	20	0	59		
03:15	0	20	0	12	0	32		
03:30	0	27	1	17	1	44		
03:45	0	0	22	108	0	17	0	174
04:00	0	14	0	14	0	28		
04:15	0	18	0	22	0	40		
04:30	0	20	0	13	0	33		
04:45	0	0	9	61	0	19	0	129
05:00	0	21	0	14	0	35		
05:15	0	14	1	22	1	36		
05:30	0	8	1	11	1	19		
05:45	1	1	10	53	3	22	4	122
06:00	1	18	4	10	5	28		
06:15	0	7	2	12	2	19		
06:30	4	8	7	9	11	17		
06:45	4	9	7	40	8	21	12	80
07:00	1	7	7	9	40	8	16	
07:15	7	7	34	7	41	14		
07:30	18	8	21	8	39	16		
07:45	7	33	12	34	16	78	23	111
08:00	6	4	17	6	23		14	60
08:15	3	6	12	7	15		13	
08:30	3	3	14	8	17		11	
08:45	11	23	8	21	24	67	35	10
09:00	12	3	18	6	30		9	
09:15	8	3	24	3	32		6	
09:30	12	6	9	2	21		8	
09:45	17	49	10	22	13	64	30	113
10:00	27	4	12	1	39		5	
10:15	20	7	14	2	34		9	
10:30	18	4	18	5	36		9	
10:45	15	80	4	19	21	65	13	145
11:00	15	5	17	1	32		6	
11:15	16	4	26	1	42		5	
11:30	15	5	19	0	34		5	
11:45	28	74	1	15	23	85	2	159
Total	278	614	388	547	666		1161	
Percent	41.7%	52.9%	58.3%	47.1%				
Day Total		892		935		1827		
Peak Vol.	09:45	-	02:45	-	07:15	-	11:00	-
	82	-	111	-	88	-	159	-
P.H.F.	0.759		0.712		0.647		0.779	
							0.737	



Haynes Road  
e/o Pantry Road  
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Email: datarequests@pdillc.com

165313 E Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	4	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	1	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	3	1	0	0	0	0	0	0	0	0	0	4
06:00	0	0	11	3	0	1	1	0	0	0	0	0	0	16
07:00	0	0	25	13	0	0	0	0	0	0	0	0	0	38
08:00	0	0	28	4	0	1	0	0	0	0	0	0	0	33
09:00	0	0	22	4	0	2	0	0	0	0	0	0	0	28
10:00	1	0	26	9	0	1	2	0	0	0	0	0	0	39
11:00	0	0	28	11	0	1	0	0	0	0	0	0	0	40
12 PM	1	0	40	9	0	2	0	0	0	0	0	0	0	52
13:00	1	0	56	10	1	0	0	0	0	0	0	0	0	68
14:00	0	0	62	21	0	1	1	0	0	0	0	0	0	85
15:00	1	0	83	18	0	6	0	0	0	0	0	0	0	108
16:00	2	0	185	37	0	3	0	0	0	0	0	0	0	227
17:00	2	0	289	46	0	3	0	0	0	0	0	0	0	340
18:00	1	0	189	23	0	3	0	0	0	0	0	0	0	216
19:00	0	0	61	6	0	0	0	0	0	0	0	0	0	67
20:00	0	0	49	7	0	0	0	0	0	0	0	0	0	56
21:00	0	0	21	5	0	0	0	0	0	0	0	0	0	26
22:00	0	0	7	1	0	0	0	0	0	0	0	0	0	8
23:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
Total	9	0	1192	229	1	24	4	0	0	0	0	0	0	1459
Percent	0.6%	0	81.7%	15.7%	0.1%	1.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	08:00	07:00		09:00	10:00								11:00
PM Peak Vol.	1	28	13		2	2								40
PM Peak Vol.	16:00	17:00	17:00	13:00	15:00	14:00								17:00
PM Peak Vol.	2	289	46	1	6	1								340



Haynes Road  
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Email: datarequests@pdillc.com

165313 E Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	1	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
03:00	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
05:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
06:00	1	16	2	1	0	0	0	0	0	0	0	0	0	20
07:00	0	73	15	2	0	0	0	0	0	0	0	0	0	90
08:00	1	62	16	0	2	0	0	0	0	0	0	0	0	81
09:00	0	38	10	0	2	0	0	0	0	0	0	0	0	50
10:00	0	27	9	1	1	0	0	0	0	0	0	0	0	38
11:00	1	32	13	0	1	0	0	0	0	0	0	0	0	47
12 PM	1	44	14	1	3	1	0	0	0	0	0	0	0	64
13:00	1	53	14	0	1	0	0	0	0	0	0	0	0	69
14:00	0	92	17	1	4	0	0	0	0	0	0	0	0	114
15:00	2	124	40	2	6	0	0	0	1	0	0	0	0	175
16:00	1	223	47	0	3	1	0	0	0	0	0	0	0	275
17:00	2	369	66	0	8	1	0	0	0	0	0	0	0	446
18:00	0	224	38	0	2	0	0	0	0	0	0	0	0	264
19:00	0	84	12	0	0	0	0	0	0	0	0	0	0	96
20:00	0	44	5	0	0	0	0	0	0	0	0	0	0	49
21:00	1	35	5	0	1	0	0	0	0	0	0	0	0	42
22:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
23:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Total	11	1558	327	8	34	3	0	0	1	0	0	0	0	1942
Percent	0.6%	80.2%	16.8%	0.4%	1.8%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	06:00	07:00	08:00	07:00	08:00									07:00
PM Peak Vol.	1	73	16	2	2									90
PM Peak Vol.	15:00	17:00	17:00	15:00	17:00	12:00			15:00					17:00
PM Peak Vol.	2	369	66	2	8	1				1				446



Haynes Road  
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165313 E Class  
Site Code: TBA

WB

Start Time	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	Bikes												
10/14/1													
6	0	1	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
02:00	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
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	4	2	0	0	0	0	0	0	0	0	0	6
06:00	0	15	3	1	0	0	0	0	0	0	0	0	19
07:00	1	77	18	2	1	1	0	0	0	0	0	0	100
08:00	0	62	6	1	1	0	0	0	0	0	0	0	70
09:00	0	26	12	0	1	0	0	0	0	0	0	0	39
10:00	0	40	14	0	3	0	0	1	0	0	0	0	58
11:00	0	50	17	1	2	2	0	0	0	0	0	0	72
12 PM	0	42	12	0	3	1	0	0	0	0	0	0	58
13:00	0	50	11	0	0	0	0	0	0	0	0	0	61
14:00	0	115	20	2	3	0	0	0	0	0	0	0	140
15:00	3	144	42	1	4	1	0	1	0	0	0	0	196
16:00	1	273	42	1	7	0	0	0	0	0	0	0	324
17:00	1	342	50	0	4	0	0	1	0	0	0	0	398
18:00	2	174	36	0	1	2	0	0	0	0	0	0	215
19:00	0	55	8	0	0	0	0	0	0	0	0	0	63
20:00	0	38	6	0	0	0	0	0	0	0	0	0	44
21:00	0	47	12	0	0	0	0	0	0	0	0	0	59
22:00	0	22	4	0	0	0	0	0	0	0	0	0	26
23:00	0	11	1	0	0	0	0	0	0	0	0	0	12
Total	8	1588	316	9	30	7	0	3	0	0	0	0	1961
Percent	0.4%	81.0%	16.1%	0.5%	1.5%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	07:00	07:00	07:00	10:00	11:00			10:00				07:00
PM Peak Vol.	1	77	18	2	3	2			1				100
PM Peak Vol.	15:00	17:00	17:00	14:00	16:00	18:00			15:00				17:00
PM Peak Vol.	3	342	50	2	7	2			1				398



Haynes Road  
e/o Pantry Road  
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165313 E Class  
Site Code: TBA

WB

Start Time	Cars & Trailers	2 Axle Long	2 Axle Buses	3 Axle 6 Tire	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
Bikes												
10/15/1												
6	0	7	0	0	0	0	0	0	0	0	0	7
01:00	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	1	0	0	0	0	0	0	0	0	0	1
03:00	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
05:00	0	1	0	0	0	0	0	0	0	0	0	1
06:00	0	9	0	0	0	0	0	0	0	0	0	9
07:00	1	24	8	0	0	0	0	0	0	0	0	33
08:00	0	19	4	0	0	0	0	0	0	0	0	23
09:00	0	40	9	0	0	0	0	0	0	0	0	49
10:00	0	62	17	0	1	0	0	0	0	0	0	80
11:00	0	62	10	0	2	0	0	0	0	0	0	74
12 PM	1	74	11	0	0	0	0	0	0	0	0	86
13:00	2	63	9	0	1	0	0	0	0	0	0	75
14:00	3	65	12	0	0	0	0	0	0	0	0	80
15:00	1	93	12	0	2	0	0	0	0	0	0	108
16:00	0	55	6	0	0	0	0	0	0	0	0	61
17:00	0	45	7	0	1	0	0	0	0	0	0	53
18:00	0	33	6	0	1	0	0	0	0	0	0	40
19:00	0	31	3	0	0	0	0	0	0	0	0	34
20:00	0	18	3	0	0	0	0	0	0	0	0	21
21:00	0	18	4	0	0	0	0	0	0	0	0	22
22:00	0	15	4	0	0	0	0	0	0	0	0	19
23:00	0	12	3	0	0	0	0	0	0	0	0	15
Total	8	748	128	0	8	0	0	0	0	0	0	892
Percent	0.9%	83.9%	14.3%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AM Peak Vol.	07:00	10:00	10:00		11:00							10:00
PM Peak Vol.	1	62	17		2							80
PM Peak Vol.	14:00	15:00	14:00		15:00							15:00
PM Peak Vol.	3	93	12		2							108



Haynes Road  
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165313 E Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
<b>10/12/1</b>														
6	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
02:00	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	1
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	20	5	0	0	0	0	0	0	0	0	0	0	25
06:00	2	129	30	0	3	0	0	1	0	0	0	0	0	165
07:00	0	202	35	0	4	0	0	0	0	0	0	0	0	241
08:00	1	198	31	0	4	1	0	0	0	0	0	0	0	235
09:00	1	90	13	1	1	1	0	0	0	0	0	0	0	107
10:00	1	49	7	0	2	0	0	0	0	0	0	0	0	59
11:00	0	50	4	0	1	0	0	0	0	0	0	0	0	55
12 PM	0	55	9	0	1	2	0	0	0	0	0	0	0	67
13:00	0	45	3	0	2	0	0	1	0	0	0	0	0	51
14:00	1	49	12	0	0	1	0	0	0	0	0	0	0	63
15:00	1	48	11	0	1	1	0	0	0	0	0	0	0	62
16:00	0	47	17	0	0	0	0	1	0	0	0	0	0	65
17:00	0	33	7	0	0	0	0	0	0	0	0	0	0	40
18:00	0	31	6	0	0	0	0	0	0	0	0	0	0	37
19:00	1	26	4	0	0	0	0	0	0	0	0	0	0	31
20:00	0	16	2	0	1	0	0	0	0	0	0	0	0	19
21:00	0	12	0	0	0	0	0	0	0	0	0	0	0	12
22:00	0	2	2	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	2
Total	8	1109	198	1	20	6	0	3	0	0	0	0	0	1345
Percent	0.6%	82.5%	14.7%	0.1%	1.5%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	06:00	07:00	07:00	09:00	07:00	08:00		06:00						07:00
PM Peak Vol.	2	202	35	1	4	1		1						241
PM Peak Vol.	14:00	12:00	16:00		13:00	12:00		13:00						12:00
	1	55	17		2	2		1						67



Haynes Road  
e/o Pantry Road  
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165313 E Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
01:00	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	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	22	5	0	0	0	0	0	0	0	0	0	0	27
06:00	1	156	31	1	1	1	0	0	0	0	0	0	0	191
07:00	0	422	65	0	9	0	0	2	0	0	0	0	0	498
08:00	2	276	45	4	3	0	0	0	0	0	0	0	0	330
09:00	1	102	26	0	2	0	0	1	0	0	0	0	0	132
10:00	0	50	10	0	1	3	0	0	0	0	0	0	0	64
11:00	0	41	11	0	3	0	0	1	0	0	0	0	0	56
12 PM	0	35	8	1	4	0	0	0	0	0	0	0	0	48
13:00	0	44	12	0	1	0	0	0	0	0	0	0	0	57
14:00	0	64	12	1	1	0	0	0	0	0	0	0	0	78
15:00	0	78	20	1	3	0	0	0	0	0	0	0	0	102
16:00	0	60	26	0	2	0	0	0	0	0	0	0	0	88
17:00	0	60	8	0	0	0	0	0	0	0	0	0	0	68
18:00	1	60	10	0	1	0	0	0	0	0	0	0	0	72
19:00	1	48	5	0	0	0	0	0	0	0	0	0	0	54
20:00	0	17	5	0	0	0	0	0	0	0	0	0	0	22
21:00	0	19	5	0	1	0	0	0	0	0	0	0	0	25
22:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Total	6	1567	304	8	32	4	0	4	0	0	0	0	0	1925
Percent	0.3%	81.4%	15.8%	0.4%	1.7%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	07:00	07:00	08:00	07:00	10:00			07:00					07:00
PM Peak Vol.	2	422	65	4	9	3			2					498
PM Peak Vol.	18:00	15:00	16:00	12:00	12:00									15:00
PM Peak Vol.	1	78	26	1	4									102



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 E Class  
Site Code: TBA

**EB**

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
05:00	0	19	8	0	0	0	0	0	0	0	0	0	0	27
06:00	2	132	24	2	3	0	0	1	0	0	0	0	0	164
07:00	2	370	55	0	3	0	0	0	0	0	0	0	0	430
08:00	0	253	52	5	1	0	0	1	0	0	0	0	0	312
09:00	0	72	22	0	2	0	0	0	0	0	0	0	0	96
10:00	0	45	9	0	2	0	0	0	0	0	0	0	0	56
11:00	0	45	10	0	2	1	0	0	0	0	0	0	0	58
12 PM	0	56	13	0	3	1	0	1	0	0	0	0	0	74
13:00	0	34	6	0	0	0	0	0	0	0	0	0	0	40
14:00	0	39	14	2	0	0	0	0	0	0	0	0	0	55
15:00	0	74	20	1	1	0	0	0	0	0	0	0	0	96
16:00	0	63	17	0	2	0	0	0	0	0	0	0	0	82
17:00	0	57	12	0	1	0	0	0	0	0	0	0	0	70
18:00	4	62	17	0	1	0	0	0	0	0	0	0	0	84
19:00	0	42	10	0	1	0	0	0	0	0	0	0	0	53
20:00	0	21	4	0	0	0	0	0	0	0	0	0	0	25
21:00	0	16	6	0	0	0	0	0	0	0	0	0	0	22
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
Total	8	1420	302	10	22	2	0	3	0	0	0	0	0	1767
Percent	0.5%	80.4%	17.1%	0.6%	1.2%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	06:00	07:00	07:00	08:00	06:00	11:00			06:00					07:00
PM Peak Vol.	2	370	55	5	3	1			1					430
PM Peak Vol.	18:00	15:00	15:00	14:00	12:00	12:00			12:00					15:00
	4	74	20	2	3	1			1					96



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165313 E Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	6	0	1	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
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	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
05:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
06:00	0	18	3	0	0	0	0	0	0	0	0	0	0	21
07:00	1	63	13	0	1	0	0	0	0	0	0	0	0	78
08:00	0	60	7	0	0	0	0	0	0	0	0	0	0	67
09:00	1	56	6	0	0	0	0	1	0	0	0	0	0	64
10:00	0	55	10	0	0	0	0	0	0	0	0	0	0	65
11:00	1	69	15	0	0	0	0	0	0	0	0	0	0	85
12 PM	1	70	8	0	1	2	0	0	0	0	0	0	0	82
13:00	1	72	7	0	2	0	0	0	0	0	0	0	0	82
14:00	0	55	7	0	0	0	0	1	0	0	0	0	0	63
15:00	0	53	12	0	1	0	0	0	0	0	0	0	0	66
16:00	0	57	11	0	0	0	0	0	0	0	0	0	0	68
17:00	2	56	10	0	1	0	0	0	0	0	0	0	0	69
18:00	1	37	1	0	1	0	0	0	0	0	0	0	0	40
19:00	0	24	2	0	0	0	0	0	0	0	0	0	0	26
20:00	0	18	5	0	0	0	0	0	0	0	0	0	0	23
21:00	0	9	4	0	0	0	0	0	0	0	0	0	0	13
22:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13
23:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	8	793	123	0	7	2	0	2	0	0	0	0	0	935
Percent	0.9%	84.8%	13.2%	0.0%	0.7%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	11:00	11:00		07:00				09:00					11:00
PM Peak Vol.	1	69	15		1				1					85
PM Peak Vol.	17:00	13:00	15:00		13:00	12:00			14:00					12:00
	2	72	12		2	2			1					82



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165313 E Speed  
Site Code: TBA

WB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																	
16:00	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4	41	37
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	33	32
02:00	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	*	*	*
04:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	33	32
05:00	0	0	1	0	2	0	1	0	0	0	0	0	0	0	4	41	32
06:00	0	0	1	4	7	4	0	0	0	0	0	0	0	0	16	36	31
07:00	0	0	0	6	21	9	2	0	0	0	0	0	0	0	38	36	33
08:00	0	1	1	4	15	11	1	0	0	0	0	0	0	0	33	37	33
09:00	0	0	1	8	9	10	0	0	0	0	0	0	0	0	28	36	32
10:00	2	2	1	12	15	5	1	1	0	0	0	0	0	0	39	35	29
11:00	0	0	0	8	23	6	3	0	0	0	0	0	0	0	40	36	33
12 PM	0	1	2	10	26	11	2	0	0	0	0	0	0	0	52	36	32
13:00	0	0	3	11	36	15	3	0	0	0	0	0	0	0	68	36	32
14:00	0	0	3	17	35	25	5	0	0	0	0	0	0	0	85	37	33
15:00	0	0	4	23	40	38	3	0	0	0	0	0	0	0	108	37	33
16:00	0	0	3	28	132	58	6	0	0	0	0	0	0	0	227	36	33
17:00	0	0	1	43	184	98	14	0	0	0	0	0	0	0	340	37	33
18:00	0	0	3	19	124	67	3	0	0	0	0	0	0	0	216	36	33
19:00	0	0	0	9	37	17	3	1	0	0	0	0	0	0	67	37	33
20:00	1	0	2	12	29	10	2	0	0	0	0	0	0	0	56	35	31
21:00	0	0	1	6	9	9	1	0	0	0	0	0	0	0	26	37	33
22:00	0	0	0	4	3	1	0	0	0	0	0	0	0	0	8	33	30
23:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	32	30
Total	3	4	27	225	751	396	51	2	0	0	0	0	0	0	1459		
%	0.2%	0.3%	1.9%	15.4%	51.5%	27.1%	3.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00	10:00	05:00	10:00	11:00	08:00	11:00	10:00							11:00		
PM Peak Vol.	2	2	1	12	23	11	3	1							40		
	20:00	12:00	15:00	17:00	17:00	17:00	17:00	19:00							17:00		
	1	1	4	43	184	98	14	1							340		

Stats

15th Percentile :	28 MPH
50th Percentile :	32 MPH
85th Percentile :	36 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	1147
Percent in Pace :	78.6%
Number of Vehicles > 30 MPH :	1050
Percent of Vehicles > 30 MPH :	72.0%



Haynes Road  
e/o Pantry Road  
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165313 E Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	39	40	44	45	49	50	54	55	59	60	64	65	69	70	9999	Total	85th % ile	Ave Speed
<b>10/13/</b>																										
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27
02:00	0	0	0	0	0	0	0	0	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	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	0	0	0	0	0	0	0	0	*	*	*
05:00	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	38	36
06:00	0	0	2	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	33	29
07:00	0	0	1	<b>19</b>	<b>53</b>	<b>15</b>	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>90</b>	35	32
08:00	0	1	<b>5</b>	19	47	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	33	31
09:00	0	1	2	12	21	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	36	32
10:00	0	0	1	12	19	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	34	31
11:00	0	<b>2</b>	2	14	15	10	<b>3</b>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	37	31
12 PM	0	1	1	16	29	15	1	<b>1</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	36	32
13:00	0	0	3	14	33	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	36	32
14:00	<b>2</b>	<b>4</b>	<b>15</b>	24	45	22	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	35	30
15:00	1	0	6	31	100	29	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175	35	32
16:00	0	3	4	34	158	66	<b>10</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	275	36	33
17:00	0	0	0	<b>52</b>	<b>261</b>	<b>125</b>	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>446</b>	36	33
18:00	0	0	4	50	147	60	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264	35	32
19:00	0	0	4	9	57	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	36	33
20:00	0	0	1	11	24	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	36	32
21:00	0	0	2	13	19	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	35	31
22:00	0	0	0	1	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	38	35
23:00	0	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	36	32
Total	3	12	53	344	1043	437	44	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1942		
%	0.2%	0.6%	2.7%	17.7%	53.7%	22.5%	2.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
AM Peak Vol.		11:00	08:00	07:00	07:00	07:00	11:00	11:00																07:00		
PM Peak Vol.		2	5	19	53	15	3	1																90		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1480  
 Percent in Pace : 76.2%  
 Number of Vehicles > 30 MPH : 1321  
 Percent of Vehicles > 30 MPH : 68.0%



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165313 E Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
01:00	0	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	0	*	*	*
03:00	0	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	0	*	*	*
05:00	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6	34	31
06:00	0	0	0	7	7	5	0	0	0	0	0	0	0	0	0	0	19	36	31
07:00	0	1	3	16	<b>61</b>	<b>17</b>	2	0	0	0	0	0	0	0	0	0	<b>100</b>	35	32
08:00	0	0	<b>6</b>	17	33	13	1	0	0	0	0	0	0	0	0	0	70	35	31
09:00	0	0	2	14	15	7	0	<b>1</b>	0	0	0	0	0	0	0	0	39	35	31
10:00	0	0	2	12	29	11	<b>4</b>	0	0	0	0	0	0	0	0	0	58	36	32
11:00	0	0	4	<b>24</b>	31	11	1	1	0	0	0	0	0	0	0	0	72	34	31
12 PM	<b>2</b>	0	3	20	25	8	0	0	0	0	0	0	0	0	0	0	58	33	30
13:00	0	2	3	16	30	7	3	0	0	0	0	0	0	0	0	0	61	34	31
14:00	0	0	<b>10</b>	24	73	27	6	0	0	0	0	0	0	0	0	0	140	36	32
15:00	0	<b>6</b>	6	31	95	54	4	0	0	0	0	0	0	0	0	0	196	36	32
16:00	0	0	2	30	185	98	8	<b>1</b>	0	0	0	0	0	0	0	0	324	36	33
17:00	0	0	3	32	<b>228</b>	<b>121</b>	<b>14</b>	0	0	0	0	0	0	0	0	0	<b>398</b>	37	33
18:00	0	1	4	<b>33</b>	105	60	12	0	0	0	0	0	0	0	0	0	215	37	33
19:00	0	2	2	11	25	18	5	0	0	0	0	0	0	0	0	0	63	37	33
20:00	0	0	1	5	24	8	5	1	0	0	0	0	0	0	0	0	44	38	34
21:00	0	0	1	12	28	16	2	0	0	0	0	0	0	0	0	0	59	36	33
22:00	0	0	2	6	12	6	0	0	0	0	0	0	0	0	0	0	26	35	31
23:00	0	0	0	1	9	2	0	0	0	0	0	0	0	0	0	0	12	34	32
Total	2	12	54	313	1019	490	67	4	0	0	0	0	0	0	0	0	1961		
%	0.1%	0.6%	2.8%	16.0%	52.0%	25.0%	3.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		07:00	08:00	11:00	07:00	07:00	10:00	09:00									07:00		
PM Peak Vol.	12:00	15:00	14:00	18:00	17:00	17:00	17:00	16:00									17:00		
	2	6	10	33	228	121	14	1									398		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1509  
 Percent in Pace : 77.0%  
 Number of Vehicles > 30 MPH : 1376  
 Percent of Vehicles > 30 MPH : 70.2%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 E Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	39	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																				
16	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	7	36	33
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	38	37	
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	28	27	
03:00	0	0	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	0	0	*	*	
05:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32	
06:00	0	0	1	1	5	2	0	0	0	0	0	0	0	0	0	0	9	35	31	
07:00	0	0	2	4	18	9	0	0	0	0	0	0	0	0	0	0	33	36	32	
08:00	0	1	1	7	11	3	0	0	0	0	0	0	0	0	0	0	23	33	30	
09:00	0	0	1	13	23	10	2	0	0	0	0	0	0	0	0	0	49	36	32	
10:00	0	1	5	21	32	19	2	0	0	0	0	0	0	0	0	0	80	36	31	
11:00	0	0	2	13	33	23	3	0	0	0	0	0	0	0	0	0	74	37	33	
12 PM	0	0	3	19	44	18	2	0	0	0	0	0	0	0	0	0	86	35	32	
13:00	0	1	2	14	40	15	3	0	0	0	0	0	0	0	0	0	75	36	32	
14:00	0	1	5	12	42	17	2	0	1	0	0	0	0	0	0	0	80	36	32	
15:00	0	2	4	26	54	19	2	1	0	0	0	0	0	0	0	0	108	35	31	
16:00	0	0	1	10	33	16	1	0	0	0	0	0	0	0	0	0	61	36	32	
17:00	0	0	0	9	30	13	1	0	0	0	0	0	0	0	0	0	53	36	33	
18:00	0	0	2	8	23	6	1	0	0	0	0	0	0	0	0	0	40	34	31	
19:00	0	0	1	7	17	8	1	0	0	0	0	0	0	0	0	0	34	36	32	
20:00	0	0	0	7	7	5	2	0	0	0	0	0	0	0	0	0	21	37	32	
21:00	0	0	0	2	13	7	0	0	0	0	0	0	0	0	0	0	22	36	33	
22:00	0	0	0	2	10	7	0	0	0	0	0	0	0	0	0	0	19	36	33	
23:00	0	0	1	3	8	2	0	1	0	0	0	0	0	0	0	0	15	35	32	
Total	0	0	6	31	180	448	202	22	2	1	0	0	0	0	0	0	892			
%	0.0%	0.7%	3.5%	20.2%	50.2%	22.6%	2.5%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.		08:00	10:00	10:00	11:00	11:00	11:00										10:00			
PM Peak Vol.		1	5	21	33	23	3										80			

Stats	15th Percentile :	26 MPH
	50th Percentile :	31 MPH
	85th Percentile :	36 MPH
	95th Percentile :	38 MPH
	Mean Speed(Average) :	32 MPH
	10 MPH Pace Speed :	30-39 MPH
	Number in Pace :	650
	Percent in Pace :	72.9%
	Number of Vehicles > 30 MPH :	585
	Percent of Vehicles > 30 MPH :	65.6%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 E Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	33	32
01:00	0	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	0	*	*	*
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	43	42
04:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	36	34
05:00	0	1	1	0	9	8	5	1	0	0	0	0	0	0	0	0	25	41	35
06:00	0	0	0	19	80	57	8	1	0	0	0	0	0	0	0	0	165	37	34
07:00	0	1	3	24	128	73	11	1	0	0	0	0	0	0	0	0	241	37	33
08:00	0	0	5	29	130	67	4	0	0	0	0	0	0	0	0	0	235	36	33
09:00	0	1	4	13	54	33	1	1	0	0	0	0	0	0	0	0	107	36	33
10:00	1	2	1	12	20	19	3	1	0	0	0	0	0	0	0	0	59	37	32
11:00	0	0	3	9	21	17	5	0	0	0	0	0	0	0	0	0	55	38	33
12 PM	0	0	1	10	40	15	1	0	0	0	0	0	0	0	0	0	67	35	32
13:00	0	0	3	9	20	17	1	1	0	0	0	0	0	0	0	0	51	37	33
14:00	0	1	1	16	20	21	4	0	0	0	0	0	0	0	0	0	63	37	33
15:00	0	0	2	9	36	11	3	1	0	0	0	0	0	0	0	0	62	36	33
16:00	1	0	1	13	33	16	1	0	0	0	0	0	0	0	0	0	65	36	32
17:00	0	1	1	9	18	11	0	0	0	0	0	0	0	0	0	0	40	36	32
18:00	0	0	0	5	21	10	1	0	0	0	0	0	0	0	0	0	37	36	33
19:00	0	0	0	7	18	5	1	0	0	0	0	0	0	0	0	0	31	35	32
20:00	0	0	0	5	5	9	0	0	0	0	0	0	0	0	0	0	19	37	33
21:00	0	0	0	4	5	2	1	0	0	0	0	0	0	0	0	0	12	36	32
22:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4	37	35
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	37	35
Total	2	7	26	193	664	395	51	7	0	0	0	0	0	0	0	0	1345		
%	0.1%	0.5%	1.9%	14.3%	49.4%	29.4%	3.8%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	10:00	10:00	08:00	08:00	08:00	07:00	07:00	05:00									07:00		
PM Peak Vol.	1	2	5	29	130	73	11	1									241		

Stats                    15th Percentile : 28 MPH  
                       50th Percentile : 32 MPH  
                       85th Percentile : 37 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1059  
 Percent in Pace : 78.7%  
 Number of Vehicles > 30 MPH : 984  
 Percent of Vehicles > 30 MPH : 73.2%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 E Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	38	37	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
04:00	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	3	46	32	
05:00	0	0	0	3	11	12	1	0	0	0	0	0	0	0	0	27	37	34	
06:00	0	0	1	26	119	37	8	0	0	0	0	0	0	0	0	191	36	33	
07:00	0	2	7	91	280	112	6	0	0	0	0	0	0	0	0	498	35	32	
08:00	2	4	8	58	150	97	10	0	1	0	0	0	0	0	0	330	37	32	
09:00	0	2	3	20	62	40	4	1	0	0	0	0	0	0	0	132	37	33	
10:00	0	1	4	9	33	16	1	0	0	0	0	0	0	0	0	64	36	32	
11:00	0	0	2	8	30	12	4	0	0	0	0	0	0	0	0	56	37	33	
12 PM	0	0	3	9	25	8	3	0	0	0	0	0	0	0	0	48	36	32	
13:00	0	1	0	6	34	14	1	1	0	0	0	0	0	0	0	57	36	33	
14:00	1	3	7	21	33	11	2	0	0	0	0	0	0	0	0	78	34	30	
15:00	0	0	2	22	58	16	4	0	0	0	0	0	0	0	0	102	35	32	
16:00	0	0	0	14	60	11	2	1	0	0	0	0	0	0	0	88	34	32	
17:00	0	0	0	14	39	15	0	0	0	0	0	0	0	0	0	68	35	32	
18:00	0	0	3	22	37	9	1	0	0	0	0	0	0	0	0	72	33	31	
19:00	0	2	1	13	21	14	2	1	0	0	0	0	0	0	0	54	37	32	
20:00	0	0	0	4	12	4	1	0	1	0	0	0	0	0	0	22	37	33	
21:00	0	0	0	6	16	3	0	0	0	0	0	0	0	0	0	25	33	31	
22:00	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5	37	34	
23:00	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	4	36	28	
Total	3	17	41	347	1025	435	50	5	2	0	0	0	0	0	0	1925			
%	0.2%	0.9%	2.1%	18.0%	53.2%	22.6%	2.6%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	08:00	08:00	08:00	07:00	07:00	07:00	08:00	04:00	08:00							07:00			
PM Peak Vol.	2	4	8	91	280	112	10	1	1							498			
	14:00	14:00	14:00	15:00	16:00	15:00	15:00	13:00	20:00							15:00			
	1	3	7	22	60	16	4	1	1							102			

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1460  
 Percent in Pace : 75.8%  
 Number of Vehicles > 30 MPH : 1312  
 Percent of Vehicles > 30 MPH : 68.2%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 E Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	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	0	0	*	*
02:00	0	0	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	0	0	*	*
04:00	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	5	37	34
05:00	0	0	0	0	16	8	3	0	0	0	0	0	0	0	0	0	27	38	35
06:00	0	0	1	18	93	42	10	0	0	0	0	0	0	0	0	0	164	37	33
07:00	0	1	4	66	252	102	5	0	0	0	0	0	0	0	0	0	430	36	32
08:00	0	0	4	56	167	76	8	1	0	0	0	0	0	0	0	0	312	36	32
09:00	0	0	1	14	50	23	8	0	0	0	0	0	0	0	0	0	96	37	33
10:00	0	1	2	12	27	9	5	0	0	0	0	0	0	0	0	0	56	37	32
11:00	0	0	6	9	24	18	1	0	0	0	0	0	0	0	0	0	58	36	32
12 PM	1	0	2	17	35	16	3	0	0	0	0	0	0	0	0	0	74	36	32
13:00	1	2	3	12	18	4	0	0	0	0	0	0	0	0	0	0	40	33	29
14:00	0	0	2	6	26	18	3	0	0	0	0	0	0	0	0	0	55	37	33
15:00	0	1	2	17	48	22	4	1	0	1	0	0	0	0	0	0	96	37	33
16:00	0	0	1	13	45	21	1	1	0	0	0	0	0	0	0	0	82	36	33
17:00	0	1	3	13	39	11	3	0	0	0	0	0	0	0	0	0	70	35	32
18:00	0	4	5	15	33	24	2	1	0	0	0	0	0	0	0	0	84	37	32
19:00	2	1	0	11	20	15	4	0	0	0	0	0	0	0	0	0	53	37	32
20:00	0	0	1	5	11	5	3	0	0	0	0	0	0	0	0	0	25	38	33
21:00	0	0	1	4	10	4	3	0	0	0	0	0	0	0	0	0	22	38	33
22:00	0	0	0	1	6	2	0	0	0	0	0	0	0	0	0	0	9	35	33
23:00	0	0	0	1	5	3	0	0	0	0	0	0	0	0	0	0	9	36	33
Total	4	11	38	291	926	426	66	4	0	1	0	0	0	0	0	0	1767		
%	0.2%	0.6%	2.2%	16.5%	52.4%	24.1%	3.7%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		07:00	11:00	07:00	07:00	07:00	06:00	08:00									07:00		
PM Peak Vol.	19:00	18:00	18:00	12:00	15:00	18:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00		
Vol.	2	4	5	17	48	24	4	1									96		

Stats                    15th Percentile : 27 MPH  
                       50th Percentile : 31 MPH  
                       85th Percentile : 36 MPH  
                       95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1352  
 Percent in Pace : 76.5%  
 Number of Vehicles > 30 MPH : 1238  
 Percent of Vehicles > 30 MPH : 70.1%



Haynes Road  
e/o Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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Email: datarequests@pdilc.com

165313 E Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	38	37
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	38	37
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	38	37
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
05:00	0	0	0	1	3	0	0	1	0	0	0	0	0	0	0	0	5	40	33
06:00	0	0	1	2	9	8	0	1	0	0	0	0	0	0	0	0	21	37	34
07:00	0	0	<b>3</b>	12	33	23	<b>5</b>	1	0	0	1	0	0	0	0	0	78	37	33
08:00	0	0	2	9	42	10	4	0	0	0	0	0	0	0	0	0	67	35	32
09:00	0	0	3	12	32	14	3	0	0	0	0	0	0	0	0	0	64	36	32
10:00	0	0	0	<b>16</b>	29	18	2	0	0	0	0	0	0	0	0	0	65	36	32
11:00	0	1	1	10	<b>48</b>	<b>24</b>	1	0	0	0	0	0	0	0	0	0	<b>85</b>	36	33
12 PM	0	0	2	<b>26</b>	34	17	<b>3</b>	0	0	0	0	0	0	0	0	0	<b>82</b>	36	32
13:00	<b>1</b>	<b>1</b>	2	15	39	<b>21</b>	3	0	0	0	0	0	0	0	0	0	82	36	32
14:00	0	0	3	5	<b>40</b>	15	0	0	0	0	0	0	0	0	0	0	63	35	32
15:00	0	0	3	8	35	17	3	0	0	0	0	0	0	0	0	0	66	36	33
16:00	0	0	1	20	33	13	1	0	0	0	0	0	0	0	0	0	68	35	31
17:00	0	0	3	17	31	16	2	0	0	0	0	0	0	0	0	0	69	36	32
18:00	1	0	<b>5</b>	11	17	6	0	0	0	0	0	0	0	0	0	0	40	34	30
19:00	0	0	1	0	13	10	2	0	0	0	0	0	0	0	0	0	26	38	34
20:00	0	0	0	3	11	7	2	0	0	0	0	0	0	0	0	0	23	37	34
21:00	0	0	0	4	6	3	0	0	0	0	0	0	0	0	0	0	13	35	32
22:00	0	0	0	3	6	4	0	0	0	0	0	0	0	0	0	0	13	36	32
23:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	38	37	
Total	2	2	30	174	461	231	32	2	0	1	0	0	0	0	0	0	935		
%	0.2%	0.2%	3.2%	18.6%	49.3%	24.7%	3.4%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.			11:00	07:00	10:00	11:00	11:00	07:00	06:00		07:00						11:00		
PM Peak Vol.			1	3	16	48	24	5	1		1						85		
			13:00	13:00	18:00	12:00	14:00	13:00	12:00								12:00		
			1	1	5	26	40	21	3								82		

Stats

15th Percentile :	27 MPH
50th Percentile :	31 MPH
85th Percentile :	36 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	692
Percent in Pace :	74.0%
Number of Vehicles > 30 MPH :	635
Percent of Vehicles > 30 MPH :	67.9%



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 F Volume  
Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	5	8	5	4	5	2	7	5	*	*	*	*	*	*	6	5
01:00	0	1	3	1	2	1	6	4	*	*	*	*	*	*	3	2
02:00	1	0	1	0	0	0	0	2	*	*	*	*	*	*	0	0
03:00	2	0	1	2	2	2	0	1	*	*	*	*	*	*	1	1
04:00	4	4	6	5	4	4	3	1	*	*	*	*	*	*	4	4
05:00	20	9	15	11	19	15	3	3	*	*	*	*	*	*	14	10
06:00	65	41	87	54	71	48	18	19	*	*	*	*	*	*	60	40
07:00	150	96	204	151	192	145	67	66	*	*	*	*	*	*	153	114
08:00	186	166	219	196	216	187	73	82	*	*	*	*	*	*	174	158
09:00	131	152	155	145	137	128	91	117	*	*	*	*	*	*	128	136
10:00	127	121	116	109	109	121	132	137	*	*	*	*	*	*	121	122
11:00	141	128	140	114	128	137	182	110	*	*	*	*	*	*	148	122
12:00 PM	150	118	141	133	150	120	183	129	*	*	*	*	*	*	156	125
01:00	138	141	144	127	135	127	169	129	*	*	*	*	*	*	146	131
02:00	168	137	170	151	208	167	141	117	*	*	*	*	*	*	172	143
03:00	178	171	231	185	214	200	144	175	*	*	*	*	*	*	192	183
04:00	184	155	195	197	186	213	118	133	*	*	*	*	*	*	171	174
05:00	179	193	261	192	243	213	113	106	*	*	*	*	*	*	199	176
06:00	142	142	191	135	187	170	107	80	*	*	*	*	*	*	157	132
07:00	81	86	75	95	99	92	62	63	*	*	*	*	*	*	79	84
08:00	73	71	52	60	89	52	75	32	*	*	*	*	*	*	72	54
09:00	49	35	55	19	85	50	51	33	*	*	*	*	*	*	60	34
10:00	26	15	25	19	60	37	34	36	*	*	*	*	*	*	36	27
11:00	6	13	12	14	20	38	28	24	*	*	*	*	*	*	16	22
Total Day	2206	2003	2504	2119	2561	2269	1807	1604	0	0	0	0	0	0	2268	1999
AM Peak Vol.	08:00	08:00	08:00	08:00	08:00	08:00	11:00	10:00	-	-	-	-	-	-	08:00	08:00
PM Peak Vol.	16:00	17:00	17:00	16:00	17:00	16:00	12:00	15:00	-	-	-	-	-	-	17:00	15:00
Comb. Total	4209		4623		4830		3411		0		0		0		4267	
ADT	ADT 4,268		AADT 4,268													

Comb. Total	4209	4623	4830	3411	0	0	0	0	0	0	0	0	0	0	4267
ADT	ADT 4,268		AADT 4,268												

Pantry Road  
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City, State: Sudbury, MA  
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165313 F Volume  
Site Code: TBA

Start	SB			NB			Combined		12-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Wed
12:00	1		23	4		25	5	48	
12:15	3		30	3		40	6	70	
12:30	0		51	0		30	0	81	
12:45	1	5	46	150	1	8	23	118	268
01:00	0		37	0		41	0	78	
01:15	0		32	0		29	0	61	
01:30	0		25	0		40	0	65	
01:45	0	0	44	138	1	1	31	141	279
02:00	0		37	0		28	0	65	
02:15	0		47	0		36	0	83	
02:30	0		37	0		35	0	72	
02:45	1	1	47	168	0	0	38	137	305
03:00	1		37	0		35	1	72	
03:15	1		42	0		30	1	72	
03:30	0		53	0		60	0	113	
03:45	0	2	46	178	0	0	46	171	349
04:00	0		31	2		35	2	66	
04:15	1		34	0		40	1	74	
04:30	1		58	0		30	1	88	
04:45	2	4	61	184	2	4	50	155	339
05:00	3		36	2		53	5	89	
05:15	6		39	1		52	7	91	
05:30	7		48	2		35	9	83	
05:45	4	20	56	179	4	9	53	193	372
06:00	13		46	7		43	20	89	
06:15	10		38	10		47	20	85	
06:30	16		32	13		28	29	60	
06:45	26	65	26	142	11	41	24	142	284
07:00	31		25	13		33	44	58	
07:15	31		20	22		20	53	40	
07:30	47		22	22		20	69	42	
07:45	41	150	14	81	39	96	13	86	167
08:00	49		20	39		25	88	45	
08:15	52		23	43		16	95	39	
08:30	37		19	46		22	83	41	
08:45	48	186	11	73	38	166	8	71	144
09:00	38		20	42		10	80	30	
09:15	36		12	44		15	80	27	
09:30	25		11	35		7	60	18	
09:45	32	131	6	49	31	152	3	35	84
10:00	30		8	30		3	60	11	
10:15	29		5	36		7	65	12	
10:30	32		11	27		3	59	14	
10:45	36	127	2	26	28	121	2	15	41
11:00	39		0	38		7	77	7	
11:15	37		1	24		2	61	3	
11:30	31		4	31		1	62	5	
11:45	34	141	1	6	35	128	3	13	19
Total	832		1374		726		1277		2651
Percent	53.4%		51.8%		46.6%		48.2%		
Day Total		2206			2003			4209	
Peak Vol.	07:30	-	04:30	-	08:30	-	05:00	-	04:30
P.H.F.	189	-	194	-	170	-	193	-	379
	0.909		0.795		0.924		0.910		0.854

Pantry Road  
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165313 F Volume  
Site Code: TBA

Start Time	A.M.	SB		NB			Combined		13-Oct-16
		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	
12:00	1		42	1	39	2	81		
12:15	3		32	1	29	4	61		
12:30	1		35	2	28	3	63		
12:45	0	5	32	141	0	4	37	133	0
01:00	0		35	0	33	0	0		68
01:15	0		29	0	33	0	0		62
01:30	0		36	0	30	0	0		66
01:45	3	3	44	144	1	1	31	127	4
02:00	0		40	0	39	0	0		79
02:15	0		33	0	28	0	0		61
02:30	1		43	0	46	1	1		89
02:45	0	1	54	170	0	0	38	151	0
03:00	0		47	0	36	0	0		83
03:15	0		57	2	49	2	2		106
03:30	0		77	0	47	0	0		124
03:45	1	1	50	231	0	2	53	185	1
04:00	0		50	2	49	2	2		99
04:15	2		49	1	39	3	3		88
04:30	4		46	0	49	4	4		95
04:45	0	6	50	195	2	5	60	197	2
05:00	4		73	2	49	6	6		122
05:15	3		74	1	50	4	4		124
05:30	6		65	3	49	9	9		114
05:45	2	15	49	261	5	11	44	192	7
06:00	20		59	7	36	27	27		95
06:15	18		50	13	42	31	31		92
06:30	21		40	12	35	33	33		75
06:45	28	87	42	191	22	54	22	135	50
07:00	26		25	26	23	52	52	141	64
07:15	49		17	54	31	103	103		48
07:30	65		19	30	22	95	95		41
07:45	64	204	14	75	41	151	19	95	105
08:00	51		15	42	14	93	93		29
08:15	69		11	49	22	118	118		33
08:30	48		17	58	16	106	106		33
08:45	51	219	9	52	47	196	8	60	98
09:00	51		15	44	4	95	95		19
09:15	38		21	39	9	77	77		30
09:30	39		8	37	4	76	76		12
09:45	27	155	11	55	25	145	2	19	52
10:00	27		9	36	5	63	63		14
10:15	32		2	23	4	55	55		6
10:30	31		10	16	6	47	47		16
10:45	26	116	4	25	34	109	4	19	60
11:00	32		3	20	4	52	52		7
11:15	45		3	30	5	75	75		8
11:30	33		3	29	4	62	62		7
11:45	30	140	3	12	35	114	1	14	65
Total	952		1552	792	1327	1744		2879	
Percent	54.6%		53.9%	45.4%	46.1%				
Day Total		2504		2119		4623			
Peak Vol.	07:30	-	04:45	-	08:15	-	04:30	-	04:45
P.H.F.	249	-	262	-	198	-	208	-	422
	0.902		0.885		0.853		0.867		0.470
									0.948

Pantry Road  
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City, State: Sudbury, MA  
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165313 F Volume  
Site Code: TBA

Start	SB			NB			Combined		14-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Fri
12:00	1		46	0		28	1	74	
12:15	1		40	1		32	2	72	
12:30	1		37	0		32	1	69	
12:45	2	5	27	150	1	28	120	3	270
01:00	1		26	0		32	1	58	
01:15	1		33	0		37	1	70	
01:30	0		34	1		27	1	61	
01:45	0	2	42	135	0	1	31	73	262
02:00	0		44	0		33	0	77	
02:15	0		50	0		42	0	92	
02:30	0		45	0		38	0	83	
02:45	0	0	69	208	0	0	54	123	375
03:00	0		48	0		44	0	92	
03:15	0		55	0		45	0	100	
03:30	1		58	1		49	2	107	
03:45	1	2	53	214	1	2	62	200	414
04:00	1		45	0		40	1	85	
04:15	2		54	1		58	3	112	
04:30	1		44	1		66	2	110	
04:45	0	4	43	186	2	4	49	213	399
05:00	1		58	2		55	3	113	
05:15	5		64	1		54	6	118	
05:30	3		59	4		49	7	108	
05:45	10	19	62	243	8	15	55	213	456
06:00	10		50	7		39	17	89	
06:15	15		36	9		42	24	78	
06:30	18		57	11		40	29	97	
06:45	28	71	44	187	21	48	49	119	357
07:00	42		32	31		30	73	62	
07:15	48		24	41		27	89	51	
07:30	45		23	40		17	85	40	
07:45	57	192	20	99	33	145	18	92	191
08:00	59		21	30		15	89	36	
08:15	43		21	55		10	98	31	
08:30	67		20	54		8	121	28	
08:45	47	216	27	89	48	187	19	52	46
09:00	43		29	46		14	89	43	
09:15	34		26	31		13	65	39	
09:30	35		15	35		10	70	25	
09:45	25	137	15	85	16	128	13	50	135
10:00	30		15	26		11	56	26	
10:15	29		15	34		9	63	24	
10:30	22		19	28		11	50	30	
10:45	28	109	11	60	33	121	6	37	97
11:00	39		6	32		14	71	20	
11:15	29		9	35		10	64	19	
11:30	28		3	36		10	64	13	
11:45	32	128	2	20	34	137	4	38	58
Total	885		1676	790		1479	1675	3155	
Percent	52.8%		53.1%	47.2%		46.9%			
Day Total		2561		2269			4830		
Peak Vol.	07:45	-	05:00	-	08:15	-	04:15	-	05:00
	226	-	243	-	203	-	228	-	456
P.H.F.	0.843		0.949		0.923		0.864		0.966

Pantry Road  
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165313 F Volume  
Site Code: TBA

Start	SB			NB			Combined		15-Oct-16 Sat
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	
12:00	2		59	1		35	3	94	
12:15	2		42	2		31	4	73	
12:30	2		41	1		28	3	69	
12:45	1	7	41	183	1	5	35	129	2 12 76 312
01:00	2		31	0		29	2	60	
01:15	0		31	1		39	1	70	
01:30	3		46	1		37	4	83	
01:45	1	6	61	169	2	4	24	129	3 10 85 298
02:00	0		27	1		26	1	53	
02:15	0		42	0		23	0	65	
02:30	0		37	0		26	0	63	
02:45	0	0	35	141	1	2	42	117	1 2 77 258
03:00	0		42	0		34	0	76	
03:15	0		34	1		38	1	72	
03:30	0		33	0		68	0	101	
03:45	0	0	35	144	0	1	35	175	0 1 70 319
04:00	1		33	1		29	2	62	
04:15	2		36	0		31	2	67	
04:30	0		25	0		48	0	73	
04:45	0	3	24	118	0	1	25	133	0 4 49 251
05:00	1		16	1		33	2	49	
05:15	1		37	0		25	1	62	
05:30	1		31	1		21	2	52	
05:45	0	3	29	113	1	3	27	106	1 6 56 219
06:00	5		41	2		24	7	65	
06:15	3		17	4		28	7	45	
06:30	4		26	4		6	8	32	
06:45	6	18	23	107	9	19	22	80	15 37 45 187
07:00	1		16	12		15	13	31	
07:15	17		21	17		16	34	37	
07:30	30		11	19		19	49	30	
07:45	19	67	14	62	18	66	13	63	37 133 27 125
08:00	12		21	15		10	27	31	
08:15	15		21	16		8	31	29	
08:30	22		21	23		8	45	29	
08:45	24	73	12	75	28	82	6	32	52 155 18 107
09:00	27		17	25		9	52	26	
09:15	14		10	32		5	46	15	
09:30	28		9	28		12	56	21	
09:45	22	91	15	51	32	117	7	33	54 208 22 84
10:00	32		9	34		9	66	18	
10:15	29		10	39		6	68	16	
10:30	41		6	31		12	72	18	
10:45	30	132	9	34	33	137	9	36	63 269 18 70
11:00	35		8	30		8	65	16	
11:15	36		6	20		8	56	14	
11:30	58		9	35		4	93	13	
11:45	53		182	5	28	25	110	4	24 78 292 9 52
Total	582		1225	547		1057		1129	2282
Percent	51.6%		53.7%	48.4%		46.3%			
Day Total		1807		1604			3411		
Peak Vol.	11:00	-	12:00	-	10:00	-	02:45	-	11:00
	182	-	183	-	137	-	182	-	292
P.H.F.	0.784		0.775		0.878		0.669		0.785
									0.807



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165313 F Class  
Site Code: TBA

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
01:00	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	1
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	3	0	0	1	0	0	0	0	0	0	0	0	4
05:00	0	14	6	0	0	0	0	0	0	0	0	0	0	20
06:00	2	47	14	0	1	1	0	0	0	0	0	0	0	65
07:00	2	128	16	0	2	0	0	0	2	0	0	0	0	150
08:00	1	146	30	0	7	1	0	1	0	0	0	0	0	186
09:00	2	97	22	1	8	1	0	0	0	0	0	0	0	131
10:00	2	97	18	0	8	0	2	0	0	0	0	0	0	127
11:00	0	109	19	2	9	2	0	0	0	0	0	0	0	141
12 PM	5	115	23	2	3	1	0	1	0	0	0	0	0	150
13:00	1	115	16	0	3	1	0	2	0	0	0	0	0	138
14:00	4	131	27	0	3	3	0	0	0	0	0	0	0	168
15:00	4	143	24	0	4	3	0	0	0	0	0	0	0	178
16:00	3	146	32	0	1	0	0	2	0	0	0	0	0	184
17:00	0	153	20	0	4	1	0	1	0	0	0	0	0	179
18:00	2	122	18	0	0	0	0	0	0	0	0	0	0	142
19:00	0	75	5	0	1	0	0	0	0	0	0	0	0	81
20:00	0	68	4	0	1	0	0	0	0	0	0	0	0	73
21:00	0	37	10	0	2	0	0	0	0	0	0	0	0	49
22:00	0	25	1	0	0	0	0	0	0	0	0	0	0	26
23:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Total	28	1784	305	5	59	14	2	7	2	0	0	0	0	2206
Percent	1.3%	80.9%	13.8%	0.2%	2.7%	0.6%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	06:00	08:00	08:00	11:00	11:00	11:00	10:00	08:00	07:00					08:00
PM Peak Vol.	2	146	30	2	9	2	2	1	2					186
PM Peak Vol.	12:00	17:00	16:00	12:00	15:00	14:00		13:00						16:00
PM Peak Vol.	5	153	32	2	4	3		2						184



Pantry Road  
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165313 F Class  
Site Code: TBA

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	5
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
05:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
06:00	1	65	17	4	0	0	0	0	0	0	0	0	0	87
07:00	0	160	35	2	3	2	0	2	0	0	0	0	0	204
08:00	5	172	35	0	3	3	0	1	0	0	0	0	0	219
09:00	0	112	28	1	10	2	0	2	0	0	0	0	0	155
10:00	0	88	24	0	2	1	0	1	0	0	0	0	0	116
11:00	0	104	31	0	4	0	0	1	0	0	0	0	0	140
12 PM	2	101	32	2	4	0	0	0	0	0	0	0	0	141
13:00	3	114	21	0	4	1	0	0	1	0	0	0	0	144
14:00	1	146	17	4	2	0	0	0	0	0	0	0	0	170
15:00	1	194	29	0	4	1	0	2	0	0	0	0	0	231
16:00	0	154	34	2	4	0	0	0	1	0	0	0	0	195
17:00	0	221	34	1	3	0	0	2	0	0	0	0	0	261
18:00	2	172	15	0	1	0	0	0	1	0	0	0	0	191
19:00	0	67	7	0	1	0	0	0	0	0	0	0	0	75
20:00	0	46	5	0	1	0	0	0	0	0	0	0	0	52
21:00	0	48	3	0	4	0	0	0	0	0	0	0	0	55
22:00	0	23	1	0	1	0	0	0	0	0	0	0	0	25
23:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
Total Percent	15 0.6%	2026 80.9%	372 14.9%	16 0.6%	51 2.0%	10 0.4%	0 0.0%	11 0.4%	3 0.1%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2504
AM Peak Vol.	08:00 5	08:00 172	07:00 35	06:00 4	09:00 10	08:00 3			07:00 2					08:00 219
PM Peak Vol.	13:00 3	17:00 221	16:00 34	14:00 4	12:00 4	13:00 1			15:00 2	13:00 1				17:00 261



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 F Class  
Site Code: TBA

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
06:00	6	0	4	0	0	1	0	0	0	0	0	0	0	5
01:00	0	0	2	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
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	4	0	0	0	0	0	0	0	0	0	0	4
05:00	0	0	17	2	0	0	0	0	0	0	0	0	0	19
06:00	1	50	12	4	1	2	1	0	0	0	0	0	0	71
07:00	1	153	33	1	3	0	0	0	1	0	0	0	0	192
08:00	4	164	40	2	4	0	1	1	0	0	0	0	0	216
09:00	1	99	24	1	9	1	0	2	0	0	0	0	0	137
10:00	0	81	22	1	3	1	0	1	0	0	0	0	0	109
11:00	1	97	24	0	6	0	0	0	0	0	0	0	0	128
12 PM	0	116	27	1	4	2	0	0	0	0	0	0	0	150
13:00	2	111	14	0	5	2	1	0	0	0	0	0	0	135
14:00	1	163	35	4	4	0	0	0	1	0	0	0	0	208
15:00	1	175	32	1	3	1	0	0	1	0	0	0	0	214
16:00	1	145	34	0	4	0	0	1	1	0	0	0	0	186
17:00	2	214	22	2	2	1	0	0	0	0	0	0	0	243
18:00	1	173	13	0	0	0	0	0	0	0	0	0	0	187
19:00	0	94	5	0	0	0	0	0	0	0	0	0	0	99
20:00	0	79	10	0	0	0	0	0	0	0	0	0	0	89
21:00	0	73	12	0	0	0	0	0	0	0	0	0	0	85
22:00	0	55	5	0	0	0	0	0	0	0	0	0	0	60
23:00	0	16	3	0	1	0	0	0	0	0	0	0	0	20
Total	16	2087	369	17	50	10	3	5	4	0	0	0	0	2561
Percent	0.6%	81.5%	14.4%	0.7%	2.0%	0.4%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	08:00	08:00	06:00	09:00	06:00	06:00	09:00	07:00					08:00
PM Peak Vol.	4	164	40	4	9	2	1	2	1					216
PM Peak Vol.	13:00	17:00	14:00	14:00	13:00	12:00	13:00	16:00	14:00					17:00
PM Peak Vol.	2	214	35	4	5	2	1	1	1					243



Pantry Road  
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165313 F Class  
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SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
01:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
02:00	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
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	16	2	0	0	0	0	0	0	0	0	0	0	18
07:00	0	53	10	0	3	0	0	1	0	0	0	0	0	67
08:00	0	56	14	0	2	0	0	1	0	0	0	0	0	73
09:00	0	74	14	0	3	0	0	0	0	0	0	0	0	91
10:00	4	116	10	1	1	0	0	0	0	0	0	0	0	132
11:00	0	156	24	0	1	0	0	1	0	0	0	0	0	182
12 PM	4	166	13	0	0	0	0	0	0	0	0	0	0	183
13:00	1	135	30	0	3	0	0	0	0	0	0	0	0	169
14:00	0	130	10	0	1	0	0	0	0	0	0	0	0	141
15:00	0	129	12	1	1	0	0	1	0	0	0	0	0	144
16:00	2	107	9	0	0	0	0	0	0	0	0	0	0	118
17:00	1	100	7	0	4	0	0	1	0	0	0	0	0	113
18:00	0	93	10	0	4	0	0	0	0	0	0	0	0	107
19:00	0	54	7	0	1	0	0	0	0	0	0	0	0	62
20:00	1	65	8	0	1	0	0	0	0	0	0	0	0	75
21:00	0	44	7	0	0	0	0	0	0	0	0	0	0	51
22:00	0	24	10	0	0	0	0	0	0	0	0	0	0	34
23:00	0	24	4	0	0	0	0	0	0	0	0	0	0	28
Total	13	1560	202	2	25	0	0	5	0	0	0	0	0	1807
Percent	0.7%	86.3%	11.2%	0.1%	1.4%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	11:00	11:00	10:00	07:00			07:00						11:00
PM Peak Vol.	4	156	24	1	3			1						182
PM Peak Vol.	12:00	12:00	13:00	15:00	17:00			15:00						12:00
PM Peak Vol.	4	166	30	1	4			1						183



Pantry Road  
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Email: datarequests@pdillc.com

165313 F Class  
Site Code: TBA

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	7	0	1	0	0	0	0	0	0	0	0	8
01:00	0	0	1	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
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	3	0	0	1	0	0	0	0	0	0	0	4
05:00	0	0	8	1	0	0	0	0	0	0	0	0	0	9
06:00	1	31	7	0	1	1	0	0	0	0	0	0	0	41
07:00	2	70	21	0	2	0	0	1	0	0	0	0	0	96
08:00	0	138	18	2	6	0	0	1	1	0	0	0	0	166
09:00	3	122	17	1	7	1	1	0	0	0	0	0	0	152
10:00	0	96	15	0	6	3	0	1	0	0	0	0	0	121
11:00	0	100	22	1	2	1	0	2	0	0	0	0	0	128
12 PM	1	98	11	1	4	3	0	0	0	0	0	0	0	118
13:00	1	110	24	0	3	2	0	0	1	0	0	0	0	141
14:00	2	106	22	1	4	1	0	1	0	0	0	0	0	137
15:00	1	141	26	0	2	1	0	0	0	0	0	0	0	171
16:00	0	130	24	0	0	0	0	1	0	0	0	0	0	155
17:00	2	160	22	0	7	2	0	0	0	0	0	0	0	193
18:00	0	126	14	0	2	0	0	0	0	0	0	0	0	142
19:00	0	75	11	0	0	0	0	0	0	0	0	0	0	86
20:00	0	59	10	0	2	0	0	0	0	0	0	0	0	71
21:00	0	28	6	0	1	0	0	0	0	0	0	0	0	35
22:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
23:00	0	12	0	1	0	0	0	0	0	0	0	0	0	13
Total	13	1634	273	8	50	15	1	7	2	0	0	0	0	2003
Percent	0.6%	81.6%	13.6%	0.4%	2.5%	0.7%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	09:00	08:00	11:00	08:00	09:00	10:00	09:00	11:00	08:00					08:00
	3	138	22	2	7	3	1	2	1					166
PM Peak Vol.	14:00	17:00	15:00	12:00	17:00	12:00		14:00	13:00					17:00
	2	160	26	1	7	3		1	1					193



Pantry Road  
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165313 F Class  
Site Code: TBA

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
<b>10/13/1</b>														
6	0	2	2	0	0	0	0	0	0	0	0	0	0	4
01:00	0	1	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
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	1	3	0	0	0	1	0	0	0	0	0	0	0	5
05:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
06:00	1	41	10	1	1	0	0	0	0	0	0	0	0	54
07:00	1	114	24	1	7	2	0	2	0	0	0	0	0	151
08:00	3	158	27	0	4	2	0	2	0	0	0	0	0	196
09:00	1	121	19	1	3	0	0	0	0	0	0	0	0	145
10:00	0	85	18	1	4	1	0	0	0	0	0	0	0	109
11:00	0	89	19	0	5	1	0	0	0	0	0	0	0	114
12 PM	1	101	26	0	4	0	0	1	0	0	0	0	0	133
13:00	1	102	21	1	1	0	0	1	0	0	0	0	0	127
14:00	0	112	28	4	5	2	0	0	0	0	0	0	0	151
15:00	1	143	34	2	4	0	0	0	1	0	0	0	0	185
16:00	1	167	24	1	4	0	0	0	0	0	0	0	0	197
17:00	3	162	21	1	3	1	0	1	0	0	0	0	0	192
18:00	1	113	20	0	0	1	0	0	0	0	0	0	0	135
19:00	0	82	10	0	1	2	0	0	0	0	0	0	0	95
20:00	0	52	7	0	1	0	0	0	0	0	0	0	0	60
21:00	1	16	2	0	0	0	0	0	0	0	0	0	0	19
22:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19
23:00	0	13	0	0	1	0	0	0	0	0	0	0	0	14
Total	16	1705	316	13	48	13	0	7	1	0	0	0	0	2119
Percent	0.8%	80.5%	14.9%	0.6%	2.3%	0.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	08:00	08:00	06:00	07:00	07:00		07:00						08:00
PM Peak Vol.	3	158	27	1	7	2		2						196
PM Peak Vol.	17:00	16:00	15:00	14:00	14:00	14:00		12:00	15:00					16:00
	3	167	34	4	5	2		1	1					197



Pantry Road  
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NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
01:00	0	0	1	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
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
05:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15
06:00	0	36	9	1	1	0	1	0	0	0	0	0	0	48
07:00	2	110	26	1	4	2	0	0	0	0	0	0	0	145
08:00	1	163	18	0	5	0	0	0	0	0	0	0	0	187
09:00	2	108	12	0	4	0	1	1	0	0	0	0	0	128
10:00	2	92	23	1	3	0	0	0	0	0	0	0	0	121
11:00	1	106	22	0	5	2	1	0	0	0	0	0	0	137
12 PM	0	96	23	0	1	0	0	0	0	0	0	0	0	120
13:00	1	98	20	0	7	0	0	0	1	0	0	0	0	127
14:00	4	140	15	5	2	0	0	0	1	0	0	0	0	167
15:00	1	154	39	3	0	0	1	1	0	0	0	0	0	200
16:00	1	174	34	0	3	1	0	0	0	0	0	0	0	213
17:00	3	170	31	3	5	0	0	1	0	0	0	0	0	213
18:00	1	145	22	0	1	1	0	0	0	0	0	0	0	170
19:00	0	78	14	0	0	0	0	0	0	0	0	0	0	92
20:00	0	50	2	0	0	0	0	0	0	0	0	0	0	52
21:00	0	42	6	0	2	0	0	0	0	0	0	0	0	50
22:00	0	35	2	0	0	0	0	0	0	0	0	0	0	37
23:00	0	33	4	1	0	0	0	0	0	0	0	0	0	38
Total	19	1849	326	16	43	6	4	3	3	0	0	0	0	2269
Percent	0.8%	81.5%	14.4%	0.7%	1.9%	0.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	07:00	08:00	07:00	00:00	08:00	07:00	06:00	09:00						08:00
PM Peak Vol.	2	163	26	1	5	2	1	1						187
PM Peak Vol.	14:00	16:00	15:00	14:00	13:00	16:00	15:00	15:00	13:00					16:00
PM Peak Vol.	4	174	39	5	7	1	1	1	1					213



Pantry Road  
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NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	6	0	5	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	4	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	1	1	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	15	3	0	1	0	0	0	0	0	0	0	0	19
07:00	0	0	52	12	0	2	0	0	0	0	0	0	0	66
08:00	0	0	68	11	0	2	0	0	1	0	0	0	0	82
09:00	0	0	98	15	0	4	0	0	0	0	0	0	0	117
10:00	5	115	15	0	2	0	0	0	0	0	0	0	0	137
11:00	0	0	96	13	0	1	0	0	0	0	0	0	0	110
12 PM	0	0	110	17	0	2	0	0	0	0	0	0	0	129
13:00	1	114	14	0	0	0	0	0	0	0	0	0	0	129
14:00	4	102	9	0	1	0	0	1	0	0	0	0	0	117
15:00	4	145	23	0	2	0	0	1	0	0	0	0	0	175
16:00	1	119	12	0	1	0	0	0	0	0	0	0	0	133
17:00	2	86	16	0	2	0	0	0	0	0	0	0	0	106
18:00	0	0	67	11	0	2	0	0	0	0	0	0	0	80
19:00	0	0	58	4	0	1	0	0	0	0	0	0	0	63
20:00	0	0	30	2	0	0	0	0	0	0	0	0	0	32
21:00	1	0	31	1	0	0	0	0	0	0	0	0	0	33
22:00	0	0	33	3	0	0	0	0	0	0	0	0	0	36
23:00	0	0	21	3	0	0	0	0	0	0	0	0	0	24
Total	19	1373	186	0	23	0	0	3	0	0	0	0	0	1604
Percent	1.2%	85.6%	11.6%	0.0%	1.4%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	10:00	09:00		09:00			08:00						10:00
PM Peak Vol.	5	115	15		4			1						137
PM Peak Vol.	14:00	15:00	15:00		12:00			14:00						15:00
	4	145	23		2			1						175



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 F Speed  
Site Code: TBA

SB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																	
16:00	0	0	0	0	3	1	1	0	0	0	0	0	0	0	5	40	35
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	38	37
03:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	43	42
04:00	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4	41	37
05:00	0	1	2	1	1	12	2	1	0	0	0	0	0	0	20	39	35
06:00	1	0	0	3	15	34	11	1	0	0	0	0	0	0	65	40	36
07:00	1	0	0	2	39	84	23	1	0	0	0	0	0	0	150	39	36
08:00	0	1	1	3	33	<b>117</b>	<b>31</b>	0	0	0	0	0	0	0	<b>186</b>	39	37
09:00	1	0	0	1	41	62	24	<b>2</b>	0	0	0	0	0	0	131	40	36
10:00	0	0	1	<b>5</b>	35	68	16	2	0	0	0	0	0	0	127	38	36
11:00	0	0	0	3	<b>53</b>	68	16	1	0	0	0	0	0	0	141	38	36
12 PM	2	<b>2</b>	0	2	38	78	25	2	0	1	0	0	0	0	150	40	36
13:00	0	0	0	4	29	84	19	2	0	0	0	0	0	0	138	39	36
14:00	1	0	0	4	<b>51</b>	81	27	<b>4</b>	0	0	0	0	0	0	168	40	36
15:00	<b>3</b>	2	0	<b>8</b>	45	98	20	2	0	0	0	0	0	0	178	38	35
16:00	1	0	1	2	40	99	<b>40</b>	1	0	0	0	0	0	0	<b>184</b>	40	37
17:00	0	1	0	3	34	<b>111</b>	30	0	0	0	0	0	0	0	179	39	37
18:00	2	0	<b>3</b>	2	38	77	16	3	<b>1</b>	0	0	0	0	0	142	38	36
19:00	0	0	0	1	24	49	5	2	0	0	0	0	0	0	81	38	36
20:00	0	0	0	0	19	37	14	3	0	0	0	0	0	0	73	41	37
21:00	0	0	0	0	14	26	8	0	1	0	0	0	0	0	49	40	37
22:00	0	0	0	0	4	11	8	2	1	0	0	0	0	0	26	43	39
23:00	0	0	0	0	2	4	0	0	0	0	0	0	0	0	6	37	35
Total %	12.0.5%	70.3%	80.4%	442.0%	55925.3%	120454.6%	33915.4%	291.3%	30.1%	10.0%	0.0%	0.0%	0.0%	0.0%	022060.0%		
AM Peak Vol.	06:00	05:00	05:00	10:00	11:00	08:00	08:00	09:00								08:00	
PM Peak Vol.	15:00	12:00	18:00	15:00	14:00	17:00	16:00	14:00	18:00	12:00						16:00	
	3	2	3	8	51	111	40	4	1	1						184	

Stats                    15th Percentile : 31 MPH  
                       50th Percentile : 35 MPH  
                       85th Percentile : 39 MPH  
                       95th Percentile : 42 MPH

Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1763  
 Percent in Pace : 79.9%  
 Number of Vehicles > 30 MPH : 2023  
 Percent of Vehicles > 30 MPH : 91.7%



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 F Speed  
Site Code: TBA

SB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	5	40	37
01:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	41	39
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	43	42
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	43	42
04:00	0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	0	6	54	42
05:00	0	0	0	0	1	9	5	0	0	0	0	0	0	0	0	0	15	41	38
06:00	0	1	2	5	23	44	11	1	0	0	0	0	0	0	0	0	87	38	35
07:00	0	1	7	7	60	102	27	0	0	0	0	0	0	0	0	0	204	38	35
08:00	2	0	0	1	52	128	30	6	0	0	0	0	0	0	0	0	219	39	36
09:00	0	0	0	1	53	87	14	0	0	0	0	0	0	0	0	0	155	38	36
10:00	0	0	3	14	49	32	17	1	0	0	0	0	0	0	0	0	116	39	34
11:00	0	0	4	10	45	65	16	0	0	0	0	0	0	0	0	0	140	38	35
12 PM	1	0	0	5	34	78	19	4	0	0	0	0	0	0	0	0	141	39	36
13:00	0	1	1	2	40	78	19	3	0	0	0	0	0	0	0	0	144	39	36
14:00	0	1	1	4	62	80	18	4	0	0	0	0	0	0	0	0	170	38	35
15:00	1	1	5	13	50	123	38	0	0	0	0	0	0	0	0	0	231	39	36
16:00	0	0	2	5	41	123	22	2	0	0	0	0	0	0	0	0	195	38	36
17:00	0	0	1	9	55	148	45	3	0	0	0	0	0	0	0	0	261	39	37
18:00	1	1	2	2	65	101	18	1	0	0	0	0	0	0	0	0	191	38	35
19:00	0	0	0	2	16	48	8	1	0	0	0	0	0	0	0	0	75	38	36
20:00	0	0	0	2	17	26	7	0	0	0	0	0	0	0	0	0	52	38	36
21:00	0	0	0	3	15	26	9	2	0	0	0	0	0	0	0	0	55	40	36
22:00	0	0	0	0	7	9	7	2	0	0	0	0	0	0	0	0	25	42	38
23:00	0	0	1	0	2	5	3	1	0	0	0	0	0	0	0	0	12	42	37
Total	5	6	29	85	688	1320	339	31	0	1	0	0	0	0	0	0	2504		
%	0.2%	0.2%	1.2%	3.4%	27.5%	52.7%	13.5%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	06:00	07:00	10:00	07:00	08:00	08:00	08:00									08:00		
PM Peak Vol.	2	1	7	14	60	128	30	6								1	219		

Stats	15th Percentile :	30 MPH
	50th Percentile :	35 MPH
	85th Percentile :	38 MPH
	95th Percentile :	42 MPH
	Mean Speed(Average) :	36 MPH
	10 MPH Pace Speed :	30-39 MPH
	Number in Pace :	2008
	Percent in Pace :	80.2%
	Number of Vehicles > 30 MPH :	2241
	Percent of Vehicles > 30 MPH :	89.5%



Pantry Road  
north of Haynes Road  
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165313 F Speed  
Site Code: TBA

SB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																		
16:00	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	5	40	38
01:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	38	37
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	2	0	0	0	0	0	0	0	0	2	38	37
04:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	4	41	38
05:00	0	1	0	0	3	12	3	0	0	0	0	0	0	0	0	19	39	36
06:00	0	0	0	2	23	33	11	2	0	0	0	0	0	0	0	71	40	36
07:00	0	0	1	0	57	108	26	0	0	0	0	0	0	0	0	192	38	36
08:00	2	0	3	2	57	126	24	1	1	0	0	0	0	0	0	216	38	36
09:00	0	0	0	9	40	70	17	1	0	0	0	0	0	0	0	137	38	36
10:00	0	0	1	7	26	63	12	0	0	0	0	0	0	0	0	109	38	36
11:00	2	1	1	1	43	67	12	1	0	0	0	0	0	0	0	128	38	35
12 PM	0	0	0	4	57	76	12	1	0	0	0	0	0	0	0	150	38	35
13:00	0	0	1	6	40	67	20	1	0	0	0	0	0	0	0	135	39	36
14:00	0	0	2	2	52	104	45	3	0	0	0	0	0	0	0	208	40	37
15:00	1	0	1	5	50	113	42	1	1	0	0	0	0	0	0	214	40	36
16:00	0	0	0	0	37	112	36	1	0	0	0	0	0	0	0	186	40	37
17:00	2	1	2	7	42	148	41	0	0	0	0	0	0	0	0	243	39	36
18:00	0	0	0	2	46	105	30	3	1	0	0	0	0	0	0	187	39	37
19:00	0	0	0	0	40	45	12	1	1	0	0	0	0	0	0	99	38	36
20:00	0	0	0	0	27	46	14	1	1	0	0	0	0	0	0	89	39	37
21:00	0	0	1	1	32	37	12	1	0	1	0	0	0	0	0	85	39	36
22:00	0	0	0	0	19	24	14	2	1	0	0	0	0	0	0	60	41	37
23:00	0	0	0	1	5	11	2	0	1	0	0	0	0	0	0	20	39	36
Total %	7 0.3%	3 0.1%	13 0.5%	49 1.9%	696 27.2%	1378 53.8%	387 15.1%	20 0.8%	7 0.3%	1 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2561		
AM Peak Vol.	08:00	05:00	08:00	09:00	07:00	08:00	07:00	06:00	08:00							08:00		
PM Peak Vol.	2	1	3	9	57	126	26	2	1							216		

Stats                    15th Percentile : 31 MPH  
                       50th Percentile : 35 MPH  
                       85th Percentile : 39 MPH  
                       95th Percentile : 42 MPH  
  
                       Mean Speed(Average) : 36 MPH  
                       10 MPH Pace Speed : 30-39 MPH  
                       Number in Pace : 2074  
                       Percent in Pace : 81.0%  
                       Number of Vehicles > 30 MPH : 2350  
                       Percent of Vehicles > 30 MPH : 91.8%



Pantry Road  
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165313 F Speed  
Site Code: TBA

SB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																	
16	0	0	0	0	2	3	1	1	0	0	0	0	0	0	7	43	38
01:00	0	0	0	0	2	3	0	1	0	0	0	0	0	0	6	44	37
02:00	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	*	*	*
04:00	0	0	0	0	0	1	0	2	0	0	0	0	0	0	3	47	44
05:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	33	32
06:00	0	0	0	1	4	10	3	0	0	0	0	0	0	0	18	39	36
07:00	1	0	0	3	22	35	6	0	0	0	0	0	0	0	67	38	35
08:00	0	0	0	4	19	34	16	0	0	0	0	0	0	0	73	40	36
09:00	0	1	0	4	25	43	15	3	0	0	0	0	0	0	91	40	36
10:00	1	0	2	3	33	68	21	4	0	0	0	0	0	0	132	40	36
11:00	0	0	0	2	56	91	32	1	0	0	0	0	0	0	182	39	36
12 PM	1	1	4	1	35	98	37	6	0	0	0	0	0	0	183	41	37
13:00	0	0	0	1	30	97	37	2	1	1	0	0	0	0	169	41	37
14:00	0	0	0	4	32	74	28	3	0	0	0	0	0	0	141	40	37
15:00	0	2	0	4	42	81	15	0	0	0	0	0	0	0	144	38	36
16:00	0	0	0	7	27	61	19	4	0	0	0	0	0	0	118	40	36
17:00	1	1	0	4	23	54	25	4	1	0	0	0	0	0	113	41	37
18:00	1	0	1	3	31	58	12	1	0	0	0	0	0	0	107	38	36
19:00	0	0	0	0	21	37	4	0	0	0	0	0	0	0	62	38	36
20:00	0	0	2	0	21	39	6	5	1	0	0	1	0	0	75	40	37
21:00	0	0	0	0	13	29	6	3	0	0	0	0	0	0	51	40	37
22:00	0	0	0	0	8	22	3	1	0	0	0	0	0	0	34	38	37
23:00	0	0	0	0	6	18	3	0	1	0	0	0	0	0	28	38	37
Total	5	5	9	41	455	956	289	41	4	1	1	0	0	0	1807		
%	0.3%	0.3%	0.5%	2.3%	25.2%	52.9%	16.0%	2.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	09:00	10:00	08:00	11:00	11:00	11:00	10:00								11:00	
PM Peak Vol.	1	1	2	4	56	91	32	4								182	
	12:00	15:00	12:00	16:00	15:00	12:00	12:00	12:00	13:00	13:00	20:00					12:00	
	1	2	4	7	42	98	37	6	1	1	1					183	

Stats                    15th Percentile : 31 MPH  
                       50th Percentile : 36 MPH  
                       85th Percentile : 40 MPH  
                       95th Percentile : 43 MPH  
  
                       Mean Speed(Average) : 36 MPH  
                       10 MPH Pace Speed : 30-39 MPH  
                       Number in Pace : 1411  
                       Percent in Pace : 78.1%  
                       Number of Vehicles > 30 MPH : 1656  
                       Percent of Vehicles > 30 MPH : 91.6%



Pantry Road  
north of Haynes Road  
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Email: datarequests@pdilc.com

165313 F Speed  
Site Code: TBA

NB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																		
16:00	0	0	0	0	2	3	1	<b>2</b>	0	0	0	0	0	0	0	8	46	39
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	48	47	
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	1	0	1	1	1	0	0	0	0	0	0	0	4	46	38
05:00	0	0	0	1	0	6	2	0	0	0	0	0	0	0	0	9	40	37
06:00	0	0	0	3	9	22	7	0	0	0	0	0	0	0	0	41	39	36
07:00	0	0	1	<b>10</b>	32	41	12	0	0	0	0	0	0	0	0	96	38	35
08:00	0	0	0	3	<b>63</b>	<b>77</b>	<b>22</b>	1	0	0	0	0	0	0	0	<b>166</b>	38	36
09:00	<b>2</b>	0	0	6	46	74	22	2	0	0	0	0	0	0	0	152	39	36
10:00	0	0	1	1	39	68	11	1	0	0	0	0	0	0	0	121	38	36
11:00	0	0	0	2	54	56	14	2	0	0	0	0	0	0	0	128	38	35
12 PM	0	2	<b>1</b>	5	40	49	20	1	0	0	0	0	0	0	0	118	39	35
13:00	0	0	0	8	44	61	<b>26</b>	<b>2</b>	0	0	0	0	0	0	0	141	40	36
14:00	0	<b>3</b>	0	5	43	73	13	0	0	0	0	0	0	0	0	137	38	35
15:00	0	0	0	8	58	79	24	1	<b>1</b>	0	0	0	0	0	0	171	39	36
16:00	0	0	0	4	53	77	19	2	0	0	0	0	0	0	0	155	38	36
17:00	<b>2</b>	0	1	<b>10</b>	<b>70</b>	<b>84</b>	24	2	0	0	0	0	0	0	0	<b>193</b>	38	35
18:00	0	0	0	3	55	69	14	1	0	0	0	0	0	0	0	142	38	35
19:00	0	0	1	2	29	42	11	1	0	0	0	0	0	0	0	86	38	36
20:00	2	0	1	8	22	28	8	2	0	0	0	0	0	0	0	71	38	34
21:00	0	0	0	0	12	14	8	1	0	0	0	0	0	0	0	35	41	37
22:00	0	0	0	0	8	5	2	0	0	0	0	0	0	0	0	15	38	35
23:00	0	0	0	1	3	5	3	1	0	0	0	0	0	0	0	13	42	37
Total	6	5	6	81	682	934	264	24	1	0	0	0	0	0	0	2003		
%	0.3%	0.2%	0.3%	4.0%	34.0%	46.6%	13.2%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
AM Peak Vol.	09:00			07:00	07:00	08:00	08:00	08:00	00:00							08:00		
PM Peak Vol.	2			1	10	63	77	22	2							166		
	17:00	14:00	12:00	17:00	17:00	17:00	13:00	13:00	15:00							17:00		
	2	3	1	10	70	84	26	2	1							193		

Stats

15th Percentile :	30 MPH
50th Percentile :	35 MPH
85th Percentile :	38 MPH
95th Percentile :	42 MPH
Mean Speed(Average) :	35 MPH
10 MPH Pace Speed :	30-39 MPH
Number in Pace :	1616
Percent in Pace :	80.7%
Number of Vehicles > 30 MPH :	1769
Percent of Vehicles > 30 MPH :	88.3%



Pantry Road  
north of Haynes Road  
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165313 F Speed  
Site Code: TBA

NB

Start Time	14	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																
16:00	0	0	0	0	0	2	1	1	0	0	0	0	0	4	46	41
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	37
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2	33	32
04:00	0	0	0	3	0	0	2	0	0	0	0	0	0	5	42	33
05:00	0	0	0	0	2	5	4	0	0	0	0	0	0	11	41	38
06:00	0	0	0	3	13	30	8	0	0	0	0	0	0	54	38	36
07:00	0	0	<b>5</b>	15	45	68	17	1	0	0	0	0	0	151	38	35
08:00	0	0	0	7	<b>55</b>	<b>100</b>	<b>30</b>	<b>4</b>	0	0	0	0	0	<b>196</b>	39	36
09:00	0	0	0	13	38	70	22	2	0	0	0	0	0	145	39	36
10:00	0	<b>1</b>	2	<b>21</b>	53	25	7	0	0	0	0	0	0	109	37	33
11:00	<b>1</b>	1	1	5	39	52	14	0	<b>1</b>	0	0	0	0	114	38	35
12 PM	0	0	1	1	45	66	16	<b>4</b>	0	0	0	0	0	133	39	36
13:00	0	<b>1</b>	0	6	42	60	16	2	0	0	0	0	0	127	38	36
14:00	0	0	0	12	60	61	16	2	0	0	0	0	0	151	38	35
15:00	0	1	2	<b>30</b>	64	65	<b>22</b>	1	0	0	0	0	0	185	38	34
16:00	<b>1</b>	0	0	14	67	<b>90</b>	21	4	0	0	0	0	0	<b>197</b>	38	35
17:00	0	1	<b>3</b>	5	<b>72</b>	88	20	3	0	0	0	0	0	192	38	35
18:00	0	0	1	2	48	69	15	0	0	0	0	0	0	135	38	36
19:00	0	0	1	6	31	47	9	1	0	0	0	0	0	95	38	35
20:00	0	0	1	7	26	18	7	1	0	0	0	0	0	60	38	34
21:00	0	0	0	0	5	13	1	0	0	0	0	0	0	19	38	36
22:00	0	0	0	1	5	10	1	1	<b>1</b>	0	0	0	0	19	39	37
23:00	0	0	1	0	2	7	3	1	0	0	0	0	0	14	42	37
Total %	2.0.1%	5.0.2%	18.0.8%	151.7.1%	714.33.7%	947.44.7%	252.11.9%	28.1.3%	2.0.1%	0.0.0%	0.0.0%	0.0.0%	0.0.0%	0.0.0%	2119	
AM Peak Vol.	11:00	10:00	07:00	10:00	08:00	08:00	08:00	08:00	11:00						08:00	
PM Peak Vol.	16:00	13:00	17:00	15:00	17:00	16:00	15:00	12:00	22:00						16:00	
	1	1	3	30	72	90	22	4	1						197	

Stats

15th Percentile : 29 MPH  
50th Percentile : 34 MPH  
85th Percentile : 38 MPH  
95th Percentile : 42 MPH

Mean Speed(Average) : 35 MPH  
10 MPH Pace Speed : 30-39 MPH  
Number in Pace : 1661  
Percent in Pace : 78.4%  
Number of Vehicles > 30 MPH : 1800  
Percent of Vehicles > 30 MPH : 85.0%



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 F Speed  
Site Code: TBA

NB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																	
16	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	42	40
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	38	37
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*
03:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2	42	40
04:00	0	0	0	2	0	0	0	1	1	0	0	0	0	0	4	46	36
05:00	0	0	0	1	5	7	2	0	0	0	0	0	0	0	15	38	35
06:00	0	0	0	5	21	17	4	1	0	0	0	0	0	0	48	38	34
07:00	0	0	<b>3</b>	<b>13</b>	51	51	<b>26</b>	1	0	0	0	0	0	0	145	40	35
08:00	0	0	1	8	<b>56</b>	<b>96</b>	25	1	0	0	0	0	0	0	<b>187</b>	38	36
09:00	<b>1</b>	1	0	11	45	47	22	1	0	0	0	0	0	0	128	39	35
10:00	0	<b>6</b>	0	2	39	53	18	<b>3</b>	0	0	0	0	0	0	121	39	35
11:00	0	1	0	9	43	68	15	1	0	0	0	0	0	0	137	38	35
12 PM	0	0	1	3	28	58	27	3	0	0	0	0	0	0	120	41	37
13:00	0	0	0	7	33	76	10	0	<b>1</b>	0	0	0	0	0	127	38	36
14:00	<b>2</b>	0	0	10	57	84	13	1	0	0	0	0	0	0	167	38	35
15:00	1	<b>2</b>	<b>4</b>	<b>20</b>	50	93	29	1	0	0	0	0	0	0	200	39	35
16:00	0	0	0	6	72	101	<b>30</b>	<b>4</b>	0	0	0	0	0	0	<b>213</b>	39	36
17:00	0	0	1	9	<b>74</b>	<b>104</b>	25	0	0	0	0	0	0	0	213	38	35
18:00	0	0	0	11	45	89	23	2	0	0	0	0	0	0	170	38	36
19:00	0	0	0	5	34	38	13	2	0	0	0	0	0	0	92	39	36
20:00	0	0	0	3	18	25	5	1	0	0	0	0	0	0	52	38	35
21:00	0	1	0	2	15	26	6	0	0	0	0	0	0	0	50	38	35
22:00	0	0	1	1	10	17	7	1	0	0	0	0	0	0	37	40	36
23:00	0	0	0	2	17	13	6	0	0	0	0	0	0	0	38	39	35
Total %	4 0.2%	11 0.5%	11 0.5%	130 5.7%	713 31.4%	1066 47.0%	309 13.6%	24 1.1%	1 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2269	
AM Peak Vol.	09:00	10:00	07:00	07:00	08:00	08:00	07:00	10:00								08:00	
PM Peak Vol.	1	6	3	13	56	96	26	3								187	
	14:00	15:00	15:00	15:00	17:00	17:00	16:00	16:00	13:00							16:00	
	2	2	4	20	74	104	30	4	1							213	

Stats                    15th Percentile : 30 MPH  
                       50th Percentile : 35 MPH  
                       85th Percentile : 38 MPH  
                       95th Percentile : 42 MPH  
  
                       Mean Speed(Average) : 35 MPH  
                       10 MPH Pace Speed : 30-39 MPH  
                       Number in Pace : 1779  
                       Percent in Pace : 78.4%  
                       Number of Vehicles > 30 MPH : 1970  
                       Percent of Vehicles > 30 MPH : 86.8%



Pantry Road  
north of Haynes Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 F Speed  
Site Code: TBA

NB

Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																		
16:00	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	5	40	38
01:00	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	4	42	37
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	37	35
03:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	53	52
04:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	48	47
05:00	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	3	37	32
06:00	0	0	1	1	2	12	3	0	0	0	0	0	0	0	0	19	39	36
07:00	0	0	0	4	22	30	8	2	0	0	0	0	0	0	0	66	39	36
08:00	0	0	0	7	23	40	10	2	0	0	0	0	0	0	0	82	38	36
09:00	0	0	0	6	26	60	19	6	0	0	0	0	0	0	0	117	40	37
10:00	0	3	1	6	39	61	24	3	0	0	0	0	0	0	0	137	40	36
11:00	0	0	0	0	31	54	24	0	1	0	0	0	0	0	0	110	40	37
12 PM	0	0	1	5	35	61	24	3	0	0	0	0	0	0	0	129	40	36
13:00	0	0	0	1	34	64	27	3	0	0	0	0	0	0	0	129	40	37
14:00	1	1	1	11	35	47	20	1	0	0	0	0	0	0	0	117	39	35
15:00	0	3	0	3	47	83	37	1	1	0	0	0	0	0	0	175	40	36
16:00	0	1	1	3	27	74	25	2	0	0	0	0	0	0	0	133	40	37
17:00	0	0	1	3	32	53	14	3	0	0	0	0	0	0	0	106	39	36
18:00	0	0	1	7	22	37	10	3	0	0	0	0	0	0	0	80	39	36
19:00	0	0	1	1	23	25	12	1	0	0	0	0	0	0	0	63	40	36
20:00	0	0	0	2	12	12	4	2	0	0	0	0	0	0	0	32	40	36
21:00	0	0	0	3	17	12	1	0	0	0	0	0	0	0	0	33	37	34
22:00	0	0	0	1	15	13	7	0	0	0	0	0	0	0	0	36	40	36
23:00	0	0	0	0	10	10	4	0	0	0	0	0	0	0	0	24	39	36
Total %	1	8	9	64	455	755	276	33	3	0	0	0	0	0	0	1604		
AM Peak Vol.		10:00	05:00	08:00	10:00	10:00	10:00	09:00	03:00							10:00		
PM Peak Vol.	14:00	15:00	12:00	14:00	15:00	15:00	15:00	12:00	15:00							15:00		
Stats																		

15th Percentile : 30 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH

Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1210  
 Percent in Pace : 75.4%  
 Number of Vehicles > 30 MPH : 1431  
 Percent of Vehicles > 30 MPH : 89.2%



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 G Volume  
Site Code: TBA

Start Time	12-Oct-16		13-Oct-16		14-Oct-16		15-Oct-16		16-Oct-16		17-Oct-16		18-Oct-16		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	10	21	3	23	3	36	12	38	*	*	*	*	*	*	7	30
01:00	5	13	2	12	1	16	5	18	*	*	*	*	*	*	3	15
02:00	6	4	7	2	6	4	3	13	*	*	*	*	*	*	6	6
03:00	14	4	11	3	11	3	3	6	*	*	*	*	*	*	10	4
04:00	43	6	41	4	34	8	7	2	*	*	*	*	*	*	31	5
05:00	229	26	227	20	179	23	50	8	*	*	*	*	*	*	171	19
06:00	974	73	985	81	880	81	102	29	*	*	*	*	*	*	735	66
07:00	830	161	886	168	835	175	161	88	*	*	*	*	*	*	678	148
08:00	762	221	808	239	813	241	228	109	*	*	*	*	*	*	653	202
09:00	530	175	557	211	463	187	273	218	*	*	*	*	*	*	456	198
10:00	302	209	309	177	273	170	247	258	*	*	*	*	*	*	283	204
11:00	287	248	231	221	266	219	312	289	*	*	*	*	*	*	274	244
12:00 PM	259	321	258	259	281	273	362	429	*	*	*	*	*	*	290	320
01:00	250	284	242	305	256	301	372	488	*	*	*	*	*	*	280	344
02:00	266	400	243	390	229	431	374	401	*	*	*	*	*	*	278	406
03:00	286	686	273	720	268	773	391	471	*	*	*	*	*	*	304	662
04:00	279	883	263	890	223	953	351	404	*	*	*	*	*	*	279	782
05:00	236	914	218	857	237	913	386	285	*	*	*	*	*	*	269	742
06:00	171	784	157	774	177	717	287	230	*	*	*	*	*	*	198	626
07:00	86	354	86	417	123	347	124	143	*	*	*	*	*	*	105	315
08:00	65	219	59	221	82	163	72	141	*	*	*	*	*	*	70	186
09:00	61	165	59	177	62	138	72	114	*	*	*	*	*	*	64	148
10:00	28	63	33	82	53	102	61	107	*	*	*	*	*	*	44	88
11:00	12	42	13	58	29	66	35	64	*	*	*	*	*	*	22	58
Total Day	5991	6276	5971	6311	5784	6340	4290	8643	0	0	0	0	0	0	5510	5818
AM Peak Vol.	06:00	11:00	06:00	08:00	06:00	08:00	11:00	11:00	-	-	-	-	-	-	06:00	11:00
PM Peak Vol.	15:00	17:00	15:00	16:00	12:00	16:00	15:00	13:00	-	-	-	-	-	-	15:00	16:00

Comb. Total	12267	12282	12124	8643	0	0	0	11328
ADT	ADT 11,329	AADT 11,329						



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 G Volume  
Site Code: TBA

Start	EB			WB			Combined		12-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Wed
12:00	3		63	6		82	9	145	
12:15	5		65	7		90	12	155	
12:30	1		80	5		69	6	149	
12:45	1	10	51	259	3	21	80	321	4 31 131 580
01:00	2		68	3		74	5	142	
01:15	1		64	2		77	3	141	
01:30	2		56	7		61	9	117	
01:45	0	5	62	250	1	13	72	284	1 18 134 534
02:00	3		72	1		81	4	153	
02:15	2		49	1		107	3	156	
02:30	0		87	1		102	1	189	
02:45	1	6	58	266	1	4	110	400	2 10 168 666
03:00	0		71	0		140	0	211	
03:15	2		61	2		128	4	189	
03:30	5		72	1		188	6	260	
03:45	7	14	82	286	1	4	230	686	8 18 312 972
04:00	4		55	0		196	4	251	
04:15	9		74	1		208	10	282	
04:30	15		83	1		234	16	317	
04:45	15	43	67	279	4	6	245	883	19 49 312 1162
05:00	24		56	4		241	28	297	
05:15	54		67	5		223	59	290	
05:30	63		52	8		225	71	277	
05:45	88	229	61	236	9	26	225	914	97 255 286 1150
06:00	172		45	5		224	177	269	
06:15	255		45	18		233	273	278	
06:30	281		45	16		190	297	235	
06:45	266	974	36	171	34	73	137	784	300 1047 173 955
07:00	227		32	30		113	257	145	
07:15	222		20	40		99	262	119	
07:30	202		18	44		76	246	94	
07:45	179	830	16	86	47	161	66	354	226 991 82 440
08:00	194		13	53		63	247	76	
08:15	212		22	51		58	263	80	
08:30	195		7	61		63	256	70	
08:45	161	762	23	65	56	221	35	219	217 983 58 284
09:00	143		20	42		36	185	56	
09:15	157		20	52		43	209	63	
09:30	131		9	46		42	177	51	
09:45	99	530	12	61	35	175	44	165	134 705 56 226
10:00	76		9	60		24	136	33	
10:15	74		5	49		13	123	18	
10:30	74		8	57		16	131	24	
10:45	78	302	6	28	43	209	10	63	121 511 16 91
11:00	79		3	55		14	134	17	
11:15	76		5	53		11	129	16	
11:30	70		2	70		10	140	12	
11:45	62	287	2	12	70	248	7	42	132 535 9 54
Total	3992		1999	1161		5115	5153	7114	
Percent	77.5%		28.1%	22.5%		71.9%			
Day Total	5991			6276			12267		
Peak Vol.	06:15	-	03:45	-	11:00	-	04:30	-	04:30
	1029	-	294	-	248	-	943	-	1216
P.H.F.	0.915		0.886		0.886		0.962		0.959



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 G Volume  
Site Code: TBA

Start	EB			WB			Combined		13-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Thu
12:00	1		70	7		72	8	142	
12:15	2		68	5		64	7	132	
12:30	0		67	6		63	6	130	
12:45	0	3	53	258	5	23	60	259	517
01:00	1		53	4		74	5	127	
01:15	1		67	3		70	4	137	
01:30	0		62	2		74	2	136	
01:45	0	2	60	242	3	12	87	305	547
02:00	2		50	1		73	3	123	
02:15	0		57	0		89	0	146	
02:30	3		62	0		93	3	155	
02:45	2	7	74	243	1	2	135	390	209
03:00	1		71	1		154	2	225	
03:15	2		65	0		163	2	228	
03:30	2		61	2		173	4	234	
03:45	6	11	76	273	0	3	230	720	306
04:00	4		56	1		216	5	272	
04:15	7		72	0		238	7	310	
04:30	14		68	0		215	14	283	
04:45	16	41	67	263	3	4	221	890	1153
05:00	18		54	1		212	19	266	
05:15	48		48	7		214	55	262	
05:30	72		67	3		216	75	283	
05:45	89	227	49	218	9	20	215	857	264
06:00	171		52	9		214	180	266	
06:15	238		33	15		198	253	231	
06:30	310		41	20		200	330	241	
06:45	266	985	31	157	37	81	162	774	193
07:00	246		20	30		149	276	169	
07:15	235		25	46		103	281	128	
07:30	217		20	48		99	265	119	
07:45	188	886	21	86	44	168	66	417	503
08:00	213		18	57		69	270	87	
08:15	165		15	67		44	232	59	
08:30	223		12	66		54	289	66	
08:45	207	808	14	59	49	239	54	221	280
09:00	178		18	60		42	238	60	
09:15	152		14	54		47	206	61	
09:30	121		13	36		39	157	52	
09:45	106	557	14	59	61	211	49	177	236
10:00	85		8	38		24	123	32	
10:15	75		11	40		21	115	32	
10:30	74		8	47		18	121	26	
10:45	75	309	6	33	52	177	19	82	115
11:00	44		4	62		16	106	20	
11:15	61		2	53		16	114	18	
11:30	72		6	44		15	116	21	
11:45	54	231	1	13	62	221	11	58	71
Total	4067		1904	1161		5150	5228	7054	
Percent	77.8%		27.0%	22.2%		73.0%			
Day Total		5971		6311			12282		
Peak Vol.	06:15	-	03:00	-	08:15	-	03:45	-	03:45
P.H.F.	1060	-	273	-	242	-	899	-	1171
	0.855		0.898		0.903		0.944		0.944



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 G Volume  
Site Code: TBA

Start	EB			WB			Combined		14-Oct-16
Time	A.M.		P.M.	A.M.		P.M.	A.M.	P.M.	Fri
12:00	1		68	9		60	10	128	
12:15	1		84	14		69	15	153	
12:30	0		70	8		89	8	159	
12:45	1	3	59	281	5	36	55	273	554
01:00	0		68	4		68	4	136	
01:15	1		64	5		87	6	151	
01:30	0		63	2		66	2	129	
01:45	0	1	61	256	5	16	80	301	557
02:00	2		55	1		101	3	156	
02:15	0		54	0		105	0	159	
02:30	3		57	1		117	4	174	
02:45	1	6	63	229	2	4	108	431	660
03:00	1		62	1		167	2	229	
03:15	1		76	0		188	1	264	
03:30	5		81	1		189	6	270	
03:45	4	11	49	268	1	3	229	773	1041
04:00	4		61	0		229	4	290	
04:15	12		59	3		248	15	307	
04:30	7		44	4		252	11	296	
04:45	11	34	59	223	1	8	224	953	1176
05:00	20		52	2		220	22	272	
05:15	35		65	6		238	41	303	
05:30	56		54	5		237	61	291	
05:45	68	179	66	237	10	23	218	913	1150
06:00	148		49	11		211	159	260	
06:15	212		51	13		192	225	243	
06:30	283		37	22		159	305	196	
06:45	237	880	40	177	35	81	155	717	894
07:00	227		45	38		131	265	176	
07:15	204		25	36		84	240	109	
07:30	206		28	45		71	251	99	
07:45	198	835	25	123	56	175	61	347	470
08:00	232		20	66		35	298	55	
08:15	200		19	61		43	261	62	
08:30	195		21	61		48	256	69	
08:45	186	813	22	82	53	241	37	163	245
09:00	138		23	49		38	187	61	
09:15	124		16	55		35	179	51	
09:30	120		17	55		31	175	48	
09:45	81	463	6	62	28	187	34	138	200
10:00	67		13	31		30	98	43	
10:15	65		12	34		24	99	36	
10:30	75		14	56		23	131	37	
10:45	66	273	14	53	49	170	25	102	155
11:00	59		10	49		25	108	35	
11:15	78		10	38		16	116	26	
11:30	58		6	66		17	124	23	
11:45	71	266	3	29	66	219	8	137	95
Total	3764		2020	1163		5177		4927	7197
Percent	76.4%		28.1%	23.6%		71.9%			
Day Total	5784			6340			12124		
Peak Vol.	06:15 959	-	02:45 282	-	07:45 244	-	03:45 958	-	06:30 1082
P.H.F.	0.847		0.839		0.924		0.950		0.887
									0.958



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

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Email: datarequests@pdillc.com

165313 G Volume  
Site Code: TBA

Start	EB			WB			Combined		15-Oct-16
Time	A.M.	P.M.		A.M.	P.M.		A.M.	P.M.	Sat
12:00	6	135		11	77		17	212	
12:15	1	85		13	108		14	193	
12:30	3	71		7	120		10	191	
12:45	2	12	71	362	7	38	124	429	791
01:00	0	82		7	117		7	199	
01:15	0	101		5	122		5	223	
01:30	4	88		3	136		7	224	
01:45	1	5	101	372	3	18	113	488	860
02:00	0	112		1	102		1	214	
02:15	0	80		1	104		1	184	
02:30	2	90		8	100		10	190	
02:45	1	3	92	374	3	13	95	401	775
03:00	1	117		1	128		2	245	
03:15	0	89		1	111		1	200	
03:30	1	95		2	142		3	237	
03:45	1	3	90	391	2	6	90	471	862
04:00	0	85		1	109		1	194	
04:15	0	81		1	105		1	186	
04:30	2	100		0	105		2	205	
04:45	5	7	85	351	0	2	85	404	755
05:00	5	99		3	71		8	170	
05:15	13	104		3	71		16	175	
05:30	23	93		1	77		24	170	
05:45	9	50	90	386	1	8	66	285	671
06:00	15	92		2	61		17	153	
06:15	25	61		6	62		31	123	
06:30	31	72		7	61		38	133	
06:45	31	102	62	287	14	29	46	230	517
07:00	41	36		9	41		50	77	
07:15	37	28		19	35		56	63	
07:30	43	26		25	37		68	63	
07:45	40	161	34	124	35	88	30	143	267
08:00	40	20		28	50		68	70	
08:15	52	21		19	31		71	52	
08:30	53	15		22	41		75	56	
08:45	83	228	16	72	40	109	19	141	35
09:00	62	17		42	26		104	43	213
09:15	71	22		49	41		120	63	
09:30	73	16		56	19		129	35	
09:45	67	273	17	72	71	218	28	114	186
10:00	58	13		81	24		139	37	
10:15	65	12		75	34		140	46	
10:30	66	23		43	28		109	51	
10:45	58	247	13	61	59	258	21	107	168
11:00	71	16		65	21		136	37	
11:15	77	10		72	14		149	24	
11:30	61	4		90	16		151	20	
11:45	103	312	5	35	62	289	13	64	99
Total	1403	2887		1076	3277		2479	6164	
Percent	56.6%	46.8%		43.4%	53.2%				
Day Total	4290			4353			8643		
Peak Vol.	11:00	-	01:15	-	11:00	-	00:45	-	01:15
P.H.F.	312	-	402	-	289	-	499	-	875
	0.757		0.897		0.803		0.917		0.977



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Email: datarequests@pdillc.com

165313 G Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	9	0	0	1	0	0	0	0	0	0	0	10
01:00	0	0	4	1	0	0	0	0	0	0	0	0	0	5
02:00	0	0	5	1	0	0	0	0	0	0	0	0	0	6
03:00	0	0	11	2	0	1	0	0	0	0	0	0	0	14
04:00	0	0	31	12	0	0	0	0	0	0	0	0	0	43
05:00	0	0	179	46	0	4	0	0	0	0	0	0	0	229
06:00	1	782	154	3	22	4	1	7	0	0	0	0	0	974
07:00	1	716	97	2	12	2	0	0	0	0	0	0	0	830
08:00	2	667	78	0	7	1	5	1	1	0	0	0	0	762
09:00	3	461	45	1	11	4	4	1	0	0	0	0	0	530
10:00	1	261	28	0	9	2	1	0	0	0	0	0	0	302
11:00	3	240	31	0	6	3	3	1	0	0	0	0	0	287
12 PM	4	207	36	0	4	6	2	0	0	0	0	0	0	259
13:00	5	200	29	4	9	0	2	1	0	0	0	0	0	250
14:00	2	213	32	1	11	0	3	3	1	0	0	0	0	266
15:00	4	241	29	0	9	2	0	0	1	0	0	0	0	286
16:00	5	226	34	2	9	3	0	0	0	0	0	0	0	279
17:00	9	207	16	0	4	0	0	0	0	0	0	0	0	236
18:00	3	159	9	0	0	0	0	0	0	0	0	0	0	171
19:00	0	80	5	1	0	0	0	0	0	0	0	0	0	86
20:00	0	58	7	0	0	0	0	0	0	0	0	0	0	65
21:00	0	57	3	0	1	0	0	0	0	0	0	0	0	61
22:00	0	27	1	0	0	0	0	0	0	0	0	0	0	28
23:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
Total	43	5052	697	14	120	27	21	14	3	0	0	0	0	5991
Percent	0.7%	84.3%	11.6%	0.2%	2.0%	0.5%	0.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	09:00	06:00	06:00	06:00	06:00	06:00	08:00	06:00	08:00					06:00
	3	782	154	3	22	4	5	7	1					974
PM Peak Vol.	17:00	15:00	12:00	13:00	14:00	12:00	14:00	14:00	14:00					15:00
	9	241	36	4	11	6	3	3	1					286



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165313 G Class  
Site Code: TBA

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/13/1														
06:00	6	0	3	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	7	0	0	0	0	0	0	0	0	0	0	7
03:00	0	0	9	2	0	0	0	0	0	0	0	0	0	11
04:00	1	1	30	9	0	1	0	0	0	0	0	0	0	41
05:00	0	0	174	48	0	2	0	1	1	1	0	0	0	227
06:00	3	3	815	142	2	18	0	2	2	1	0	0	0	985
07:00	1	1	776	89	4	8	6	1	1	0	0	0	0	886
08:00	6	6	708	76	2	8	3	1	4	0	0	0	0	808
09:00	4	4	480	52	2	10	7	2	0	0	0	0	0	557
10:00	1	1	257	35	3	4	1	6	1	1	0	0	0	309
11:00	0	0	192	30	0	4	2	2	1	0	0	0	0	231
12 PM	2	2	211	33	2	5	2	1	2	0	0	0	0	258
13:00	4	4	198	30	2	3	3	2	0	0	0	0	0	242
14:00	3	3	197	31	4	4	4	0	0	0	0	0	0	243
15:00	1	1	237	26	1	6	0	0	2	0	0	0	0	273
16:00	7	7	224	22	2	7	0	0	1	0	0	0	0	263
17:00	5	5	197	14	0	2	0	0	0	0	0	0	0	218
18:00	2	2	137	16	1	1	0	0	0	0	0	0	0	157
19:00	0	0	73	9	1	2	0	0	1	0	0	0	0	86
20:00	0	0	55	4	0	0	0	0	0	0	0	0	0	59
21:00	1	1	51	5	0	2	0	0	0	0	0	0	0	59
22:00	1	1	28	3	0	1	0	0	0	0	0	0	0	33
23:00	0	0	12	1	0	0	0	0	0	0	0	0	0	13
Total	42	42	5073	677	26	88	28	18	16	3	0	0	0	5971
Percent	0.7%	0.7%	85.0%	11.3%	0.4%	1.5%	0.5%	0.3%	0.3%	0.1%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	06:00	06:00	07:00	06:00	09:00	10:00	08:00	05:00					06:00
	6	6	815	142	4	18	7	6	4	1				985
PM Peak Vol.	16:00	15:00	12:00	14:00	16:00	14:00	13:00	12:00						15:00
	7	7	237	33	4	7	4	2	2					273



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EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1														
6	0	2	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	5	0	0	1	0	0	0	0	0	0	0	0	6
03:00	0	8	2	0	1	0	0	0	0	0	0	0	0	11
04:00	0	27	7	0	0	0	0	0	0	0	0	0	0	34
05:00	0	140	36	0	2	0	0	0	1	0	0	0	0	179
06:00	3	706	140	2	18	4	3	4	0	0	0	0	0	880
07:00	1	729	88	4	8	1	1	3	0	0	0	0	0	835
08:00	6	704	81	1	13	5	1	2	0	0	0	0	0	813
09:00	3	399	42	1	8	4	4	2	0	0	0	0	0	463
10:00	0	218	46	1	5	1	2	0	0	0	0	0	0	273
11:00	3	215	39	1	5	1	1	1	0	0	0	0	0	266
12 PM	0	235	27	3	9	3	1	2	1	0	0	0	0	281
13:00	3	212	32	1	5	1	2	0	0	0	0	0	0	256
14:00	0	174	39	1	9	1	0	3	2	0	0	0	0	229
15:00	4	231	23	2	6	2	0	0	0	0	0	0	0	268
16:00	4	200	13	2	3	0	0	1	0	0	0	0	0	223
17:00	5	217	13	0	2	0	0	0	0	0	0	0	0	237
18:00	0	161	14	0	1	1	0	0	0	0	0	0	0	177
19:00	1	113	6	0	3	0	0	0	0	0	0	0	0	123
20:00	0	78	4	0	0	0	0	0	0	0	0	0	0	82
21:00	0	59	2	0	1	0	0	0	0	0	0	0	0	62
22:00	0	49	4	0	0	0	0	0	0	0	0	0	0	53
23:00	0	28	1	0	0	0	0	0	0	0	0	0	0	29
Total	33	4910	661	19	100	24	15	18	4	0	0	0	0	5784
Percent	0.6%	84.9%	11.4%	0.3%	1.7%	0.4%	0.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	08:00	07:00	06:00	07:00	06:00	08:00	09:00	06:00	05:00					06:00
	6	729	140	4	18	5	4	4	1					880
PM Peak Vol.	17:00	12:00	14:00	12:00	12:00	12:00	13:00	14:00	14:00					12:00
	5	235	39	3	9	3	2	3	2					281



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**EB**

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	6	0	11	1	0	0	0	0	0	0	0	0	0	12
01:00	0	0	5	0	0	0	0	0	0	0	0	0	0	5
02:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	6	1	0	0	0	0	0	0	0	0	0	7
05:00	0	0	36	12	0	2	0	0	0	0	0	0	0	50
06:00	1	75	14	1	7	1	0	2	1	0	0	0	0	102
07:00	0	0	125	27	0	8	0	0	0	1	0	0	0	161
08:00	0	0	184	33	0	8	3	0	0	0	0	0	0	228
09:00	2	239	28	0	1	2	0	1	0	0	0	0	0	273
10:00	3	217	22	0	5	0	0	0	0	0	0	0	0	247
11:00	3	277	24	0	4	4	0	0	0	0	0	0	0	312
12 PM	4	325	26	0	5	2	0	0	0	0	0	0	0	362
13:00	9	341	19	0	2	1	0	0	0	0	0	0	0	372
14:00	7	336	25	1	3	2	0	0	0	0	0	0	0	374
15:00	8	340	37	0	3	2	0	1	0	0	0	0	0	391
16:00	4	328	16	0	2	1	0	0	0	0	0	0	0	351
17:00	13	350	19	0	4	0	0	0	0	0	0	0	0	386
18:00	7	261	16	1	1	1	0	0	0	0	0	0	0	287
19:00	0	110	12	1	1	0	0	0	0	0	0	0	0	124
20:00	0	70	2	0	0	0	0	0	0	0	0	0	0	72
21:00	0	67	3	0	2	0	0	0	0	0	0	0	0	72
22:00	0	56	4	0	1	0	0	0	0	0	0	0	0	61
23:00	0	30	5	0	0	0	0	0	0	0	0	0	0	35
Total	61	3795	346	4	59	19	0	4	2	0	0	0	0	4290
Percent	1.4%	88.5%	8.1%	0.1%	1.4%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	11:00	08:00	06:00	07:00	11:00		06:00	06:00					11:00
PM Peak Vol.	3	277	33	1	8	4		2	1					312
PM Peak Vol.	17:00	17:00	15:00	14:00	12:00	12:00		15:00						15:00
PM Peak Vol.	13	350	37	1	5	2		1						391



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WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/12/1														
06:00	6	0	19	2	0	0	0	0	0	0	0	0	0	21
01:00	0	0	11	2	0	0	0	0	0	0	0	0	0	13
02:00	0	0	4	0	0	0	0	0	0	0	0	0	0	4
03:00	0	0	2	1	0	1	0	0	0	0	0	0	0	4
04:00	0	0	3	3	0	0	0	0	0	0	0	0	0	6
05:00	0	0	17	6	2	1	0	0	0	0	0	0	0	26
06:00	1	54	12	1	5	0	0	0	0	0	0	0	0	73
07:00	1	119	29	0	8	3	0	1	0	0	0	0	0	161
08:00	1	166	42	3	8	0	0	1	0	0	0	0	0	221
09:00	0	132	33	1	8	1	0	0	0	0	0	0	0	175
10:00	2	150	39	0	10	5	0	1	2	0	0	0	0	209
11:00	4	180	51	1	8	3	1	0	0	0	0	0	0	248
12 PM	5	252	45	1	12	4	0	2	0	0	0	0	0	321
13:00	6	197	60	1	13	5	0	2	0	0	0	0	0	284
14:00	1	285	100	1	12	0	0	1	0	0	0	0	0	400
15:00	3	507	144	2	24	4	1	1	0	0	0	0	0	686
16:00	5	679	162	1	28	4	0	3	0	1	0	0	0	883
17:00	30	755	96	0	16	8	3	5	1	0	0	0	0	914
18:00	14	656	100	0	11	1	1	1	0	0	0	0	0	784
19:00	1	310	35	0	5	0	0	3	0	0	0	0	0	354
20:00	3	185	30	0	1	0	0	0	0	0	0	0	0	219
21:00	1	140	22	1	1	0	0	0	0	0	0	0	0	165
22:00	0	59	3	0	1	0	0	0	0	0	0	0	0	63
23:00	0	40	2	0	0	0	0	0	0	0	0	0	0	42
Total	78	4922	1019	15	173	38	6	21	3	1	0	0	0	6276
Percent	1.2%	78.4%	16.2%	0.2%	2.8%	0.6%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	11:00	11:00	08:00	10:00	10:00	11:00	07:00	10:00					11:00
PM Peak Vol.	4	180	51	3	10	5	1	1	2					248
PM Peak Vol.	17:00	17:00	16:00	15:00	16:00	17:00	17:00	17:00	17:00	16:00				17:00
	30	755	162	2	28	8	3	5	1	1				914



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

165313 G Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
<b>10/13/1</b>														
6	0	20	2	0	1	0	0	0	0	0	0	0	0	23
01:00	0	7	4	0	1	0	0	0	0	0	0	0	0	12
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3
04:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
05:00	0	13	3	1	2	1	0	0	0	0	0	0	0	20
06:00	0	63	13	0	5	0	0	0	0	0	0	0	0	81
07:00	2	118	36	0	6	4	0	0	2	0	0	0	0	168
08:00	0	175	49	4	7	3	0	1	0	0	0	0	0	239
09:00	1	149	42	1	10	4	1	0	2	1	0	0	0	211
10:00	5	128	32	0	10	2	0	0	0	0	0	0	0	177
11:00	1	146	55	2	9	5	1	2	0	0	0	0	0	221
12 PM	3	191	51	1	7	4	1	1	0	0	0	0	0	259
13:00	2	223	57	4	11	5	1	1	1	0	0	0	0	305
14:00	3	293	76	2	10	4	0	2	0	0	0	0	0	390
15:00	9	517	157	1	24	7	1	3	1	0	0	0	0	720
16:00	28	692	144	0	20	0	2	3	1	0	0	0	0	890
17:00	20	707	92	1	26	3	4	4	0	0	0	0	0	857
18:00	6	663	92	1	7	1	2	1	1	0	0	0	0	774
19:00	2	359	49	0	7	0	0	0	0	0	0	0	0	417
20:00	1	191	27	0	2	0	0	0	0	0	0	0	0	221
21:00	1	151	24	0	1	0	0	0	0	0	0	0	0	177
22:00	1	74	7	0	0	0	0	0	0	0	0	0	0	82
23:00	0	54	4	0	0	0	0	0	0	0	0	0	0	58
Total	85	4941	1017	18	167	43	13	18	8	1	0	0	0	6311
Percent	1.3%	78.3%	16.1%	0.3%	2.6%	0.7%	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	10:00	08:00	11:00	08:00	09:00	11:00	09:00	11:00	07:00	09:00				08:00
PM Peak Vol.	5	175	55	4	10	5	1	2	2	1				239
PM Peak Vol.	16:00	17:00	15:00	13:00	17:00	15:00	17:00	17:00	13:00					16:00
	28	707	157	4	26	7	4	4	1					890



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165313 G Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	2 Axle Buses	3 Axle 6 Tire	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/14/1													
06:00	0	29	7	0	0	0	0	0	0	0	0	0	36
01:00	0	14	2	0	0	0	0	0	0	0	0	0	16
02:00	0	3	1	0	0	0	0	0	0	0	0	0	4
03:00	0	3	0	0	0	0	0	0	0	0	0	0	3
04:00	0	8	0	0	0	0	0	0	0	0	0	0	8
05:00	0	17	4	0	2	0	0	0	0	0	0	0	23
06:00	0	56	17	1	7	0	0	0	0	0	0	0	81
07:00	1	126	36	0	7	3	1	0	1	0	0	0	175
08:00	1	174	50	2	10	2	0	1	1	0	0	0	241
09:00	1	137	28	4	11	5	1	0	0	0	0	0	187
10:00	1	120	33	0	12	3	0	1	0	0	0	0	170
11:00	1	151	42	4	16	3	1	0	1	0	0	0	219
12 PM	2	209	48	1	8	1	0	2	2	0	0	0	273
13:00	1	235	54	1	8	1	0	1	0	0	0	0	301
14:00	4	321	77	2	16	5	1	2	2	1	0	0	431
15:00	18	570	142	6	24	4	0	8	1	0	0	0	773
16:00	39	767	115	1	20	5	3	3	0	0	0	0	953
17:00	40	754	87	3	20	4	3	2	0	0	0	0	913
18:00	2	612	87	1	14	1	0	0	0	0	0	0	717
19:00	2	297	42	0	6	0	0	0	0	0	0	0	347
20:00	0	145	17	0	1	0	0	0	0	0	0	0	163
21:00	1	120	14	0	3	0	0	0	0	0	0	0	138
22:00	0	90	12	0	0	0	0	0	0	0	0	0	102
23:00	0	60	4	0	2	0	0	0	0	0	0	0	66
Total	114	5018	919	26	187	37	10	20	8	1	0	0	6340
Percent	1.8%	79.1%	14.5%	0.4%	2.9%	0.6%	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%
AM Peak Vol.	07:00	08:00	08:00	09:00	11:00	09:00	07:00	08:00	07:00				08:00
PM Peak Vol.	1	174	50	4	16	5	1	1	1				241
PM Peak Vol.	17:00	16:00	15:00	15:00	15:00	14:00	16:00	15:00	12:00	14:00			16:00
PM Peak Vol.	40	767	142	6	24	5	3	8	2	1			953



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165313 G Class  
Site Code: TBA

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
10/15/1														
06:00	0	30	8	0	0	0	0	0	0	0	0	0	0	38
01:00	0	16	2	0	0	0	0	0	0	0	0	0	0	18
02:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13
03:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	2	4	0	2	0	0	0	0	0	0	0	0	8
06:00	1	21	4	0	3	0	0	0	0	0	0	0	0	29
07:00	2	53	23	1	3	0	4	1	1	0	0	0	0	88
08:00	0	75	29	0	3	2	0	0	0	0	0	0	0	109
09:00	0	177	30	1	8	0	0	1	1	0	0	0	0	218
10:00	4	199	47	0	3	2	2	1	0	0	0	0	0	258
11:00	12	231	38	1	4	2	0	0	1	0	0	0	0	289
12 PM	2	343	71	2	7	1	2	0	1	0	0	0	0	429
13:00	7	410	66	1	4	0	0	0	0	0	0	0	0	488
14:00	6	329	61	0	4	0	0	1	0	0	0	0	0	401
15:00	2	388	66	3	11	0	0	1	0	0	0	0	0	471
16:00	7	335	54	0	7	0	0	1	0	0	0	0	0	404
17:00	0	242	40	0	3	0	0	0	0	0	0	0	0	285
18:00	1	192	36	0	1	0	0	0	0	0	0	0	0	230
19:00	1	125	13	0	4	0	0	0	0	0	0	0	0	143
20:00	0	116	25	0	0	0	0	0	0	0	0	0	0	141
21:00	0	99	14	0	1	0	0	0	0	0	0	0	0	114
22:00	1	95	11	0	0	0	0	0	0	0	0	0	0	107
23:00	0	52	11	0	1	0	0	0	0	0	0	0	0	64
Total	46	3547	657	9	69	7	8	6	4	0	0	0	0	4353
Percent	1.1%	81.5%	15.1%	0.2%	1.6%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak Vol.	11:00	11:00	10:00	07:00	09:00	08:00	07:00	07:00	07:00					11:00
PM Peak Vol.	12	231	47	1	8	2	4	1	1					289
PM Peak Vol.	13:00	13:00	12:00	15:00	15:00	12:00	12:00	14:00	12:00					13:00
	7	410	71	3	11	1	2	1	1					488



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165313 G Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed	
<b>10/12/</b>																				
16	0	0	0	0	0	0	3	3	3	1	0	0	0	0	0	0	10	48	43	
01:00	0	0	0	0	0	0	3	1	0	0	1	0	0	0	5	60	43			
02:00	0	1	0	0	0	0	2	2	1	0	0	0	0	0	6	44	37			
03:00	0	0	0	0	0	0	1	6	5	2	0	0	0	0	0	14	48	45		
04:00	0	0	0	0	1	0	4	19	17	2	0	0	0	0	0	43	47	44		
05:00	0	0	0	0	0	3	40	113	68	5	0	0	0	0	0	229	46	43		
06:00	0	0	5	6	77	499	336	46	5	0	0	0	0	0	0	974	42	39		
07:00	2	3	7	15	54	441	286	19	3	0	0	0	0	0	0	830	42	38		
08:00	0	5	4	9	32	320	361	29	2	0	0	0	0	0	0	762	42	39		
09:00	1	4	3	1	13	207	263	37	1	0	0	0	0	0	0	530	43	40		
10:00	0	0	1	0	3	94	166	38	0	0	0	0	0	0	0	302	43	41		
11:00	1	1	5	1	7	87	158	26	1	0	0	0	0	0	0	287	43	40		
12 PM	0	1	4	1	7	97	122	23	4	0	0	0	0	0	0	259	43	40		
13:00	0	1	2	1	12	83	120	30	1	0	0	0	0	0	0	250	43	40		
14:00	0	2	1	1	7	105	128	18	4	0	0	0	0	0	0	266	43	40		
15:00	5	3	8	1	14	100	131	21	2	0	0	0	0	0	1	286	43	39		
16:00	7	2	13	6	17	110	107	17	0	0	0	0	0	0	0	279	42	37		
17:00	7	5	98	1	19	50	47	9	0	0	0	0	0	0	0	236	41	30		
18:00	2	0	32	5	16	49	59	6	2	0	0	0	0	0	0	171	42	35		
19:00	0	0	2	0	3	20	44	16	1	0	0	0	0	0	0	86	45	41		
20:00	0	0	1	0	1	15	39	8	1	0	0	0	0	0	0	65	43	41		
21:00	0	1	0	0	2	15	35	7	1	0	0	0	0	0	0	61	43	41		
22:00	0	0	0	0	1	7	13	7	0	0	0	0	0	0	0	28	45	42		
23:00	0	0	0	0	0	0	4	6	1	0	0	1	0	0	0	12	44	42		
Total	25	29	186	49	288	2356	2565	452	38	0	2	0	1	5991						
%	0.4%	0.5%	3.1%	0.8%	4.8%	39.3%	42.8%	7.5%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					
AM Peak Vol.	07:00	08:00	07:00	07:00	06:00	06:00	08:00	05:00	05:00	01:00						06:00				
PM Peak Vol.	2	5	7	15	77	499	361	68	5	1						974				
	16:00	17:00	17:00	16:00	17:00	16:00	15:00	13:00	12:00	23:00						15:00	15:00			
	7	5	98	6	19	110	131	30	4	1						1	286			

Stats                    15th Percentile : 34 MPH  
                       50th Percentile : 39 MPH  
                       85th Percentile : 43 MPH  
                       95th Percentile : 46 MPH

Mean Speed(Average) : 39 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 4921  
 Percent in Pace : 82.1%  
 Number of Vehicles > 30 MPH : 5644  
 Percent of Vehicles > 30 MPH : 94.2%



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165313 G Speed  
Site Code: TBA

EB	Start Time	1	15	20	25	30	35	40	45	50	55	60	65	70	Total	85th % ile	Ave Speed
	Start Time	14	19	24	29	34	39	44	49	54	59	64	69	9999			
<b>10/13/</b>																	
16	0	0	0	0	1	0	2	0	0	0	0	0	0	0	3	42	39
01:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	43	42
02:00	0	0	0	0	1	3	2	1	0	0	0	0	0	0	7	43	39
03:00	0	0	0	0	0	3	5	3	0	0	0	0	0	0	11	46	42
04:00	0	0	0	1	0	5	20	15	0	0	0	0	0	0	41	46	43
05:00	0	0	0	0	0	25	143	55	4	0	0	0	0	0	227	46	43
06:00	0	0	6	9	85	514	334	35	2	0	0	0	0	0	985	42	38
07:00	2	6	38	22	100	425	261	31	1	0	0	0	0	0	886	42	37
08:00	0	0	0	3	36	369	353	46	0	1	0	0	0	0	808	42	40
09:00	3	7	2	1	26	224	268	25	0	0	0	0	0	1	557	42	39
10:00	1	1	2	8	12	83	172	27	2	0	1	0	0	0	309	43	40
11:00	0	0	3	0	7	75	124	21	1	0	0	0	0	0	231	43	40
12 PM	0	0	2	2	14	83	130	25	2	0	0	0	0	0	258	43	40
13:00	0	1	3	2	6	82	125	23	0	0	0	0	0	0	242	43	40
14:00	1	4	6	13	22	91	87	17	2	0	0	0	0	0	243	42	38
15:00	1	2	14	4	21	88	119	21	3	0	0	0	0	0	273	43	39
16:00	5	4	85	6	12	57	73	21	0	0	0	0	0	0	263	42	33
17:00	8	2	96	9	13	42	40	8	0	0	0	0	0	0	218	40	30
18:00	2	3	22	1	9	45	58	16	1	0	0	0	0	0	157	43	37
19:00	0	0	0	0	3	28	48	6	1	0	0	0	0	0	86	43	40
20:00	0	0	0	0	2	24	21	10	2	0	0	0	0	0	59	45	41
21:00	0	0	1	0	1	15	35	5	2	0	0	0	0	0	59	43	41
22:00	1	0	0	0	2	6	19	5	0	0	0	0	0	0	33	44	40
23:00	0	0	0	0	1	4	5	2	1	0	0	0	0	0	13	46	41
Total	24	30	280	81	374	2291	2446	418	24	1	1	0	1	1	5971		
%	0.4%	0.5%	4.7%	1.4%	6.3%	38.4%	41.0%	7.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	09:00	09:00	07:00	07:00	07:00	06:00	08:00	05:00	05:00	08:00	10:00				09:00	06:00	
PM Peak Vol.	3	7	38	22	100	514	353	55	4	1	1				1	985	
	17:00	14:00	17:00	14:00	14:00	14:00	12:00	12:00	15:00							15:00	
	8	4	96	13	22	91	130	25	3							273	

Stats

15th Percentile :	34 MPH
50th Percentile :	38 MPH
85th Percentile :	43 MPH
95th Percentile :	45 MPH
Mean Speed(Average) :	38 MPH
10 MPH Pace Speed :	35-44 MPH
Number in Pace :	4737
Percent in Pace :	79.3%
Number of Vehicles > 30 MPH :	5481
Percent of Vehicles > 30 MPH :	91.8%



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165313 G Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	3	52	50
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	38	37	
02:00	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	6	47	44	
03:00	0	1	0	0	0	0	1	5	4	0	0	0	0	0	0	11	46	41	
04:00	0	0	0	0	0	0	3	13	17	1	0	0	0	0	0	34	47	44	
05:00	0	0	0	0	0	1	12	95	64	6	1	0	0	0	0	179	47	44	
06:00	0	0	7	2	68	412	347	42	1	1	0	0	0	0	0	880	42	39	
07:00	0	3	12	32	87	431	253	16	1	0	0	0	0	0	0	835	41	38	
08:00	1	3	7	13	48	340	364	35	1	0	0	0	1	0	0	813	42	39	
09:00	3	4	6	13	15	131	228	58	4	1	0	0	0	0	0	463	43	40	
10:00	0	5	3	0	8	69	148	37	3	0	0	0	0	0	0	273	43	41	
11:00	0	1	2	3	7	97	127	25	3	1	0	0	0	0	0	266	43	40	
12 PM	0	2	4	2	9	80	146	33	5	0	0	0	0	0	0	281	43	40	
13:00	0	0	4	5	14	93	110	24	6	0	0	0	0	0	0	256	43	40	
14:00	0	2	7	4	4	77	117	17	1	0	0	0	0	0	0	229	43	39	
15:00	2	5	25	3	14	106	91	20	2	0	0	0	0	0	0	268	42	37	
16:00	3	4	111	5	17	38	37	8	0	0	0	0	0	0	0	223	40	29	
17:00	3	3	97	2	12	57	47	16	0	0	0	0	0	0	0	237	41	32	
18:00	0	1	29	1	6	54	68	18	0	0	0	0	0	0	0	177	43	37	
19:00	0	0	2	0	3	33	55	28	2	0	0	0	0	0	0	123	46	41	
20:00	0	0	1	0	5	22	35	16	2	0	1	0	0	0	0	82	46	41	
21:00	0	0	0	0	1	19	33	7	2	0	0	0	0	0	0	62	43	41	
22:00	0	1	1	0	3	7	28	12	1	0	0	0	0	0	0	53	46	41	
23:00	0	0	0	0	0	13	14	1	1	0	0	0	0	0	0	29	43	40	
Total	12	35	318	85	322	2097	2362	503	44	4	1	1	0	0	0	5784			
%	0.2%	0.6%	5.5%	1.5%	5.6%	36.3%	40.8%	8.7%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	09:00	10:00	07:00	07:00	07:00	07:00	08:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	05:00	08:00	06:00		
PM Peak Vol.	3	5	12	32	87	431	364	64	6	1	1	1	1	1	1	1	880		
	16:00	15:00	16:00	13:00	16:00	15:00	12:00	12:00	13:00	13:00	13:00	13:00	13:00	13:00	13:00	20:00	12:00		
	3	5	111	5	17	106	146	33	6	1	1	1	1	1	1	1	281		

Stats

15th Percentile :	34 MPH
50th Percentile :	39 MPH
85th Percentile :	43 MPH
95th Percentile :	46 MPH
Mean Speed(Average) :	39 MPH
10 MPH Pace Speed :	35-44 MPH
Number in Pace :	4459
Percent in Pace :	77.1%
Number of Vehicles > 30 MPH :	5270
Percent of Vehicles > 30 MPH :	91.1%



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

165313 G Speed  
Site Code: TBA

EB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	0	0	0	0	2	7	2	1	0	0	0	0	0	12	46	43
01:00	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	5	45	40
02:00	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	46	44
03:00	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	42	40
04:00	0	0	0	0	0	0	1	3	3	0	0	0	0	0	0	0	7	47	43
05:00	0	1	1	0	0	10	24	11	3	0	0	0	0	0	0	0	50	46	42
06:00	0	0	1	0	5	27	47	17	5	0	0	0	0	0	0	0	102	45	41
07:00	0	2	6	1	4	38	75	31	4	0	0	0	0	0	0	0	161	45	41
08:00	0	1	2	0	4	58	125	35	2	1	0	0	0	0	0	0	228	44	41
09:00	0	1	2	1	10	70	146	42	1	0	0	0	0	0	0	0	273	44	41
10:00	0	0	4	2	5	74	123	38	1	0	0	0	0	0	0	0	247	44	41
11:00	0	0	0	3	11	113	159	26	0	0	0	0	0	0	0	0	312	43	40
12 PM	1	1	3	5	23	156	142	29	2	0	0	0	0	0	0	0	362	43	39
13:00	0	1	3	1	23	145	171	27	1	0	0	0	0	0	0	0	372	43	40
14:00	0	1	6	4	22	148	169	22	2	0	0	0	0	0	0	0	374	43	39
15:00	1	6	3	6	18	171	163	21	2	0	0	0	0	0	0	0	391	42	39
16:00	0	1	3	1	24	160	144	18	0	0	0	0	0	0	0	0	351	42	39
17:00	0	4	2	1	29	160	163	25	2	0	0	0	0	0	0	0	386	43	39
18:00	0	1	0	0	8	134	116	24	3	1	0	0	0	0	0	0	287	43	40
19:00	0	0	0	1	5	52	50	15	1	0	0	0	0	0	0	0	124	43	40
20:00	0	0	1	0	1	20	39	11	0	0	0	0	0	0	0	0	72	44	41
21:00	0	0	0	1	3	24	33	11	0	0	0	0	0	0	0	0	72	44	40
22:00	0	0	0	0	2	18	39	2	0	0	0	0	0	0	0	0	61	43	40
23:00	0	0	0	0	1	11	12	8	3	0	0	0	0	0	0	0	35	47	42
Total	2	20	37	27	199	1594	1956	420	33	2	0	0	0	0	0	0	4290		
%	0.0%	0.5%	0.9%	0.6%	4.6%	37.2%	45.6%	9.8%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.		07:00	07:00	11:00	11:00	11:00	09:00	06:00	08:00									11:00	
PM Peak Vol.	12:00	15:00	14:00	15:00	17:00	15:00	13:00	12:00	18:00	18:00								15:00	
Stats																		391	

15th Percentile : 35 MPH  
 50th Percentile : 39 MPH  
 85th Percentile : 43 MPH  
 95th Percentile : 46 MPH

Mean Speed(Average) : 40 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 3550  
 Percent in Pace : 82.8%  
 Number of Vehicles > 30 MPH : 4164  
 Percent of Vehicles > 30 MPH : 97.1%



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdilc.com

165313 G Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/12/</b>																			
16	0	0	0	0	1	3	14	3	0	0	0	0	0	0	0	0	21	43	42
01:00	0	0	0	0	3	3	3	2	2	0	0	0	0	0	0	0	13	49	41
02:00	0	0	0	0	1	0	2	0	0	0	1	0	0	0	0	0	4	61	44
03:00	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	43	42
04:00	0	1	0	0	0	3	2	0	0	0	0	0	0	0	0	0	6	41	35
05:00	0	0	0	0	3	9	12	2	0	0	0	0	0	0	0	0	26	43	40
06:00	0	0	0	0	2	34	25	11	1	0	0	0	0	0	0	0	73	44	40
07:00	0	0	1	0	12	52	79	16	1	0	0	0	0	0	0	0	161	43	40
08:00	<b>4</b>	2	<b>3</b>	<b>2</b>	7	93	87	20	<b>3</b>	1	0	0	0	0	0	0	221	43	39
09:00	0	1	3	0	4	63	74	<b>29</b>	1	0	0	0	0	0	0	0	175	44	40
10:00	1	<b>7</b>	2	1	16	65	<b>94</b>	21	2	0	0	0	0	0	0	0	209	43	39
11:00	0	1	1	1	<b>31</b>	<b>119</b>	82	13	0	0	0	0	0	0	0	0	<b>248</b>	42	38
12 PM	0	2	5	7	32	151	113	11	0	0	0	0	0	0	0	0	321	42	38
13:00	0	3	3	4	25	88	130	27	2	<b>2</b>	0	0	0	0	0	0	284	43	40
14:00	0	0	3	6	21	162	169	<b>34</b>	<b>5</b>	0	0	0	0	0	0	0	400	43	40
15:00	0	4	20	22	73	<b>331</b>	<b>209</b>	25	2	0	0	0	0	0	0	0	686	42	38
16:00	17	61	68	<b>48</b>	<b>157</b>	313	199	20	0	0	0	0	0	0	0	0	883	41	34
17:00	<b>326</b>	<b>391</b>	<b>184</b>	12	1	0	0	0	0	0	0	0	0	0	0	0	<b>914</b>	20	15
18:00	116	190	150	48	67	143	66	4	0	0	0	0	0	0	0	0	784	37	24
19:00	0	1	2	14	62	149	109	17	0	0	0	0	0	0	0	0	354	42	38
20:00	0	0	1	1	8	116	76	14	3	0	0	0	0	0	0	0	219	42	39
21:00	0	0	0	0	15	72	63	13	2	0	0	0	0	0	0	0	165	43	39
22:00	0	0	0	1	2	22	27	10	1	0	0	0	0	0	0	0	63	44	41
23:00	0	0	0	0	0	18	17	6	1	0	0	0	0	0	0	0	42	44	41
Total	464	664	446	167	543	2009	1656	298	26	2	1	0	0	0	0	0	6276		
%	7.4%	10.6%	7.1%	2.7%	8.7%	32.0%	26.4%	4.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	08:00	10:00	08:00	08:00	11:00	11:00	10:00	09:00	08:00								11:00		
PM Peak Vol.	4	7	3	2	31	119	94	29	3							1	248		
	17:00	17:00	17:00	16:00	16:00	15:00	15:00	14:00	14:00	13:00							17:00		
	326	391	184	48	157	331	209	34	5	2							914		

Stats                    15th Percentile : 17 MPH  
                       50th Percentile : 36 MPH  
                       85th Percentile : 42 MPH  
                       95th Percentile : 44 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 3665  
 Percent in Pace : 58.4%  
 Number of Vehicles > 30 MPH : 4426  
 Percent of Vehicles > 30 MPH : 70.5%



North Road (Route 117)  
east of Pantry Road  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdillc.com

165313 G Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/13/</b>																			
16	0	0	1	1	0	6	10	5	0	0	0	0	0	0	0	0	23	45	40
01:00	0	0	0	0	1	8	0	2	1	0	0	0	0	0	0	0	12	46	40
02:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	57	50
03:00	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	38	37
04:00	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4	41	38
05:00	0	0	0	0	2	5	8	5	0	0	0	0	0	0	0	0	20	46	41
06:00	0	0	0	0	6	28	33	11	3	0	0	0	0	0	0	0	81	44	41
07:00	<b>1</b>	<b>4</b>	3	4	14	54	68	19	1	0	0	0	0	0	0	0	168	43	39
08:00	0	3	0	1	<b>29</b>	78	99	<b>24</b>	<b>5</b>	0	0	0	0	0	0	0	<b>239</b>	43	39
09:00	0	3	2	1	14	75	<b>101</b>	15	0	0	0	0	0	0	0	0	211	43	39
10:00	1	0	<b>4</b>	3	17	76	55	20	1	0	0	0	0	0	0	0	177	43	39
11:00	0	0	3	<b>6</b>	27	<b>101</b>	68	16	0	0	0	0	0	0	0	0	221	42	38
12 PM	1	0	0	8	16	95	115	<b>23</b>	1	0	0	0	0	0	0	0	259	43	39
13:00	0	3	2	4	31	122	121	22	0	0	0	0	0	0	0	0	305	43	39
14:00	2	5	14	22	57	167	115	8	0	0	0	0	0	0	0	0	390	41	36
15:00	23	35	48	54	127	<b>269</b>	<b>153</b>	11	0	0	0	0	0	0	0	0	720	40	34
16:00	249	183	138	59	96	115	49	1	0	0	0	0	0	0	0	0	<b>890</b>	35	21
17:00	<b>306</b>	<b>355</b>	<b>181</b>	14	1	0	0	0	0	0	0	0	0	0	0	0	857	20	15
18:00	83	101	50	<b>77</b>	<b>155</b>	228	78	2	0	0	0	0	0	0	0	0	774	38	29
19:00	0	0	3	11	93	192	108	8	2	0	0	0	0	0	0	0	417	41	37
20:00	0	1	2	3	23	115	67	9	1	0	0	0	0	0	0	0	221	42	38
21:00	0	1	0	0	21	81	64	10	0	0	0	0	0	0	0	0	177	42	39
22:00	0	0	0	0	6	29	34	10	2	1	0	0	0	0	0	0	82	44	41
23:00	0	0	0	0	2	15	27	10	<b>4</b>	0	0	0	0	0	0	0	58	46	42
Total	666	694	451	268	738	1865	1375	231	21	2	0	0	0	0	0	0	6311		
%	10.6%	11.0%	7.1%	4.2%	11.7%	29.6%	21.8%	3.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	07:00	07:00	10:00	11:00	08:00	11:00	09:00	08:00	08:00	02:00							08:00		
PM Peak Vol.	17:00	17:00	17:00	18:00	18:00	15:00	15:00	12:00	23:00	22:00							16:00		
	306	355	181	77	155	269	153	23	4	1							890		

Stats                    15th Percentile : 16 MPH  
                       50th Percentile : 34 MPH  
                       85th Percentile : 41 MPH  
                       95th Percentile : 43 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 3240  
 Percent in Pace : 51.3%  
 Number of Vehicles > 30 MPH : 4084  
 Percent of Vehicles > 30 MPH : 64.7%



North Road (Route 117)  
east of Pantry Road  
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Email: datarequests@pdillc.com

165313 G Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/14/</b>																			
16	0	0	0	1	2	8	16	8	0	0	0	1	0	36	46	42			
01:00	0	0	0	0	0	4	9	2	1	0	0	0	0	0	16	45	42		
02:00	0	0	0	0	0	2	1	1	0	0	0	0	0	0	4	46	41		
03:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	41	37		
04:00	0	0	0	0	0	4	3	1	0	0	0	0	0	0	8	43	40		
05:00	0	0	0	0	3	5	12	3	0	0	0	0	0	0	23	43	40		
06:00	0	0	0	0	11	35	28	6	0	1	0	0	0	0	81	43	39		
07:00	<b>1</b>	<b>5</b>	<b>4</b>	1	12	63	72	15	2	0	0	0	0	0	175	43	39		
08:00	1	5	3	1	17	<b>90</b>	<b>103</b>	<b>18</b>	<b>3</b>	0	0	0	0	0	<b>241</b>	43	39		
09:00	0	3	0	<b>2</b>	13	78	70	18	3	0	0	0	0	0	187	43	39		
10:00	1	1	3	2	15	56	76	14	2	0	0	0	0	0	170	43	39		
11:00	0	3	0	2	<b>28</b>	75	93	17	1	0	0	0	0	0	219	43	39		
12 PM	0	0	3	0	29	102	123	16	0	0	0	0	0	0	273	42	39		
13:00	0	3	1	3	18	129	125	21	1	0	0	0	0	0	301	43	39		
14:00	0	3	4	4	31	180	<b>174</b>	<b>32</b>	<b>3</b>	0	0	0	0	0	431	43	39		
15:00	78	68	94	<b>68</b>	114	211	129	11	0	0	0	0	0	0	773	39	30		
16:00	<b>387</b>	<b>339</b>	<b>217</b>	9	1	0	0	0	0	0	0	0	0	0	<b>953</b>	20	14		
17:00	309	304	185	45	48	22	0	0	0	0	0	0	0	0	913	23	17		
18:00	28	110	73	43	<b>118</b>	<b>235</b>	103	7	0	0	0	0	0	0	717	39	31		
19:00	8	15	8	13	51	151	90	11	0	0	0	0	0	0	347	41	36		
20:00	0	0	0	1	7	76	66	12	1	0	0	0	0	0	163	43	40		
21:00	0	0	1	7	14	53	52	10	1	0	0	0	0	0	138	43	39		
22:00	0	0	0	0	6	46	43	6	0	0	1	0	0	0	102	43	40		
23:00	0	0	0	2	8	15	33	7	1	0	0	0	0	0	66	43	40		
Total	813	859	596	204	547	1641	1422	236	19	1	1	1	1	0	6340				
%	12.8%	13.5%	9.4%	3.2%	8.6%	25.9%	22.4%	3.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%					
AM Peak Vol.	07:00	07:00	07:00	09:00	11:00	08:00	08:00	08:00	08:00	06:00	00:00	00:00	00:00	00:00	08:00				
PM Peak Vol.	16:00	16:00	16:00	15:00	18:00	18:00	14:00	14:00	14:00	14:00	22:00	22:00	22:00	22:00	16:00				

Stats                    15th Percentile : 14 MPH  
                       50th Percentile : 34 MPH  
                       85th Percentile : 41 MPH  
                       95th Percentile : 43 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 3063  
 Percent in Pace : 48.3%  
 Number of Vehicles > 30 MPH : 3759  
 Percent of Vehicles > 30 MPH : 59.3%



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165313 G Speed  
Site Code: TBA

WB	Start Time	14	15	20	25	29	30	35	40	45	50	55	60	65	69	70	Total	85th % ile	Ave Speed
<b>10/15/</b>																			
16	0	0	0	0	2	11	17	8	0	0	0	0	0	0	0	38	45	41	
01:00	0	0	0	0	0	7	7	4	0	0	0	0	0	0	0	18	45	41	
02:00	0	0	0	0	1	9	1	2	0	0	0	0	0	0	0	13	44	39	
03:00	0	0	0	0	0	4	1	0	0	0	1	0	0	0	0	6	54	41	
04:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	47	45	
05:00	0	1	0	0	0	1	2	2	1	1	1	0	0	0	0	8	52	43	
06:00	0	0	0	0	2	6	13	7	0	0	1	0	0	0	0	29	46	42	
07:00	0	2	2	1	7	26	31	17	2	0	0	0	0	0	0	88	45	40	
08:00	0	3	1	0	5	36	40	20	4	0	0	0	0	0	0	109	45	40	
09:00	0	1	5	2	14	85	73	31	7	0	0	0	0	0	0	218	44	40	
10:00	0	1	1	10	28	85	111	19	3	0	0	0	0	0	0	258	43	39	
11:00	1	2	2	2	38	113	100	28	2	1	0	0	0	0	0	289	43	39	
12 PM	0	0	8	21	50	170	150	30	0	0	0	0	0	0	0	429	42	38	
13:00	0	6	18	35	89	202	115	21	2	0	0	0	0	0	0	488	41	36	
14:00	0	1	2	5	39	180	149	21	4	0	0	0	0	0	0	401	42	39	
15:00	1	3	6	19	89	197	132	23	1	0	0	0	0	0	0	471	42	37	
16:00	0	5	6	4	54	167	145	20	2	0	1	0	0	0	0	404	42	38	
17:00	0	2	1	1	21	97	138	23	2	0	0	0	0	0	0	285	43	40	
18:00	0	1	2	3	31	92	86	15	0	0	0	0	0	0	0	230	42	39	
19:00	0	1	2	3	16	53	56	10	2	0	0	0	0	0	0	143	43	39	
20:00	0	0	0	1	15	74	44	6	0	0	1	0	0	0	0	141	42	39	
21:00	0	0	0	3	12	35	51	13	0	0	0	0	0	0	0	114	43	40	
22:00	0	0	0	2	9	30	54	12	0	0	0	0	0	0	0	107	43	40	
23:00	0	0	0	0	4	28	23	7	2	0	0	0	0	0	0	64	43	40	
Total	2	29	56	112	526	1708	1540	340	34	3	3	0	0	0	0	4353			
%	0.0%	0.7%	1.3%	2.6%	12.1%	39.2%	35.4%	7.8%	0.8%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%				
AM Peak Vol.	11:00	08:00	09:00	10:00	11:00	11:00	10:00	09:00	09:00	03:00	06:00					11:00			
PM Peak Vol.	1	3	5	10	38	113	111	31	7	1	1					289			

Stats                    15th Percentile : 33 MPH  
                       50th Percentile : 38 MPH  
                       85th Percentile : 43 MPH  
                       95th Percentile : 46 MPH

Mean Speed(Average) : 38 MPH  
 10 MPH Pace Speed : 35-44 MPH  
 Number in Pace : 3248  
 Percent in Pace : 74.6%  
 Number of Vehicles > 30 MPH : 4049  
 Percent of Vehicles > 30 MPH : 93.0%



## Appendix B

---

### Turning Movement Counts



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 C  
Site Code : TBA  
Start Date : 10/13/2016  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
04:00 PM	0	0	2	0	0	175	34	0	23	0	8	0	4	129	0	0	375
04:15 PM	0	0	0	0	0	216	40	0	20	0	11	0	12	147	0	0	446
04:30 PM	0	0	1	0	0	254	43	0	28	0	12	0	7	141	2	0	488
04:45 PM	2	0	0	0	2	229	36	1	40	0	30	0	7	142	0	0	489
Total	2	0	3	0	2	874	153	1	111	0	61	0	30	559	2	0	1798
05:00 PM	2	0	0	0	0	253	49	0	36	0	17	0	7	141	0	0	505
05:15 PM	0	0	2	0	2	223	48	0	29	0	9	0	8	156	0	0	477
05:30 PM	1	0	1	0	0	250	47	0	41	0	19	0	11	145	0	0	515
05:45 PM	0	0	1	0	0	233	37	0	37	0	7	0	8	122	0	0	445
Total	3	0	4	0	2	959	181	0	143	0	52	0	34	564	0	0	1942
Grand Total	5	0	7	0	4	1833	334	1	254	0	113	0	64	1123	2	0	3740
Apprch %	41.7	0	58.3	0	0.2	84.4	15.4	0	69.2	0	30.8	0	5.4	94.4	0.2	0	
Total %	0.1	0	0.2	0	0.1	49	8.9	0	6.8	0	3	0	1.7	30	0.1	0	
Cars	3	0	7	0	4	1792	331	1	249	0	105	0	60	1100	0	0	3652
% Cars	60	0	100	0	100	97.8	99.1	100	98	0	92.9	0	93.8	98	0	0	97.6
Heavy Vehicles	2	0	0	0	0	41	3	0	5	0	8	0	4	23	2	0	88
% Heavy Vehicles	40	0	0	0	0	2.2	0.9	0	2	0	7.1	0	6.2	2	100	0	2.4

	TI Sales Driveway From North					Hudson Road (Route 27) From East					Peakham Road From South					Hudson Road (Route 27) From West					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	2	0	0	0	2	2	229	36	1	268	40	0	30	0	70	7	142	0	0	149	489
05:00 PM	2	0	0	0	2	0	253	49	0	302	36	0	17	0	53	7	141	0	0	148	505
05:15 PM	0	0	2	0	2	2	223	48	0	273	29	0	9	0	38	8	156	0	0	164	477
05:30 PM	1	0	1	0	2	0	250	47	0	297	41	0	19	0	60	11	145	0	0	156	515
Total Volume	5	0	3	0	8	4	955	180	1	1140	146	0	75	0	221	33	584	0	0	617	1986
% App. Total	62.5	0	37.5	0	0.4	83.8	15.8	0.1	66.1	0	33.9	0	5.3	94.7	0	0					
PHF	.625	.000	.375	.000	1.00	.500	.944	.918	.250	.944	.890	.000	.625	.000	.789	.750	.936	.000	.000	.941	.964
Cars	3	0	3	0	6	4	936	179	1	1120	144	0	71	0	215	31	574	0	0	605	1946
% Cars	60.0	0	100	0	75.0	100	98.0	99.4	100	98.2	98.6	0	94.7	0	97.3	93.9	98.3	0	0	98.1	98.0
Heavy Vehicles	2	0	0	0	2	0	19	1	0	20	2	0	4	0	6	2	10	0	0	12	40
% Heavy Vehicles	40.0	0	0	0	25.0	0	2.0	0.6	0	1.8	1.4	0	5.3	0	2.7	6.1	1.7	0	0	1.9	2.0



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdilc.com

N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 C  
Site Code : TBA  
Start Date : 10/13/2016  
Page No : 1

	Groups Printed- Cars																
	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
04:00 PM	0	0	2	0	0	171	33	0	20	0	7	0	4	119	0	0	356
04:15 PM	0	0	0	0	0	209	39	0	20	0	11	0	11	146	0	0	436
04:30 PM	0	0	1	0	0	247	43	0	28	0	11	0	7	141	0	0	478
04:45 PM	1	0	0	0	2	220	36	1	39	0	26	0	6	139	0	0	470
Total	1	0	3	0	2	847	151	1	107	0	55	0	28	545	0	0	1740
05:00 PM	1	0	0	0	0	251	48	0	36	0	17	0	6	140	0	0	499
05:15 PM	0	0	2	0	2	219	48	0	28	0	9	0	8	154	0	0	470
05:30 PM	1	0	1	0	0	246	47	0	41	0	19	0	11	141	0	0	507
05:45 PM	0	0	1	0	0	229	37	0	37	0	5	0	7	120	0	0	436
Total	2	0	4	0	2	945	180	0	142	0	50	0	32	555	0	0	1912
Grand Total	3	0	7	0	4	1792	331	1	249	0	105	0	60	1100	0	0	3652
Apprch %	30	0	70	0	0.2	84.2	15.6	0	70.3	0	29.7	0	5.2	94.8	0	0	
Total %	0.1	0	0.2	0	0.1	49.1	9.1	0	6.8	0	2.9	0	1.6	30.1	0	0	

	TI Sales Driveway From North					Hudson Road (Route 27) From East					Peakham Road From South					Hudson Road (Route 27) From West					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	1	0	0	0	1	2	220	36	1	259	39	0	26	0	65	6	139	0	0	145	470
05:00 PM	1	0	0	0	1	0	251	48	0	299	36	0	17	0	53	6	140	0	0	146	499
05:15 PM	0	0	2	0	2	2	219	48	0	269	28	0	9	0	37	8	154	0	0	162	470
05:30 PM	1	0	1	0	2	0	246	47	0	293	41	0	19	0	60	11	141	0	0	152	507
Total Volume	3	0	3	0	6	4	936	179	1	1120	144	0	71	0	215	31	574	0	0	605	1946
% App. Total	50	0	50	0		0.4	83.6	16	0.1		67	0	33	0		5.1	94.9	0	0		
PHF	.750	.000	.375	.000	.750	.500	.932	.932	.250	.936	.878	.000	.683	.000	.827	.705	.932	.000	.000	.934	.960



PRECISION  
DATA  
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N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 C  
Site Code : TBA  
Start Date : 10/13/2016  
Page No : 1

Groups Printed- Heavy Vehicles

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
04:00 PM	0	0	0	0	0	4	1	0	3	0	1	0	0	10	0	0	19
04:15 PM	0	0	0	0	0	7	1	0	0	0	0	0	1	1	0	0	10
04:30 PM	0	0	0	0	0	7	0	0	0	0	1	0	0	0	2	0	10
04:45 PM	1	0	0	0	0	9	0	0	1	0	4	0	1	3	0	0	19
Total	1	0	0	0	0	27	2	0	4	0	6	0	2	14	2	0	58
05:00 PM	1	0	0	0	0	2	1	0	0	0	0	0	1	1	0	0	6
05:15 PM	0	0	0	0	0	4	0	0	1	0	0	0	0	2	0	0	7
05:30 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	8
05:45 PM	0	0	0	0	0	4	0	0	0	0	2	0	1	2	0	0	9
Total	1	0	0	0	0	14	1	0	1	0	2	0	2	9	0	0	30
Grand Total	2	0	0	0	0	41	3	0	5	0	8	0	4	23	2	0	88
Apprch %	100	0	0	0	0	93.2	6.8	0	38.5	0	61.5	0	13.8	79.3	6.9	0	
Total %	2.3	0	0	0	0	46.6	3.4	0	5.7	0	9.1	0	4.5	26.1	2.3	0	

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM	0	0	0	0	0	0	4	1	0	5	3	0	1	0	4	0	10	0	0	10	19
04:00 PM	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	1	1	0	0	2	10
04:15 PM	0	0	0	0	0	0	7	0	0	7	0	0	1	0	1	0	0	2	0	2	10
04:30 PM	0	0	0	0	0	0	7	0	0	7	0	0	1	0	1	0	0	2	0	2	10
04:45 PM	1	0	0	0	1	0	9	0	0	9	1	0	4	0	5	1	3	0	0	4	19
Total Volume	1	0	0	0	1	0	27	2	0	29	4	0	6	0	10	2	14	2	0	18	58
% App. Total	100	0	0	0	0	0	93.1	6.9	0	40	0	60	0	0	11.1	77.8	11.1	0	0		
PHF	.250	.000	.000	.000	.250	.000	.750	.500	.000	.806	.333	.000	.375	.000	.500	.500	.350	.250	.000	.450	.763



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
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N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 C  
Site Code : TBA  
Start Date : 10/13/2016  
Page No : 1

Groups Printed- Peds and Bicycles

Start Time	TI Sales Driveway From North					Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West							
	Right	Thru	Left	Peds EB	Peds WB	Right	Thru	Left	Peds SB	Peds NB	Right	Thru	Left	Peds WB	Peds EB	Right	Thru	Left	Peds NB	Peds SB	Int. Total
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	4	0	9
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	0	4	0	10
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	3
Grand Total	0	0	0	0	0	0	0	1	0	0	0	0	0	6	0	1	1	0	4	0	13
Apprch %	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0	16.7	16.7	0	66.7	0	
Total %	0	0	0	0	0	0	0	7.7	0	0	0	0	0	46.2	0	7.7	7.7	0	30.8	0	

Start Time	TI Sales Driveway From North					Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West											
	Right	Thru	Left	Peds EB	Peds WB	App. Total	Right	Thru	Left	Peds SB	Peds NB	App. Total	Right	Thru	Left	Peds WB	Peds EB	App. Total	Right	Thru	Left	Peds NB	Peds SB	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 04:00 PM																									
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	4	0	4	9	
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	1	0	4	0	5	10		
% App. Total	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	20	0	80	0					
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.000	.313	.278



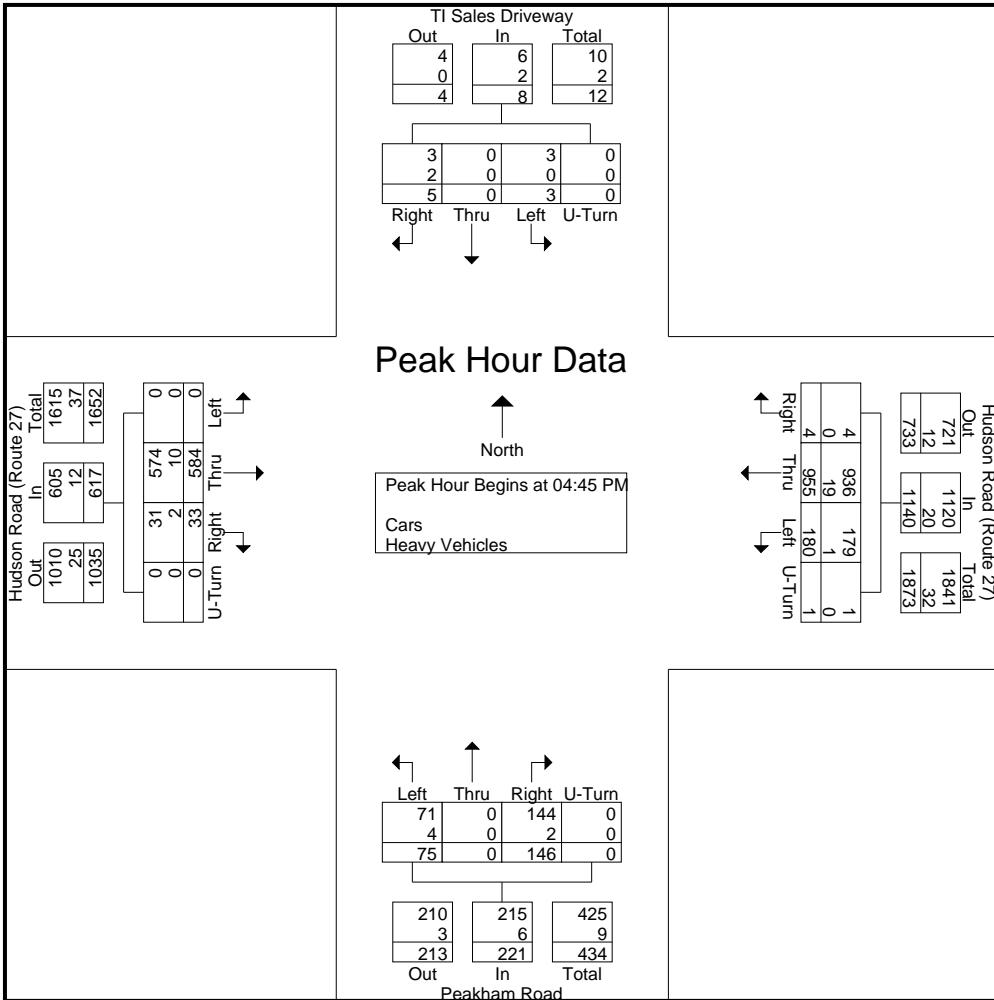
PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
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N/S: TI Sales Driveway/ Peakham Road  
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City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 C  
Site Code : TBA  
Start Date : 10/13/2016  
Page No : 1

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
04:45 PM	2	0	0	0	2	2	229	36	1	268	40	0	30	0	70	7	142	0	0	149	489
05:00 PM	2	0	0	0	2	0	253	49	0	302	36	0	17	0	53	7	141	0	0	148	505
05:15 PM	0	0	2	0	2	2	223	48	0	273	29	0	9	0	38	8	156	0	0	164	477
05:30 PM	1	0	1	0	2	0	250	47	0	297	41	0	19	0	60	11	145	0	0	156	515
Total Volume	5	0	3	0	8	4	955	180	1	1140	146	0	75	0	221	33	584	0	0	617	1986
% App. Total	62.5	0	37.5	0	0	0.4	83.8	15.8	0.1	66.1	0	33.9	0	5.3	94.7	0	0	0	0	0	.964
PHF	.625	.000	.375	.000	1.00	.500	.944	.918	.250	.944	.890	.000	.625	.000	.789	.750	.936	.000	.000	.941	.964
Cars	3	0	3	0	6	4	936	179	1	1120	144	0	71	0	215	31	574	0	0	605	1946
% Cars	60.0	0	100	0	75.0	100	98.0	99.4	100	98.2	98.6	0	94.7	0	97.3	93.9	98.3	0	0	98.1	98.0
Heavy Vehicles	2	0	0	0	2	0	19	1	0	20	2	0	4	0	6	2	10	0	0	12	40
% Heavy Vehicles	40.0	0	0	0	25.0	0	2.0	0.6	0	1.8	1.4	0	5.3	0	2.7	6.1	1.7	0	0	1.9	2.0





N/S: TI Sales Driveway/ Peakham Road  
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File Name : 165313 CC  
Site Code : TBA  
Start Date : 10/15/2016  
Page No : 1

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
10:00 AM	0	0	0	0	0	164	13	0	25	0	6	0	7	143	0	0	358
10:15 AM	0	0	0	0	0	149	10	1	21	0	6	0	5	156	0	0	348
10:30 AM	0	0	0	0	0	155	22	0	12	0	8	0	5	170	0	0	372
10:45 AM	1	0	0	0	0	166	21	0	29	0	12	0	7	166	0	0	402
Total	1	0	0	0	0	634	66	1	87	0	32	0	24	635	0	0	1480
11:00 AM	0	0	0	0	0	186	18	0	25	0	8	0	8	139	0	0	384
11:15 AM	0	0	0	0	0	199	14	0	25	0	10	0	8	181	0	0	437
11:30 AM	0	0	0	0	0	186	14	0	30	0	10	0	11	152	0	0	403
11:45 AM	0	0	0	0	0	169	23	1	32	0	9	0	5	180	0	0	419
Total	0	0	0	0	0	740	69	1	112	0	37	0	32	652	0	0	1643
12:00 PM	0	0	0	0	0	197	18	0	21	0	7	0	6	173	0	0	422
12:15 PM	0	0	0	0	0	210	21	0	21	0	14	0	11	178	0	0	455
12:30 PM	0	0	0	0	0	200	22	0	21	0	4	0	12	159	0	0	418
12:45 PM	0	0	0	0	0	175	27	0	22	0	11	0	10	174	0	0	419
Total	0	0	0	0	0	782	88	0	85	0	36	0	39	684	0	0	1714
01:00 PM	0	0	0	0	0	215	17	0	17	0	7	0	9	128	0	0	393
01:15 PM	0	0	0	0	0	211	17	0	15	0	5	0	7	175	0	0	430
01:30 PM	0	0	0	0	0	195	28	1	25	0	8	0	8	160	0	0	425
01:45 PM	0	0	0	0	0	182	21	0	29	0	9	0	13	167	0	0	421
Total	0	0	0	0	0	803	83	1	86	0	29	0	37	630	0	0	1669
Grand Total	1	0	0	0	0	2959	306	3	370	0	134	0	132	2601	0	0	6506
Apprch %	100	0	0	0	0	90.5	9.4	0.1	73.4	0	26.6	0	4.8	95.2	0	0	
Total %	0	0	0	0	0	45.5	4.7	0	5.7	0	2.1	0	2	40	0	0	
Cars	1	0	0	0	0	2912	303	3	367	0	130	0	128	2560	0	0	6404
% Cars	100	0	0	0	0	98.4	99	100	99.2	0	97	0	97	98.4	0	0	98.4
Heavy Vehicles	0	0	0	0	0	47	3	0	3	0	4	0	4	41	0	0	102
% Heavy Vehicles	0	0	0	0	0	1.6	1	0	0.8	0	3	0	3	1.6	0	0	1.6

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	0	0	0	0	0	169	23	1	193	32	0	9	0	41	5	180	0	0	185	419
12:00 PM	0	0	0	0	0	0	197	18	0	215	21	0	7	0	28	6	173	0	0	179	422
12:15 PM	0	0	0	0	0	0	210	21	0	231	21	0	14	0	35	11	178	0	0	189	455
12:30 PM	0	0	0	0	0	0	200	22	0	222	21	0	4	0	25	12	159	0	0	171	418
Total Volume	0	0	0	0	0	0	776	84	1	861	95	0	34	0	129	34	690	0	0	724	1714
% App. Total	0	0	0	0	0	0	90.1	9.8	0.1	73.6	0	26.4	0	4.7	95.3	0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.924	.913	.250	.932	.742	.000	.607	.000	.787	.708	.958	.000	.000	.958	.942
Cars	0	0	0	0	0	0	767	84	1	852	94	0	33	0	127	34	680	0	0	714	1693
% Cars	0	0	0	0	0	0	98.8	100	100	99.0	98.9	0	97.1	0	98.4	100	98.6	0	0	98.6	98.8
Heavy Vehicles	0	0	0	0	0	0	9	0	0	9	1	0	1	0	2	0	10	0	0	10	21
% Heavy Vehicles	0	0	0	0	0	0	1.2	0	0	1.0	1.1	0	2.9	0	1.6	0	1.4	0	0	1.4	1.2



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 CC  
Site Code : TBA  
Start Date : 10/15/2016  
Page No : 1

Groups Printed- Cars

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
10:00 AM	0	0	0	0	0	159	12	0	25	0	6	0	7	140	0	0	349
10:15 AM	0	0	0	0	0	145	10	1	21	0	6	0	4	151	0	0	338
10:30 AM	0	0	0	0	0	154	22	0	11	0	7	0	5	167	0	0	366
10:45 AM	1	0	0	0	0	164	21	0	29	0	11	0	7	164	0	0	397
Total	1	0	0	0	0	622	65	1	86	0	30	0	23	622	0	0	1450
11:00 AM	0	0	0	0	0	182	18	0	25	0	8	0	7	136	0	0	376
11:15 AM	0	0	0	0	0	193	14	0	25	0	10	0	7	177	0	0	426
11:30 AM	0	0	0	0	0	181	13	0	30	0	9	0	11	149	0	0	393
11:45 AM	0	0	0	0	0	168	23	1	31	0	8	0	5	178	0	0	414
Total	0	0	0	0	0	724	68	1	111	0	35	0	30	640	0	0	1609
12:00 PM	0	0	0	0	0	196	18	0	21	0	7	0	6	171	0	0	419
12:15 PM	0	0	0	0	0	206	21	0	21	0	14	0	11	177	0	0	450
12:30 PM	0	0	0	0	0	197	22	0	21	0	4	0	12	154	0	0	410
12:45 PM	0	0	0	0	0	172	27	0	22	0	11	0	9	171	0	0	412
Total	0	0	0	0	0	771	88	0	85	0	36	0	38	673	0	0	1691
01:00 PM	0	0	0	0	0	213	16	0	16	0	7	0	9	126	0	0	387
01:15 PM	0	0	0	0	0	211	17	0	15	0	5	0	7	173	0	0	428
01:30 PM	0	0	0	0	0	193	28	1	25	0	8	0	8	160	0	0	423
01:45 PM	0	0	0	0	0	178	21	0	29	0	9	0	13	166	0	0	416
Total	0	0	0	0	0	795	82	1	85	0	29	0	37	625	0	0	1654
Grand Total	1	0	0	0	0	2912	303	3	367	0	130	0	128	2560	0	0	6404
Apprch %	100	0	0	0	0	90.5	9.4	0.1	73.8	0	26.2	0	4.8	95.2	0	0	
Total %	0	0	0	0	0	45.5	4.7	0	5.7	0	2	0	2	40	0	0	

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				Int. Total				
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total					
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total					
11:45 AM	0	0	0	0	0	0	168	23	1	192	31	0	8	0	39	5	178	0	0	183	414
12:00 PM	0	0	0	0	0	0	196	18	0	214	21	0	7	0	28	6	171	0	0	177	419
12:15 PM	0	0	0	0	0	0	206	21	0	227	21	0	14	0	35	11	177	0	0	188	450
12:30 PM	0	0	0	0	0	0	197	22	0	219	21	0	4	0	25	12	154	0	0	166	410
Total Volume	0	0	0	0	0	0	767	84	1	852	94	0	33	0	127	34	680	0	0	714	1693
% App. Total	0	0	0	0	0	0	90	9.9	0.1	74	0	26	0	4.8	95.2	0	0				
PHF	.000	.000	.000	.000	.000	.000	.931	.913	.250	.938	.758	.000	.589	.000	.814	.708	.955	.000	.000	.949	.941



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 CC  
Site Code : TBA  
Start Date : 10/15/2016  
Page No : 1

Groups Printed- Heavy Vehicles

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West				
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Int. Total
10:00 AM	0	0	0	0	0	5	1	0	0	0	0	0	0	3	0	0	9
10:15 AM	0	0	0	0	0	4	0	0	0	0	0	0	1	5	0	0	10
10:30 AM	0	0	0	0	0	1	0	0	1	0	1	0	0	3	0	0	6
10:45 AM	0	0	0	0	0	2	0	0	0	0	1	0	0	2	0	0	5
Total	0	0	0	0	0	12	1	0	1	0	2	0	1	13	0	0	30
11:00 AM	0	0	0	0	0	4	0	0	0	0	0	0	1	3	0	0	8
11:15 AM	0	0	0	0	0	6	0	0	0	0	0	0	1	4	0	0	11
11:30 AM	0	0	0	0	0	5	1	0	0	0	1	0	0	3	0	0	10
11:45 AM	0	0	0	0	0	1	0	0	1	0	1	0	0	2	0	0	5
Total	0	0	0	0	0	16	1	0	1	0	2	0	2	12	0	0	34
12:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	3
12:15 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	5
12:30 PM	0	0	0	0	0	3	0	0	0	0	0	0	0	5	0	0	8
12:45 PM	0	0	0	0	0	3	0	0	0	0	0	0	1	3	0	0	7
Total	0	0	0	0	0	11	0	0	0	0	0	0	1	11	0	0	23
01:00 PM	0	0	0	0	0	2	1	0	1	0	0	0	0	2	0	0	6
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
01:30 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:45 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	0	5
Total	0	0	0	0	0	8	1	0	1	0	0	0	0	5	0	0	15
Grand Total	0	0	0	0	0	47	3	0	3	0	4	0	4	41	0	0	102
Apprch %	0	0	0	0	0	94	6	0	42.9	0	57.1	0	8.9	91.1	0	0	
Total %	0	0	0	0	0	46.1	2.9	0	2.9	0	3.9	0	3.9	40.2	0	0	

	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 10:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	2	0	0	2	5
10:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	2	0	0	2	8
11:00 AM	0	0	0	0	0	4	0	0	4	0	0	0	0	1	3	0	0	4	0	0	11
11:15 AM	0	0	0	0	0	6	0	0	6	0	0	0	0	1	4	0	0	5	0	0	10
11:30 AM	0	0	0	0	0	5	1	0	6	0	0	1	0	0	3	0	0	0	0	3	34
Total Volume	0	0	0	0	0	17	1	0	18	0	0	2	0	2	12	0	0	14	0	0	.773
% App. Total	0	0	0	0	0	94.4	5.6	0	0	100	0	0	14.3	85.7	0	0	0	0	0	0	
PHF	.000	.000	.000	.000	.000	.708	.250	.000	.750	.000	.000	.500	.000	.500	.500	.750	.000	.000	.700	.000	



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
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Email: datarequests@pdillc.com

N/S: TI Sales Driveway/ Peakham Road  
E/W: Hudson Road (Route 27)  
City, State: Sudbury, MA  
Client: VHB/ K. Wenners

File Name : 165313 CC  
Site Code : TBA  
Start Date : 10/15/2016  
Page No : 1

	TI Sales Driveway From North					Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	Peds EB	Peds WB	Right	Thru	Left	Peds SB	Peds NB	Right	Thru	Left	Peds WB	Peds EB	Right	Thru	Left	Peds NB	Peds SB	Int. Total	
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	
10:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	2	0	0	0	6	
10:45 AM	0	0	0	0	0	0	2	2	0	0	0	0	0	3	0	0	0	0	0	0	7	
Total	0	0	0	0	0	0	2	2	0	0	1	0	2	5	3	0	4	0	0	0	19	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	
11:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	4	
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1	6	0	1	0	0	0	9	
12:00 PM	0	0	0	0	0	0	1	0	1	0	0	0	0	2	2	0	0	0	0	0	6	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0	8	
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	1	0	1	0	0	0	0	7	7	0	0	0	0	0	16	
01:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	0	0	2	0	7	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	
01:30 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	5	5	0	0	0	0	12	
01:45 PM	0	0	0	0	0	0	0	2	0	0	0	0	0	0	7	0	0	0	0	0	9	
Total	0	0	0	0	0	0	0	4	0	0	0	1	0	0	16	8	0	0	0	2	0	31
Grand Total	0	0	0	0	0	0	7	3	1	0	2	0	2	29	24	0	5	0	2	0	75	
Apprch %	0	0	0	0	0	0	63.6	27.3	9.1	0	3.5	0	3.5	50.9	42.1	0	71.4	0	28.6	0		
Total %	0	0	0	0	0	0	9.3	4	1.3	0	2.7	0	2.7	38.7	32	0	6.7	0	2.7	0		

	TI Sales Driveway From North					Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West											
Start Time	Right	Thru	Left	Peds EB	Peds WB	App. Total	Right	Thru	Left	Peds SB	Peds NB	App. Total	Right	Thru	Left	Peds WB	Peds EB	App. Total	Right	Thru	Left	Peds NB	Peds SB	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 01:00 PM																									
01:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	3	4	0	0	0	2	0	2	0	2	7
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	3
01:30 PM	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	5	5	11	0	0	0	0	0	0	12
01:45 PM	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	7	0	7	0	0	0	0	0	0	9
Total Volume	0	0	0	0	0	0	0	4	0	0	0	4	1	0	0	16	8	25	0	0	0	2	0	2	31
% App. Total	0	0	0	0	0	0	100	0	0	0	4	0	0	64	32	0	0	0	100	0	0	2.7	0	2.7	0
PHF	.000	.000	.000	.000	.000	.000	.000	.500	.000	.000	.000	.500	.250	.000	.000	.571	.400	.568	.000	.000	.000	.250	.000	.250	.646



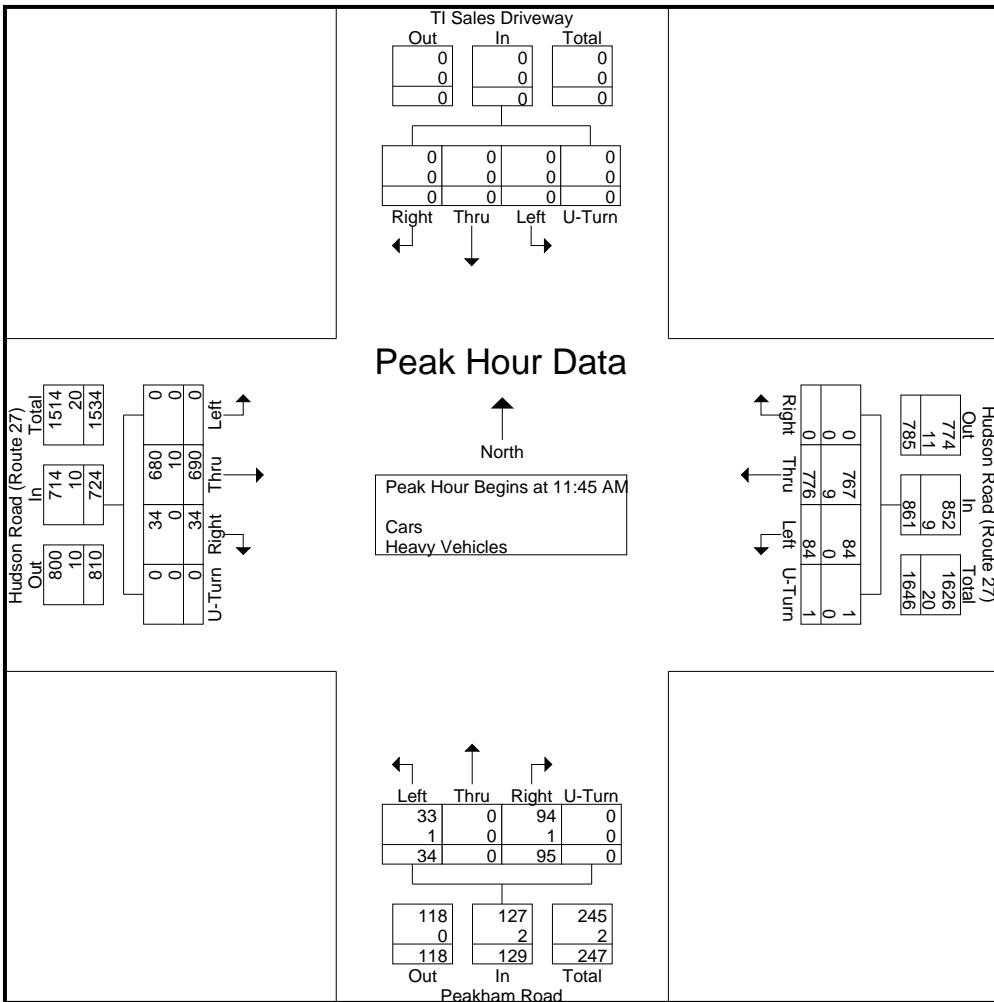
PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
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N/S: TI Sales Driveway/ Peakham Road  
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File Name : 165313 CC  
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	TI Sales Driveway From North				Hudson Road (Route 27) From East				Peakham Road From South				Hudson Road (Route 27) From West								
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	0	0	0	0	0	169	23	1	193	32	0	9	0	41	5	180	0	0	185	419
12:00 PM	0	0	0	0	0	0	197	18	0	215	21	0	7	0	28	6	173	0	0	179	422
12:15 PM	0	0	0	0	0	0	210	21	0	231	21	0	14	0	35	11	178	0	0	189	455
12:30 PM	0	0	0	0	0	0	200	22	0	222	21	0	4	0	25	12	159	0	0	171	418
Total Volume	0	0	0	0	0	0	776	84	1	861	95	0	34	0	129	34	690	0	0	724	1714
% App. Total	0	0	0	0	0	0	90.1	9.8	0.1		73.6	0	26.4	0		4.7	95.3	0	0		
PHF	.000	.000	.000	.000	.000	.000	.924	.913	.250	.932	.742	.000	.607	.000	.787	.708	.958	.000	.000	.958	.942
Cars	0	0	0	0	0	0	767	84	1	852	94	0	33	0	127	34	680	0	0	714	1693
% Cars	0	0	0	0	0	0	98.8	100	100	99.0	98.9	0	97.1	0	98.4	100	98.6	0	0	98.6	98.8
Heavy Vehicles	0	0	0	0	0	0	0	9	0	0	9	1	0	1	0	2	0	10	0	0	21
% Heavy Vehicles	0	0	0	0	0	0	0	1.2	0	0	1.0	1.1	0	2.9	0	1.6	0	1.4	0	0	1.2





# Appendix C

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## Special Speed Regulations

APRIL 9, 1993

TOWN CLERK  
SUDBURY, MASS  
92 NOV 19 PH 12:04

TOWN OF SUDBURY  
SPECIAL SPEED REGULATION # 7558

TOWN CLERK  
SUDBURY, MASS  
93 MAR 22 PH 2:00

Highway Location: Sudbury  
Authority In Control: Town of Sudbury  
Name of Highway (s): Morse Road, Mossman Road

In accordance with the provisions of Chapter 90, Section 18<sup>18</sup> of the General Laws (Ter. Ed.) as amended, the following Specials Speed Regulation is

Hereby Adopted  
by the Board of Selectmen  
of the Town of Sudbury

That the following speed limits are established at which motor vehicles may be operated in the areas described:

Morse Road - Eastbound

Beginning at Marlboro Road, thence easterly on Morse Road;

0.18 miles at 25 miles per hour  
0.41 miles at 20 miles per hour  
0.16 miles at 25 miles per hour  
0.23 miles at 20 miles per hour  
0.37 miles at 30 miles per hour

Ending at Concord Road, the total distance being 1.35 miles.

Morse Road - Westbound

BFRT x-ing in here

Beginning at ~~the~~ Concord Road thence westerly on Morse Road;

0.37 miles at 30 miles per hour  
0.23 miles at 20 miles per hour  
0.16 miles at 25 miles per hour  
0.41 miles at 20 miles per hour  
0.18 miles at 25 miles per hour

Ending at Marlboro Road, the total distance being 1.35 miles.

Mossman Road - Eastbound

Beginning at Powers Road, thence easterly on Mossman Road;

0.84 miles at 25 miles per hour  
0.32 miles at 20 miles per hour  
0.30 miles at 25 miles per hour

Ending at Marlboro Road, the total distance being 1.46 miles.

Mossman Road - Westbound

Beginning at a point 160' from Marlboro Road, thence westerly on Mossman Road;

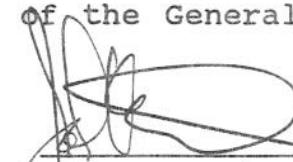
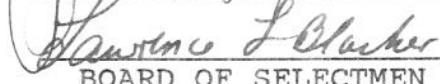
0.27 miles at 25 miles per hour  
0.32 miles at 20 miles per hour  
0.84 miles at 25 miles per hour

Ending at Powers Road, the total distance being 1.43 miles.

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Chapter 90, Section 14, of the General Laws (Ter. Ed.).

Date of Passage March 1, 1993

  
Judith A. Ger  
  
Lawrence L. Clarke  
BOARD OF SELECTMEN

Attest   
Jeanne M. MacKenzie  
TOWN CLERK

COMMONWEALTH OF MASSACHUSETTS  
HIGHWAY DEPARTMENT

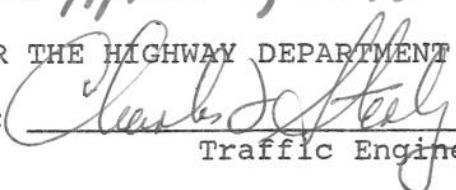
SPECIAL SPEED REGULATION NO. 7558

The Highway Department and the Registry of Motor Vehicles, acting jointly, do hereby certify that this regulation is consistent with the public interest.

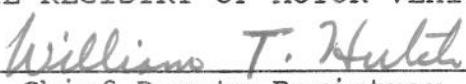
Standard signs must be erected at the beginning of each zone.

DATE: APRIL 9, 1993

FOR THE HIGHWAY DEPARTMENT

BY:   
Charles J. Kelly  
Traffic Engineer

FOR THE REGISTRY OF MOTOR VEHICLES

BY:   
William T. Hutch  
Chief Deputy Registrar

April 2, 1992

file

TOWN OF SUDBURY  
SPECIAL SPEED REGULATION # 7537

Highway Location: SUDBURY  
Authority In Control: TOWN OF SUDBURY  
Name of Highway (s): HAYNES ROAD AND POWDER MILL ROAD

In accordance with the provisions of Chapter 90, Section 18, of the General Laws (Ter. Ed.) as amended, the following Special Speed Regulation is

Hereby Adopted

by the Board of Selectmen  
of the Town of Sudbury

That the following speed limits are established at which motor vehicles may be operated in the areas described:

HAYNES ROAD - EASTBOUND

Beginning at a point 140' from Pantry Road  
Thence easterly on Haynes Road  
0.24 miles at 25 miles per hour  
0.11 miles at 20 miles per hour  
0.30 miles at 25 miles per hour  
0.46 miles at 30 miles per hour ending at North Road (Route 117);

The total distance being 1.11 miles.

BFRT x-ing in here

HAYNES ROAD - WESTBOUND

Beginning at a point 130' from Route 117  
Thence westerly on Haynes Road  
0.44 miles at 30 miles per hour  
0.30 miles at 25 miles per hour  
0.11 miles at 20 miles per hour  
0.25 miles at 25 miles per hour ending at Pantry Road;  
The total distance being 1.10 miles.

POWDER MILL ROAD - NORTHBOUND

Beginning at Route 117  
Thence northerly on Powder Mill Road  
0.86 miles at 30 miles per hour ending at the Maynard Town Line;  
The total distance being 0.86 miles.

April 2, 1992

DEPARTMENT OF  
TRANSPORTATION  
SUDSBURY, MASS.

1992 FEB 19 PM 2:32

-2-

POWDER MILL ROAD - SOUTHBOUND

Beginning at the Maynard Town Line  
Thence southerly on Powder Mill Road  
0.86 miles at 30 miles per hour ending at Route 117;  
The total distance being 0.86 miles.

1992 FEB 19 AM 2:32

1992 FEB 19 AM 2:32

-3-

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Chapter 90, Section 14, of the General Laws (Ter. Ed.).

Date of Passage \_\_\_\_\_

Dowell Wallace  
Chair  
Smith & Co  
BOARD OF SELECTMEN

Attest Jean M. MacKenzie  
TOWN CLERK

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS

SPECIAL SPEED REGULATION NO. 7537

The Department of Public Works and the Registrar of Motor Vehicles, acting jointly, do hereby certify that this regulation is consistent with the public interest.

Standard signs must be erected at the beginning of each zone.

DATE: April 2, 1992

FOR THE DEPARTMENT OF PUBLIC WORKS

BY: Robert J. Spedding  
Traffic Engineer

FOR THE REGISTRY OF MOTOR VEHICLES

BY: William T. Hutch  
Chief Deputy Registrar

October 2, 1991

TOWN CLERK  
SUDBURY, MASS

*File Copy*

1991 JUL 25 PM 2:46

TOWN OF SUDBURY  
SPECIAL SPEED REGULATION NO. 7520

Highway Location: SUDBURY  
Authority In Control: TOWN OF SUDBURY  
Name of Highway: DAKIN ROAD & PANTRY ROAD

In accordance with the provisions of Chapter 90, Section 18, of the General Laws (Ter. Ed.) as amended, the following Special Speed Regulation is

hereby Adopted  
by the Board of Selectmen  
of the Town of Sudbury

That the following speed limits are established at which motor vehicles may be operated in the areas described:

DAKIN ROAD - NORTHBOUND

Beginning at North Road  
Thence northerly on Dakin Road  
0.24 miles at 25 miles per hour  
0.16 " " 20 " " "  
0.30 " " 25 " " " ending at the  
Concord Town Line; the total distance being 0.70 miles.

DAKIN ROAD - SOUTHBOUND

Beginning at the Concord Town Line  
Thence southerly on Dakin Road  
0.30 miles at 25 miles per hour  
0.16 " " 20 " " "  
0.24 " " 25 " " " ending at North  
Road; the total distance being 0.70 miles.

PANTRY ROAD - NORTHBOUND

Beginning at Concord Road  
Thence northerly on Pantry Road  
0.37 miles at 30 miles per hour  
0.42 " " 35 " " "  
0.07 " " 25 " " " ending at North  
Road; the total distance being 0.86 miles.

TOWN CLERK  
SUDSBURY, MASS

1991 JUL 25 PM 2:46

PANTRY ROAD - SOUTHBOUND

BFRT crossing in  
this zone

Beginning at North Road  
Thence southerly on Pantry Road  
0.49 miles at 35 miles per hour  
0.37 " " 30 " " " ending at Concord  
Road; the total distance being 0.86 miles.

Operation of a motor vehicle at a rate of speed in excess of  
these limits shall be prima facie evidence that such speed is  
greater than is reasonable and proper.

The provisions of this regulation shall not, however,  
abrogate in any sense Chapter 90, Section 14, of the General Laws  
(Ter. Ed).

Date of Passage August 12, 1991

Attest *James M. MacKenzie*  
Town Clerk

*David J. Wallace*  
*Judith A. Gia*  
Board of Selectmen

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS

SPECIAL SPEED REGULATION NO. 7520

The Department of Public Works and the Registrar of Motor  
Vehicles, acting jointly, do hereby certify that this regulation is  
consistent with the public interest.

Standard signs must be erected at the beginning of each zone.

DATE: October 2, 1991

FOR THE DEPARTMENT OF PUBLIC WORKS

BY:

*Ronald H. Shea*  
Traffic Engineer

FOR THE REGISTRAR OF MOTOR VEHICLES

BY: *William T. Hutch*  
Chief Deputy Registrar

June 11, 1990

File copy

TOWN OF SUDBURY  
SUDBURY, MASS

1990 MAY - 1 PM 3:48

TOWN OF SUDBURY  
SPECIAL SPEED REGULATION NO. 7478

Highway Location: SUDBURY

Authority In Control: TOWN OF SUDBURY

Name of Highway: OLD LANCASTER ROAD, NOBSCOT ROAD,  
GOODMAN HILL ROAD, PRATTS MILL RD.

In accordance with the provisions of Chapter 90, Section 18,  
of the General Laws (Ter. Ed.) as amended, the following Special  
Speed Regulation is

hereby Adopted

by the Board of Selectmen  
of the Town of Sudbury

That the following speed limits are established at which  
motor vehicles may be operated in the areas described:

OLD LANCASTER ROAD NORTHBOUND

BFRT x-ing in here

Beginning at Concord Road  
Thence northerly on Old Lancaster Road  
0.32 miles at 30 miles per hour  
0.33 " " 25 " " "  
0.51 " " 30 " " " ending at Hudson Road;  
the total distance being 1.16 miles.

OLD LANCASTER ROAD SOUTHBOUND

Beginning at Hudson Road  
Thence southerly on Old Lancaster Road  
0.51 miles at 30 miles per hour  
0.33 " " 25 " " "  
0.32 " " 30 " " " ending at Concord Road;  
the total distance being 1.16 miles.

ROUTE 20  
SUDbury, Mass

1990 MAY -1 PT 3:48

-2-

NOBSCOT ROAD NORTHBOUND

Beginning at the Framingham Town Line  
Thence northerly on Nobscot Road  
    1.08 miles at 35 miles per hour  
    0.09 " " 25 " " " ending at Route 20; the  
total distance being 1.17 miles.

NOBSCOT ROAD SOUTHBOUND

Beginning at Route 20  
Thence southerly on Nobscot Road  
    1.17 miles at 35 miles per hour ending at the  
Framingham Town Line; the total distance being 1.17 miles.

GOODMAN HILL ROAD NORTHBOUND

Beginning at a point 130' from Route 20  
Thence northerly on Goodman Hill Road  
    0.31 miles at 30 miles per hour  
    0.51 " " 25 " " "  
    0.73 " " 30 " " " ending at Concord Road;  
the total distance being 1.55 miles.

GOODMAN HILL ROAD SOUTHBOUND

Beginning at a point 150' from Concord Road  
Thence southerly on Goodman Hill Road  
    0.71 miles at 30 miles per hour  
    0.51 " " 25 " " "  
    0.34 " " 30 " " " ending at Route 20; the  
total distance being 1.56 miles.

PRATTS MILL ROAD WESTBOUND

Beginning at Dutton Road  
Thence easterly on Pratts Mill Road  
    0.80 miles at 30 miles per hour  
    0.24 " " 25 " " " ending at Horse Pond  
Road; the total distance being 1.04 miles.

TOWN CLERK  
SUDBURY, MASS.

- 3 -

1990 MAY -1 PM 3:48

PRATTS MILL ROAD WESTBOUND

Beginning at Horse Pond  
Thence westerly on Pratts Mill Road  
0.24 miles at 25 miles per hour  
0.80 " " 30 " " " ending at Dutton Road;  
the total distance being 1.04 miles.

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Chapter 90, Section 14, of the General Laws (Ter. Ed.).

Date of Passage May 14, 1990

Attest Jean M. MacKenzie  
Town Clerk

Judith A. Spee  
Paul C. Wall  
Board of Selectmen

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS

SPECIAL SPEED REGULATION NO. 7478

The Department of Public Works and the Registrar of Motor Vehicles, acting jointly, do hereby certify that this regulation is consistent with the public interests.

Standard signs must be erected at the beginning of each zone.

DATE: June 11, 1990

FOR THE DEPARTMENT OF PUBLIC WORKS

BY: Ronald D. Shue  
Traffic Engineer

FOR THE REGISTRY OF MOTOR VEHICLE

BY: William T. Hutch  
Chief Deputy Registrar

THE COMMONWEALTH OF MASSACHUSETTS  
HIGHWAY DEPARTMENT  
TOWN OF SUDBURY  
SPECIAL SPEED REGULATION #1085-A

Highway Location: SUDBURY  
Authority In Control: TOWN OF SUDBURY  
Name of Highway (s): ROUTE 117

In accordance with the provisions of Chapter 90, Section 18, of the General Laws (Ter. Ed.) as amended, the following Special Speed Regulation is

Hereby Adopted  
by the Board of Selectmen  
of the Town of Sudbury

Special Speed Regulation number 1085, dated January 25, 1976, is hereby amended by striking out the regulation in its entirety and inserting in place thereof the following revisions and addenda.

That the following speed limits are established at which motor vehicles may be operated in the areas described:

ROUTE 117 - EASTBOUND

Beginning at the Maynard Town Line, thence easterly on Route 117;

1.23 miles at 35 miles per hour  
1.68 miles at 40 miles per hour ending at the Concord Town Line; the total distance being 2.91 miles.

ROUTE 117 - WESTBOUND

Beginning at the Concord Town Line, thence westerly on Route 117;

1.68 miles at 40 miles per hour  
1.23 miles at 35 miles per hour ending at the Maynard Town Line; the total distance being 2.91 miles.

Rail crossing in this segment

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Chapter 90, Section 14, of the General Laws (Ter. Ed.).

Date of Passage SEPTEMBER 24, 1996

Laura S. Blodget  
Mayo L. Clark  
BOARD OF SELECTMEN

Attest Kathleen D. Middleton  
TOWN CLERK

COMMONWEALTH OF MASSACHUSETTS  
HIGHWAY DEPARTMENT

SPECIAL SPEED REGULATION NO.1085-A

The Highway Department and the Registry of Motor Vehicles, acting jointly, do hereby certify that this regulation is consistent with the public interest.

Standard signs must be erected at the beginning of each zone.

DATE: 11-15-96

FOR THE HIGHWAY DEPARTMENT

BY:

Bob J. Kelly  
Traffic Engineer

FOR THE REGISTRY OF MOTOR VEHICLES  
BY: Robert P. McDonnell  
Chief Deputy Registrar

December 12, 1975

TOWN OF SUDBURY  
SPECIAL SPEED REGULATION NO. 241-A

Sullivan

Highway Location: SUDBURY

Authority In Control: TOWN OF SUDBURY

Name of Highway: ROUTE 27  
UNION AVENUE  
HUDSON ROAD  
CONCORD ROAD

In accordance with the provisions of Chapter 90, Section 18, of the General Laws (Ter. Ed.) as amended, the following Special Speed Regulation is

hereby Adopted

by the Board of Selectmen

of the Town of Sudbury

Special Speed Regulation number 241 dated November 13, 1962 is hereby amended by striking out the Regulation in its entirety and inserting in place thereof the following revision and addenda:

That the following speed limits are established at which motor vehicles may be operated in the areas described:

ROUTE 27-NORTHBOUND

Beginning at the Wayland Town Line  
Thence northerly on Route 27

Just north of  
Wolbach Rd

0.30 miles at 45 miles per hour  
0.74 " " 40 " " "  
0.78 " " 30 " " "  
0.53 " " 40 " " "  
1.42 " " 35 " " "

ending at the Maynard Town Line; the total distance being 3.77 miles.

ROUTE 27-SOUTHBOUND

Beginning at the Maynard Town Line  
Thence southerly on Route 27

Town Center is in  
the middle of this  
zone

1.42 miles at 35 miles per hour  
0.53 " " 40 " " "  
0.78 " " 30 " " "  
0.74 " " 40 " " "  
0.30 " " 45 " " "

ending at the Wayland Town Line; the total distance being 3.77 miles.

UNION AVENUE-NORTHBOUND

Beginning at Route 20  
 Thence northerly on Union Avenue  
 0.47 miles at 30 miles per hour  
 0.37 " " 40 " " "  
 0.09 " " 30 " " " ending at Concord  
 Road; the total distance being 0.93 miles.

UNION AVENUE-SOUTHBOUND

Beginning at Concord Road  
 Thence southerly on Union Avenue  
 0.09 miles at 30 miles per hour  
 0.37 " " 40 " " "  
 0.47 " " 30 " " " ending at Route 20;  
 the total distance being 0.93 miles.

HUDSON ROAD-EASTBOUND

Beginning at the Stow Town Line                    0.16 et 30  
 Thence easterly on Hudson Road  
 0.20 miles at 30 miles per hour  
 2.13 " " 35 " " "  
 0.45 " " 40 " " "  
 0.05 " " 30 " " " ending at Route 27;  
 the total distance being 2.83 miles.

HUDSON ROAD-WESTBOUND

Beginning 250 feet west of Route 27  
 Thence westerly on Hudson Road  
 0.45 miles at 40 miles per hour  
 2.13 " " 35 " " "  
 0.20 " " 30 " " " ending at the Stow  
 Town Line; the total distance being 2.78 miles.

CONCORD ROAD-NORTHBOUND

Beginning at Route 20  
 Thence northerly on Concord Road  
 0.13 miles at 30 miles per hour  
 0.58 " " 35 " " "  
 0.13 " " 30 " " "  
 0.48 " " 35 " " "  
 0.19 " " 25 " " "  
 1.21 " " 35 " " "  
 0.51 " " 40 " " "  
 0.37 " " 25 " " "  
 0.36 " " 35 " " "  
 0.31 " " 40 " " "  
 0.60 " " 30 " " "  
 0.32 " " 35 " " " ending at the Concord  
 Town Line; the total distance being 5.19 miles.

CONCORD ROAD-SOUTHBOUND

Beginning at the Concord Town Line  
Thence southerly on Concord Road

0.32	miles at	35	miles per hour
0.60	"	30	"
0.31	"	40	"
0.36	"	35	"
0.37	"	25	"
0.51	"	40	"
1.21	"	35	"
0.19	"	25	"
0.48	"	35	"
0.13	"	30	"
0.58	"	35	"
0.13	"	30	"

ending at Route 20;  
the total distance being 5.19 miles.

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Chapter 90, Section 14, of the General Laws (Ter. Ed).

Date of Passage May 3 1975

John E. Loft

William J. O'Conor

John C. Powers

Attest Sister M. Powers  
Town Clerk

Board of Selectmen

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS

#### SPECIAL SPEED REGULATION NO. 241-A

The Department of Public Works and the Registrar of Motor Vehicles, acting jointly, do hereby certify that this regulation is consistent with the public interests.

Standard signs must be erected at the beginning of each zone.

DATE: December 12, 1975

FOR THE DEPARTMENT OF PUBLIC WORKS

BY: L. A. Perkins  
Traffic Engineer

Robert A. Powers  
Registrar of Motor Vehicles



## Appendix D

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Crash Data

## Old Lancaster Road (2012-2014)

<b>Crash Date</b>	<b>Crash Time</b>	<b>Crash Severity</b>	<b>Maximum Injury Severity Reported</b>	<b>Number of NonFatal</b>	<b>Number of Fatal Injuries</b>	<b>Number of Vehicles</b>	<b>Manner of Collision</b>	<b>Vehicle Action Prior to Crash</b>	<b>Vehicle Travel Directions</b>	<b>First Harmful Event</b>	<b>Driver Contributing Codes</b>	<b>Road Surface</b>	<b>Ambient Light</b>
6/17/2013	5:30 PM	Property damage only (none injured)	No injury	0	0	1	Single vehicle crash	V1: Travelling straight ahead	V1:W	Collision with tree	D1:(No improper driving)	Wet	Daylight

## Hudson Road (2012-2014)

Crash Date	Crash Time	Crash Severity	Number of NonFatal Injuries	Number of Fatal Injuries	Number of Vehicles	Manner of Collision	Vehicle Action Prior to Crash	Vehicle Travel Directions	First Harmful Event	Driver Contributing Codes	Road Surface	Ambient Light
6/4/2012	4:18 PM	Property damage only (none injured)	0	0	3	Rear-end	V1: Travelling straight ahead / V2: Travelling straight ahead / V3: Travelling straight ahead	V1:W / V2:W / V3:W	Collision with motor vehicle in traffic	D1:(Inattention) D2:(Inattention) D3:()	Wet	Daylight
6/14/2012	1:21 PM	Non-fatal injury	1	0	2	Sideswipe, opposite direction	V1: Travelling straight ahead / V2: Travelling straight ahead	V1:W / V2:E	Collision with motor vehicle in traffic	D1:(No improper driving),(No improper driving) D2:(Failure to keep in proper lane or running off road),(Failure to keep in proper lane or running off road)	Dry	Daylight
6/21/2012	10:00 AM	Non-fatal injury	1	0	1	Angle	V1: Turning right	V1:W	Collision with pedalcycle (bicycle,	D1:(Failed to yield right of way)	Dry	Daylight
12/7/2012	5:36 PM	Property damage only (none injured)	0	0	2	Sideswipe, opposite direction	V1: Turning left / V2: Travelling straight ahead	V1:W / V2:E	Collision with motor vehicle in traffic	D1:(Failed to yield right of way) D2:(No improper driving)	Wet	Dark - lighted roadway
1/22/2013	7:27 AM	Non-fatal injury	2	0	2	Angle	V1: Travelling straight ahead / V2: Travelling straight ahead	V1:W / V2:N	Collision with motor vehicle in traffic	D1:(No improper driving) D2:(Failed to yield right of way)	Snow	Daylight
4/9/2014	2:25 PM	Property damage only (none injured)	0	0	2	Sideswipe, opposite direction	V1: Travelling straight ahead / V2: Travelling straight ahead	V1:E / V2:W	Collision with motor vehicle in traffic	D1:(Unknown) D2:(Unknown)	Dry	Daylight
9/6/2014	7:11 AM	Non-fatal injury	2	0	2	Head-on	V1: Travelling straight ahead / V2: Travelling straight ahead	V1:W / V2:E	Collision with parked motor vehicle	D1:(Driving too fast for conditions),(Illness) D2:(No improper driving)	Dry	Daylight
11/7/2014	2:27 AM	Non-fatal injury	1	0	1	Single vehicle crash	V1: Travelling straight ahead	V1:W	Collision with embankment	D1:(Exceeded authorized speed limit),(Failure to keep in proper lane or running off road)	Wet	Dark - lighted roadway

## Pantry Road (2012-2014)

Crash Date	Crash Time	Crash Severity	Number of NonFatal	Number of Fatal Injuries	Number of Vehicles	Manner of Collision	Vehicle Action Prior to Crash	Vehicle Travel Directions	First Harmful Event	Driver Contributing Codes	Road Surface	Ambient Light
11/5/2012	7:35 AM	Non-fatal injury	1	0	2	Head-on	V1: Travelling straight ahead / V2: Travelling straight ahead	V1:S / V2:N	Collision with motor vehicle in traffic	D1:(No improper driving) D2:(Wrong side or wrong)	Dry	Daylight
1/4/2014	10:22 AM	Property damage only (none injured)	0	0	1	Single vehicle crash	V1: Travelling straight ahead	V1:S	Collision with animal - deer	D1:(No improper driving),(No improper driving)	Dry	Daylight

## North Road (2012-2014)

Crash Date	Crash Time	Crash Severity	Maximum Injury Severity Reported	Number of Nonfatal Injuries	Number of Fatal Injuries	Number of Vehicles	Manner of Collision	Vehicle Action Prior to Crash	Vehicle Travel Directions	First Harmful Event	Driver Contributing Codes	Road Surface	Ambient Light
1/24/2013	5:01 PM	Property damage only (none injured)	No injury	0	0	2	Rear-end	V1: Travelling straight ahead / V2: Slowing or stopped in traffic	V1:W / V2:W	Collision with motor vehicle in traffic	D1:(Followed too closely),(Inattention) D2:(No improper driving)	Dry	Dusk
7/22/2014	5:35 PM	Property damage only (none injured)	No injury	0	0	2	Rear-end	V1: Slowing or stopped in traffic / V2: Travelling straight ahead	V1:W / V2:W	Collision with motor vehicle in traffic	D1:(No improper driving) D2:(Followed too closely)	Dry	Daylight
9/30/2014	4:33 PM	Property damage only (none injured)	No injury	0	0	3	Rear-end	V1: Travelling straight ahead / V2: Travelling straight ahead / V3: Travelling straight ahead	V1:W / V2:W / V3:W	Collision with motor vehicle in traffic	D1:(Followed too closely) D2:(No improper driving) D3:(No improper driving)	Wet	Daylight
12/10/2014	8:47 AM	Property damage only (none injured)	No injury	0	0	2	Rear-end	V1: Slowing or stopped in traffic / V2: Travelling straight ahead	V1:E / V2:E	Collision with motor vehicle in traffic	D1:(No improper driving) D2:(Followed too closely)	Wet	Daylight



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

### ~ SEGMENT DATA ~

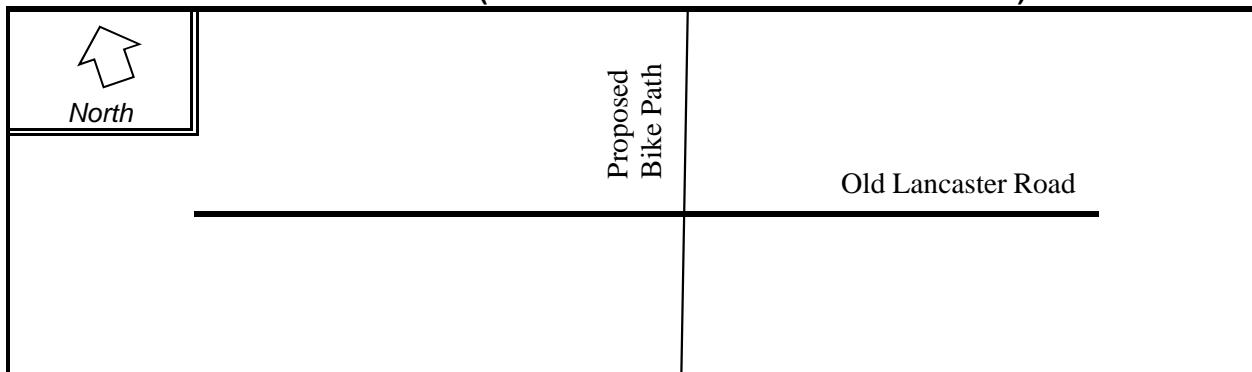
ROADWAY NAME: Old Landcaster Road

START POINT: 305' West of Proposed Bike Path

END POINT: 305' East of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban collector or rural minor collector

### ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ):

0.12

AVERAGE DAILY TRAFFIC VOLUME ( V ):

5,654

TOTAL # OF CRASHES:

1

# OF  
YEARS :

3

AVERAGE # OF  
CRASHES PER YEAR ( A ) :

0.33

CRASH RATE  
CALCULATION :

1.40

RATE =

$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

### ~ SEGMENT DATA ~

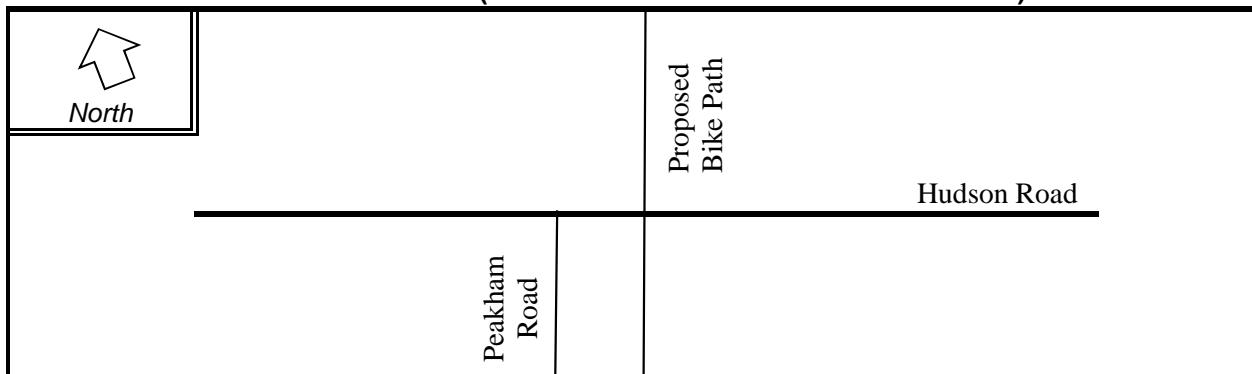
ROADWAY NAME: Hudson Road

START POINT: 250' West of Proposed Bike Path

END POINT: 250' East of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Rural minor arterial or urban principal arterial

### ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ): 0.09

AVERAGE DAILY TRAFFIC VOLUME ( V ): 20,450

TOTAL # OF CRASHES: 8 # OF YEARS : 3 AVERAGE # OF CRASHES PER YEAR ( A ) : 2.67

CRASH RATE  
CALCULATION :

3.77

RATE = 
$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

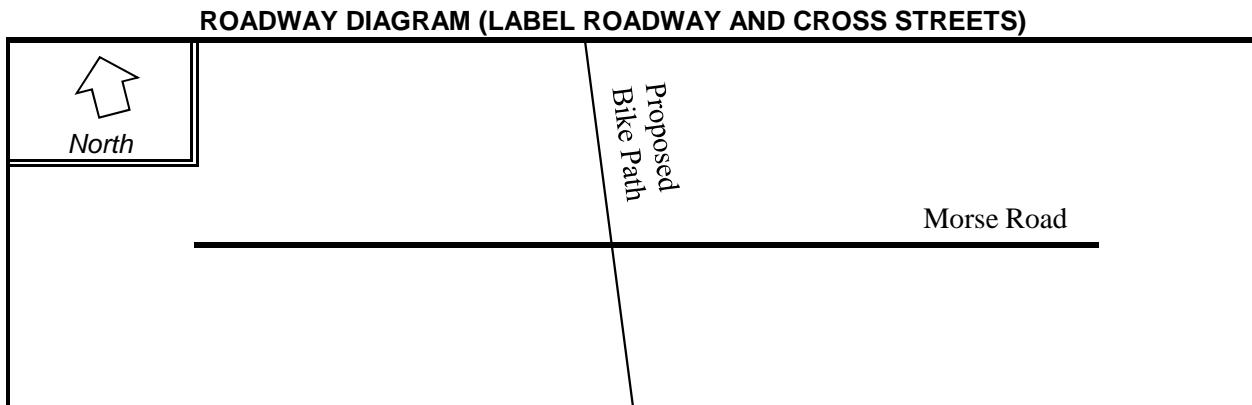
### ~ SEGMENT DATA ~

ROADWAY NAME: Morse Road

START POINT: 305' West of Proposed Bike Path

END POINT: 305' East of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Local



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ):

0.12

AVERAGE DAILY TRAFFIC VOLUME ( V ):

2,519

TOTAL # OF CRASHES:

0

# OF  
YEARS :

3

AVERAGE # OF  
CRASHES PER YEAR ( A ) :

0.00

CRASH RATE  
CALCULATION :

0.00

RATE =

$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

### ~ SEGMENT DATA ~

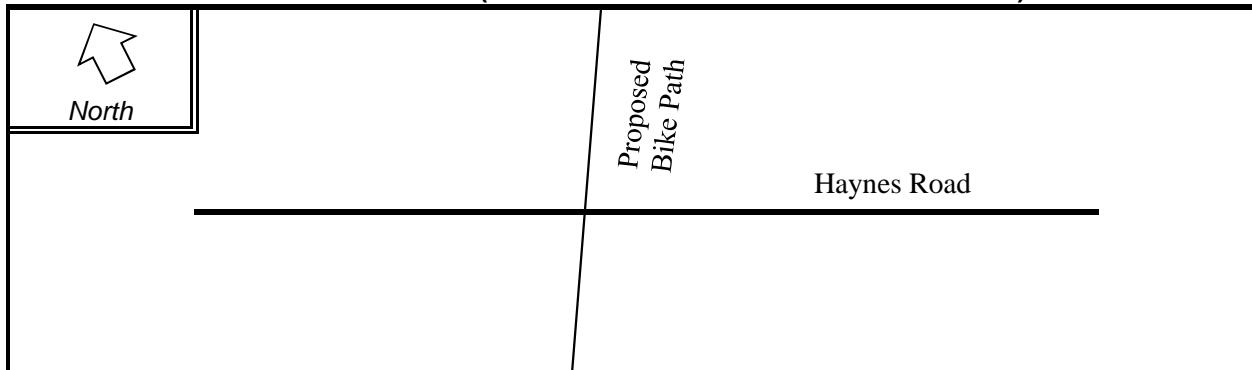
ROADWAY NAME: Haynes Road

START POINT: 305' West of Proposed Bike Path

END POINT: 305' East of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban collector or rural minor collector

### ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ):

0.12

AVERAGE DAILY TRAFFIC VOLUME ( V ):

3,867

TOTAL # OF CRASHES:

0

# OF  
YEARS :

3

AVERAGE # OF  
CRASHES PER YEAR ( A ) :

0.00

CRASH RATE  
CALCULATION :

0.00

RATE =

$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

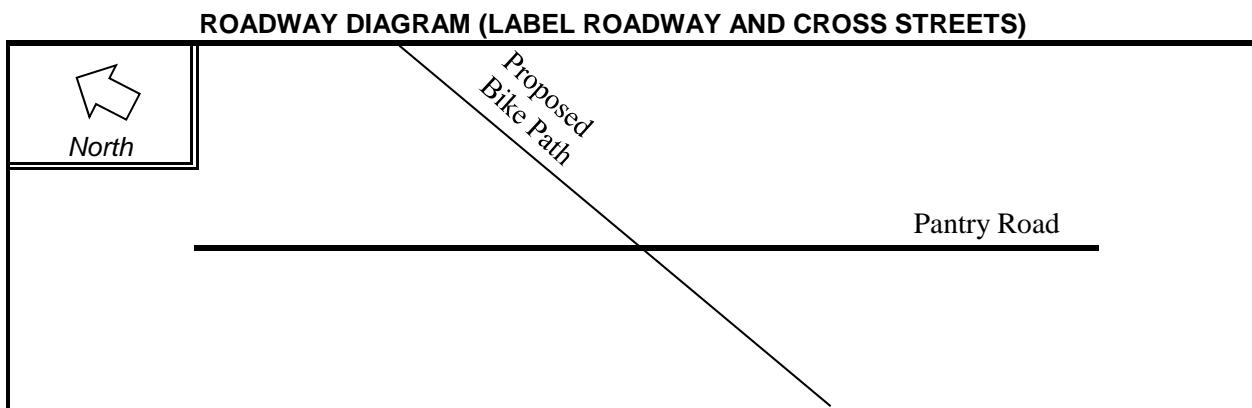
### ~ SEGMENT DATA ~

ROADWAY NAME: Pantry Road

START POINT: 305' North of Proposed Bike Path

END POINT: 305' South of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban collector or rural minor collector



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ):

0.12

AVERAGE DAILY TRAFFIC VOLUME ( V ):

4,623

TOTAL # OF CRASHES:

2

# OF  
YEARS :

3

AVERAGE # OF  
CRASHES PER YEAR ( A ) :

0.67

CRASH RATE  
CALCULATION :

3.42

RATE =

$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## SEGMENT CRASH RATE WORKSHEET

CITY/TOWN : Sudbury COUNT DATE : 10.13.2016

DISTRICT : 3

### ~ SEGMENT DATA ~

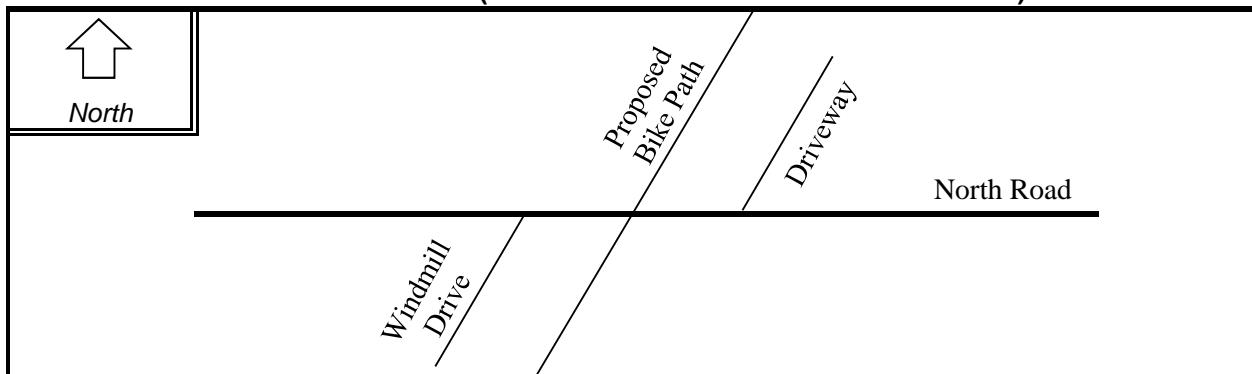
ROADWAY NAME: North Road

START POINT: 360' West of Proposed Bike Path

END POINT: 360' East of Proposed Bike Path

FUNCTIONAL CLASSIFICATION OF ROADWAY: Urban minor arterial or rural major collector

### ROADWAY DIAGRAM (LABEL ROADWAY AND CROSS STREETS)



### AVERAGE DAILY TRAFFIC

SEGMENT LENGTH IN MILES ( L ): 0.14

AVERAGE DAILY TRAFFIC VOLUME ( V ): 12,282

TOTAL # OF CRASHES: 4 # OF YEARS : 3 AVERAGE # OF CRASHES PER YEAR ( A ) : 1.33

CRASH RATE  
CALCULATION :

2.18

RATE = 
$$\frac{(A * 1,000,000)}{(L * V * 365)}$$

Comments : Crash Data from 2012-2014

Project Title & Date: Bruce Freeman Rail Trail



## Appendix E

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### Traffic Signal Warrants

## TRAFFIC SIGNAL WARRANT ANALYSIS (VOLUME BASED)

Intersection: Hudson Road at Peakham Road

Major Street Direction: Eastbound-Westbound ▼

Year: 2016 Condition: Existing

Operating speed on major roadway:		35 mph	Required approach volumes	
Number of approaches:		3	Minimum*	Adjusted Minimum**
<b>Warrant 1</b>	<b>EIGHT-HOUR VEHICULAR VOLUME</b>			
Warrant 1A	MINIMUM VEHICULAR VOLUME (8 hours of day)			
Major Street :	1 Lane(s) on each approach		500	500
Minor Street :	1 Lane(s) on each approach		150	150
Warrant 1B	INTERRUPTION OF CONTINUOUS TRAFFIC (8 hours of day)			
Major Street :	1 Lane(s) on each approach		750	750
Minor Street :	1 Lane(s) on each approach		75	75
80 PERCENT SATISFACTION OF WARRANT 1A AND WARRANT 1B			Warrant 1A	Warrant 1B
Major Street :	1 Lane(s) on each approach		400	600
Minor Street :	1 Lane(s) on each approach		120	60

<b>Warrant 2</b> FOUR HOUR VEHICULAR VOLUME		If "verify" indicated, see Figure 4C-1 or 4C-2. 25 = accuracy of regression equations		
Major Street :	1 Lane(s) on each approach			
Minor Street :	1 Lane(s) on each approach			

<b>Warrant 3</b> PEAK HOUR VOLUME		If "verify" indicated, see Figure 4C-3 or 4C-4. 25 = accuracy of regression equations		
Major Street :	1 Lane(s) on each approach			
Minor Street :	1 Lane(s) on each approach			

Hour	Entering Vol. Minor Road+	Entering Vol. on Major Road		Tot. Ent. Vol. On Major Rd	Meets the following volume-based warrants?				
		Eastbound	Westbound		1A	1B	80%(1A&1B)	2	3
6:00 - 7:00 AM	0	0	0	0	No	No	No	No	No
7:00 - 8:00 AM	153	866	520	1386	Yes	Yes	Yes	Yes	Yes
8:00 - 9:00 AM	0	0	0	0	No	No	No	No	No
9:00 - 10:00 AM	0	0	0	0	No	No	No	No	No
10:00 - 11:00 AM	67	677	700	1377	No	No	No	No	No
11:00 - 12:00 AM	82	684	809	1493	No	Yes	No	YES	No
12:00 - 1:00 PM	70	723	870	1593	No	No	No	No	No
1:00 - 2:00 PM	63	667	886	1553	No	No	No	No	No
2:00 - 3:00 PM	0	0	0	0	No	No	No	No	No
3:00 - 4:00 PM	0	0	0	0	No	No	No	No	No
4:00 - 5:00 PM	105	1029	591	1620	No	Yes	No	Yes	YES
5:00 - 6:00 PM	109	1142	598	1740	No	Yes	No	Yes	YES
6:00 - 7:00 PM	0	0	0	0	No	No	No	No	No
					<b>No</b>	<b>No</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>
					<b>Warrants Met?</b>	<b>1</b>	<b>2</b>	<b>3</b>	
					<b>NO</b>	<b>NO</b>	<b>YES</b>	<b>Yes</b>	<b>Yes</b>

\*From the criteria described for the warrant in the MUTCD.

\*\*If the operating speed is higher than 40mph then the volumes can be adjusted to 70%. (If no adjusted minimum, the minimum from the previous column is shown)

+If more than one approach, report the approach that has the higher volume.

## NON-VOLUME-BASED WARRANTS

Warrant 4, Minimum Pedestrian Volume:

**No**Peak Four Hour Pedestrian Volumes:  
(non-concurrent)0  
0  
0  
0

Warrant 5, School Crossing:

**No**

See MUTCD for details.

Warrant 7, Crash Experience:

**No**

# of accidents "correctable by

signalization" occurring in the last 12 months:

**2**

Warrant 6, Coordinated Signal System:

**No**

See MUTCD for details.

Warrant 8, Roadway Network:

**No**

See MUTCD for details.