



Memorandum

To: Greg Susko
Director of Construction
Storage & Distribution Group LLC
31 Border Street
Cohasset, MA 02025

Date: January 12, 2023

Project #: 15831.00

From: Patrick Dunford, PE
Senior Project Manager

Re: **Transportation Evaluation**
Proposed Self-Storage Building
108 Old Church Street
Pembroke, Massachusetts

Vanasse Hangen Brustlin, Inc. (VHB) has evaluated the potential traffic impacts associated with a self-storage facility to be located at 108 Old Church Street in Pembroke, Massachusetts (the "Site"). The development proposal for the Site involves the construction of a new 104,200 square foot (sf) self-storage facility (the "Project") to be constructed two existing lots totaling 1.98 acres within the overall 19.26-acre property and is being undertaken by Storage & Distribution Group LLC (the "Proponent").

This memorandum includes an evaluation of the existing traffic operations and safety; an assessment of future conditions with and without the Project; and an estimate of projected traffic volumes for the Project and its potential impact on future traffic operations in the area. As detailed herein, the proposed Project is expected to have minimal impacts on local traffic operations.

Project Description and Site Location

The Project Site is located at 108 Old Church Street (Map F15, Lots 2 & 9, in Pembroke, Massachusetts. A Site location is provided in Figure 1. The Site currently consists of mostly wooded undeveloped land to the north of Old Church Street. An existing Lowe's home improvement store is located to the northwest of the Site and Route 3 is located the northeast of the Site. The existing Pembroke Square retail plaza including a Panera Bread restaurant, a Taco Bell, a 99 Restaurant and other retail uses to the west is located south of and adjacent to Old Church Street.

The proposed Project will involve the construction of an approximately 104,200 sf, four-story self-storage building. A total of 780 storage units will be provided. The Project also will include a single two-bedroom apartment unit within the building for the on-site manager. As this person will be living on site, there should not be any apartment traffic entering or exiting Site during the typical commuter peak hours studied as this person will not be driving to work. Any trip generation associated with this single apartment unit will be negligible through the remainder of a typical day.

Access to the proposed Site will be provided by three separate driveways on Old Church Street. The westernmost driveway will be located opposite the existing driveway for the retail plaza on the opposite side of the street. This new curb cut will service the front portion of the building and the 11-space parking field in this area. A second driveway serving this same lot will be located approximately 55 feet further to the east. Finally, a single driveway will be provided another 115 feet to the east to provide access to and from the rear portion of the Site. There also are 10 spaces along the rear easterly edge of the building directly serving storage units. These drive-up spaces are not included in the official parking total for the Site, though they essentially will function as parking spaces for those units. To avoid conflicts with traffic entering and exiting the Site, approximately ten existing underutilized parallel parking spaces on Old Church Street along the Site frontage will be eliminated.

101 Walnut Street
PO Box 9151
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Not to Scale



Figure 1
Site Location Map

**Proposed Self-Storage Building
Pembroke, Massachusetts**



Existing Conditions

The existing condition analysis consists of an inventory of the traffic control, roadway, driveway, and intersection geometry in the study area, the collection of daily and peak hour traffic volumes, a summary of public transit options in the area, and a review of recent crash history.

Study Area

Based on an understanding of the current traffic operations in the region, a study area comprised of the following intersections and their approach roadways were selected for review:

- Old Church Street at Lowe's driveway
- Old Church Street at Panera Bread plaza driveway

A figure showing the intersection lane geometry and traffic control at each study area intersection is included in the Attachments.

Study Area Roadways

Old Church Street

Within the immediate vicinity of the Site, Old Church Street is a private two-lane roadway running in an east-west direction. The roadway is approximately 40-feet wide with parallel parking provided on both sides of the roadway for most of the length of the roadway. This portion of Old Church Street was acquired by the owner of the adjacent retail/restaurant plazas after MassDOT relinquished ownership of this segment in 2015. There are not any dedicated bicycle facilities provided but there is a sidewalk located along the southerly side of Old Church Street. VHB did not observe a posted speed limit in either direction along this roadway. On-street parallel parking presently is provided along both sides of Old Church Street, but that parking generally was observed to be lightly utilized during field visits by VHB.

Study Area Intersections

Old Church Street at Lowes driveway

Old Church Street is intersected from the north by the driveway to a Lowes home improvement to form a three-legged unsignalized intersection. All approaches consist of one general-purpose lane, though the Lowe's approach is wide enough to allow exiting right-turns to bypass vehicles waiting to turn left. The driveway from Lowes operates under STOP control with a Stop sign and Stop line. A sidewalk is provided along the south side of Old Church Street and land use around the intersection is commercial in nature.

Old Church Street at Panera Bread/retail driveway

The driveway to the adjacent commercial plaza including a Panera Bread and other restaurant retail uses intersects Old Church Street from the south to form a three-legged unsignalized intersection. All approaches consist of one general-purpose lane. The driveway for the retail plaza operates under STOP control and a short concrete median island is provided separating entering and exiting traffic. A sidewalk is provided along the south side of Old Church Street and land use around the intersection is primarily commercial.



Existing Traffic Volumes

To identify current traffic flow characteristics along the primary roadway serving the Project study area, VHB conducted traffic counts next to the Project site in September and October 2022 while local schools were in session. VHB's traffic data collection involved measuring daily traffic volumes on Old Church Street, as well as turning movement counts at the study area intersections. The weekday daily traffic volumes and Saturday daily traffic volumes along Old Church Street were collected by VHB using an automated traffic recorder (ATR) on Thursday, September 29, 2022 and Saturday, October 1, 2022. The observed traffic volume data was seasonally adjusted to reflect average month conditions, as described in detail later in this memorandum.

Table 1 displays the observed weekday daily traffic volumes and Saturday daily traffic volumes on Old Church Street south of and adjacent to the Project Site. The existing automated traffic recorder count data is included in the Attachments.

Table 1 Observed Traffic Volumes – Old Church Street

Location	Daily Weekday ^a	Weekday Morning Peak Hour			Weekday Evening Peak Hour			Saturday Midday Peak Hour		
		Volume ^b	K Factor ^c	Dir. Dist. ^d	Volume	K Factor	Dir. Dist.	Daily Saturday	Volume	K Factor
Eastbound	870	40	4.6%		80	9.2%		805	105	13.0%
<u>Westbound</u>	<u>1,420</u>	<u>100</u>	<u>7.0%</u>		<u>100</u>	<u>7.0%</u>		<u>1,630</u>	<u>195</u>	<u>12.0%</u>
Total	2,290	140	6.1%	71% WB	180	7.9%	56% WB	2,435	300	12.3%
									65% WB	

Source: Vanasse Hangen Brustlin, Inc. based on automatic traffic recorder (ATR) counts conducted between Thursday October 20, 2022 and Saturday October 22, 2022.

a average daily traffic (ADT) volume expressed in vehicles per day

b peak period traffic volumes expressed in vehicles per hour

c percent of daily traffic that occurs during the peak period

d directional distribution of peak period traffic

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

As shown in Table 1, Old Church Street was observed to carry approximately 2,290 vehicles per day on a typical weekday and 2,435 vehicles on a typical Saturday, with approximately six percent of all daily traffic occurring during the weekday morning peak hour, approximately eight percent occurring during the weekday evening peak hour, and approximately twelve percent occurring during the Saturday midday peak hour. The weekday peak hours noted fall within the typical morning and evening peak periods considered in standard traffic assessments. However, the roadway segment adjacent to the Site is influenced by surrounding retail activity. Instead of typical notable weekday morning and evening peaks for traffic, volumes generally peak midday. Regardless, to appropriately evaluate the critical time periods for employees and customers visiting the various uses in this area the critical weekday morning and evening peak hours are the focus of this evaluation.

In addition to daily traffic volumes, peak hour turning movement counts (TMCs) were conducted at the study area intersections. The TMCs were conducted during the weekday morning peak period from 7:00 AM to 9:00 AM, during the weekday evening peak period from 4:00 PM to 6:00 PM, and during the Saturday midday peak period from



11:00 AM to 2:00 PM. Based on a review of the count data, the weekday morning, weekday evening, and Saturday midday peak hours of vehicular activity were determined to be 7:45 AM to 8:45 AM, 4:00 PM to 5:00 PM, and 12:00 PM to 1:00 PM, respectively. The existing turning movement count data is provided in the Appendix.

Seasonal Variation

MassDOT 2019 seasonal adjustment factors were reviewed to understand the seasonality of traffic count data collected in the month of October when the Old Church Street counts noted above were conducted. MassDOT seasonal adjustment factors are broken down by roadway functional classification, sometimes indicating different adjustment factors based on the roadway type. Based on this review, traffic volumes during the month of October are slightly higher than average-month conditions. As such, for conservative analysis, the existing count data was not adjusted for seasonal variation. The MassDOT seasonal adjustment factors are provided in the Appendix for reference.

The 2022 Existing traffic volume networks for the weekday morning, weekday evening, and Saturday midday peak hours are provided in Figure 2.

Public Transportation

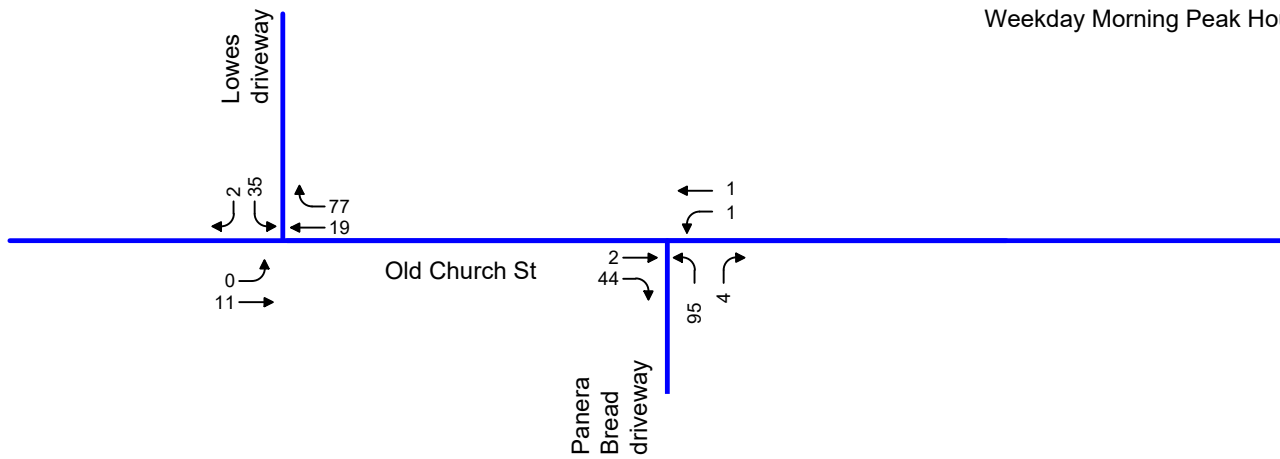
Public transportation in Pembroke and the surrounding area is provided by the Greater Attleboro-Taunton Regional Transit Authority (GATRA). The nearest public transit to the Site is the Kingston-Duxbury-Marshfield bus route provided by GATRA, which travels down Route 139 (Church Street). The Kingston-Duxbury-Marshfield bus route travels between the Kohl's and Stop & Shop Plaza in Pembroke and the Independence Mall in Kingston via Route 139 and Route 3A. The bus route runs Monday through Friday from 5:50 AM to 7:00 PM and on Saturday from 8:45 AM to 6:55 PM. There is no service on Sundays. Service is provided approximately every 60 minutes on weekdays and every 90 minutes on Saturdays. The nearest fixed bus stop to the Site is located at the Kohl's and Stop & Shop Plaza, less than ½ mile to the southwest of the Site on Route 139 (Church Street). However, the bus route runs on a flag system, where passengers can flag the bus down at any safe location along the route and the bus will stop. While public transportation is provided near the Site, to present a conservative analysis, no credit was taken for Site visitors or employees arriving and departing the Site via public transportation.

Crash Summary

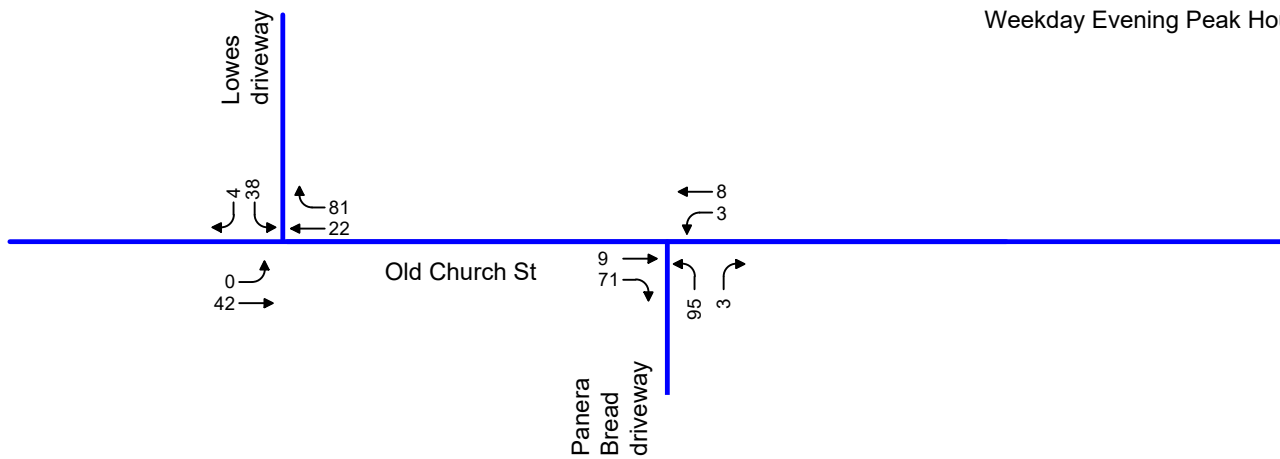
A detailed crash analysis was conducted to identify potential vehicle accident trends and/or roadway deficiencies in the traffic study area. The most current vehicle accident data for the traffic study area intersections were obtained from MassDOT for the years 2015 to 2019. The MassDOT database is comprised of crash data from the Massachusetts Registry of Motor Vehicles (RMV) Division primarily for use in traffic studies and safety evaluations. Data files are provided for an entire city or town for an entire year, though it is possible that some crash records may be omitted either due to individual crashes not being reported, or the town crash records not being provided in a compatible format for RMV use.

Crash rates are calculated based on the number of accidents at an intersection and the volume of traffic traveling through that intersection on a daily basis. Rates that exceed MassDOT's average for accidents at intersections in the MassDOT district in which the town or city is located could indicate safety or geometric issues for a particular

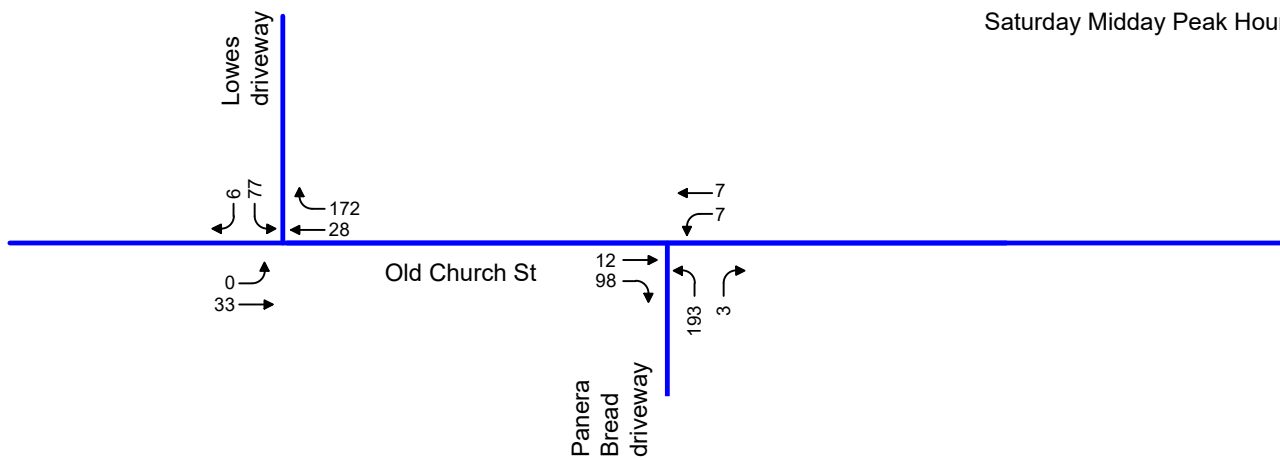
Weekday Morning Peak Hour



Weekday Evening Peak Hour



Saturday Midday Peak Hour





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intersection. The calculated crash rates for the study area intersections were compared to MassDOT's District 5 (the MassDOT district for Pembroke) average.

A summary of the study area intersections vehicle accident history based on the available RMV data is presented in Table 2 and the detailed crash data is provided in the Appendix.



Table 2 Vehicular Crash Data (2015-2019)

	Lowes driveway at Old Church Street	Panera Bread driveway at Old Church Street
Signalized?	No	No
MassDOT Average Crash Rate	0.57	0.57
Calculated Crash Rate	0.78	0.51
Exceeds Average?	Yes	No
Year		
2015	1	1
2016	0	0
2017	0	0
2018	2	0
<u>2019</u>	<u>0</u>	<u>1</u>
Total	3	2
Collision Type		
Angle	0	2
Head-On	0	0
Rear-End	1	0
Rear-to-rear	0	0
Sideswipe, opposite direction	0	0
Sideswipe, same direction	1	0
Single Vehicle Crash	0	0
Unknown/Not Reported	1	0
Severity		
Fatal Injury	0	0
Non-Fatal Injury	2	0
Property Damage Only	1	2
Time of day		
Weekday, 7:00 AM - 9:00 AM	0	0
Weekday, 4:00 – 6:00 PM	1	1
Saturday, 11:00 AM – 2:00 PM	0	0
Weekday, other time	2	1
Weekend, other time	0	0
Pavement Conditions		
Dry	2	0
Wet	1	2
Snow/Ice/Slush	0	0
Non-Motorist (Bike, Pedestrian)	0	0

Source: Crash data was obtained from MassDOT Crash Portal, Accessed October 2022.



As shown in Table 2, over the five-year period there were three crashes reported at Old Church Street's intersection with the Lowes' driveway and two crashes at the Old Church Street/Panera Bread plaza driveway intersection. It is not possible to identify any trends due to the limited crash history at both locations. None of the crashes involved non-motorists (bicyclists, pedestrians) or resulted in fatal injuries.

Highway Safety Improvement Program

In addition to calculating the crash rate, study area intersections should also be reviewed in MassDOT's Highway Safety Improvement Program (HSIP) database. An HSIP-eligible cluster is one in which the total number of "equivalent property damage only"¹ crashes in the area is within the top 5% of all clusters in that region. Being HSIP-eligible makes the location eligible for FHWA and MassDOT funds to address the identified safety issues at these locations. As part of this effort, VHB reviewed this database and found that no part of Old Church Street is listed as an HSIP-eligible cluster.

Future Conditions

To determine the impacts of the site-generated traffic volumes in the vicinity of the site, future traffic conditions were evaluated. A seven-year horizon (2029) was used for the evaluation consistent with MassDOT Transportation Impact and Access (TIA) study requirements.

Traffic growth on area roadways is a function of the expected land development, environmental activity, and changes in demographics. A frequently used procedure is to identify estimated traffic generated by planned developments that would be expected to affect the project study area roadways. An alternative procedure is to estimate an annual percentage increase and apply that increase to study area traffic volumes. For this evaluation, *both* procedures were used. The following summarizes this traffic forecasting process.

Historic Growth

Recent traffic studies conducted in the region and historic count data were reviewed to establish a rate at which traffic volumes can be expected to grow. This review indicated that a 1.0-percent per year growth rate is appropriate for analysis purposes.

Planned Developments

Old Church Street is located between the northerly and southerly segments of the adjacent retail plazas. As such, volumes on this roadway should not be significantly affected by regional growth in the same manner as nearby arterial or collector roadways. Instead, due to the Site location and the study area not including arterial roadways, future traffic volumes in the study area primarily should be influenced by the surrounding commercial/retail uses. Currently, the adjacent Pembroke Square retail/restaurant plaza is fully occupied. Accordingly, with no vacancies, any future increases in traffic volumes from this area should be limited and primarily associated with the continued success of existing tenants in the plaza.

1 "Equivalent property damage only" is a method of combining the number of crashes with the severity of the crashes based on a weighted scale. Crashes involving property damage only are reported at a minimal level of importance, while collisions involving personal injury (or fatalities) are weighted more heavily.



Background Transportation Projects

In assessing future traffic conditions, proposed roadway improvements within the study area were considered. Based on a review of project information databases for the Town of Pembroke and MassDOT, there are not any transportation projects that would impact the Project study area within the seven-year horizon.

No-Build Traffic Volumes

The 2029 No-Build traffic volumes were generated by consideration of the factors described above. The resulting 2029 No-Build peak hour traffic volume networks for the weekday morning, weekday evening, and Saturday midday peak periods are provided in Figure 3.

Trip Generation

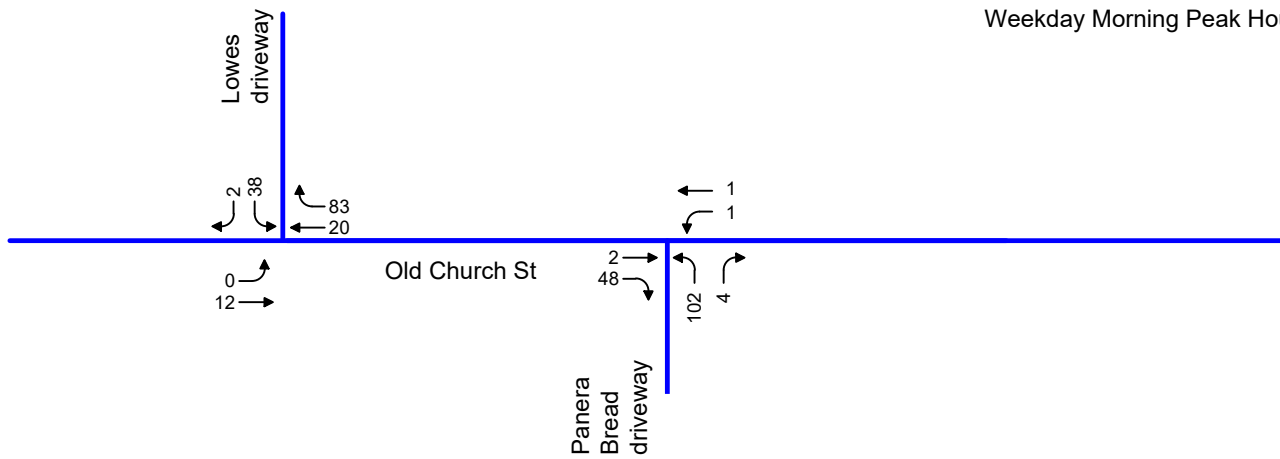
To estimate the number of vehicle trips to be generated by the proposed Project, standard data from the Institute of Transportation Engineers (ITE), and previously collected counts at other existing self-storage sites in Massachusetts were considered.

Project Trip Generation

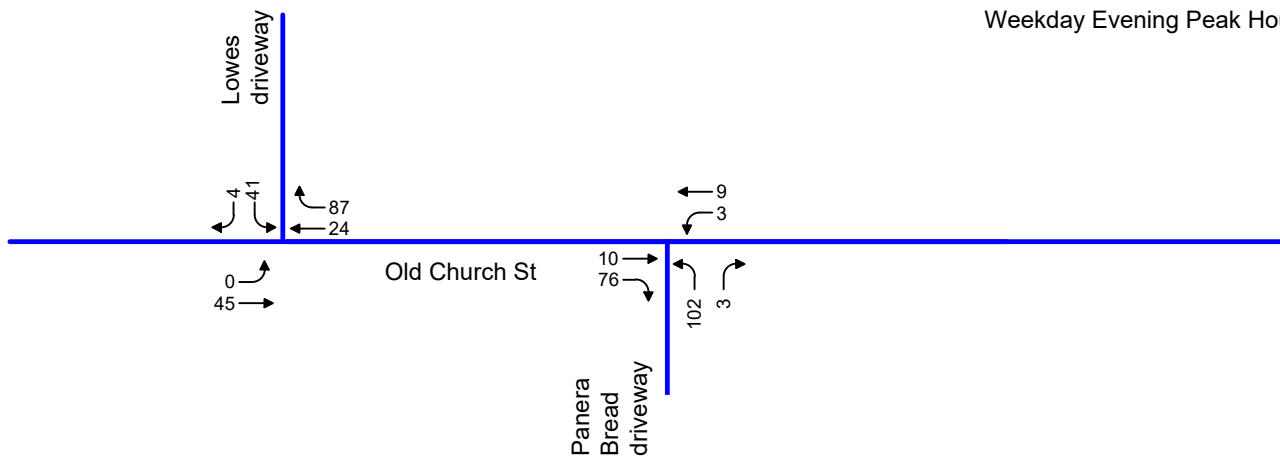
Following standard industry practice, trip generation initially was estimating using standard ITE data from the *Trip Generation Manual*². The volume of traffic expected to be generated by the 104,200 sf facility was estimated using the ITE data. Specifically, trip generation was estimated based on ITE land use code (LUC) 151 (Mini-Warehouse) considering the proposed building sizes as well as the proposed total of 780 storage units. The resulting trip generation is shown in Table 3.

2 [Trip Generation Manual \(11th edition\)](#), Institute of Transportation Engineers (Washington DC), 2021.

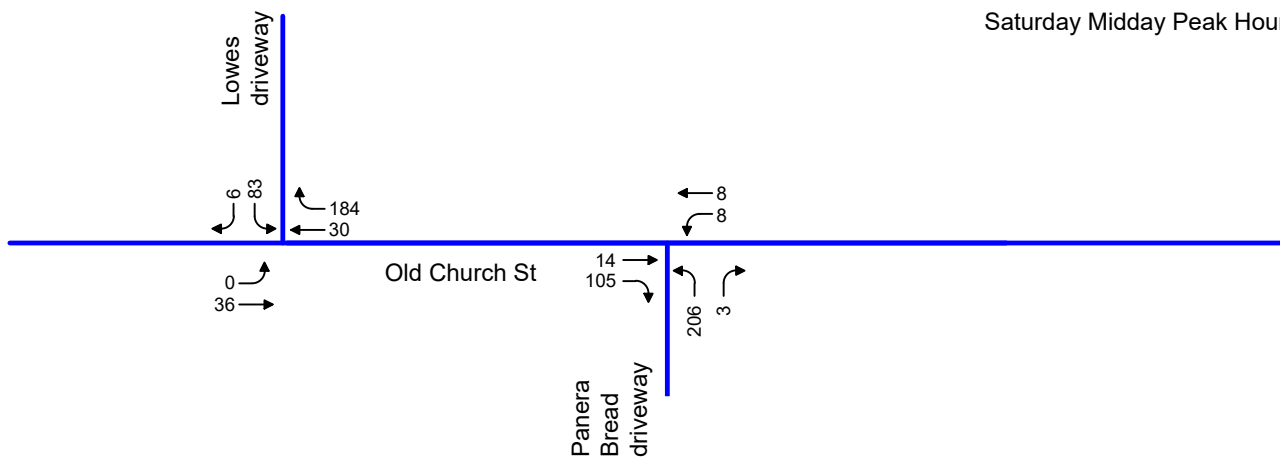
Weekday Morning Peak Hour



Weekday Evening Peak Hour



Saturday Midday Peak Hour



2029 No-Build Conditions
Proposed Self Storage
Pembroke, Massachusetts

Figure 3

Table 3 ITE Trip Generation Summary

Time Period	Direction	Proposed Project (104,200 sf) ^a	Proposed Project (780 units) ^b
Weekday Daily	Total	152	144
Weekday Morning Peak Hour	Enter	6	5
	Exit	4	5
	Total	10	10
Weekday Evening	Enter	8	5
	Exit	8	5
	Total	16	10
Weekday Daily	Total	184	128
Weekday Evening Peak Hour	Enter	11	12
	Exit	7	9
	Total	18	21

a Based on ITE LUC 151 (Mini-Warehouse) for 104,200 sf of total self-storage building area.

b Based on ITE LUC 151 (Mini-Warehouse) for 780 self-storage units.

As shown in Table 3, using ITE methodology, the proposed Project is expected to generate relatively the same level of traffic generation regardless of whether the estimates are based on the building size of the number of storage units. To provide for a conservative analysis, trip generation was based on the higher of the two methodologies for each time period studied. Accordingly, based on the ITE data, the Project is expected to generate approximately 10 and 16 vehicle trips during the weekday morning and evening peak hours, respectively. The ITE data indicates that Saturday trip generation will be slightly higher with 21 vehicles trips occurring during the Saturday midday peak hour.

As discussed in the following section, VHB also reviewed traffic counts previously conducted at similar facilities for comparison purposes.

Trip Generation – Comparable Facilities

VHB previously conducted trip generation counts at other existing self-storage facilities throughout Massachusetts. Specifically, peak period traffic counts previously were conducted by VHB at the following locations:

- › 425 Washington Street, Woburn – Public Storage
- › 490 Eastern Avenue, Malden – Public Storage
- › 650 Eastern Avenue, Malden – Public Storage
- › 329 Boston Post Road, Marlborough – Storelocal
- › 1701 Osgood Street, North Andover – Extra Space



The observed peak hour trip generation at these facilities is summarized in Table 4.

Table 4 Observed Peak Hour Trip Generation – Comparable Existing Facilities

Time Period	Direction	Woburn Public Storage ^a (130,658 sf)	Malden Public Storage ^b (125,388 sf)	Malden Public Storage ^c (99,440 sf)	Marlborough Storelocal ^d (117,438 sf)	N. Andover Extra Space ^e (50,094 sf)	Weighted Average Trip Rate ^f
Weekday Morning	Enter	9	4	2	3	6	0.05
	Exit	<u>10</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>0.04</u>
	Total	19	5	4	6	10	0.09
Weekday Evening	Enter	3	2	2	2	4	0.02
	Exit	<u>5</u>	<u>9</u>	<u>4</u>	<u>2</u>	<u>5</u>	<u>0.05</u>
	Total	8	11	6	4	9	0.07

- a Based on ATR counts conducted by VHB at 425 Washington Street (Public Storage) in Woburn, Massachusetts on Friday, Marcy 24, 2011.
b Based on peak period turning movement counts (TMCs) conducted by VHB at 490 Eastern Avenue (Public Storage) in Malden, Massachusetts on Thursday May 6, 2021.
c Based on peak period TMCs conducted by VHB at 490 Eastern Avenue (Public Storage) in Malden, Massachusetts on Thursday May 6, 2021.
d Based on peak period TMCs conducted by VHB at 329 Boston Post Road (Storelocal) in Marlborough, Massachusetts on Thursday April 25, 2019.
e Based on ATR counts conducted by VHB at the existing 1701 Osgood Street, North Andover Site driveway on Thursday, October 6, 2022.
f Weighted average trip generation rate calculated as total trips generated at study sites divided by total combined area of study sites (in 1,000 sf).

As shown in Table 4, the observed weekday peak hour trip generation at the five existing sites studied by VHB ranged from 4 to 19 vehicle trips. VHB used this data to develop a weighted-average trip generation rate considering the volume of traffic generated and sizes of each facility. This rate – based on actual counts from comparable Massachusetts facility – was applied to the proposed Project size as shown in Table 5 and compared to the ITE-based estimates.

Table 5 Trip Generation Comparison

Time Period	Direction	Trip generation based on observed counts		ITE-based estimate for Project (104,200 sf) ^c
		Weighted Average Trip Rate ^a	Project (104,200 sf) ^b	
Weekday Morning	Enter	0.05	5	5
	Exit	<u>0.04</u>	<u>4</u>	<u>5</u>
	Total	0.09	9	10
Weekday Evening	Enter	0.02	2	8
	Exit	<u>0.05</u>	<u>5</u>	<u>8</u>
	Total	0.07	7	16

- a Table 4; weighted average trip generation rate calculated as total trips generated at study sites divided by total combined area of study sites (in 1,000 sf).
- b Trip generation calculated by applying weighted average trip generation rate to proposed 104,200 sf building size.
- c Project trip generation estimated based on ITE LUC 151 (Mini-Warehouse) data considering 104,200 sf self-storage building size and 780 storage units.

As shown in Table 5, using ITE data to estimate Project trip generation results in higher peak hour trip generation than would be expected based on actual Massachusetts count data. The resulting maximum of 9 peak hour vehicle trips is equivalent to one additional vehicle traveling to or from the Site roughly every 6 minutes. That nominal level of trip generation would have a negligible impact on traffic operations within the Site and on the surrounding roadway system. While Saturday counts of comparable self-storage facilities are not available, it is expected that Saturday trip generation likely is similarly overstated. Regardless, for the purpose of this study, the higher ITE-based estimates were used for this study to provide for a conservative analysis. These trips were assigned to the study area intersections based on currently observed travel patterns.

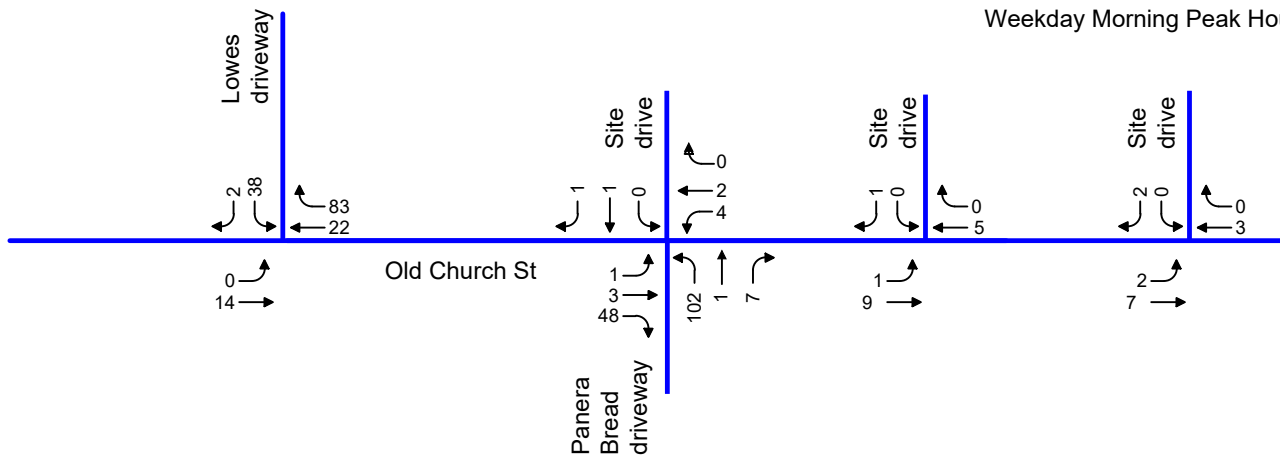
Build Traffic Volumes

The ITE-based trip generation from Table 3 was assigned to the study area roadway network based on the trip distribution discussed above and added to the 2029 No-Build peak hour traffic volume networks to develop the 2029 Build peak hour traffic volume networks. The 2029 Build peak hour traffic volume networks are provided in Figure 4.

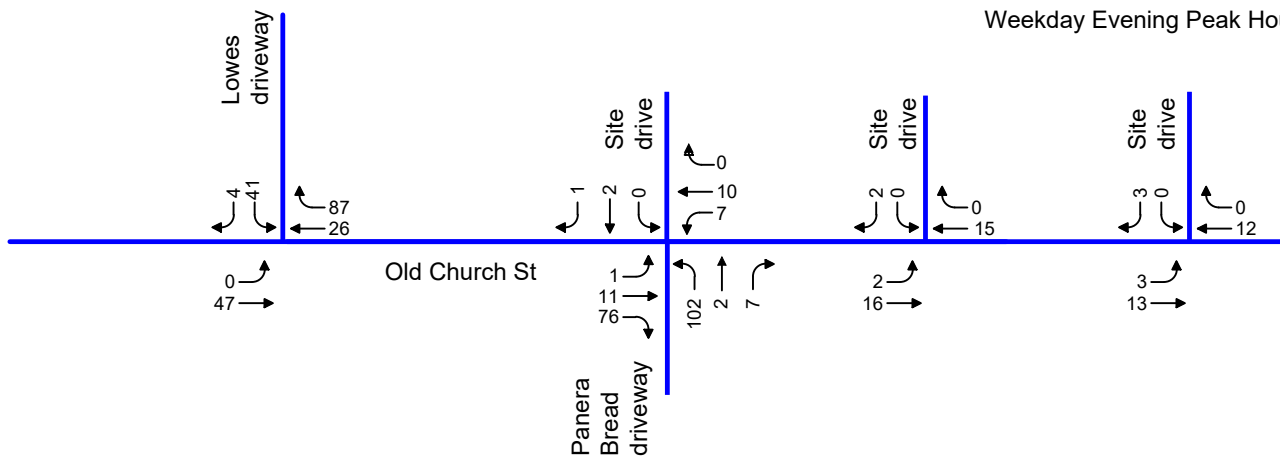
Traffic Operations Analysis

To assess quality of flow, intersection capacity analyses were conducted with respect to 2022 Existing, 2029 No-Build, and 2029 Build traffic volume conditions. Capacity analyses provide an indication of how well the roadway facilities serve the traffic demands placed upon them. Roadway and intersection operating conditions are classified by calculated levels-of-service.

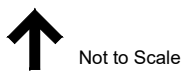
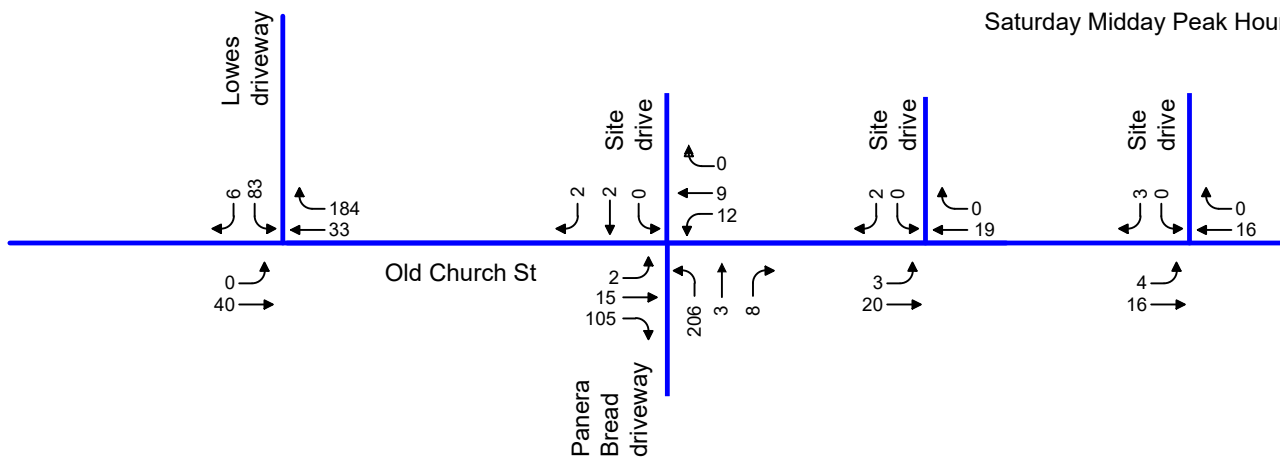
Weekday Morning Peak Hour



Weekday Evening Peak Hour



Saturday Midday Peak Hour





Level of Service Criteria

Level-of-service (LOS) is the term used to denote the different operating conditions that occur on a given roadway segment or intersection under various traffic volume loads. It is a qualitative measure that considers a number of factors including roadway geometry, speed, travel delay, freedom to maneuver, and safety. Level-of-service provides an index to operational qualities of a roadway segment or an intersection. Level-of-service designations range from A to F, with LOS A representing the best operating conditions and LOS F representing the worst operating conditions.

For this study, capacity analyses were completed using Synchro™ traffic analysis software. For unsignalized intersections, the analysis assumes that traffic on the mainline is not affected by traffic on the side streets. The LOS is only determined for left turns from the main street and all movements from the minor street. The evaluation criteria used to analyze the unsignalized study area intersections is based on the *Highway Capacity Manual* (HCM) 6th Edition³.

Intersection Capacity Analysis

Levels-of-service analyses were conducted for the 2022 Existing, 2029 No-Build, and 2029 Build conditions for the study area intersections. Table 6 summarizes the capacity analyses for the unsignalized intersections, and the capacity analyses worksheets are included in the Attachments.

3 Highway Capacity Manual, Transportation Research Board, Washington D.C., 2010.



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Table 6 Unsignalized Intersection Capacity Analysis

Location / Movement	2022 Existing Conditions					2029 No-Build Conditions					2029 Build Conditions				
	D ^a	v/c ^b	Del ^c	LOS ^d	95 Q ^e	D	v/c	Del	LOS	95 Q	D	v/c	Del	LOS	95 Q
Old Church Street at Lowe's															
<i>Weekday Morning</i>															
EB L	11	0.00	0	A	0	12	0.00	0	A	0	14	0.00	0	A	0
SB L	35	0.06	9	A	5	38	0.06	9	A	5	38	0.07	9	A	5
SB R	2	0.03	9	A	0	2	0.03	9	A	0	2	0.03	9	A	0
<i>Weekday Evening</i>															
EB L	42	0.00	0	A	0	45	0.00	0	A	0	47	0.00	0	A	0
SB L	38	0.05	9	A	3	41	0.05	9	A	5	41	0.05	9	A	5
SB R	4	0.00	9	A	0	4	0.00	9	A	0	4	0.00	9	A	0
<i>Saturday Midday</i>															
EB L	33	0.00	0	A	0	36	0.00	0	A	0	40	0.00	0	A	0
SB L	77	0.11	10	A	10	83	0.12	10	A	10	83	0.12	10	B	10
SB R	6	0.01	9	A	0	6	0.01	9	A	0	3	0.01	9	A	0
Old Church Street at Panera Bread driveway / Site driveway															
<i>Weekday Morning</i>															
EB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	52	0.00	7	A	0
WB LT	2	0.00	7	A	0	2	0.00	7	A	0	6	0.01	7	A	0
NB L	95	0.12	9	A	10	102	0.13	9	A	13	103	0.14	9	A	13
NB R	4	0.01	9	A	0	4	0.01	9	A	0	7	0.01	9	A	0
SB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	0.00	9	A	0
<i>Weekday Evening</i>															
EB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	88	0.00	7	A	0
WB LT	11	0.00	8	A	0	12	0.00	8	A	0	17	0.01	8	A	0
NB L	95	0.11	9	A	10	102	0.12	9	A	10	104	0.13	10	A	10
NB R	3	0.00	9	A	0	3	0.00	9	A	0	7	0.01	9	A	0
SB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	0.00	9	A	0
<i>Saturday Midday</i>															
EB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	122	0.00	7	A	0
WB LT	14	0.01	8	A	0	16	0.01	8	A	0	21	0.01	8	A	0
NB L	193	0.23	10	B	22	206	0.25	10	B	25	206	0.27	11	B	28
NB R	3	0.00	9	A	0	3	0.00	9	A	0	8	0.00	9	A	0
SB LTR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	0.01	9	A	0
Old Church Street at center Site driveway															
<i>Weekday Morning</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	0.00	7	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	0.18	8	A	0
<i>Weekday Evening</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18	0.00	7	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	0.00	8	A	0
<i>Saturday Midday</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	0.00	7	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	0.00	8	A	0

Table 6 Unsignalized Intersection Capacity Analysis

Location / Movement	2022 Existing Conditions					2029 No-Build Conditions					2029 Build Conditions				
	D ^a	v/c ^b	Del ^c	LOS ^d	95 Q ^e	D	v/c	Del	LOS	95 Q	D	v/c	Del	LOS	95 Q
Old Church Street at easterly Site driveway															
<i>Weekday Morning</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	0.00	7	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	0.00	9	A	0
<i>Weekday Evening</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	0.00	7	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	0.00	8	A	0
<i>Saturday Midday</i>															
EB L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	0.00	0	A	0
SB L/R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	0.00	8	A	0

- a Demand
b Volume to capacity ratio.
c Average total delay, in seconds per vehicle.
d Level-of-service.
e 95th percentile queue, in feet.
N/A Critical movement does not exist for analysis period studied.

As shown in Table 6, the Project is expected to have negligible impacts on traffic operations within the study area. All study areas intersections currently operate at LOS A and will continue to do so under future conditions with or without the Project in place. The only exception is at the Old Church Street/Lowes driveway intersection during the Saturday midday peak hour. During this time period, the southbound left-turn movement from Lowe's will degrade slightly from LOS A to LOS B. The Project will not be adding any traffic to this maneuver. This minor change is due to the intersection already operating just below the threshold between LOS A and LOS B conditions during the No-Build condition. Based on the capacity analysis results, the Project is expected to have a negligible impact on traffic operations in the study area.

Parking Generation

The parking needs for the Project will be accommodated by 11 parking spaces at the front of the building. As noted earlier, an additional 10 spaces will be provided along the rear easterly edge of the building directly serving storage units. These drive-up spaces are not included in the official parking total for the Site, though they essentially will function as parking spaces for those individual units. Of the 11-space parking supply at the front of the building, one space will be designated for use by the on-site manager, with the remainder being available for customer use.

VHB evaluated the adequacy of the proposed parking supply using data from previously observed at local sites throughout Massachusetts as summarized in Table 7.



Table 7 Observed Parking Demand – Comparable Existing Facilities

Time Period	Brighton Public Storage ^a (113,788 sf)	Woburn Public Storage ^b (130,658 sf)	Malden Public Storage ^c (125,388 sf)	Malden Public Storage ^d (99,420 sf)	Pembroke Project Site (104,200 sf)
Weekday	8	7	8	4	11-space <u>supply</u>

a Source: parking counts conducted by VHB at 156 Lincoln Street, Boston (Brighton), Massachusetts on Friday March 24, 2011.

b Source: parking counts conducted by VHB at 425 Washington Street (Public Storage) in Woburn, Massachusetts on Friday, March 24, 2011.

c Source: parking counts conducted by VHB at 490 Eastern Avenue (Public Storage) in Malden, Massachusetts on Thursday May 6, 2021.

d Source: parking counts conducted by VHB at 650 Eastern Avenue (Public Storage) in Malden, Massachusetts on Thursday May 6, 2021.

As shown in Table 7, the Projects available 11-space parking supply exceeds the peak demand observed at any of the other four sites studied, three of which are larger than the proposed Project. Accordingly, this parking supply, which also satisfies the requirements of the Pembroke Zoning Bylaws, will be more than adequate to accommodate the likely parking demand.

Sight Distance

VHB conducted a sight distance analysis, conforming to guidelines of the American Association of State Highway and Transportation Officials (AASHTO)⁴, at the proposed Old Church Street driveway locations. Sight distance is generally divided into two categories: Stopping Sight Distance (SSD) and Intersection Sight Distance (ISD). 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 the exiting vehicle from a driveway. In this respect, SSD can be considered as the minimum visibility criterion for the safe operation of an unsignalized intersection.

Intersection Sight Distance (ISD) is based on the time required for perception, reaction and completion of the desired critical exiting maneuver once the driver on a minor street or driveway approach decided to execute the maneuver. Calculation for the critical ISD includes the time to (1) turn left, and to clear the half of the intersection without conflicting with the vehicles approaching from the left; and (2) accelerate to the operating speed of the roadway without causing approaching vehicles to unduly reduce their speed. In this context, ISD can be considered as a desirable visibility criterion for the safe operation of an unsignalized intersection. While SSD is the minimum distance needed to avoid collisions, ISD is the minimum distance needed so that mainline motorists will not have to substantially reduce their speed due to turning vehicles. To maintain the safe operations, ISD only needs to be equal to the stopping sight distance, though it is desirable to meet ISD requirements by themselves.

To calculate the required SSD and ISD at the unsignalized intersection of the proposed Site driveways on Old Church Street, the 85th percentile speed along Old Church Street measured by the ATR count described previously was utilized. While the 85th percentile speed measures along this roadway segment were observed to be approximately

⁴ A Policy on the Geometric Design of Highways and Streets, American Association of State Highway and Transportation Officials, 2011.



23 miles per hour (mph) eastbound and 22 mph westbound, a higher 25 mph design speed was used for this analysis. Table 8 summarizes the sight distance analysis.

Table 8 Sight Distance Analysis Summary

Location	Stopping Sight Distance (ft) ^a			Intersection Sight Distance (ft) ^a		
	Traveling	Required	Measured	Looking	Desired	Measured
Old Church Street at the Site driveway	Eastbound	155	490	Left	280	390 ^b
	Westbound	155	390	Right	280	540
Old Church Street at center Site driveway	Eastbound	155	460	Left	280	280 ^b
	Westbound	155	280	Right	280	550
Old Church Street at easterly Site driveway	Eastbound	155	490	Left	280	170 ^b
	Westbound	155	170	Right	280	530

^a Based on guidelines established in A Policy on the Geometric Design of Highways and Streets, Sixth Edition, American Association of State Highway and Transportation Officials (AASHTO), 2011 for a 25 mph design speed.

^B Sight lines look to left/east from Site driveways extend beyond a guardrail blocking Old Church Street just east of a driveway to the retail/restaurant to the south. Distance shown is the distance from the driveway to the guardrail.

As shown in Table 8, the required stopping sight distances and the desired intersection sight distances are exceeded in both directions at the unsignalized intersections of Old Church Street at the proposed Site driveways.

Conclusion

VHB has conducted a transportation evaluation to determine the potential traffic generation and parking demand associated with the Project. Both were evaluated considering standard ITE data, existing counts and observations of the Site, and trip generation and parking demand data compiled from prior studies of other self-storage facilities. This analysis indicates that the addition of the proposed 104,200 sf/780-unit self-storage building will result in negligible additional traffic. Specifically, during the weekday morning, weekday evening, and Saturday midday peak hours a total of 10, 16, and 21 vehicle trips are anticipated. This results in a maximum of only one additional vehicle travelling on a low-volume segment of Old Church Street every three minutes under peak period conditions. Likewise, the proposed 11-space parking supply serving the Site will satisfy the requirements of the Pembroke Zoning Bylaws as well as the anticipated actual demand. The Project also will include a single two-bedroom apartment unit within the building for the on-site manager. This use will generate negligible traffic as this person will not need to drive to and from work, and only a single designated parking space will be required. Additional overflow parking will be available on Old Church Street if needed (which is not anticipated) in the form of the currently underutilized parallel parking spaces.

VHB also conducted a sight distance evaluation of the existing Site driveways. This analysis indicates that adequate sight lines are available in both directions on Old Church Street looking to and from each driveway to allow for safe and efficient access and egress.



Memorandum

Attachments

- Traffic Data Collection
- Seasonal Adjustment Factors
- Crash Data
- Trip Generation
- Parking Data
- Capacity Analysis Worksheets



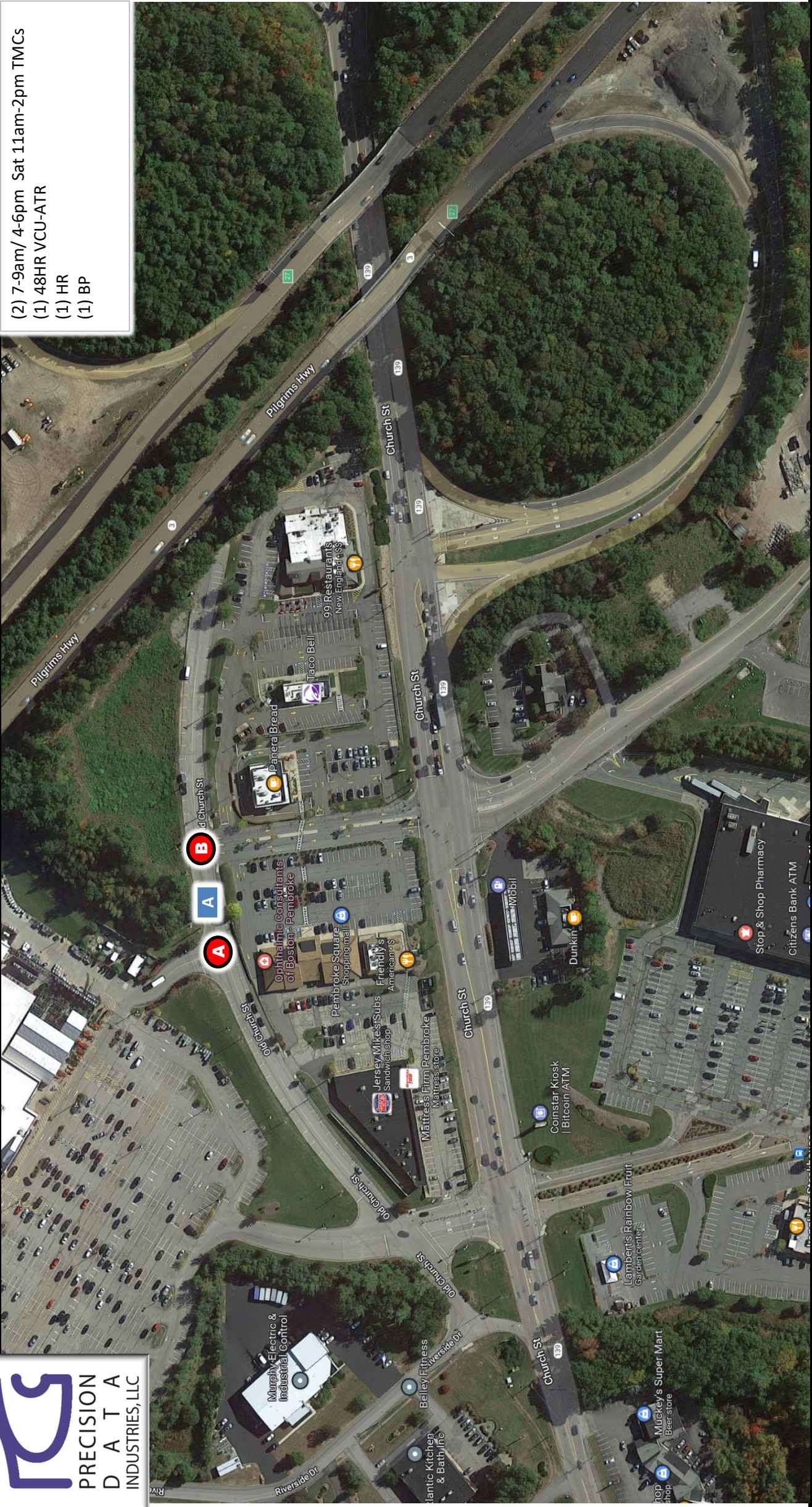
Memorandum

- **Traffic Data Collection**



Location Map: 228907 Pembroke, MA

Precision Data Industries, LLC 157 Washington Street, Suite 2, Hudson, MA 01749 ph: 508-875-0100 email: datarequests@pdillc.com



- (2) 7-9am/ 4-6pm Sat 11am-2pm TMCs
- (1) 48HR VCU-ATR
- (1) HR
- (1) BP

Client: VHB	Engineer: P. Dunford	Site Code: 15831.00	Date: Thurs 10/20 and Sat 10/22/2022	PDI Job # 228907	City, State: Pembroke, MA
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PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Cars and Heavy Vehicles (Combined)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	3	0	3	9	4	0	13	3	1	0	4	20
7:15 AM	1	4	0	5	9	5	0	14	2	0	0	2	21
7:30 AM	0	3	0	3	21	1	0	22	2	0	0	2	27
7:45 AM	1	13	0	14	21	6	0	27	5	0	0	5	46
Total	2	23	0	25	60	16	0	76	12	1	0	13	114
8:00 AM	0	7	0	7	13	3	0	16	2	0	0	2	25
8:15 AM	1	10	0	11	23	8	0	31	1	0	0	1	43
8:30 AM	0	5	0	5	20	2	0	22	3	0	0	3	30
8:45 AM	0	9	0	9	23	6	0	29	5	0	0	5	43
Total	1	31	0	32	79	19	0	98	11	0	0	11	141
Grand Total	3	54	0	57	139	35	0	174	23	1	0	24	255
Approach %	5.3	94.7	0.0		79.9	20.1	0.0		95.8	4.2	0.0		
Total %	1.2	21.2	0.0	22.4	54.5	13.7	0.0	68.2	9.0	0.4	0.0	9.4	
Exiting Leg Total	140				77				38				255
Cars	1	52	0	53	130	35	0	165	23	1	0	24	242
% Cars	33.3	96.3	0.0	93.0	93.5	100.0	0.0	94.8	100.0	100.0	0.0	100.0	94.9
Exiting Leg Total	131				75				36				242
Heavy Vehicles	2	2	0	4	9	0	0	9	0	0	0	0	13
% Heavy Vehicles	66.7	3.7	0.0	7.0	6.5	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.1
Exiting Leg Total	9				2				2				13

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:45 AM	1	13	0	14	21	6	0	27	5	0	0	5	46
8:00 AM	0	7	0	7	13	3	0	16	2	0	0	2	25
8:15 AM	1	10	0	11	23	8	0	31	1	0	0	1	43
8:30 AM	0	5	0	5	20	2	0	22	3	0	0	3	30
Total Volume	2	35	0	37	77	19	0	96	11	0	0	11	144
% Approach Total	5.4	94.6	0.0		80.2	19.8	0.0		100.0	0.0	0.0		
PHF	0.500	0.673	0.000	0.661	0.837	0.594	0.000	0.774	0.550	0.000	0.000	0.550	0.783
Cars	1	35	0	36	73	19	0	92	11	0	0	11	139
Cars %	50.0	100.0	0.0	97.3	94.8	100.0	0.0	95.8	100.0	0.0	0.0	100.0	96.5
Heavy Vehicles	1	0	0	1	4	0	0	4	0	0	0	0	5
Heavy Vehicles %	50.0	0.0	0.0	2.7	5.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	3.5
Cars Enter Leg	1	35	0	36	73	19	0	92	11	0	0	11	139
Heavy Enter Leg	1	0	0	1	4	0	0	4	0	0	0	0	5
Total Entering Leg	2	35	0	37	77	19	0	96	11	0	0	11	144
Cars Exiting Leg				73				46				20	139
Heavy Exiting Leg				4				0				1	5
Total Exiting Leg				77				46				21	144

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Cars

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	3	0	3	9	4	0	13	3	1	0	4	20
7:15 AM	0	3	0	3	7	5	0	12	2	0	0	2	17
7:30 AM	0	2	0	2	20	1	0	21	2	0	0	2	25
7:45 AM	1	13	0	14	21	6	0	27	5	0	0	5	46
Total	1	21	0	22	57	16	0	73	12	1	0	13	108
8:00 AM	0	7	0	7	13	3	0	16	2	0	0	2	25
8:15 AM	0	10	0	10	21	8	0	29	1	0	0	1	40
8:30 AM	0	5	0	5	18	2	0	20	3	0	0	3	28
8:45 AM	0	9	0	9	21	6	0	27	5	0	0	5	41
Total	0	31	0	31	73	19	0	92	11	0	0	11	134
Grand Total	1	52	0	53	130	35	0	165	23	1	0	24	242
Approach %	1.9	98.1	0.0		78.8	21.2	0.0		95.8	4.2	0.0		
Total %	0.4	21.5	0.0	21.9	53.7	14.5	0.0	68.2	9.5	0.4	0.0	9.9	
Exiting Leg Total	131				75				36				242

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:45 AM	1	13	0	14	21	6	0	27	5	0	0	5	46
8:00 AM	0	7	0	7	13	3	0	16	2	0	0	2	25
8:15 AM	0	10	0	10	21	8	0	29	1	0	0	1	40
8:30 AM	0	5	0	5	18	2	0	20	3	0	0	3	28
Total Volume	1	35	0	36	73	19	0	92	11	0	0	11	139
% Approach Total	2.8	97.2	0.0		79.3	20.7	0.0		100.0	0.0	0.0		
PHF	0.250	0.673	0.000	0.643	0.869	0.594	0.000	0.793	0.550	0.000	0.000	0.550	0.755
Entering Leg	1	35	0	36	73	19	0	92	11	0	0	11	139
Exiting Leg				73				46				20	139
Total				109				138				31	278

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	1	0	2	2	0	0	2	0	0	0	0	4
7:30 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	0	3	3	0	0	3	0	0	0	0	6
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	1	2	0	0	2	0	0	0	0	3
8:30 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
8:45 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
Total	1	0	0	1	6	0	0	6	0	0	0	0	7
Grand Total	2	2	0	4	9	0	0	9	0	0	0	0	13
Approach %	50.0	50.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
Total %	15.4	15.4	0.0	30.8	69.2	0.0	0.0	69.2	0.0	0.0	0.0	0.0	
Exiting Leg Total	9				2				2				13
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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
Exiting Leg Total	0				0				0				0
Single-Unit Trucks	1	2	0	3	9	0	0	9	0	0	0	0	12
% Single-Unit	50.0	100.0	0.0	75.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	92.3
Exiting Leg Total	9				2				1				12
Articulated Trucks	1	0	0	1	0	0	0	0	0	0	0	0	1
% Articulated	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
Exiting Leg Total	0				0				1				1

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

8:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	1	2	0	0	2	0	0	0	0	3
8:30 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
8:45 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
Total Volume	1	0	0	1	6	0	0	6	0	0	0	0	7
% Approach Total	100.0	0.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.250	0.000	0.000	0.250	0.750	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.583
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	0	0	0	6	0	0	6	0	0	0	0	6
Single-Unit %	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	85.7
Articulated Trucks	1	0	0	1	0	0	0	0	0	0	0	0	1
Articulated %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	6	0	0	6	0	0	0	0	6
Articulated Trucks	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Entering Leg	1	0	0	1	6	0	0	6	0	0	0	0	7
Buses				0				0				0	0
Single-Unit Trucks				6				0				0	6
Articulated Trucks				0				0				1	1
Total Exiting Leg				6				0				1	7

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Buses

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Single-Unit Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	1	0	2	2	0	0	2	0	0	0	0	4
7:30 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	0	3	3	0	0	3	0	0	0	0	6
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
8:30 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
8:45 AM	0	0	0	0	2	0	0	2	0	0	0	0	2
Total	0	0	0	0	6	0	0	6	0	0	0	0	6
Grand Total	1	2	0	3	9	0	0	9	0	0	0	0	12
Approach %	33.3	66.7	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
Total %	8.3	16.7	0.0	25.0	75.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	9				2				1				12

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	1	0	2	2	0	0	2	0	0	0	0	4
7:30 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	2	0	3	3	0	0	3	0	0	0	0	6
% Approach Total	33.3	66.7	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.250	0.500	0.000	0.375	0.375	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.375
Entering Leg	1	2	0	3	3	0	0	3	0	0	0	0	6
Exiting Leg				3				2				1	6
Total				6				5				1	12

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Articulated Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	1	0	0	0	0	0	0	0	0	1
Grand Total	1	0	0	1	0	0	0	0	0	0	0	0	1
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				1				1

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Volume	1	0	0	1	0	0	0	0	0	0	0	0	1
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250
Entering Leg	1	0	0	1	0	0	0	0	0	0	0	0	1
Exiting Leg				0				0				1	1
Total				1				0				1	2

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Class: **Bicycles (on Roadway and Crosswalks)**

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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		
Total %	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	
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
% Approach Total	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		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Pedestrians

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
% Approach Total	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	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	7	0	9	21	6	0	27	10	0	0	10	46
4:15 PM	1	13	0	14	18	6	0	24	11	0	0	11	49
4:30 PM	1	11	0	12	18	6	0	24	12	0	0	12	48
4:45 PM	0	7	0	7	24	4	0	28	9	0	0	9	44
Total	4	38	0	42	81	22	0	103	42	0	0	42	187
5:00 PM	1	9	0	10	14	6	0	20	13	0	0	13	43
5:15 PM	1	6	0	7	17	6	0	23	4	0	0	4	34
5:30 PM	1	7	0	8	7	5	0	12	1	0	0	1	21
5:45 PM	0	5	0	5	12	5	0	17	6	0	0	6	28
Total	3	27	0	30	50	22	0	72	24	0	0	24	126
Grand Total	7	65	0	72	131	44	0	175	66	0	0	66	313
Approach %	9.7	90.3	0.0		74.9	25.1	0.0		100.0	0.0	0.0		
Total %	2.2	20.8	0.0	23.0	41.9	14.1	0.0	55.9	21.1	0.0	0.0	21.1	
Exiting Leg Total	131				131				51				313
Cars	7	65	0	72	130	43	0	173	65	0	0	65	310
% Cars	100.0	100.0	0.0	100.0	99.2	97.7	0.0	98.9	98.5	0.0	0.0	98.5	99.0
Exiting Leg Total	130				130				50				310
Heavy Vehicles	0	0	0	0	1	1	0	2	1	0	0	1	3
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.8	2.3	0.0	1.1	1.5	0.0	0.0	1.5	1.0
Exiting Leg Total	1				1				1				3

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	7	0	9	21	6	0	27	10	0	0	10	46
4:15 PM	1	13	0	14	18	6	0	24	11	0	0	11	49
4:30 PM	1	11	0	12	18	6	0	24	12	0	0	12	48
4:45 PM	0	7	0	7	24	4	0	28	9	0	0	9	44
Total Volume	4	38	0	42	81	22	0	103	42	0	0	42	187
% Approach Total	9.5	90.5	0.0		78.6	21.4	0.0		100.0	0.0	0.0		
PHF	0.500	0.731	0.000	0.750	0.844	0.917	0.000	0.920	0.875	0.000	0.000	0.875	0.954
Cars	4	38	0	42	81	22	0	103	41	0	0	41	186
Cars %	100.0	100.0	0.0	100.0	100.0	100.0	0.0	100.0	97.6	0.0	0.0	97.6	99.5
Heavy Vehicles	0	0	0	0	0	0	0	0	1	0	0	1	1
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.4	0.5
Cars Enter Leg	4	38	0	42	81	22	0	103	41	0	0	41	186
Heavy Enter Leg	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Entering Leg	4	38	0	42	81	22	0	103	42	0	0	42	187
Cars Exiting Leg				81				79				26	186
Heavy Exiting Leg				0				1				0	1
Total Exiting Leg				81				80				26	187

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	7	0	9	21	6	0	27	9	0	0	9	45
4:15 PM	1	13	0	14	18	6	0	24	11	0	0	11	49
4:30 PM	1	11	0	12	18	6	0	24	12	0	0	12	48
4:45 PM	0	7	0	7	24	4	0	28	9	0	0	9	44
Total	4	38	0	42	81	22	0	103	41	0	0	41	186
5:00 PM	1	9	0	10	14	6	0	20	13	0	0	13	43
5:15 PM	1	6	0	7	16	6	0	22	4	0	0	4	33
5:30 PM	1	7	0	8	7	5	0	12	1	0	0	1	21
5:45 PM	0	5	0	5	12	4	0	16	6	0	0	6	27
Total	3	27	0	30	49	21	0	70	24	0	0	24	124
Grand Total	7	65	0	72	130	43	0	173	65	0	0	65	310
Approach %	9.7	90.3	0.0		75.1	24.9	0.0		100.0	0.0	0.0		
Total %	2.3	21.0	0.0	23.2	41.9	13.9	0.0	55.8	21.0	0.0	0.0	21.0	
Exiting Leg Total	130				130				50				310

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	7	0	9	21	6	0	27	9	0	0	9	45
4:15 PM	1	13	0	14	18	6	0	24	11	0	0	11	49
4:30 PM	1	11	0	12	18	6	0	24	12	0	0	12	48
4:45 PM	0	7	0	7	24	4	0	28	9	0	0	9	44
Total Volume	4	38	0	42	81	22	0	103	41	0	0	41	186
% Approach Total	9.5	90.5	0.0		78.6	21.4	0.0		100.0	0.0	0.0		
PHF	0.500	0.731	0.000	0.750	0.844	0.917	0.000	0.920	0.854	0.000	0.000	0.854	0.949
Entering Leg	4	38	0	42	81	22	0	103	41	0	0	41	186
Exiting Leg				81				79				26	186
Total				123				182				67	372

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	1	1	0	2	0	0	0	0	2
Grand Total	0	0	0	0	1	1	0	2	1	0	0	1	3
Approach %	0.0	0.0	0.0		50.0	50.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	33.3	33.3	0.0	66.7	33.3	0.0	0.0	33.3	
Exiting Leg Total	1				1				1				3
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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
Exiting Leg Total	0				0				0				0
Single-Unit Trucks	0	0	0	0	1	1	0	2	1	0	0	1	3
% Single-Unit	0.0	0.0	0.0	0.0	100.0	100.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0
Exiting Leg Total	1				1				1				3
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total Volume	0	0	0	0	1	1	0	2	0	0	0	0	2
% Approach Total	0.0	0.0	0.0		50.0	50.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.500
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	0	0	0	1	1	0	2	0	0	0	0	2
Single-Unit %	0.0	0.0	0.0	0.0	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	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
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	1	1	0	2	0	0	0	0	2
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	1	1	0	2	0	0	0	0	2
Buses				0				0				0	0
Single-Unit Trucks				1				0				1	2
Articulated Trucks				0				0				0	0
Total Exiting Leg				1				0				1	2

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Buses

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Single-Unit Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	1	1	0	2	0	0	0	0	2
Grand Total	0	0	0	0	1	1	0	2	1	0	0	1	3
Approach %	0.0	0.0	0.0		50.0	50.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	33.3	33.3	0.0	66.7	33.3	0.0	0.0	33.3	
Exiting Leg Total	1				1				1				3

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total Volume	0	0	0	0	1	1	0	2	0	0	0	0	2
% Approach Total	0.0	0.0	0.0		50.0	50.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.500	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	0	0	0	1	1	0	2	0	0	0	0	2
Exiting Leg				1				0				1	2
Total				1				2				1	4

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Articulated Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Bicycles (on Roadway and Crosswalks)

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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		
Total %	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	
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
% Approach Total	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	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Pedestrians

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
% Approach Total	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	0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	19	0	19	45	2	0	47	3	0	0	3	69
11:15 AM	4	24	0	28	53	4	0	57	2	0	0	2	87
11:30 AM	1	15	0	16	33	5	0	38	9	0	0	9	63
11:45 AM	4	14	0	18	33	6	0	39	14	0	0	14	71
Total	9	72	0	81	164	17	0	181	28	0	0	28	290
12:00 PM	2	26	0	28	44	9	0	53	9	0	0	9	90
12:15 PM	1	19	0	20	53	7	1	61	8	0	0	8	89
12:30 PM	1	15	0	16	35	6	0	41	8	0	0	8	65
12:45 PM	2	17	0	19	40	6	0	46	8	0	0	8	73
Total	6	77	0	83	172	28	1	201	33	0	0	33	317
1:00 PM	1	20	0	21	37	8	0	45	5	0	0	5	71
1:15 PM	1	18	0	19	32	3	0	35	12	0	0	12	66
1:30 PM	2	17	0	19	36	6	0	42	6	0	0	6	67
1:45 PM	3	18	0	21	36	3	0	39	7	0	0	7	67
Total	7	73	0	80	141	20	0	161	30	0	0	30	271
Grand Total	22	222	0	244	477	65	1	543	91	0	0	91	878
Approach %	9.0	91.0	0.0		87.8	12.0	0.2		100.0	0.0	0.0		
Total %	2.5	25.3	0.0	27.8	54.3	7.4	0.1	61.8	10.4	0.0	0.0	10.4	
Exiting Leg Total				477				314				87	878
Cars	22	219	0	241	474	65	1	540	91	0	0	91	872
% Cars	100.0	98.6	0.0	98.8	99.4	100.0	100.0	99.4	100.0	0.0	0.0	100.0	99.3
Exiting Leg Total				474				311				87	872
Heavy Vehicles	0	3	0	3	3	0	0	3	0	0	0	0	6
% Heavy Vehicles	0.0	1.4	0.0	1.2	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.7
Exiting Leg Total				3				3				0	6

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
12:00 PM	2	26	0	28	44	9	0	53	9	0	0	9	90
12:15 PM	1	19	0	20	53	7	1	61	8	0	0	8	89
12:30 PM	1	15	0	16	35	6	0	41	8	0	0	8	65
12:45 PM	2	17	0	19	40	6	0	46	8	0	0	8	73
Total Volume	6	77	0	83	172	28	1	201	33	0	0	33	317
% Approach Total	7.2	92.8	0.0		85.6	13.9	0.5		100.0	0.0	0.0		
PHF	0.750	0.740	0.000	0.741	0.811	0.778	0.250	0.824	0.917	0.000	0.000	0.917	0.881
Cars	6	77	0	83	172	28	1	201	33	0	0	33	317
Cars %	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	100.0	100.0
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Vehicles %	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
Cars Enter Leg	6	77	0	83	172	28	1	201	33	0	0	33	317
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	6	77	0	83	172	28	1	201	33	0	0	33	317
Cars Exiting Leg				172				111				34	317
Heavy Exiting Leg				0				0				0	0
Total Exiting Leg				172				111				34	317

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Cars

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	18	0	18	44	2	0	46	3	0	0	3	67
11:15 AM	4	23	0	27	52	4	0	56	2	0	0	2	85
11:30 AM	1	15	0	16	32	5	0	37	9	0	0	9	62
11:45 AM	4	14	0	18	33	6	0	39	14	0	0	14	71
Total	9	70	0	79	161	17	0	178	28	0	0	28	285
12:00 PM	2	26	0	28	44	9	0	53	9	0	0	9	90
12:15 PM	1	19	0	20	53	7	1	61	8	0	0	8	89
12:30 PM	1	15	0	16	35	6	0	41	8	0	0	8	65
12:45 PM	2	17	0	19	40	6	0	46	8	0	0	8	73
Total	6	77	0	83	172	28	1	201	33	0	0	33	317
1:00 PM	1	20	0	21	37	8	0	45	5	0	0	5	71
1:15 PM	1	18	0	19	32	3	0	35	12	0	0	12	66
1:30 PM	2	17	0	19	36	6	0	42	6	0	0	6	67
1:45 PM	3	17	0	20	36	3	0	39	7	0	0	7	66
Total	7	72	0	79	141	20	0	161	30	0	0	30	270
Grand Total	22	219	0	241	474	65	1	540	91	0	0	91	872
Approach %	9.1	90.9	0.0		87.8	12.0	0.2		100.0	0.0	0.0		
Total %	2.5	25.1	0.0	27.6	54.4	7.5	0.1	61.9	10.4	0.0	0.0	10.4	
Exiting Leg Total	474				311				87				872

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
12:00 PM	2	26	0	28	44	9	0	53	9	0	0	9	90
12:15 PM	1	19	0	20	53	7	1	61	8	0	0	8	89
12:30 PM	1	15	0	16	35	6	0	41	8	0	0	8	65
12:45 PM	2	17	0	19	40	6	0	46	8	0	0	8	73
Total Volume	6	77	0	83	172	28	1	201	33	0	0	33	317
% Approach Total	7.2	92.8	0.0		85.6	13.9	0.5		100.0	0.0	0.0		
PHF	0.750	0.740	0.000	0.741	0.811	0.778	0.250	0.824	0.917	0.000	0.000	0.917	0.881
Entering Leg	6	77	0	83	172	28	1	201	33	0	0	33	317
Exiting Leg				172				111				34	317
Total				255				312				67	634

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:15 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:30 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	2	3	0	0	3	0	0	0	0	5
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	1	0	1	0	0	0	0	0	0	0	0	1
Total	0	1	0	1	0	0	0	0	0	0	0	0	1
Grand Total	0	3	0	3	3	0	0	3	0	0	0	0	6
Approach %	0.0	100.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
Total %	0.0	50.0	0.0	50.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	3				3				0				6
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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
Exiting Leg Total	0				0				0				0
Single-Unit Trucks	0	2	0	2	3	0	0	3	0	0	0	0	5
% Single-Unit	0.0	66.7	0.0	66.7	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	83.3
Exiting Leg Total	3				2				0				5
Articulated Trucks	0	1	0	1	0	0	0	0	0	0	0	0	1
% Articulated	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7
Exiting Leg Total	0				1				0				1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:15 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:30 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	0	2	3	0	0	3	0	0	0	0	5
% Approach Total	0.0	100.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.500	0.000	0.500	0.750	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.625
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	1	0	1	3	0	0	3	0	0	0	0	4
Single-Unit %	0.0	50.0	0.0	50.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	80.0
Articulated Trucks	0	1	0	1	0	0	0	0	0	0	0	0	1
Articulated %	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	1	0	1	3	0	0	3	0	0	0	0	4
Articulated Trucks	0	1	0	1	0	0	0	0	0	0	0	0	1
Total Entering Leg	0	2	0	2	3	0	0	3	0	0	0	0	5
Buses				0				0					0
Single-Unit Trucks				3				1					4
Articulated Trucks				0				1					1
Total Exiting Leg				3				2					5

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Buses

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Single-Unit Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:15 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:30 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	1	3	0	0	3	0	0	0	0	4
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	1	0	1	0	0	0	0	0	0	0	0	1
Total	0	1	0	1	0	0	0	0	0	0	0	0	1
Grand Total	0	2	0	2	3	0	0	3	0	0	0	0	5
Approach %	0.0	100.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
Total %	0.0	40.0	0.0	40.0	60.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	3				2				0				5

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:15 AM	0	1	0	1	1	0	0	1	0	0	0	0	2
11:30 AM	0	0	0	0	1	0	0	1	0	0	0	0	1
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	1	0	1	3	0	0	3	0	0	0	0	4
% Approach Total	0.0	100.0	0.0		100.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.250	0.750	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	1	0	1	3	0	0	3	0	0	0	0	4
Exiting Leg				3				1				0	4
Total				4				4				0	8

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Articulated Trucks

	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	1	0	0	0	0	0	0	0	0	1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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
Grand Total	0	1	0	1	0	0	0	0	0	0	0	0	1
Approach %	0.0	100.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				1				0				1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Lowes Driveway				Old Church Street				Old Church Street				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	1
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	1	0	1	0	0	0	0	0	0	0	0	1
% Approach Total	0.0	100.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250
Entering Leg	0	1	0	1	0	0	0	0	0	0	0	0	1
Exiting Leg				0				1				0	1
Total				1				1				0	2

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**



Class: **Bicycles (on Roadway and Crosswalks)**

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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	0	0	0	0	0	0
1:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Approach %	0.0	100.0	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		
Total %	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0						1						0						1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:15 PM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
% Approach Total	0.0	100.0	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	
PHF	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.250
Entering Leg	0	1	0	0	0	1	0	0	0	0	0	0		0	0	0	0	0	1
Exiting Leg	0						1						0						1
Total	1						1						0						2

PDI File #: **228907 A**
 Location: **N: Lowes Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Pedestrians

	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Lowes Driveway						Old Church Street						Old Church Street						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
% Approach Total	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	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Cars and Heavy Vehicles (Combined)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	1	0	0	1	0	12	0	12	5	1	0	6	19
7:15 AM	0	0	0	0	0	14	0	14	6	1	0	7	21
7:30 AM	0	0	0	0	0	22	1	23	5	0	0	5	28
7:45 AM	0	0	0	0	0	27	1	28	18	0	0	18	46
Total	1	0	0	1	0	75	2	77	34	2	0	36	114
8:00 AM	0	1	0	1	1	16	1	18	9	0	0	9	28
8:15 AM	1	0	0	1	1	30	0	31	11	0	0	11	43
8:30 AM	0	0	0	0	2	22	0	24	5	2	0	7	31
8:45 AM	0	0	0	0	1	28	0	29	14	1	0	15	44
Total	1	1	0	2	5	96	1	102	39	3	0	42	146
Grand Total	2	1	0	3	5	171	3	179	73	5	0	78	260
Approach %	66.7	33.3	0.0		2.8	95.5	1.7		93.6	6.4	0.0		
Total %	0.8	0.4	0.0	1.2	1.9	65.8	1.2	68.8	28.1	1.9	0.0	30.0	
Exiting Leg Total	10				77				173				260
Cars	2	1	0	3	5	164	3	172	70	5	0	75	250
% Cars	100.0	100.0	0.0	100.0	100.0	95.9	100.0	96.1	95.9	100.0	0.0	96.2	96.2
Exiting Leg Total	10				74				166				250
Heavy Vehicles	0	0	0	0	0	7	0	7	3	0	0	3	10
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	4.1	0.0	3.9	4.1	0.0	0.0	3.8	3.8
Exiting Leg Total	0				3				7				10

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:45 AM	0	0	0	0	0	27	1	28	18	0	0	18	46
8:00 AM	0	1	0	1	1	16	1	18	9	0	0	9	28
8:15 AM	1	0	0	1	1	30	0	31	11	0	0	11	43
8:30 AM	0	0	0	0	2	22	0	24	5	2	0	7	31
Total Volume	1	1	0	2	4	95	2	101	43	2	0	45	148
% Approach Total	50.0	50.0	0.0		4.0	94.1	2.0		95.6	4.4	0.0		
PHF	0.250	0.250	0.000	0.500	0.500	0.792	0.500	0.815	0.597	0.250	0.000	0.625	0.804
Cars	1	1	0	2	4	93	2	99	43	2	0	45	146
Cars %	100.0	100.0	0.0	100.0	100.0	97.9	100.0	98.0	100.0	100.0	0.0	100.0	98.6
Heavy Vehicles	0	0	0	0	0	2	0	2	0	0	0	0	2
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.0	0.0	0.0	0.0	0.0	1.4
Cars Enter Leg	1	1	0	2	4	93	2	99	43	2	0	45	146
Heavy Enter Leg	0	0	0	0	0	2	0	2	0	0	0	0	2
Total Entering Leg	1	1	0	2	4	95	2	101	43	2	0	45	148
Cars Exiting Leg					6				46				94
Heavy Exiting Leg					0				0				2
Total Exiting Leg					6				46				96

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Cars

	Old Church Street					Panera Bread Driveway				Old Church Street				Total
	from East					from South				from West				
	Thru	Left	U-Turn	Total		Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	1	0	0	0	1	0	12	0	12	5	1	0	6	19
7:15 AM	0	0	0	0	0	0	12	0	12	5	1	0	6	18
7:30 AM	0	0	0	0	0	0	21	1	22	3	0	0	3	25
7:45 AM	0	0	0	0	0	0	27	1	28	18	0	0	18	46
Total	1	0	0	0	1	0	72	2	74	31	2	0	33	108
8:00 AM	0	1	0	1	1	1	15	1	17	9	0	0	9	27
8:15 AM	1	0	0	1	1	1	29	0	30	11	0	0	11	42
8:30 AM	0	0	0	0	0	2	22	0	24	5	2	0	7	31
8:45 AM	0	0	0	0	0	1	26	0	27	14	1	0	15	42
Total	1	1	0	0	2	5	92	1	98	39	3	0	42	142
Grand Total	2	1	0	3	3	5	164	3	172	70	5	0	75	250
Approach %	66.7	33.3	0.0			2.9	95.3	1.7		93.3	6.7	0.0		
Total %	0.8	0.4	0.0	1.2		2.0	65.6	1.2	68.8	28.0	2.0	0.0	30.0	
Exiting Leg Total	10					74				166				250

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:45 AM	0	0	0	0	0	27	1	28	18	0	0	18	46
8:00 AM	0	1	0	1	1	15	1	17	9	0	0	9	27
8:15 AM	1	0	0	1	1	29	0	30	11	0	0	11	42
8:30 AM	0	0	0	0	2	22	0	24	5	2	0	7	31
Total Volume	1	1	0	2	4	93	2	99	43	2	0	45	146
% Approach Total	50.0	50.0	0.0		4.0	93.9	2.0		95.6	4.4	0.0		
PHF	0.250	0.250	0.000	0.500	0.500	0.802	0.500	0.825	0.597	0.250	0.000	0.625	0.793
Entering Leg	1	1	0	2	4	93	2	99	43	2	0	45	146
Exiting Leg				6				46				94	146
Total				8				145				139	292

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	2	0	2	1	0	0	1	3
7:30 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	3	0	3	3	0	0	3	6
8:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
8:15 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total	0	0	0	0	0	4	0	4	0	0	0	0	4
Grand Total	0	0	0	0	0	7	0	7	3	0	0	3	10
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	70.0	0.0	70.0	30.0	0.0	0.0	30.0	
Exiting Leg Total	0				3				7				10
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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
Exiting Leg Total	0				0				0				0
Single-Unit Trucks	0	0	0	0	0	7	0	7	3	0	0	3	10
% Single-Unit	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0
Exiting Leg Total	0				3				7				10
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:15 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:15 AM	0	0	0	0	0	2	0	2	1	0	0	1	3
7:30 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total Volume	0	0	0	0	0	4	0	4	3	0	0	3	7
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.375	0.000	0.000	0.375	0.583
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	0	0	0	0	4	0	4	3	0	0	3	7
Single-Unit %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	100.0	0.0	0.0	100.0	100.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	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
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	0	4	0	4	3	0	0	3	7
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	4	0	4	3	0	0	3	7
Buses				0				0				0	0
Single-Unit Trucks				0				3				4	7
Articulated Trucks				0				0				0	0
Total Exiting Leg				0				3				4	7

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Buses

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Single-Unit Trucks

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	2	0	2	1	0	0	1	3
7:30 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	3	0	3	3	0	0	3	6
8:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
8:15 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total	0	0	0	0	0	4	0	4	0	0	0	0	4
Grand Total	0	0	0	0	0	7	0	7	3	0	0	3	10
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	70.0	0.0	70.0	30.0	0.0	0.0	30.0	
Exiting Leg Total	0				3				7				10

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:15 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:15 AM	0	0	0	0	0	2	0	2	1	0	0	1	3
7:30 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total Volume	0	0	0	0	0	4	0	4	3	0	0	3	7
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.375	0.000	0.000	0.375	0.583
Entering Leg	0	0	0	0	0	4	0	4	3	0	0	3	7
Exiting Leg				0				3				4	7
Total				0				7				7	14

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Articulated Trucks

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Bicycles (on Roadway and Crosswalks)

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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		
Total %	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	
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
% Approach Total	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	0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Pedestrians

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0
% Approach Total	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	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	2	1	0	3	0	24	0	24	15	1	0	16	43
4:15 PM	2	1	0	3	2	23	0	25	21	4	0	25	53
4:30 PM	2	1	0	3	1	21	0	22	17	2	0	19	44
4:45 PM	2	0	0	2	0	26	0	26	16	2	0	18	46
Total	8	3	0	11	3	94	0	97	69	9	0	78	186
5:00 PM	3	3	0	6	0	17	0	17	19	3	0	22	45
5:15 PM	2	1	0	3	0	21	0	21	7	3	0	10	34
5:30 PM	3	6	0	9	4	8	0	12	6	2	0	8	29
5:45 PM	2	4	0	6	0	16	0	16	9	2	0	11	33
Total	10	14	0	24	4	62	0	66	41	10	0	51	141
Grand Total	18	17	0	35	7	156	0	163	110	19	0	129	327
Approach %	51.4	48.6	0.0		4.3	95.7	0.0		85.3	14.7	0.0		
Total %	5.5	5.2	0.0	10.7	2.1	47.7	0.0	49.8	33.6	5.8	0.0	39.4	
Exiting Leg Total	26				127				174				327
Cars	18	17	0	35	7	151	0	158	109	19	0	128	321
% Cars	100.0	100.0	0.0	100.0	100.0	96.8	0.0	96.9	99.1	100.0	0.0	99.2	98.2
Exiting Leg Total	26				126				169				321
Heavy Vehicles	0	0	0	0	0	5	0	5	1	0	0	1	6
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.1	0.9	0.0	0.0	0.8	1.8
Exiting Leg Total	0				1				5				6

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:15 PM	2	1	0	3	2	23	0	25	21	4	0	25	53
4:30 PM	2	1	0	3	1	21	0	22	17	2	0	19	44
4:45 PM	2	0	0	2	0	26	0	26	16	2	0	18	46
5:00 PM	3	3	0	6	0	17	0	17	19	3	0	22	45
Total Volume	9	5	0	14	3	87	0	90	73	11	0	84	188
% Approach Total	64.3	35.7	0.0		3.3	96.7	0.0		86.9	13.1	0.0		
PHF	0.750	0.417	0.000	0.583	0.375	0.837	0.000	0.865	0.869	0.688	0.000	0.840	0.887
Cars	9	5	0	14	3	87	0	90	73	11	0	84	188
Cars %	100.0	100.0	0.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	0.0	100.0	100.0
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Vehicles %	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
Cars Enter Leg	9	5	0	14	3	87	0	90	73	11	0	84	188
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	9	5	0	14	3	87	0	90	73	11	0	84	188
Cars Exiting Leg				14				78				96	188
Heavy Exiting Leg				0				0				0	0
Total Exiting Leg				14				78				96	188

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars

	Old Church Street					Panera Bread Driveway				Old Church Street				Total
	from East					from South				from West				
	Thru	Left	U-Turn	Total		Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	2	1	0	0	3	0	24	0	24	14	1	0	15	42
4:15 PM	2	1	0	0	3	2	23	0	25	21	4	0	25	53
4:30 PM	2	1	0	0	3	1	21	0	22	17	2	0	19	44
4:45 PM	2	0	0	0	2	0	26	0	26	16	2	0	18	46
Total	8	3	0	0	11	3	94	0	97	68	9	0	77	185
5:00 PM	3	3	0	0	6	0	17	0	17	19	3	0	22	45
5:15 PM	2	1	0	0	3	0	19	0	19	7	3	0	10	32
5:30 PM	3	6	0	0	9	4	7	0	11	6	2	0	8	28
5:45 PM	2	4	0	0	6	0	14	0	14	9	2	0	11	31
Total	10	14	0	0	24	4	57	0	61	41	10	0	51	136
Grand Total	18	17	0	0	35	7	151	0	158	109	19	0	128	321
Approach %	51.4	48.6	0.0			4.4	95.6	0.0		85.2	14.8	0.0		
Total %	5.6	5.3	0.0	10.9		2.2	47.0	0.0	49.2	34.0	5.9	0.0	39.9	
Exiting Leg Total	26					126				169				321

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:15 PM	2	1	0	3	2	23	0	25	21	4	0	25	53
4:30 PM	2	1	0	3	1	21	0	22	17	2	0	19	44
4:45 PM	2	0	0	2	0	26	0	26	16	2	0	18	46
5:00 PM	3	3	0	6	0	17	0	17	19	3	0	22	45
Total Volume	9	5	0	14	3	87	0	90	73	11	0	84	188
% Approach Total	64.3	35.7	0.0		3.3	96.7	0.0		86.9	13.1	0.0		
PHF	0.750	0.417	0.000	0.583	0.375	0.837	0.000	0.865	0.869	0.688	0.000	0.840	0.887
Entering Leg	9	5	0	14	3	87	0	90	73	11	0	84	188
Exiting Leg				14				78				96	188
Total				28				168				180	376

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
5:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
5:45 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total	0	0	0	0	0	5	0	5	0	0	0	0	5
Grand Total	0	0	0	0	0	5	0	5	1	0	0	1	6
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	83.3	0.0	83.3	16.7	0.0	0.0	16.7	
Exiting Leg Total	0				1				5				6
Buses	0	0	0	0	0	0	0	0	1	0	0	1	1
% Buses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	16.7
Exiting Leg Total	0				1				0				1
Single-Unit Trucks	0	0	0	0	0	5	0	5	0	0	0	0	5
% Single-Unit	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	83.3
Exiting Leg Total	0				0				5				5
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
5:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
5:45 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total Volume	0	0	0	0	0	5	0	5	0	0	0	0	5
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.625	0.000	0.000	0.000	0.000	0.625
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	0	0	0	0	5	0	5	0	0	0	0	5
Single-Unit %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	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
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	0	5	0	5	0	0	0	0	5
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	0	0	0	0	0	5	0	5	0	0	0	0	5
Buses	0				0				0				0
Single-Unit Trucks	0				0				5				5
Articulated Trucks	0				0				0				0
Total Exiting Leg	0				0				5				5

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Buses

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	1	0	0	1	1
Approach %	0.0	0.0	0.0		0.0	0.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	
Exiting Leg Total	0				1				0				1

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	1	0	0	1	1
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.250
Entering Leg	0	0	0	0	0	0	0	0	1	0	0	1	1
Exiting Leg				0				1				0	1
Total				0				1				1	2

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Single-Unit Trucks

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
5:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
5:45 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total	0	0	0	0	0	5	0	5	0	0	0	0	5
Grand Total	0	0	0	0	0	5	0	5	0	0	0	0	5
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				5				5

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
5:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
5:45 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
Total Volume	0	0	0	0	0	5	0	5	0	0	0	0	5
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.625	0.000	0.000	0.000	0.000	0.625
Entering Leg	0	0	0	0	0	5	0	5	0	0	0	0	5
Exiting Leg				0				0				5	5
Total				0				5				5	10

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Articulated Trucks

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Class: **Bicycles (on Roadway and Crosswalks)**

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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		
Total %	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	
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
% Approach Total	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	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Thursday, October 20, 2022**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Pedestrians

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
% Approach Total	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	0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	1	1	0	2	0	51	0	51	22	3	0	25	78
11:15 AM	2	3	0	5	0	51	0	51	22	0	0	22	78
11:30 AM	1	1	0	2	0	38	1	39	23	6	0	29	70
11:45 AM	2	2	0	4	3	40	0	43	22	0	0	22	69
Total	6	7	0	13	3	180	1	184	89	9	0	98	295
12:00 PM	2	2	0	4	1	47	1	49	29	3	0	32	85
12:15 PM	2	1	0	3	1	58	0	59	27	1	0	28	90
12:30 PM	2	2	0	4	1	41	0	42	19	4	0	23	69
12:45 PM	1	2	0	3	0	45	1	46	21	4	0	25	74
Total	7	7	0	14	3	191	2	196	96	12	0	108	318
1:00 PM	5	3	0	8	0	41	0	41	23	1	0	24	73
1:15 PM	1	4	0	5	2	31	0	33	31	3	0	34	72
1:30 PM	1	2	0	3	1	40	0	41	19	3	0	22	66
1:45 PM	5	4	0	9	1	35	0	36	21	1	0	22	67
Total	12	13	0	25	4	147	0	151	94	8	0	102	278
Grand Total	25	27	0	52	10	518	3	531	279	29	0	308	891
Approach %	48.1	51.9	0.0		1.9	97.6	0.6		90.6	9.4	0.0		
Total %	2.8	3.0	0.0	5.8	1.1	58.1	0.3	59.6	31.3	3.3	0.0	34.6	
Exiting Leg Total	39				309				543				891
Cars	25	27	0	52	10	516	3	529	276	29	0	305	886
% Cars	100.0	100.0	0.0	100.0	100.0	99.6	100.0	99.6	98.9	100.0	0.0	99.0	99.4
Exiting Leg Total	39				306				541				886
Heavy Vehicles	0	0	0	0	0	2	0	2	3	0	0	3	5
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	1.1	0.0	0.0	1.0	0.6
Exiting Leg Total	0				3				2				5

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
12:00 PM	2	2	0	4	1	47	1	49	29	3	0	32	85
12:15 PM	2	1	0	3	1	58	0	59	27	1	0	28	90
12:30 PM	2	2	0	4	1	41	0	42	19	4	0	23	69
12:45 PM	1	2	0	3	0	45	1	46	21	4	0	25	74
Total Volume	7	7	0	14	3	191	2	196	96	12	0	108	318
% Approach Total	50.0	50.0	0.0		1.5	97.4	1.0		88.9	11.1	0.0		
PHF	0.875	0.875	0.000	0.875	0.750	0.823	0.500	0.831	0.828	0.750	0.000	0.844	0.883
Cars	7	7	0	14	3	191	2	196	96	12	0	108	318
Cars %	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0
Heavy Vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Vehicles %	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
Cars Enter Leg	7	7	0	14	3	191	2	196	96	12	0	108	318
Heavy Enter Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	7	7	0	14	3	191	2	196	96	12	0	108	318
Cars Exiting Leg				15				105				198	318
Heavy Exiting Leg				0				0				0	0
Total Exiting Leg				15				105				198	318

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Cars

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	1	1	0	2	0	50	0	50	21	3	0	24	76
11:15 AM	2	3	0	5	0	50	0	50	21	0	0	21	76
11:30 AM	1	1	0	2	0	38	1	39	23	6	0	29	70
11:45 AM	2	2	0	4	3	40	0	43	22	0	0	22	69
Total	6	7	0	13	3	178	1	182	87	9	0	96	291
12:00 PM	2	2	0	4	1	47	1	49	29	3	0	32	85
12:15 PM	2	1	0	3	1	58	0	59	27	1	0	28	90
12:30 PM	2	2	0	4	1	41	0	42	19	4	0	23	69
12:45 PM	1	2	0	3	0	45	1	46	21	4	0	25	74
Total	7	7	0	14	3	191	2	196	96	12	0	108	318
1:00 PM	5	3	0	8	0	41	0	41	23	1	0	24	73
1:15 PM	1	4	0	5	2	31	0	33	31	3	0	34	72
1:30 PM	1	2	0	3	1	40	0	41	19	3	0	22	66
1:45 PM	5	4	0	9	1	35	0	36	20	1	0	21	66
Total	12	13	0	25	4	147	0	151	93	8	0	101	277
Grand Total	25	27	0	52	10	516	3	529	276	29	0	305	886
Approach %	48.1	51.9	0.0		1.9	97.5	0.6		90.5	9.5	0.0		
Total %	2.8	3.0	0.0	5.9	1.1	58.2	0.3	59.7	31.2	3.3	0.0	34.4	
Exiting Leg Total	39				306				541				886

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
12:00 PM	2	2	0	4	1	47	1	49	29	3	0	32	85
12:15 PM	2	1	0	3	1	58	0	59	27	1	0	28	90
12:30 PM	2	2	0	4	1	41	0	42	19	4	0	23	69
12:45 PM	1	2	0	3	0	45	1	46	21	4	0	25	74
Total Volume	7	7	0	14	3	191	2	196	96	12	0	108	318
% Approach Total	50.0	50.0	0.0		1.5	97.4	1.0		88.9	11.1	0.0		
PHF	0.875	0.875	0.000	0.875	0.750	0.823	0.500	0.831	0.828	0.750	0.000	0.844	0.883
Entering Leg	7	7	0	14	3	191	2	196	96	12	0	108	318
Exiting Leg				15				105				198	318
Total				29				301				306	636

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:15 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2	0	2	2	0	0	2	4
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	2	0	2	3	0	0	3	5
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	40.0	0.0	40.0	60.0	0.0	0.0	60.0	
Exiting Leg Total				0				3				2	5
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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
Exiting Leg Total				0				0				0	0
Single-Unit Trucks	0	0	0	0	0	2	0	2	2	0	0	2	4
% Single-Unit	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	66.7	0.0	0.0	66.7	80.0
Exiting Leg Total				0				2				2	4
Articulated Trucks	0	0	0	0	0	0	0	0	1	0	0	1	1
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	33.3	20.0
Exiting Leg Total				0				1				0	1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:15 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	2	0	2	2	0	0	2	4
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.500	0.500
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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
Single-Unit Trucks	0	0	0	0	0	2	0	2	1	0	0	1	3
Single-Unit %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	50.0	0.0	0.0	50.0	75.0
Articulated Trucks	0	0	0	0	0	0	0	0	1	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	25.0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	0	2	0	2	1	0	0	1	3
Articulated Trucks	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Entering Leg	0	0	0	0	0	2	0	2	2	0	0	2	4
Buses				0				0				0	0
Single-Unit Trucks				0				1				2	3
Articulated Trucks				0				1				0	1
Total Exiting Leg				0				2				2	4

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Buses

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Single-Unit Trucks

	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
11:15 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2	0	2	1	0	0	1	3
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	0	0	0	2	0	2	2	0	0	2	4
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	50.0	0.0	50.0	50.0	0.0	0.0	50.0	
Exiting Leg Total	0				2				2				4

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
11:15 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	2	0	2	1	0	0	1	3
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.250	0.000	0.000	0.250	0.375
Entering Leg	0	0	0	0	0	2	0	2	1	0	0	1	3
Exiting Leg				0				1				2	3
Total				0				3				3	6

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Articulated Trucks

	Old Church Street					Panera Bread Driveway					Old Church Street					Total
	from East					from South					from West					
	Thru	Left	U-Turn	Total		Right	Left	U-Turn	Total		Right	Thru	U-Turn	Total		
11:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	1	0	0	0	1	1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Approach %	0.0	0.0	0.0			0.0	0.0	0.0			100.0	0.0	0.0			
Total %	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		100.0	0.0	0.0	100.0		
Exiting Leg Total	0					1					0					1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Old Church Street				Panera Bread Driveway				Old Church Street				Total
	from East				from South				from West				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	1
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	1	0	0	1	1
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.250
Entering Leg	0	0	0	0	0	0	0	0	1	0	0	1	1
Exiting Leg				0				1				0	1
Total				0				1				1	2

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**



Class: **Bicycles (on Roadway and Crosswalks)**

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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	1	0	0	0	0	1	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Approach %	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	
Exiting Leg Total	0						1						0						1

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:15 PM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.250
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Exiting Leg	0						1						0						1
Total	0						1						1						2

PDI File #: **228907 B**
 Location: **S: Panera Bread Driveway**
 Location: **E: Old Church Street W: Old Church Street**
 City, State: **Pembroke, MA**
 Client: **VHB/ P. Dunford**
 Site Code: **15831.00**
 Count Date: **Saturday, October 22, 2022**
 Start Time: **11:00 AM**
 End Time: **2:00 PM**
 Class:



Pedestrians

	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	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	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0	0	0	0	0	0
Exiting Leg Total	0						0						0						0

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

11:00 AM	Old Church Street						Panera Bread Driveway						Old Church Street						Total
	from East						from South						from West						
	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	U-Turn	CW-NB	CW-SB	Total	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	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	0	0	0	0	0	0
% Approach Total	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		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0						0						0						0
Total	0						0						0						0

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831



PDI File #: 228907 ATR-A

Count Date: Thursday, October 20, 2022
Direction: EB

AM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	0	0	0
12:15 AM	0	0	0	0	0	0	0
12:30 AM	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0
1:15 AM	0	0	0	0	0	0	0
1:30 AM	0	0	1	0	0	0	1
1:45 AM	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0
3:15 AM	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	1	0	1	0	2
4:15 AM	0	0	0	0	0	0	0
4:30 AM	0	0	1	0	0	0	1
4:45 AM	0	0	2	0	0	0	2
5:00 AM	0	0	0	0	0	0	0
5:15 AM	0	0	1	0	0	0	1
5:30 AM	0	0	1	0	0	0	1
5:45 AM	0	0	2	0	0	0	2
6:00 AM	0	0	2	0	0	0	2
6:15 AM	0	0	2	0	0	0	2
6:30 AM	0	0	1	0	0	0	1
6:45 AM	0	0	3	0	0	0	3
7:00 AM	0	0	6	0	0	0	6
7:15 AM	0	0	5	0	0	0	5
7:30 AM	0	0	3	0	0	0	3
7:45 AM	0	0	15	0	0	0	15
8:00 AM	0	0	8	0	0	0	8
8:15 AM	0	0	11	0	0	0	11
8:30 AM	0	0	8	0	0	0	8
8:45 AM	0	0	14	0	0	0	14
9:00 AM	0	0	12	0	2	0	14
9:15 AM	0	0	16	1	0	0	17
9:30 AM	0	0	16	0	0	0	16
9:45 AM	0	0	12	0	0	0	12
10:00 AM	0	0	25	0	0	0	25
10:15 AM	0	0	12	0	0	0	12
10:30 AM	0	0	15	0	0	0	15
10:45 AM	0	0	17	0	0	0	17
11:00 AM	0	0	13	0	0	0	13
11:15 AM	0	0	20	0	1	0	21
11:30 AM	0	0	16	0	0	0	16
11:45 AM	0	0	23	0	0	0	23

AM Total	0	0	284	1	4	0	289
Percentage	0.00%	0.00%	98.27%	0.35%	1.38%	0.00%	

AM Peak	12:00 AM	12:00 AM	11:00 AM	8:30 AM	8:15 AM	12:00 AM	11:00 AM
Volume	0	0	72	1	2	0	73

PM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	23	0	0	1	24
12:15 PM	0	0	22	0	0	0	22
12:30 PM	0	0	26	0	1	0	27
12:45 PM	0	0	22	0	1	0	23
1:00 PM	0	0	21	0	0	0	21
1:15 PM	0	0	30	0	0	0	30
1:30 PM	0	0	27	0	1	0	28
1:45 PM	0	0	22	0	0	0	22
2:00 PM	0	0	13	0	0	0	13
2:15 PM	0	0	23	0	0	0	23
2:30 PM	0	0	17	0	0	1	18
2:45 PM	0	0	20	0	1	0	21
3:00 PM	0	0	19	0	1	0	20
3:15 PM	0	0	18	0	0	0	18
3:30 PM	0	0	14	0	0	0	14
3:45 PM	0	0	20	0	0	0	20
4:00 PM	0	0	15	0	2	0	17
4:15 PM	0	0	25	0	0	0	25
4:30 PM	0	0	23	0	0	0	23
4:45 PM	0	0	16	0	0	0	16
5:00 PM	0	0	20	0	0	0	20
5:15 PM	0	0	9	0	0	0	9
5:30 PM	0	0	8	0	0	0	8
5:45 PM	0	0	10	0	0	0	10
6:00 PM	0	0	15	0	0	0	15
6:15 PM	0	0	10	0	0	0	10
6:30 PM	0	0	14	0	0	0	14
6:45 PM	0	0	9	0	0	0	9
7:00 PM	0	0	8	0	0	0	8
7:15 PM	0	0	11	0	0	0	11
7:30 PM	0	0	8	0	0	0	8
7:45 PM	0	0	3	0	0	0	3
8:00 PM	0	0	4	0	0	0	4
8:15 PM	0	0	7	0	0	0	7
8:30 PM	0	0	4	0	0	0	4
8:45 PM	0	0	0	0	0	0	0
9:00 PM	0	0	4	0	0	0	4
9:15 PM	0	0	3	0	0	0	3
9:30 PM	0	0	3	0	0	0	3
9:45 PM	0	0	2	0	0	0	2
10:00 PM	0	0	3	0	0	0	3
10:15 PM	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0
10:45 PM	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0

PM Total	0	0	571	0	7	2	580
Percentage	0.00%	0.00%	98.45%	0.00%	1.21%	0.34%	

PM Peak	12:00 PM	12:00 PM	12:45 PM	12:00 PM	12:00 PM	12:00 PM	12:45 PM
Volume	0	0	100	0	2	1	102

Day Total	0	0	855	1	11	2	869
Percentage	0.00%	0.00%	98.39%	0.12%	1.27%	0.23%	

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831



PDI File #: 228907 ATR-A

Count Date: Saturday, October 22, 2022
Direction: EB

AM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	0	0	0
12:15 AM	0	0	1	0	0	0	1
12:30 AM	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0
1:15 AM	0	0	0	0	0	0	0
1:30 AM	0	0	0	0	0	0	0
1:45 AM	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0
3:15 AM	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0
4:15 AM	0	0	1	0	0	0	1
4:30 AM	0	0	1	0	0	0	1
4:45 AM	0	0	1	0	0	0	1
5:00 AM	0	0	3	0	0	0	3
5:15 AM	0	0	0	0	0	0	0
5:30 AM	0	0	1	0	0	0	1
5:45 AM	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0
6:15 AM	0	0	2	0	0	0	2
6:30 AM	0	0	3	0	0	0	3
6:45 AM	0	0	4	0	0	0	4
7:00 AM	0	0	3	0	0	0	3
7:15 AM	0	0	1	0	1	0	2
7:30 AM	0	0	2	0	0	0	2
7:45 AM	0	0	9	0	0	0	9
8:00 AM	0	0	10	0	0	0	10
8:15 AM	0	0	14	0	0	0	14
8:30 AM	0	0	11	0	1	0	12
8:45 AM	0	0	10	0	0	0	10
9:00 AM	0	0	15	0	0	0	15
9:15 AM	0	0	14	0	0	0	14
9:30 AM	0	0	12	0	0	0	12
9:45 AM	0	0	23	0	0	0	23
10:00 AM	0	0	23	0	0	0	23
10:15 AM	0	0	10	0	0	0	10
10:30 AM	0	0	27	0	0	0	27
10:45 AM	0	0	20	0	0	0	20
11:00 AM	0	1	17	0	0	0	18
11:15 AM	0	0	17	0	1	0	18
11:30 AM	0	0	23	0	0	0	23
11:45 AM	0	0	20	0	0	0	20

AM Total	0	1	298	0	3	0	302
Percentage	0.00%	0.33%	98.68%	0.00%	0.99%	0.00%	

AM Peak	12:00 AM	10:15 AM	9:45 AM	12:00 AM	6:30 AM	12:00 AM	9:45 AM
Volume	0	1	83	0	1	0	83

PM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	32	0	0	0	32
12:15 PM	0	0	30	0	0	0	30
12:30 PM	0	0	23	0	0	0	23
12:45 PM	0	0	23	0	0	0	23
1:00 PM	0	1	14	0	0	0	15
1:15 PM	0	0	26	0	0	0	26
1:30 PM	0	0	20	0	0	0	20
1:45 PM	0	0	20	0	1	0	21
2:00 PM	0	0	24	0	0	0	24
2:15 PM	0	0	14	0	0	0	14
2:30 PM	0	0	23	0	0	0	23
2:45 PM	0	0	19	0	0	0	19
3:00 PM	0	0	13	0	0	0	13
3:15 PM	0	0	16	0	0	0	16
3:30 PM	0	0	14	0	0	0	14
3:45 PM	0	0	14	0	0	0	14
4:00 PM	0	1	5	0	0	0	6
4:15 PM	0	0	11	0	0	0	11
4:30 PM	0	1	16	0	0	0	17
4:45 PM	0	1	16	0	0	0	17
5:00 PM	0	0	14	0	0	0	14
5:15 PM	0	0	13	0	0	0	13
5:30 PM	0	0	16	0	0	0	16
5:45 PM	0	0	11	0	0	0	11
6:00 PM	0	0	4	0	0	0	4
6:15 PM	0	1	6	0	0	0	7
6:30 PM	0	0	12	0	0	0	12
6:45 PM	0	0	5	0	0	0	5
7:00 PM	0	0	8	0	0	0	8
7:15 PM	0	0	3	0	0	0	3
7:30 PM	0	0	3	0	0	0	3
7:45 PM	0	0	5	0	0	0	5
8:00 PM	0	0	4	0	0	0	4
8:15 PM	0	0	7	0	0	0	7
8:30 PM	0	0	2	0	0	0	2
8:45 PM	0	0	1	0	0	0	1
9:00 PM	0	0	1	0	0	0	1
9:15 PM	0	0	1	0	0	0	1
9:30 PM	0	0	1	0	0	0	1
9:45 PM	0	0	1	0	0	0	1
10:00 PM	0	0	2	0	0	0	2
10:15 PM	0	0	1	0	0	0	1
10:30 PM	0	0	1	0	0	0	1
10:45 PM	0	0	0	0	0	0	0
11:00 PM	0	0	1	0	0	0	1
11:15 PM	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	0	0	0
11:45 PM	0	0	0	0	0	0	0

PM Total	0	5	496	0	1	0	502
Percentage	0.00%	1.00%	98.80%	0.00%	0.20%	0.00%	

PM Peak	12:00 PM	4:00 PM	12:00 PM	12:00 PM	1:00 PM	12:00 PM	12:00 PM
Volume	0	3	108	0	1	0	108

Day Total	0	6	794	0	4	0	804
Percentage	0.00%	0.75%	98.76%	0.00%	0.50%	0.00%	

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831



PDI File #: 228907 ATR-A

Count Date: Thursday, October 20, 2022
Direction: WB

AM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	0	0	0
12:15 AM	0	0	0	0	0	0	0
12:30 AM	0	0	0	0	0	0	0
12:45 AM	0	0	1	0	0	0	1
1:00 AM	0	0	0	0	0	0	0
1:15 AM	0	0	0	0	0	0	0
1:30 AM	0	0	1	0	0	0	1
1:45 AM	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0
3:15 AM	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	1	0	1
4:15 AM	0	0	0	0	0	0	0
4:30 AM	0	0	2	0	0	0	2
4:45 AM	0	0	3	0	0	0	3
5:00 AM	0	0	0	0	0	0	0
5:15 AM	0	0	2	0	0	0	2
5:30 AM	0	0	3	0	0	0	3
5:45 AM	0	0	4	0	0	0	4
6:00 AM	0	0	3	0	1	0	4
6:15 AM	0	0	7	0	0	1	8
6:30 AM	0	0	2	0	0	0	2
6:45 AM	0	0	6	0	1	0	7
7:00 AM	0	0	13	0	0	0	13
7:15 AM	0	0	12	0	2	0	14
7:30 AM	0	0	21	0	1	0	22
7:45 AM	0	0	27	0	0	0	27
8:00 AM	0	0	16	0	0	0	16
8:15 AM	0	0	30	0	1	0	31
8:30 AM	0	0	20	0	1	0	21
8:45 AM	0	0	27	0	2	0	29
9:00 AM	0	0	38	0	0	0	38
9:15 AM	0	0	25	1	0	0	26
9:30 AM	0	0	28	0	0	0	28
9:45 AM	0	0	30	0	0	0	30
10:00 AM	0	0	20	0	0	0	20
10:15 AM	0	0	18	0	1	0	19
10:30 AM	0	0	33	0	1	0	34
10:45 AM	0	0	40	0	0	0	40
11:00 AM	0	0	36	0	0	0	36
11:15 AM	0	0	33	1	0	0	34
11:30 AM	0	0	37	0	0	0	37
11:45 AM	0	0	26	0	0	0	26

AM Total	0	0	564	2	12	1	579
Percentage	0.00%	0.00%	97.41%	0.35%	2.07%	0.17%	

AM Peak	12:00 AM	12:00 AM	10:45 AM	8:30 AM	6:45 AM	5:30 AM	10:45 AM
Volume	0	0	146	1	4	1	147

PM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	31	0	2	0	33
12:15 PM	0	0	35	0	0	0	35
12:30 PM	0	0	35	0	0	0	35
12:45 PM	0	0	37	0	0	0	37
1:00 PM	0	0	37	0	0	0	37
1:15 PM	0	0	42	0	1	0	43
1:30 PM	0	0	32	0	0	0	32
1:45 PM	0	0	25	0	0	0	25
2:00 PM	0	0	38	0	0	0	38
2:15 PM	0	0	36	0	1	0	37
2:30 PM	0	0	31	0	3	1	35
2:45 PM	0	0	38	0	0	0	38
3:00 PM	0	0	35	0	0	0	35
3:15 PM	0	0	25	0	0	0	25
3:30 PM	0	0	20	0	0	0	20
3:45 PM	0	0	14	0	1	1	16
4:00 PM	0	0	26	0	0	0	26
4:15 PM	0	0	25	0	0	0	25
4:30 PM	0	0	22	0	0	0	22
4:45 PM	0	0	27	0	0	0	27
5:00 PM	0	0	20	0	0	0	20
5:15 PM	0	0	23	0	0	0	23
5:30 PM	0	0	11	0	0	0	11
5:45 PM	0	0	16	0	2	0	18
6:00 PM	0	0	15	0	0	0	15
6:15 PM	0	0	15	0	0	0	15
6:30 PM	0	0	20	0	0	0	20
6:45 PM	0	0	14	0	0	0	14
7:00 PM	0	0	11	0	0	0	11
7:15 PM	0	0	9	0	0	0	9
7:30 PM	0	0	9	0	0	0	9
7:45 PM	0	0	8	0	0	0	8
8:00 PM	0	0	5	0	0	0	5
8:15 PM	0	0	13	0	0	0	13
8:30 PM	0	0	4	0	0	0	4
8:45 PM	0	0	3	0	0	0	3
9:00 PM	0	0	3	0	0	0	3
9:15 PM	0	0	4	0	0	0	4
9:30 PM	0	0	2	0	0	0	2
9:45 PM	0	0	7	0	0	0	7
10:00 PM	0	0	3	0	0	0	3
10:15 PM	0	0	0	0	0	0	0
10:30 PM	0	0	0	0	0	0	0
10:45 PM	0	0	1	0	0	0	1
11:00 PM	0	0	1	0	0	0	1
11:15 PM	0	0	0	0	0	0	0
11:30 PM	0	0	1	0	0	0	1
11:45 PM	0	0	0	0	0	0	0

PM Total	0	0	829	0	10	2	841
Percentage	0.00%	0.00%	98.57%	0.00%	1.19%	0.24%	

PM Peak	12:00 PM	12:00 PM	12:30 PM	12:00 PM	1:45 PM	1:45 PM	12:30 PM
Volume	0	0	151	0	4	1	152

Day Total	0	0	1393	2	22	3	1420
Percentage	0.00%	0.00%	98.10%	0.14%	1.55%	0.21%	

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831



PDI File #: 228907 ATR-A

Count Date: Saturday, October 22, 2022
Direction: WB

AM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	1	0	0	0	1
12:15 AM	0	0	0	0	0	0	0
12:30 AM	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0
1:15 AM	0	0	1	0	0	0	1
1:30 AM	0	0	0	0	0	0	0
1:45 AM	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0
2:15 AM	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0
3:15 AM	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0
4:15 AM	0	0	1	0	0	0	1
4:30 AM	0	0	1	0	0	0	1
4:45 AM	1	0	1	0	1	0	3
5:00 AM	0	0	2	0	0	0	2
5:15 AM	0	0	3	0	0	0	3
5:30 AM	0	0	2	0	0	0	2
5:45 AM	0	0	5	0	0	0	5
6:00 AM	0	0	0	0	0	0	0
6:15 AM	0	0	6	0	0	0	6
6:30 AM	0	0	1	0	1	0	2
6:45 AM	0	0	5	0	1	0	6
7:00 AM	0	0	3	0	0	0	3
7:15 AM	0	0	13	0	1	0	14
7:30 AM	0	0	16	0	0	0	16
7:45 AM	0	0	16	0	0	0	16
8:00 AM	0	0	21	0	1	0	22
8:15 AM	0	0	25	0	2	0	27
8:30 AM	0	0	33	0	0	0	33
8:45 AM	0	0	39	0	2	0	41
9:00 AM	0	0	26	0	0	0	26
9:15 AM	0	0	39	0	0	0	39
9:30 AM	0	0	42	0	0	0	42
9:45 AM	0	0	44	0	0	0	44
10:00 AM	0	0	44	0	0	0	44
10:15 AM	0	0	41	0	0	0	41
10:30 AM	0	0	39	0	1	0	40
10:45 AM	0	1	38	0	0	0	39
11:00 AM	0	0	52	0	0	0	52
11:15 AM	0	0	48	0	1	0	49
11:30 AM	0	0	38	0	0	0	38
11:45 AM	0	0	41	0	0	0	41

AM Total 1 1 687 0 11 0 700
Percentage 0.14% 0.14% 98.14% 0.00% 1.57% 0.00%

AM Peak 4:00 AM 10:00 AM 11:00 AM 12:00 AM 8:00 AM 12:00 AM 10:30 AM
Volume 1 1 179 0 5 0 180

PM	Bicycles	Motorcycle	Cars & Light Goods	Buses	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	48	0	0	0	48
12:15 PM	0	0	60	0	0	0	60
12:30 PM	0	0	43	0	0	0	43
12:45 PM	0	0	38	0	0	0	38
1:00 PM	0	0	47	0	0	0	47
1:15 PM	0	0	34	0	0	0	34
1:30 PM	0	0	40	0	0	0	40
1:45 PM	0	0	39	0	0	0	39
2:00 PM	0	0	45	0	0	0	45
2:15 PM	0	0	36	0	0	0	36
2:30 PM	0	0	35	0	1	0	36
2:45 PM	0	0	40	0	0	0	40
3:00 PM	0	0	32	0	0	0	32
3:15 PM	0	2	21	0	0	0	23
3:30 PM	0	0	29	0	1	0	30
3:45 PM	0	0	25	0	0	0	25
4:00 PM	0	0	28	0	0	0	28
4:15 PM	0	0	26	1	0	0	27
4:30 PM	0	1	25	0	0	0	26
4:45 PM	0	0	14	0	0	0	14
5:00 PM	0	0	22	0	0	0	22
5:15 PM	0	0	14	0	0	0	14
5:30 PM	0	0	21	0	0	0	21
5:45 PM	0	0	13	0	0	0	13
6:00 PM	0	1	16	0	0	0	17
6:15 PM	0	0	17	0	0	0	17
6:30 PM	0	0	13	0	0	0	13
6:45 PM	0	0	13	0	0	0	13
7:00 PM	0	0	4	0	1	0	5
7:15 PM	0	0	12	0	0	0	12
7:30 PM	0	0	7	0	0	0	7
7:45 PM	0	0	11	0	0	0	11
8:00 PM	0	0	6	0	0	0	6
8:15 PM	0	0	10	0	0	0	10
8:30 PM	0	0	5	0	0	0	5
8:45 PM	0	0	9	0	0	0	9
9:00 PM	0	0	4	0	0	0	4
9:15 PM	0	0	4	0	0	0	4
9:30 PM	0	0	3	0	0	0	3
9:45 PM	0	0	2	0	0	0	2
10:00 PM	0	0	1	0	0	0	1
10:15 PM	0	0	4	0	0	0	4
10:30 PM	0	0	3	0	0	0	3
10:45 PM	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0
11:15 PM	0	0	1	0	0	0	1
11:30 PM	0	0	1	0	0	0	1
11:45 PM	0	0	1	0	0	0	1

PM Total 0 4 922 1 3 0 930
Percentage 0.00% 0.43% 99.14% 0.11% 0.32% 0.00%

PM Peak 12:00 PM 2:30 PM 12:00 PM 3:30 PM 1:45 PM 12:00 PM 12:00 PM
Volume 0 2 189 1 1 0 189

Day Total 1 5 1609 1 14 0 1630
Percentage 0.06% 0.31% 98.71% 0.06% 0.86% 0.00%

**Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831**



PDI File # 228907 ATR-A

Direction: EB

Weekly Report

Day	Thursday		Saturday												Week	
Date	10/20/22		10/22/22												Ave	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
12:00	0	24	0	32	0	0	0	0	0	0	0	0	0	0	0	28
12:15	0	22	1	30	0	0	0	0	0	0	0	0	0	0	1	26
12:30	0	27	0	23	0	0	0	0	0	0	0	0	0	0	0	25
12:45	0	23	0	23	0	0	0	0	0	0	0	0	0	0	0	23
1:00	0	21	0	15	0	0	0	0	0	0	0	0	0	0	0	18
1:15	0	30	0	26	0	0	0	0	0	0	0	0	0	0	0	28
1:30	1	28	0	20	0	0	0	0	0	0	0	0	0	0	1	24
1:45	0	22	0	21	0	0	0	0	0	0	0	0	0	0	0	22
2:00	0	13	0	24	0	0	0	0	0	0	0	0	0	0	0	19
2:15	0	23	0	14	0	0	0	0	0	0	0	0	0	0	0	19
2:30	0	18	0	23	0	0	0	0	0	0	0	0	0	0	0	21
2:45	0	21	0	19	0	0	0	0	0	0	0	0	0	0	0	20
3:00	0	20	0	13	0	0	0	0	0	0	0	0	0	0	0	17
3:15	0	18	0	16	0	0	0	0	0	0	0	0	0	0	0	17
3:30	0	14	0	14	0	0	0	0	0	0	0	0	0	0	0	14
3:45	0	20	0	14	0	0	0	0	0	0	0	0	0	0	0	17
4:00	2	17	0	6	0	0	0	0	0	0	0	0	0	0	1	12
4:15	0	25	1	11	0	0	0	0	0	0	0	0	0	0	1	18
4:30	1	23	1	17	0	0	0	0	0	0	0	0	0	0	1	20
4:45	2	16	1	17	0	0	0	0	0	0	0	0	0	0	2	17
5:00	0	20	3	14	0	0	0	0	0	0	0	0	0	0	2	17
5:15	1	9	0	13	0	0	0	0	0	0	0	0	0	0	1	11
5:30	1	8	1	16	0	0	0	0	0	0	0	0	0	0	1	12
5:45	2	10	0	11	0	0	0	0	0	0	0	0	0	0	1	11
6:00	2	15	0	4	0	0	0	0	0	0	0	0	0	0	1	10
6:15	2	10	2	7	0	0	0	0	0	0	0	0	0	0	2	9
6:30	1	14	3	12	0	0	0	0	0	0	0	0	0	0	2	13
6:45	3	9	4	5	0	0	0	0	0	0	0	0	0	0	4	7
7:00	6	8	3	8	0	0	0	0	0	0	0	0	0	0	5	8
7:15	5	11	2	3	0	0	0	0	0	0	0	0	0	0	4	7
7:30	3	8	2	3	0	0	0	0	0	0	0	0	0	0	3	6
7:45	15	3	9	5	0	0	0	0	0	0	0	0	0	0	12	4
8:00	8	4	10	4	0	0	0	0	0	0	0	0	0	0	9	4
8:15	11	7	14	7	0	0	0	0	0	0	0	0	0	0	13	7
8:30	8	4	12	2	0	0	0	0	0	0	0	0	0	0	10	3
8:45	14	0	10	1	0	0	0	0	0	0	0	0	0	0	12	1
9:00	14	4	15	1	0	0	0	0	0	0	0	0	0	0	15	3
9:15	17	3	14	1	0	0	0	0	0	0	0	0	0	0	16	2
9:30	16	3	12	1	0	0	0	0	0	0	0	0	0	0	14	2
9:45	12	2	23	1	0	0	0	0	0	0	0	0	0	0	18	2
10:00	25	3	23	2	0	0	0	0	0	0	0	0	0	0	24	3
10:15	12	0	10	1	0	0	0	0	0	0	0	0	0	0	11	1
10:30	15	0	27	1	0	0	0	0	0	0	0	0	0	0	21	1
10:45	17	0	20	0	0	0	0	0	0	0	0	0	0	0	19	0
11:00	13	0	18	1	0	0	0	0	0	0	0	0	0	0	16	1
11:15	21	0	18	0	0	0	0	0	0	0	0	0	0	0	20	0
11:30	16	0	23	0	0	0	0	0	0	0	0	0	0	0	20	0
11:45	23	0	20	0	0	0	0	0	0	0	0	0	0	0	22	0
Total	289	580	302	502	0	0	0	0	0	0	0	0	0	0	296	541
Day Total	869		804		0		0		0		0		0		837	
Peak HR	11:00 AM	12:45 PM	9:45 AM	12:00 PM											11:00 AM	12:00 PM
Volume	73	102	83	108											76	102

**Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831**



PDI File # 228907 ATR-A

Direction: WB

Weekly Report

[illegible]

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Thursday, October 20, 2022

Speed (60-minute)

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
1:00 AM	1	1	1	0	0	0	0	0	0	0	0	0	0	3	20.5	17.3
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	1	1	1	0	0	0	0	0	0	0	0	0	0	3	21.1	16.3
4:00 AM	1	1	2	1	2	0	0	0	0	0	0	0	0	7	31.0	23.4
5:00 AM	1	1	0	0	2	0	0	0	0	0	0	0	0	4	30.0	22.3
6:00 AM	4	4	0	0	0	0	0	0	0	0	0	0	0	8	16.0	14.3
7:00 AM	14	9	3	0	1	1	0	0	0	0	0	0	0	28	20.8	16.1
8:00 AM	18	11	2	1	0	0	0	0	0	0	0	0	0	32	17.4	14.5
9:00 AM	32	17	2	1	3	1	0	0	0	0	0	0	0	56	17.8	15.8
10:00 AM	27	18	4	2	0	0	0	0	0	0	0	0	0	51	19.0	15.3
11:00 AM	19	24	7	0	1	0	1	0	0	0	0	0	0	52	20.0	16.4
12:00 PM	29	26	9	7	3	1	0	0	0	0	0	0	0	75	23.9	17.5
1:00 PM	24	22	11	5	7	2	1	0	0	0	0	0	0	72	28.0	19.1
2:00 PM	15	20	2	3	1	0	0	0	0	0	0	0	0	41	18.0	16.1
3:00 PM	19	23	3	5	1	0	0	0	0	0	0	0	0	51	22.0	16.4
4:00 PM	22	23	12	6	5	2	0	0	0	0	0	0	0	70	27.0	18.9
5:00 PM	14	18	4	4	2	1	0	0	0	0	0	0	0	43	24.7	17.2
6:00 PM	10	15	3	4	3	0	0	0	0	0	0	0	0	35	25.9	18.1
7:00 PM	5	10	4	2	1	0	0	0	0	0	0	0	0	22	22.6	17.7
8:00 PM	5	2	5	2	1	0	0	0	0	0	0	0	0	15	25.8	19.3
9:00 PM	4	3	3	2	1	1	0	0	0	0	0	0	0	14	27.2	19.2
10:00 PM	0	1	1	0	1	0	0	0	0	0	0	0	0	3	28.3	23.3
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Total	265	250	79	45	35	9	2	0	0	0	0	0	0	685	23.0	17.2
Percent	38.69%	36.50%	11.53%	6.57%	5.11%	1.31%	0.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	9:00 AM	11:00 AM	11:00 AM	10:00 AM	9:00 AM	7:00 AM	11:00 AM							9:00 AM
Volume	32	24	7	2	3	1	1	0	0	0	0	0	0	56

PM Peak	12:00 PM	12:00 PM	4:00 PM	12:00 PM	1:00 PM	1:00 PM	1:00 PM							12:00 PM
Volume	29	26	12	7	7	2	1	0	0	0	0	0	0	75

15th Percentile:	12.0 MPH	Average Speed:	17.2 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	15.0 MPH	10 MPH Pace:	11 to 20 MPH	Number of Vehicles > 20 MPH:	142
85th Percentile:	23.0 MPH	Number in Pace:	521	Percent of Vehicles > 20 MPH:	20.7%
95th Percentile:	31.0 MPH	Percent in Pace:	76.1%		

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Thursday, October 20, 2022

Speed (60-minute)

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	2	24.1	22.0
1:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	16.0	16.0
2:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	20.0	20.0
3:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	23.0	23.0
4:00 AM	1	6	0	1	0	0	0	0	0	0	0	0	0	8	18.0	17.9
5:00 AM	3	5	3	1	0	0	0	0	0	0	0	0	0	12	21.4	18.1
6:00 AM	2	15	3	1	1	0	0	0	0	0	0	0	0	22	20.9	18.2
7:00 AM	8	52	13	1	0	0	0	0	0	0	0	0	0	74	20.0	17.5
8:00 AM	6	60	18	2	0	0	0	0	0	0	0	0	0	86	21.3	18.1
9:00 AM	6	85	21	8	1	0	0	0	0	0	0	0	0	121	20.0	18.2
10:00 AM	12	67	19	7	0	0	0	0	0	0	0	0	0	105	21.0	17.9
11:00 AM	13	88	18	6	1	0	0	0	0	0	0	0	0	126	20.0	17.8
12:00 PM	11	82	25	6	2	0	1	0	0	0	0	0	0	127	21.0	18.3
1:00 PM	6	87	22	6	5	0	0	0	0	0	0	0	0	126	21.3	18.9
2:00 PM	7	95	32	10	0	0	0	0	0	0	0	0	0	144	21.0	18.5
3:00 PM	4	55	21	3	3	0	0	0	0	0	0	0	0	86	22.0	19.0
4:00 PM	2	70	22	5	1	0	0	0	0	0	0	0	0	100	21.0	18.7
5:00 PM	3	38	17	6	4	0	0	0	0	0	0	0	0	68	24.0	19.9
6:00 PM	3	43	15	6	5	1	0	0	0	0	0	0	0	73	26.0	20.0
7:00 PM	2	21	7	6	4	1	0	0	0	0	0	0	0	41	27.0	20.9
8:00 PM	5	10	6	2	3	0	0	0	0	0	0	0	0	26	29.0	19.5
9:00 PM	4	8	3	2	2	0	0	0	0	0	0	0	0	19	27.3	19.1
10:00 PM	0	4	0	0	0	0	0	0	0	0	0	0	0	4	18.6	18.3
11:00 PM	0	1	1	0	0	0	0	0	0	0	0	0	0	2	22.0	19.5
Total	98	894	268	80	32	2	1	0	0	0	0	0	0	1375	22.0	18.6
Percent	7.13%	65.02%	19.49%	5.82%	2.33%	0.15%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak 11:00 AM 11:00 AM 9:00 AM 9:00 AM 6:00 AM 11:00 AM
Volume 13 88 21 8 1 0 0 0 0 0 0 0 0 126

PM Peak 12:00 PM 2:00 PM 2:00 PM 2:00 PM 1:00 PM 6:00 PM 12:00 PM 2:00 PM
Volume 11 95 32 10 5 1 1 0 0 0 0 0 144

15th Percentile:	16.0 MPH	Average Speed:	18.6 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	18.0 MPH	10 MPH Pace:	14 to 23 MPH	Number of Vehicles > 20 MPH:	276
85th Percentile:	22.0 MPH	Number in Pace:	1184	Percent of Vehicles > 20 MPH:	20.1%
95th Percentile:	27.0 MPH	Percent in Pace:	86.1%		

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Thursday, October 20, 2022

Speed (60-minute)

Combined EB and WB

Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	2	24.1	22.0
1:00 AM	1	2	1	0	0	0	0	0	0	0	0	0	0	4	19.8	17.0
2:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	20.0	20.0
3:00 AM	1	1	2	0	0	0	0	0	0	0	0	0	0	4	22.6	18.0
4:00 AM	2	7	2	2	2	0	0	0	0	0	0	0	0	15	28.7	20.5
5:00 AM	4	6	3	1	2	0	0	0	0	0	0	0	0	16	26.5	19.1
6:00 AM	6	19	3	1	1	0	0	0	0	0	0	0	0	30	19.7	17.2
7:00 AM	22	61	16	1	1	1	0	0	0	0	0	0	0	102	20.0	17.1
8:00 AM	24	71	20	3	0	0	0	0	0	0	0	0	0	118	20.0	17.1
9:00 AM	38	102	23	9	4	1	0	0	0	0	0	0	0	177	20.0	17.5
10:00 AM	39	85	23	9	0	0	0	0	0	0	0	0	0	156	20.0	17.1
11:00 AM	32	112	25	6	2	0	1	0	0	0	0	0	0	178	20.0	17.4
12:00 PM	40	108	34	13	5	1	1	0	0	0	0	0	0	202	21.9	18.0
1:00 PM	30	109	33	11	12	2	1	0	0	0	0	0	0	198	23.0	19.0
2:00 PM	22	115	34	13	1	0	0	0	0	0	0	0	0	185	21.0	18.0
3:00 PM	23	78	24	8	4	0	0	0	0	0	0	0	0	137	22.0	18.0
4:00 PM	24	93	34	11	6	2	0	0	0	0	0	0	0	170	23.7	18.8
5:00 PM	17	56	21	10	6	1	0	0	0	0	0	0	0	111	24.5	18.9
6:00 PM	13	58	18	10	8	1	0	0	0	0	0	0	0	108	26.0	19.4
7:00 PM	7	31	11	8	5	1	0	0	0	0	0	0	0	63	27.0	19.8
8:00 PM	10	12	11	4	4	0	0	0	0	0	0	0	0	41	29.0	19.4
9:00 PM	8	11	6	4	3	1	0	0	0	0	0	0	0	33	27.2	19.1
10:00 PM	0	5	1	0	1	0	0	0	0	0	0	0	0	7	22.9	20.4
11:00 PM	0	1	1	0	0	0	0	0	0	0	0	0	0	2	22.0	19.5
Total	363	1144	347	125	67	11	3	0	0	0	0	0	0	2060	22.0	18.1
Percent	17.62%	55.53%	16.84%	6.07%	3.25%	0.53%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak 10:00 AM 11:00 AM 11:00 AM 9:00 AM 9:00 AM 7:00 AM 11:00 AM 11:00 AM
Volume 39 112 25 9 4 1 1 0 0 0 0 0 0 178

PM Peak 12:00 PM 2:00 PM 12:00 PM 12:00 PM 1:00 PM 1:00 PM 12:00 PM 12:00 PM
Volume 40 115 34 13 12 2 1 0 0 0 0 0 0 202

15th Percentile:	14.0 MPH	Average Speed:	18.1 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	17.0 MPH	10 MPH Pace:	12 to 21 MPH	Number of Vehicles > 20 MPH:	418
85th Percentile:	22.0 MPH	Number in Pace:	1636	Percent of Vehicles > 20 MPH:	20.3%
95th Percentile:	28.1 MPH	Percent in Pace:	79.4%		

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Friday, October 21, 2022

Speed (60-minute)

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	16.0	16.0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	18.0	18.0
4:00 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	2	26.9	26.5
5:00 AM	2	0	0	0	1	0	0	0	0	0	0	0	0	3	25.6	18.7
6:00 AM	6	1	0	0	2	0	0	0	0	0	0	0	0	9	27.2	17.2
7:00 AM	9	6	0	0	1	0	0	0	0	0	0	0	0	16	16.0	15.3
8:00 AM	15	18	1	1	2	1	0	0	0	0	0	0	0	38	18.0	16.3
9:00 AM	17	22	6	7	0	0	0	0	0	0	0	0	0	52	23.4	17.1
10:00 AM	29	20	6	1	2	1	0	0	0	0	0	0	0	59	20.0	15.9
11:00 AM	31	16	8	4	4	2	0	0	0	0	0	0	0	65	24.4	17.6
12:00 PM	39	24	11	4	1	2	0	0	0	0	0	0	0	81	23.0	16.5
1:00 PM	36	27	8	1	1	0	0	0	0	0	0	0	0	73	19.0	15.4
2:00 PM	31	31	8	4	1	0	0	0	0	0	0	0	0	75	20.0	16.2
3:00 PM	22	21	6	3	2	0	0	0	0	0	0	0	0	54	21.1	16.7
4:00 PM	18	21	9	4	5	2	0	0	0	0	0	0	0	59	26.3	18.8
5:00 PM	14	14	4	6	4	1	0	0	0	0	0	0	0	43	27.7	19.1
6:00 PM	11	11	8	3	0	0	0	0	0	0	0	0	0	33	24.0	17.5
7:00 PM	8	8	1	0	0	0	0	0	0	0	0	0	0	17	18.2	15.3
8:00 PM	4	4	3	1	2	1	0	0	0	0	0	0	0	15	30.6	19.8
9:00 PM	4	2	0	0	0	0	0	0	0	0	0	0	0	6	15.8	14.2
10:00 PM	1	2	0	0	0	0	0	0	0	0	0	0	0	3	18.1	16.3
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Total	297	250	79	41	28	10	0	0	0	0	0	0	0	705	23.0	16.9
Percent	42.13%	35.46%	11.21%	5.82%	3.97%	1.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	11:00 AM	9:00 AM	11:00 AM	9:00 AM	11:00 AM	11:00 AM								11:00 AM
Volume	31	22	8	7	4	2	0	0	0	0	0	0	0	65

PM Peak	12:00 PM	2:00 PM	12:00 PM	5:00 PM	4:00 PM	12:00 PM								12:00 PM
Volume	39	31	11	6	5	2	0	0	0	0	0	0	0	81

15th Percentile:	13.0 MPH	Average Speed:	16.9 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	15.0 MPH	10 MPH Pace:	1 to 10 MPH	Number of Vehicles > 20 MPH:	144
85th Percentile:	23.0 MPH	Number in Pace:	0	Percent of Vehicles > 20 MPH:	20.4%
95th Percentile:	30.0 MPH	Percent in Pace:	0.0%		

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Friday, October 21, 2022

Speed (60-minute)

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	1	17.0	17.0
1:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	25.0	25.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	20.0	20.0
4:00 AM	4	2	1	0	0	0	0	0	0	0	0	0	0	7	17.3	14.3
5:00 AM	1	10	0	0	0	0	0	0	0	0	0	0	0	11	17.0	16.1
6:00 AM	2	10	2	1	0	0	0	0	0	0	0	0	0	15	19.9	17.7
7:00 AM	7	38	4	0	0	0	0	0	0	0	0	0	0	49	19.0	16.8
8:00 AM	6	74	24	1	2	0	0	0	0	0	0	0	0	107	21.0	18.1
9:00 AM	5	115	20	1	1	0	0	0	0	0	0	0	0	142	19.9	17.7
10:00 AM	10	116	27	3	0	0	0	0	0	0	0	0	0	156	20.0	17.7
11:00 AM	9	110	29	4	1	0	0	0	0	0	0	0	0	153	20.2	18.1
12:00 PM	6	112	42	2	2	0	0	0	0	0	0	0	0	164	21.0	18.4
1:00 PM	2	106	32	8	4	0	0	0	0	0	0	0	0	152	22.0	18.9
2:00 PM	6	98	34	6	1	0	0	0	0	0	0	0	0	145	20.4	18.6
3:00 PM	3	65	22	7	1	1	0	0	0	0	0	0	0	99	21.0	18.8
4:00 PM	4	70	11	4	3	0	0	0	0	0	0	0	0	92	20.0	18.5
5:00 PM	4	51	8	2	3	1	0	0	0	0	0	0	0	69	20.8	18.8
6:00 PM	3	36	20	4	4	0	0	0	0	0	0	0	0	67	24.0	20.0
7:00 PM	1	29	8	4	0	0	0	0	0	0	0	0	0	42	22.9	19.0
8:00 PM	3	13	12	2	2	0	0	1	0	0	0	0	0	33	24.2	20.8
9:00 PM	0	9	2	1	1	1	0	0	0	0	0	0	0	14	25.3	21.2
10:00 PM	1	2	1	3	3	0	0	0	0	0	0	0	0	10	30.7	24.2
11:00 PM	2	1	1	0	0	0	0	0	0	0	0	0	0	4	18.8	14.5
Total	79	1068	301	54	28	3	0	1	0	0	0	0	0	1534	21.0	18.4
Percent	5.15%	69.62%	19.62%	3.52%	1.83%	0.20%	0.00%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak 10:00 AM 10:00 AM 11:00 AM 11:00 AM 8:00 AM 10:00 AM
Volume 10 116 29 4 2 0 0 0 0 0 0 0 0 156

PM Peak 12:00 PM 12:00 PM 12:00 PM 1:00 PM 1:00 PM 3:00 PM 8:00 PM 12:00 PM
Volume 6 112 42 8 4 1 0 1 0 0 0 0 0 164

15th Percentile:	16.0 MPH	Average Speed:	18.4 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	18.0 MPH	10 MPH Pace:	1 to 10 MPH	Number of Vehicles > 20 MPH:	253
85th Percentile:	21.0 MPH	Number in Pace:	0	Percent of Vehicles > 20 MPH:	16.5%
95th Percentile:	25.0 MPH	Percent in Pace:	0.0%		

Old Church Street
just east of Lowes Driveway
City, State: Pembroke, MA
Client: VHB/ P. Dunford
Site Code: 15831.00



PDI File #: 228907 ATR-A (Speed)

Count Date
Friday, October 21, 2022

Speed (60-minute) Combined EB and WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	2	16.9	16.5
1:00 AM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	25.0	25.0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
3:00 AM	0	1	1	0	0	0	0	0	0	0	0	0	0	2	19.7	19.0
4:00 AM	4	2	1	2	0	0	0	0	0	0	0	0	0	9	24.8	17.0
5:00 AM	3	10	0	0	1	0	0	0	0	0	0	0	0	14	17.1	16.6
6:00 AM	8	11	2	1	2	0	0	0	0	0	0	0	0	24	20.0	17.5
7:00 AM	16	44	4	0	1	0	0	0	0	0	0	0	0	65	19.0	16.4
8:00 AM	21	92	25	2	4	1	0	0	0	0	0	0	0	145	21.0	17.6
9:00 AM	22	137	26	8	1	0	0	0	0	0	0	0	0	194	20.0	17.6
10:00 AM	39	136	33	4	2	1	0	0	0	0	0	0	0	215	20.0	17.2
11:00 AM	40	126	37	8	5	2	0	0	0	0	0	0	0	218	21.0	17.9
12:00 PM	45	136	53	6	3	2	0	0	0	0	0	0	0	245	21.4	17.8
1:00 PM	38	133	40	9	5	0	0	0	0	0	0	0	0	225	21.4	17.7
2:00 PM	37	129	42	10	2	0	0	0	0	0	0	0	0	220	20.2	17.8
3:00 PM	25	86	28	10	3	1	0	0	0	0	0	0	0	153	21.0	18.1
4:00 PM	22	91	20	8	8	2	0	0	0	0	0	0	0	151	23.5	18.6
5:00 PM	18	65	12	8	7	2	0	0	0	0	0	0	0	112	24.4	18.9
6:00 PM	14	47	28	7	4	0	0	0	0	0	0	0	0	100	24.0	19.2
7:00 PM	9	37	9	4	0	0	0	0	0	0	0	0	0	59	21.3	17.9
8:00 PM	7	17	15	3	4	1	0	1	0	0	0	0	0	48	26.9	20.5
9:00 PM	4	11	2	1	1	1	0	0	0	0	0	0	0	20	22.5	19.1
10:00 PM	2	4	1	3	3	0	0	0	0	0	0	0	0	13	30.2	22.4
11:00 PM	2	1	1	0	0	0	0	0	0	0	0	0	0	4	18.8	14.5
Total	376	1318	380	95	56	13	0	1	0	0	0	0	0	2239	21.0	17.9
Percent	16.79%	58.87%	16.97%	4.24%	2.50%	0.58%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%			

AM Peak	11:00 AM	9:00 AM	11:00 AM	9:00 AM	11:00 AM	11:00 AM									11:00 AM	
Volume	40	137	37	8	5	2	0	0	0	0	0	0	0	0	218	
PM Peak	12:00 PM	12:00 PM	12:00 PM	2:00 PM	4:00 PM	12:00 PM		8:00 PM							12:00 PM	
Volume	45	136	53	10	8	2	0	1	0	0	0	0	0	0	245	

15th Percentile:	14.0 MPH	Average Speed:	17.9 MPH	Posted Speed Limit:	20 MPH
50th Percentile:	17.0 MPH	10 MPH Pace:	1 to 10 MPH	Number of Vehicles > 20 MPH:	0
85th Percentile:	21.0 MPH	Number in Pace:	0	Percent of Vehicles > 20 MPH:	0.0%
95th Percentile:	27.0 MPH	Percent in Pace:	0.0%		



Memorandum

- **Seasonal Adjustment Factors**

Massachusetts Highway Department
 Statewide Traffic Data Collection
 2019 Weekday Seasonal Factors

Factor Group	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Axle Factor
R1	1.22	1.14	1.12	1.06	1.00	0.96	0.87	0.85	0.96	0.99	1.04	1.12	0.85
R2	0.95	0.96	0.98	0.97	0.97	0.93	0.97	0.94	0.96	0.90	0.92	0.93	0.96
R3	1.15	1.06	1.07	1.00	0.89	0.88	0.89	0.89	0.95	0.92	1.02	1.01	0.97
R4-R7	1.09	1.09	1.11	1.02	0.96	0.92	0.89	0.89	0.99	0.98	1.09	1.13	0.98
U1-Boston	1.03	1.01	0.98	0.94	0.94	0.92	0.95	0.93	0.94	0.94	0.97	1.04	0.96
U1-Essex	1.09	1.06	1.03	0.99	0.94	0.90	0.88	0.86	0.93	0.94	0.99	1.06	0.93
U1-Southeast	1.06	1.05	1.01	0.97	0.95	0.93	0.93	0.90	0.94	0.94	0.98	1.04	0.98
U1-West	1.19	1.14	1.09	0.95	0.92	0.89	0.89	0.86	0.91	0.95	0.97	1.07	0.84
U1-Worcester	1.02	1.04	0.97	0.94	0.93	0.91	0.95	0.91	0.93	0.92	0.95	1.10	0.88
U2	1.01	1.00	0.94	0.93	0.91	0.89	0.93	0.90	0.90	0.91	0.94	1.02	0.99
U3	1.06	1.03	0.98	0.94	0.93	0.91	0.95	0.91	0.92	0.93	0.97	1.00	0.98
U4-U7	1.01	1.00	0.95	0.92	0.88	0.86	0.92	0.91	0.92	0.94	0.99	1.04	0.99
Rec - East	1.04	1.16	1.12	0.98	0.92	0.88	0.77	0.81	0.94	1.02	1.08	1.12	0.99
Rec - West	1.30	1.23	1.32	1.18	0.95	0.82	0.70	0.69	0.97	0.96	1.16	1.15	0.98

Round off:
 0-999 = 10
 >1000 = 100

U = Urban
 R = Rural

- 1 - Interstate
- 2 - Freeway and Expressway
- 3 - Other Principal Arterial
- 4 - Minor Arterial
- 5 - Major Collector
- 6 - Minor Collector
- 7 - Local Road and Street

Recreational - East Group - Cape Cod (all towns) including the town of Plymouth south of Route 3A (stations 7014,7079,7080,7090,7091,7092,7093,7094,7095,7096,7097,7108 and 7178), Martha's Vineyard and Nantucket.

Recreational - West Group - Continuous Stations 2 and 189 including stations

1066,1067,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1113,1114,1116,2196,2197 and 2198.



Memorandum

- **Crash Data**



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke, MA

COUNT DATE : October 2022

DISTRICT : 5

UNSIGNALIZED : ☒ 0.57

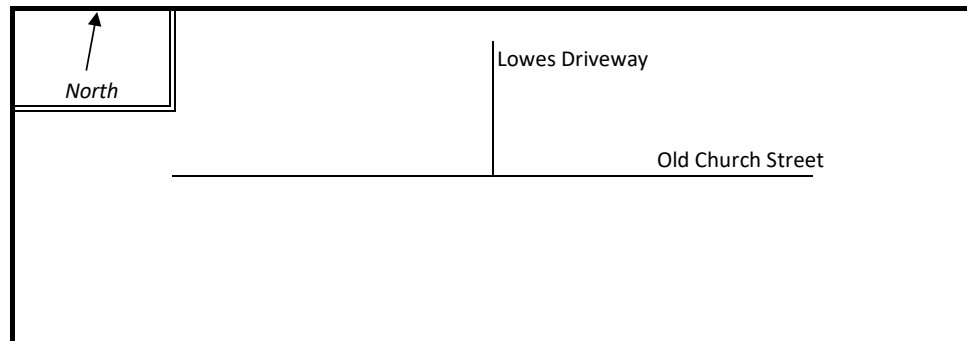
SIGNALIZED : ☐ 0.73

~ INTERSECTION DATA ~

MAJOR STREET : Old Church Street

MINOR STREET(S) : Lowes Driveway

INTERSECTION
DIAGRAM
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM/PM) :	40	105	0	45		190

" K " FACTOR :

INTERSECTION ADT (V) =
TOTAL DAILY APPROACH VOLUME :

TOTAL # OF CRASHES :

OF YEARS :

AVERAGE # OF CRASHES PER YEAR (A) :

CRASH RATE CALCULATION :

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

Project Title & Date: 15831.00 SDG Traffic Pembroke



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke, MA

COUNT DATE : October 2022

DISTRICT : 5

UNSIGNALIZED : X
0.57

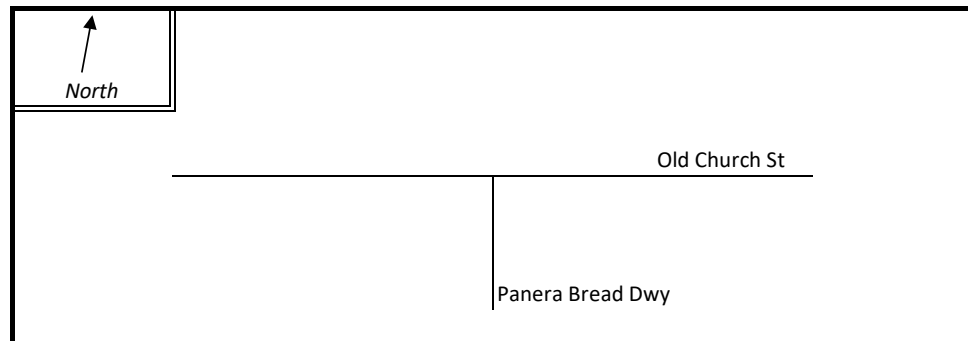
SIGNALIZED :
0.73

~ INTERSECTION DATA ~

MAJOR STREET : Old Church Street

MINOR STREET(S) : Panera Bread Dwy

INTERSECTION
DIAGRAM
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM/PM) :	80	15	100	0		195

" K " FACTOR : 0.090

INTERSECTION ADT (V) =
TOTAL DAILY APPROACH VOLUME : 2,167

TOTAL # OF CRASHES : 2

OF YEARS : 5

AVERAGE # OF CRASHES PER YEAR (A) : 0.40

CRASH RATE CALCULATION :

0.51

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

Project Title & Date: 15831.00 SDG Traffic Pembroke



Memorandum

- **Trip Generation**

Project Size: 104,200 780

Time Period	Direction	Proposed Project (104,200 sf) ^a	Proposed Project 780 units ^b	Maximum trip generation
Weekday Daily	Total	151.1	143.0	151.0
Weekday Morning Peak Hour	Enter	5.5	5.0	5.0
	Exit	3.8	4.8	5.0
	Total	9.4	9.9	10.0
Weekday Evening Peak Hour	Enter	7.3	5.0	8.0
	Exit	8.3	5.0	8.0
	Total	15.6	10.0	16.0
Saturday Daily	Total	137.4	127.1	137.0
Saturday Midday Peak Hour	Enter	11.0	11.7	12.0
	Exit	6.7	9.2	9.0
	Total	17.7	20.8	21.0

a Based on ITE LUC 151 (Mini-Warehouse) for 104,200 sf of total self-storage building area.

b Based on ITE LUC 151 (Mini-Warehouse) for 780 self-storage units.

ITE TRIP GENERATION WORKSHEET

(11th Edition, Updated 2021)

LANDUSE: Mini Warehouse
LANDUSE CODE: 151
LOCATION: General Urban / Suburban
JOB NAME:
JOB NUMBER:

Independent Variable --- 1,000 Sq. Feet Gross Floor Area

FLOOR AREA (KSF): 104.200

WEEKDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	16	--	1.45	0.38	3.25	55	7.5	101	50%	50%
	AM PEAK OF GENERATOR	11	--	0.18	0.07	0.79	66	7.5	114	51%	49%
	PM PEAK OF GENERATOR	16	--	0.18	0.06	1.05	56	7.5	114	51%	49%
	AM PEAK (ADJACENT ST)	13	--	0.09	0.04	0.17	70	27	114	59%	41%
	PM PEAK (ADJACENT ST)	18	--	0.15	0.02	0.64	59	7.5	114	47%	53%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	151	76	76	N/A	N/A	N/A
AM PEAK OF GENERATOR	19	10	9	N/A	N/A	N/A
PM PEAK OF GENERATOR	19	10	9	N/A	N/A	N/A
AM PEAK (ADJACENT ST)	9	6	4	N/A	N/A	N/A
PM PEAK (ADJACENT ST)	16	7	8	N/A	N/A	N/A

SATURDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	6	0.57	1.77	1.21	3.29	43	20	87	50%	50%
	PEAK OF GENERATOR	3	--	0.17	0.04	0.31	90	71	114	62%	38%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	184	92	92	137	69	69
PEAK OF GENERATOR	18	11	7	N/A	N/A	N/A

SUNDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	5	--	1.50	0.69	3.70	40	20	87	50%	50%
	PEAK OF GENERATOR	2	--	0.20	0.16	0.23	79	71	87	45%	55%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	156	78	78	N/A	N/A	N/A
PEAK OF GENERATOR	21	9	11	N/A	N/A	N/A

ITE TRIP GENERATION WORKSHEET

(11th Edition, Updated 2021)

LANDUSE: Mini Warehouse
LANDUSE CODE: 151
LOCATION: General Urban / Suburban
JOB NAME:
JOB NUMBER:

Independent Variable --- Storage Units (100s)

Number of Units (100s): 7.80

WEEKDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	6	0.96	17.96	12.25	33.33	5.0	0.60	11.0	50%	50%
	AM PEAK OF GENERATOR	8	0.80	2.04	1.02	6.67	5.0	0.60	11.0	58%	42%
	PM PEAK OF GENERATOR	8	0.72	2.07	0.79	10.00	5.0	1.00	11.0	48%	52%
	AM PEAK (ADJACENT ST)	7	0.68	1.21	0.45	1.70	7.0	2.74	11.0	51%	49%
	PM PEAK (ADJACENT ST)	9	0.52	1.68	0.56	8.33	5.0	0.60	11.0	50%	50%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	140	70	70	143	72	72
AM PEAK OF GENERATOR	16	9	7	14	8	6
PM PEAK OF GENERATOR	16	8	8	14	7	7
AM PEAK (ADJACENT ST)	9	5	5	10	5	5
PM PEAK (ADJACENT ST)	13	7	7	10	5	5

SATURDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	2	--	16.29	15.58	17.12	10	9.46	11	50%	50%
	PEAK OF GENERATOR	5	--	2.67	0.56	4.81	8	4.57	11	56%	44%

TRIPS:

	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	127	64	64	N/A	N/A	N/A
PEAK OF GENERATOR	21	12	9	N/A	N/A	N/A

SUNDAY

RATES:		# Studies	R^2	Total Trip Ends			Independent Variable Range			Directional Distribution	
				Average	Low	High	Average	Low	High	Enter	Exit
	DAILY	2	--	10.47	9.49	11.63	10	9.46	11	50%	50%
	PEAK OF GENERATOR	3	--	2.10	1.80	2.41	8	4.57	11	45%	55%

TRIPS:

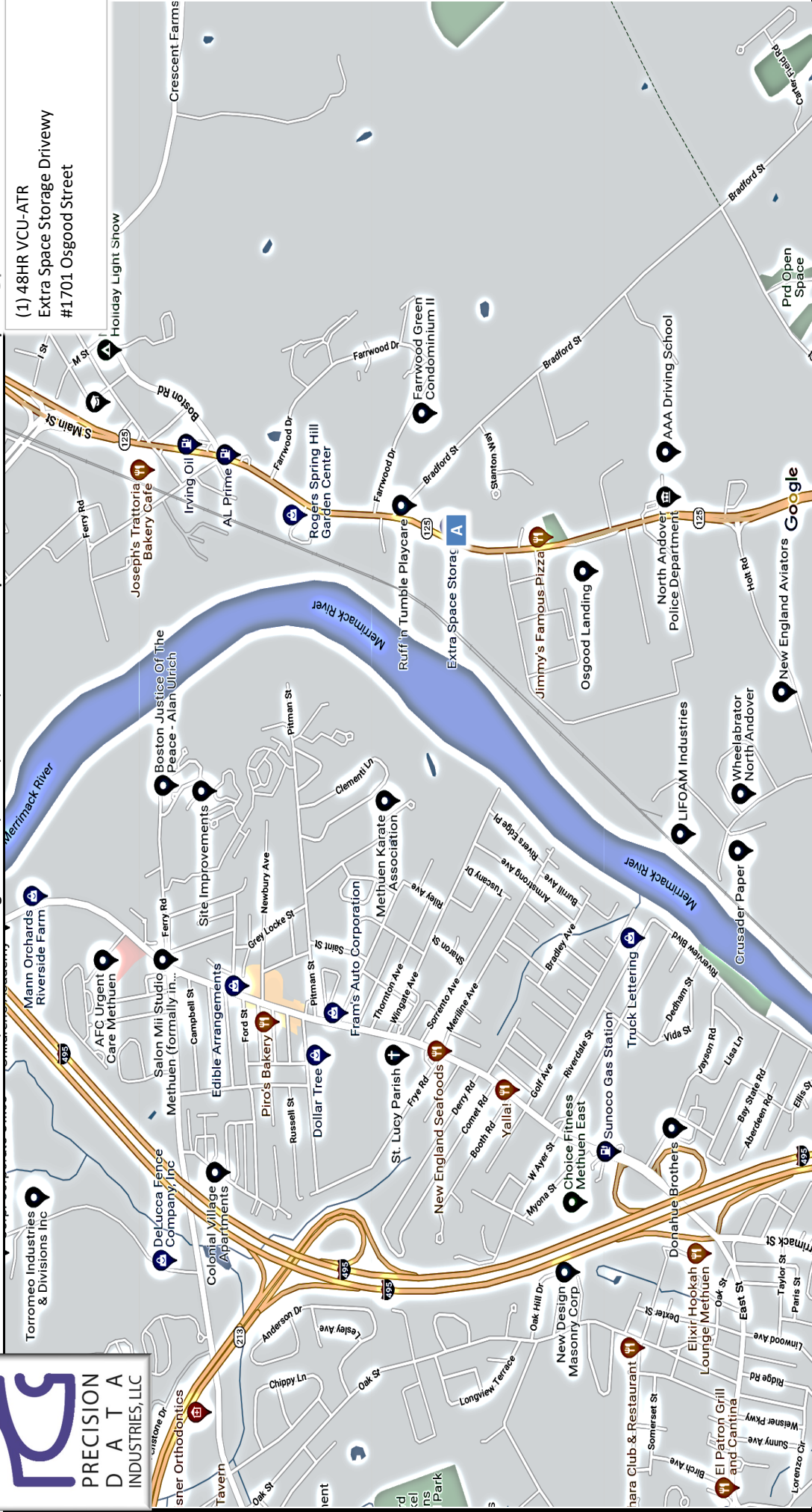
	BY AVERAGE			BY REGRESSION		
	Total	Enter	Exit	Total	Enter	Exit
DAILY	82	41	41	N/A	N/A	N/A
PEAK OF GENERATOR	16	7	9	N/A	N/A	N/A



Location Map: 228909 North Andover, MA

Precision Data Industries, LLC 157 Washington Street, Suite 2, Hudson, MA 01749 ph: 508-875-0100 email: datarequests@pdillc.com

(1) 48HR VCU-ATR
Extra Space Storage Driveway
#1701 Osgood Street



Client:
VHB

Engineer:
P. Dunford

Site Code:
85486.22

Date:
Wed 10/5 thru Thurs 10/6/2022

PDI Job #
228909

City, State:
North Andover, MA

Extra Space Driveway
east of Osgood Street
City, State: North Andover, MA
Client: VHB/ P. Dunford
Site Code: 85486.22



Count Date: Wednesday, October 5, 2022
Direction: EB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total	PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	12:00 PM	3	0	0	3
12:15 AM	0	0	0	0	12:15 PM	1	0	0	1
12:30 AM	0	0	0	0	12:30 PM	0	0	0	0
12:45 AM	0	0	0	0	12:45 PM	0	0	0	0
1:00 AM	0	0	0	0	1:00 PM	0	0	0	0
1:15 AM	0	0	0	0	1:15 PM	1	0	0	1
1:30 AM	0	0	0	0	1:30 PM	0	0	0	0
1:45 AM	0	0	0	0	1:45 PM	0	0	0	0
2:00 AM	0	0	0	0	2:00 PM	0	0	0	0
2:15 AM	0	0	0	0	2:15 PM	1	0	0	1
2:30 AM	0	0	0	0	2:30 PM	0	0	0	0
2:45 AM	0	0	0	0	2:45 PM	0	0	0	0
3:00 AM	0	0	0	0	3:00 PM	1	1	0	2
3:15 AM	0	0	0	0	3:15 PM	1	0	0	1
3:30 AM	0	0	0	0	3:30 PM	1	0	0	1
3:45 AM	0	0	0	0	3:45 PM	0	0	0	0
4:00 AM	0	0	0	0	4:00 PM	0	0	0	0
4:15 AM	0	0	0	0	4:15 PM	0	0	0	0
4:30 AM	0	0	0	0	4:30 PM	0	0	0	0
4:45 AM	0	0	0	0	4:45 PM	0	0	0	0
5:00 AM	0	0	0	0	5:00 PM	2	0	0	2
5:15 AM	0	0	0	0	5:15 PM	1	0	0	1
5:30 AM	0	0	0	0	5:30 PM	0	0	0	0
5:45 AM	0	0	0	0	5:45 PM	0	0	0	0
6:00 AM	0	0	0	0	6:00 PM	0	0	0	0
6:15 AM	0	0	0	0	6:15 PM	0	0	0	0
6:30 AM	0	0	0	0	6:30 PM	0	0	0	0
6:45 AM	0	0	0	0	6:45 PM	0	0	0	0
7:00 AM	0	0	0	0	7:00 PM	0	0	0	0
7:15 AM	0	0	0	0	7:15 PM	1	0	0	1
7:30 AM	0	0	0	0	7:30 PM	0	0	0	0
7:45 AM	0	0	0	0	7:45 PM	0	0	0	0
8:00 AM	0	0	0	0	8:00 PM	0	0	0	0
8:15 AM	1	0	0	1	8:15 PM	1	0	0	1
8:30 AM	0	0	0	0	8:30 PM	0	0	0	0
8:45 AM	0	0	0	0	8:45 PM	0	0	0	0
9:00 AM	0	0	0	0	9:00 PM	0	0	0	0
9:15 AM	1	0	0	1	9:15 PM	0	0	0	0
9:30 AM	0	0	0	0	9:30 PM	0	0	0	0
9:45 AM	0	0	0	0	9:45 PM	0	0	0	0
10:00 AM	0	1	0	1	10:00 PM	0	0	0	0
10:15 AM	1	0	0	1	10:15 PM	0	0	0	0
10:30 AM	0	0	0	0	10:30 PM	0	0	0	0
10:45 AM	0	0	0	0	10:45 PM	0	0	0	0
11:00 AM	1	0	0	1	11:00 PM	0	0	0	0
11:15 AM	0	0	0	0	11:15 PM	0	0	0	0
11:30 AM	0	0	0	0	11:30 PM	0	0	0	0
11:45 AM	0	0	0	0	11:45 PM	0	0	0	0
AM Total	4	1	0	5	PM Total	14	1	0	15
Percentage	80.00%	20.00%	0.00%		Percentage	93.33%	6.67%	0.00%	
AM Peak	10:15 AM	9:15 AM	12:00 AM	9:15 AM	PM Peak	12:00 PM	2:15 PM	12:00 PM	12:00 PM
Volume	2	1	0	2	Volume	4	1	0	4
					Day Total	18	2	0	20
					Percentage	90.00%	10.00%	0.00%	

Extra Space Driveway
east of Osgood Street
City, State: North Andover, MA
Client: VHB/ P. Dunford
Site Code: 85486.22



Count Date: Thursday, October 6, 2022
Direction: EB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total	PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	12:00 PM	1	1	0	2
12:15 AM	0	0	0	0	12:15 PM	0	0	0	0
12:30 AM	0	0	0	0	12:30 PM	0	0	0	0
12:45 AM	0	0	0	0	12:45 PM	0	0	0	0
1:00 AM	0	0	0	0	1:00 PM	0	0	0	0
1:15 AM	0	0	0	0	1:15 PM	0	0	0	0
1:30 AM	0	0	0	0	1:30 PM	1	0	0	1
1:45 AM	0	0	0	0	1:45 PM	2	0	0	2
2:00 AM	0	0	0	0	2:00 PM	1	0	0	1
2:15 AM	0	0	0	0	2:15 PM	0	0	0	0
2:30 AM	0	0	0	0	2:30 PM	1	0	0	1
2:45 AM	0	0	0	0	2:45 PM	1	0	0	1
3:00 AM	0	0	0	0	3:00 PM	0	1	0	1
3:15 AM	0	0	0	0	3:15 PM	1	0	0	1
3:30 AM	0	0	0	0	3:30 PM	0	0	0	0
3:45 AM	0	0	0	0	3:45 PM	0	0	0	0
4:00 AM	0	0	0	0	4:00 PM	1	0	0	1
4:15 AM	0	0	0	0	4:15 PM	0	0	0	0
4:30 AM	0	0	0	0	4:30 PM	0	0	0	0
4:45 AM	0	0	0	0	4:45 PM	0	0	0	0
5:00 AM	0	0	0	0	5:00 PM	1	0	0	1
5:15 AM	0	0	0	0	5:15 PM	0	0	0	0
5:30 AM	0	0	0	0	5:30 PM	0	0	0	0
5:45 AM	0	0	0	0	5:45 PM	0	0	0	0
6:00 AM	0	0	0	0	6:00 PM	0	0	0	0
6:15 AM	0	0	0	0	6:15 PM	0	0	0	0
6:30 AM	0	0	0	0	6:30 PM	0	0	0	0
6:45 AM	0	0	0	0	6:45 PM	0	0	0	0
7:00 AM	0	0	0	0	7:00 PM	0	0	0	0
7:15 AM	0	0	0	0	7:15 PM	0	0	0	0
7:30 AM	0	0	0	0	7:30 PM	0	0	0	0
7:45 AM	0	0	0	0	7:45 PM	0	0	0	0
8:00 AM	0	0	0	0	8:00 PM	0	0	0	0
8:15 AM	0	0	0	0	8:15 PM	0	0	0	0
8:30 AM	0	0	0	0	8:30 PM	0	0	0	0
8:45 AM	0	0	0	0	8:45 PM	2	0	0	2
9:00 AM	2	0	0	2	9:00 PM	0	0	0	0
9:15 AM	3	0	0	3	9:15 PM	0	0	0	0
9:30 AM	1	0	0	1	9:30 PM	0	0	0	0
9:45 AM	0	0	0	0	9:45 PM	0	0	0	0
10:00 AM	0	0	0	0	10:00 PM	0	0	0	0
10:15 AM	0	0	0	0	10:15 PM	0	0	0	0
10:30 AM	1	0	0	1	10:30 PM	0	0	0	0
10:45 AM	0	0	0	0	10:45 PM	0	0	0	0
11:00 AM	0	0	0	0	11:00 PM	0	0	0	0
11:15 AM	0	0	0	0	11:15 PM	0	0	0	0
11:30 AM	0	0	0	0	11:30 PM	0	0	0	0
11:45 AM	0	0	0	0	11:45 PM	0	0	0	0
AM Total	7	0	0	7	PM Total	12	2	0	14
Percentage	100.00%	0.00%	0.00%		Percentage	85.71%	14.29%	0.00%	
AM Peak	8:45 AM	12:00 AM	12:00 AM	8:45 AM	PM Peak	1:15 PM	12:00 PM	12:00 PM	1:15 PM
Volume	6	0	0	6	Volume	4	1	0	4
					Day Total	19	2	0	21
					Percentage	90.48%	9.52%	0.00%	

Extra Space Driveway
east of Osgood Street
City, State: North Andover, MA
Client: VHB/ P. Dunford
Site Code: 85486.22



Count Date: Wednesday, October 5, 2022
Direction: WB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total	PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	12:00 PM	0	0	0	0
12:15 AM	0	0	0	0	12:15 PM	1	0	0	1
12:30 AM	0	0	0	0	12:30 PM	1	0	0	1
12:45 AM	0	0	0	0	12:45 PM	0	0	0	0
1:00 AM	0	0	0	0	1:00 PM	0	0	0	0
1:15 AM	0	0	0	0	1:15 PM	0	0	0	0
1:30 AM	0	0	0	0	1:30 PM	1	0	0	1
1:45 AM	0	0	0	0	1:45 PM	1	0	0	1
2:00 AM	0	0	0	0	2:00 PM	0	0	0	0
2:15 AM	0	0	0	0	2:15 PM	0	0	0	0
2:30 AM	0	0	0	0	2:30 PM	0	0	0	0
2:45 AM	0	0	0	0	2:45 PM	0	0	0	0
3:00 AM	0	0	0	0	3:00 PM	1	0	0	1
3:15 AM	0	0	0	0	3:15 PM	1	1	0	2
3:30 AM	0	0	0	0	3:30 PM	0	0	0	0
3:45 AM	0	0	0	0	3:45 PM	1	0	0	1
4:00 AM	0	0	0	0	4:00 PM	0	0	0	0
4:15 AM	0	0	0	0	4:15 PM	0	0	0	0
4:30 AM	0	0	0	0	4:30 PM	0	0	0	0
4:45 AM	0	0	0	0	4:45 PM	0	0	0	0
5:00 AM	0	0	0	0	5:00 PM	1	0	0	1
5:15 AM	0	0	0	0	5:15 PM	1	0	0	1
5:30 AM	0	0	0	0	5:30 PM	1	0	0	1
5:45 AM	0	0	0	0	5:45 PM	1	0	0	1
6:00 AM	0	0	0	0	6:00 PM	1	0	0	1
6:15 AM	0	0	0	0	6:15 PM	0	0	0	0
6:30 AM	0	0	0	0	6:30 PM	0	0	0	0
6:45 AM	0	0	0	0	6:45 PM	0	0	0	0
7:00 AM	0	0	0	0	7:00 PM	0	0	0	0
7:15 AM	0	0	0	0	7:15 PM	0	0	0	0
7:30 AM	0	0	0	0	7:30 PM	1	0	0	1
7:45 AM	0	0	0	0	7:45 PM	0	0	0	0
8:00 AM	0	0	0	0	8:00 PM	0	0	0	0
8:15 AM	0	0	0	0	8:15 PM	0	0	0	0
8:30 AM	1	0	0	1	8:30 PM	1	0	0	1
8:45 AM	0	0	0	0	8:45 PM	0	0	0	0
9:00 AM	0	0	0	0	9:00 PM	0	0	0	0
9:15 AM	0	0	0	0	9:15 PM	0	0	0	0
9:30 AM	0	0	0	0	9:30 PM	0	0	0	0
9:45 AM	0	0	0	0	9:45 PM	0	0	0	0
10:00 AM	0	1	0	1	10:00 PM	0	0	0	0
10:15 AM	1	0	0	1	10:15 PM	0	0	0	0
10:30 AM	0	0	0	0	10:30 PM	0	0	0	0
10:45 AM	0	0	0	0	10:45 PM	0	0	0	0
11:00 AM	1	0	0	1	11:00 PM	0	0	0	0
11:15 AM	0	0	0	0	11:15 PM	0	0	0	0
11:30 AM	0	0	0	0	11:30 PM	0	0	0	0
11:45 AM	0	0	0	0	11:45 PM	0	0	0	0
AM Total	3	1	0	4	PM Total	14	1	0	15
Percentage	75.00%	25.00%	0.00%		Percentage	93.33%	6.67%	0.00%	
AM Peak	10:15 AM	9:15 AM	12:00 AM	9:30 AM	PM Peak	5:00 PM	2:30 PM	12:00 PM	3:00 PM
Volume	2	1	0	2	Volume	4	1	0	4
					Day Total	17	2	0	19
					Percentage	89.47%	10.53%	0.00%	

Extra Space Driveway
east of Osgood Street
City, State: North Andover, MA
Client: VHB/ P. Dunford
Site Code: 85486.22



Count Date: Thursday, October 6, 2022
Direction: WB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total	PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0	12:00 PM	1	1	0	2
12:15 AM	0	0	0	0	12:15 PM	0	0	0	0
12:30 AM	0	0	0	0	12:30 PM	0	0	0	0
12:45 AM	0	0	0	0	12:45 PM	0	0	0	0
1:00 AM	0	0	0	0	1:00 PM	0	0	0	0
1:15 AM	0	0	0	0	1:15 PM	0	0	0	0
1:30 AM	0	0	0	0	1:30 PM	0	0	0	0
1:45 AM	0	0	0	0	1:45 PM	1	0	0	1
2:00 AM	0	0	0	0	2:00 PM	1	0	0	1
2:15 AM	0	0	0	0	2:15 PM	1	0	0	1
2:30 AM	0	0	0	0	2:30 PM	0	0	0	0
2:45 AM	0	0	0	0	2:45 PM	3	0	0	3
3:00 AM	0	0	0	0	3:00 PM	0	1	0	1
3:15 AM	0	0	0	0	3:15 PM	1	0	0	1
3:30 AM	0	0	0	0	3:30 PM	0	0	0	0
3:45 AM	0	0	0	0	3:45 PM	0	0	0	0
4:00 AM	0	0	0	0	4:00 PM	0	0	0	0
4:15 AM	0	0	0	0	4:15 PM	1	0	0	1
4:30 AM	0	0	0	0	4:30 PM	0	0	0	0
4:45 AM	0	0	0	0	4:45 PM	0	0	0	0
5:00 AM	0	0	0	0	5:00 PM	1	0	0	1
5:15 AM	0	0	0	0	5:15 PM	0	0	0	0
5:30 AM	0	0	0	0	5:30 PM	0	0	0	0
5:45 AM	0	0	0	0	5:45 PM	0	0	0	0
6:00 AM	0	0	0	0	6:00 PM	1	0	0	1
6:15 AM	0	0	0	0	6:15 PM	1	0	0	1
6:30 AM	0	0	0	0	6:30 PM	0	0	0	0
6:45 AM	0	0	0	0	6:45 PM	0	0	0	0
7:00 AM	0	0	0	0	7:00 PM	0	0	0	0
7:15 AM	0	0	0	0	7:15 PM	2	0	0	2
7:30 AM	0	0	0	0	7:30 PM	0	0	0	0
7:45 AM	0	0	0	0	7:45 PM	0	0	0	0
8:00 AM	0	0	0	0	8:00 PM	0	0	0	0
8:15 AM	0	0	0	0	8:15 PM	0	0	0	0
8:30 AM	0	0	0	0	8:30 PM	0	0	0	0
8:45 AM	0	0	0	0	8:45 PM	1	0	0	1
9:00 AM	0	0	0	0	9:00 PM	2	0	0	2
9:15 AM	0	0	0	0	9:15 PM	0	0	0	0
9:30 AM	4	0	0	4	9:30 PM	0	0	0	0
9:45 AM	0	0	0	0	9:45 PM	0	0	0	0
10:00 AM	0	0	0	0	10:00 PM	0	0	0	0
10:15 AM	0	0	0	0	10:15 PM	0	0	0	0
10:30 AM	2	0	0	2	10:30 PM	0	0	0	0
10:45 AM	0	0	0	0	10:45 PM	0	0	0	0
11:00 AM	1	0	0	1	11:00 PM	0	0	0	0
11:15 AM	0	0	0	0	11:15 PM	0	0	0	0
11:30 AM	0	0	0	0	11:30 PM	0	0	0	0
11:45 AM	0	0	0	0	11:45 PM	0	0	0	0
AM Total	7	0	0	7	PM Total	17	2	0	19
Percentage	100.00%	0.00%	0.00%		Percentage	89.47%	10.53%	0.00%	
AM Peak	8:45 AM	12:00 AM	12:00 AM	8:45 AM	PM Peak	2:00 PM	12:00 PM	12:00 PM	2:00 PM
Volume	4	0	0	4	Volume	5	1	0	5
					Day Total	24	2	0	26
					Percentage	92.31%	7.69%	0.00%	



PRECISION
DATA
INDUSTRIES, LLC

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

Weekly Report

[illegible]



PRECISION
DATA
INDUSTRIES, LLC

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

Weekly Report

[illegible]



PRECISION
DATA
INDUSTRIES, LLC

Location Map: 217935 Malden, MA

Precision Data Industries, LLC 157 Washington Street, Suite 2, Hudson, MA 01749 ph: 508-875-0100 email: datarequests@pdillc.com

(3) 7-9am/ 4-6pm TMCs
(3) Lot Studies



Client:
VHB

Engineer:
M. Kealey

Site Code:
52739

Date:
Thursday 5/6/2021

PDI Job #
217935

City, State:
Malden, MA

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Cars and Heavy Vehicles (Combined)

	Bryant Street				Public Storage Driveway				Bryant Street				Total	
	from North				from East				from South					
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total		
7:00 AM	21	1	0	22	0	0	0	0	0	0	0	0	0	22
7:15 AM	46	0	0	46	0	1	0	1	0	0	0	0	0	47
7:30 AM	38	0	0	38	0	0	0	0	0	0	0	0	0	38
7:45 AM	59	0	0	59	0	0	0	0	0	0	0	0	0	59
Total	164	1	0	165	0	1	0	1	0	0	0	0	0	166
8:00 AM	46	0	0	46	0	0	0	0	0	0	0	0	0	46
8:15 AM	57	0	0	57	0	1	0	1	0	0	0	0	0	58
8:30 AM	27	0	0	27	0	1	0	1	0	1	0	1	1	29
8:45 AM	30	0	0	30	0	1	0	1	0	1	0	1	1	32
Total	160	0	0	160	0	3	0	3	0	2	0	2	2	165
Grand Total	324	1	0	325	0	4	0	4	0	2	0	2	2	331
Approach %	99.7	0.3	0.0		0.0	100.0	0.0		0.0	100.0	0.0			
Total %	97.9	0.3	0.0	98.2	0.0	1.2	0.0	1.2	0.0	0.6	0.0	0.6		
Exiting Leg Total	2				1				328				331	
Cars	312	1	0	313	0	4	0	4	0	2	0	2	2	319
% Cars	96.3	100.0	0.0	96.3	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	100.0	96.4
Exiting Leg Total	2				1				316				319	
Heavy Vehicles	12	0	0	12	0	0	0	0	0	0	0	0	0	12
% Heavy Vehicles	3.7	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Exiting Leg Total	0				0				12				12	

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:30 AM	38	0	0	38	0	0	0	0	0	0	0	0	38
7:45 AM	59	0	0	59	0	0	0	0	0	0	0	0	59
8:00 AM	46	0	0	46	0	0	0	0	0	0	0	0	46
8:15 AM	57	0	0	57	0	1	0	1	0	0	0	0	58
Total Volume	200	0	0	200	0	1	0	1	0	0	0	0	201
% Approach Total	100.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.847	0.000	0.000	0.847	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.852
Cars	191	0	0	191	0	1	0	1	0	0	0	0	192
Cars %	95.5	0.0	0.0	95.5	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	95.5
Heavy Vehicles	9	0	0	9	0	0	0	0	0	0	0	0	9
Heavy Vehicles %	4.5	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
Cars Enter Leg	191	0	0	191	0	1	0	1	0	0	0	0	192
Heavy Enter Leg	9	0	0	9	0	0	0	0	0	0	0	0	9
Total Entering Leg	200	0	0	200	0	1	0	1	0	0	0	0	201
Cars Exiting Leg				0				0				192	192
Heavy Exiting Leg				0				0				9	9
Total Exiting Leg				0				0				201	201

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Cars

	Bryant Street					Public Storage Driveway					Bryant Street					Total
	from North					from East					from South					
	Thru	Left	U-Turn	Total		Right	Left	U-Turn	Total		Right	Thru	U-Turn	Total		
7:00 AM	21	1	0	22		0	0	0	0		0	0	0	0		22
7:15 AM	45	0	0	45		0	1	0	1		0	0	0	0		46
7:30 AM	37	0	0	37		0	0	0	0		0	0	0	0		37
7:45 AM	58	0	0	58		0	0	0	0		0	0	0	0		58
Total	161	1	0	162		0	1	0	1		0	0	0	0		163
8:00 AM	44	0	0	44		0	0	0	0		0	0	0	0		44
8:15 AM	52	0	0	52		0	1	0	1		0	0	0	0		53
8:30 AM	27	0	0	27		0	1	0	1		0	1	0	1		29
8:45 AM	28	0	0	28		0	1	0	1		0	1	0	1		30
Total	151	0	0	151		0	3	0	3		0	2	0	2		156
Grand Total	312	1	0	313		0	4	0	4		0	2	0	2		319
Approach %	99.7	0.3	0.0			0.0	100.0	0.0			0.0	100.0	0.0			
Total %	97.8	0.3	0.0	98.1		0.0	1.3	0.0	1.3		0.0	0.6	0.0	0.6		
Exiting Leg Total	2					1					316					319

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:30 AM	37	0	0	37	0	0	0	0	0	0	0	0	37
7:45 AM	58	0	0	58	0	0	0	0	0	0	0	0	58
8:00 AM	44	0	0	44	0	0	0	0	0	0	0	0	44
8:15 AM	52	0	0	52	0	1	0	1	0	0	0	0	53
Total Volume	191	0	0	191	0	1	0	1	0	0	0	0	192
% Approach Total	100.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.823	0.000	0.000	0.823	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.828
Entering Leg	191	0	0	191	0	1	0	1	0	0	0	0	192
Exiting Leg				0				0				192	192
Total				191				1				192	384

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:30 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:45 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total	3	0	0	3	0	0	0	0	0	0	0	0	3
8:00 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
8:15 AM	5	0	0	5	0	0	0	0	0	0	0	0	5
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
Total	9	0	0	9	0	0	0	0	0	0	0	0	9
Grand Total	12	0	0	12	0	0	0	0	0	0	0	0	12
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				12				12
Buses	8	0	0	8	0	0	0	0	0	0	0	0	8
% Buses	66.7	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7
Exiting Leg Total	0				0				8				8
Single-Unit Trucks	4	0	0	4	0	0	0	0	0	0	0	0	4
% Single-Unit	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
Exiting Leg Total	0				0				4				4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:30 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:45 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:00 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
8:15 AM	5	0	0	5	0	0	0	0	0	0	0	0	5
Total Volume	9	0	0	9	0	0	0	0	0	0	0	0	9
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.450	0.000	0.000	0.450	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450
Buses	6	0	0	6	0	0	0	0	0	0	0	0	6
Buses %	66.7	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7
Single-Unit Trucks	3	0	0	3	0	0	0	0	0	0	0	0	3
Single-Unit %	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	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
Buses	6	0	0	6	0	0	0	0	0	0	0	0	6
Single-Unit Trucks	3	0	0	3	0	0	0	0	0	0	0	0	3
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	9	0	0	9	0	0	0	0	0	0	0	0	9
Buses				0				0				6	6
Single-Unit Trucks				0				0				3	3
Articulated Trucks				0				0				0	0
Total Exiting Leg				0				0				9	9

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Buses

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:45 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total	2	0	0	2	0	0	0	0	0	0	0	0	2
8:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:15 AM	3	0	0	3	0	0	0	0	0	0	0	0	3
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
Total	6	0	0	6	0	0	0	0	0	0	0	0	6
Grand Total	8	0	0	8	0	0	0	0	0	0	0	0	8
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				8				8

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:30 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:45 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:15 AM	3	0	0	3	0	0	0	0	0	0	0	0	3
Total Volume	6	0	0	6	0	0	0	0	0	0	0	0	6
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	6	0	0	6	0	0	0	0	0	0	0	0	6
Exiting Leg				0				0				6	6
Total				6				0				6	12

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Single-Unit Trucks

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	1	0	0	0	0	0	0	0	0	1
8:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:15 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	0	0	3	0	0	0	0	0	0	0	0	3
Grand Total	4	0	0	4	0	0	0	0	0	0	0	0	4
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				4				4

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	1
8:15 AM	2	0	0	2	0	0	0	0	0	0	0	0	2
Total Volume	3	0	0	3	0	0	0	0	0	0	0	0	3
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.375	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375
Entering Leg	3	0	0	3	0	0	0	0	0	0	0	0	3
Exiting Leg				0				0				3	3
Total				3				0				3	6

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Articulated Trucks

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Bicycles (on Roadway and Crosswalks)

	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	2
Approach %	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	50.0	
Exiting Leg Total	1						1						0						2

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Total Volume	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	2
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.250	0.500
Entering Leg	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	2
Exiting Leg	1						1						0						2
Total	1						2						1						4

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Pedestrians

	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
7:45 AM	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	3	3	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	1	6	7	0	0	0	0	0	0
Approach %	0	0	0	0	0	0	0	0	0	0	14.286	85.714		0	0	0	0	0	
Total %	0	0	0	0	0	0	0	0	0	0	14.286	85.714	100	0	0	0	0	0	
Exiting Leg Total	0						7						0						7

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:15 AM	Bryant Street						Public Storage Driveway						Bryant Street						Total	
	from North						from East						from South							
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total		
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
Total Volume	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	5
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.625		0.000	0.000	0.000	0.000	0.000	0.000	0.625
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	5
Exiting Leg	0						5						0						5	
Total	0						10						0						10	

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	47	0	0	47	0	0	0	0	0	1	0	1	48
4:15 PM	32	1	0	33	0	1	0	1	0	0	0	0	34
4:30 PM	35	0	0	35	0	0	0	0	0	1	0	1	36
4:45 PM	31	0	0	31	0	0	0	0	0	0	0	0	31
Total	145	1	0	146	0	1	0	1	0	2	0	2	149
5:00 PM	33	0	0	33	0	4	0	4	0	0	0	0	37
5:15 PM	46	0	0	46	0	0	0	0	0	0	0	0	46
5:30 PM	32	0	0	32	0	0	0	0	0	0	0	0	32
5:45 PM	36	0	0	36	0	0	0	0	0	0	0	0	36
Total	147	0	0	147	0	4	0	4	0	0	0	0	151
Grand Total	292	1	0	293	0	5	0	5	0	2	0	2	300
Approach %	99.7	0.3	0.0		0.0	100.0	0.0		0.0	100.0	0.0		
Total %	97.3	0.3	0.0	97.7	0.0	1.7	0.0	1.7	0.0	0.7	0.0	0.7	
Exiting Leg Total	2				1				297				300
Cars	286	1	0	287	0	5	0	5	0	2	0	2	294
% Cars	97.9	100.0	0.0	98.0	0.0	100.0	0.0	100.0	0.0	100.0	0.0	100.0	98.0
Exiting Leg Total	2				1				291				294
Heavy Vehicles	6	0	0	6	0	0	0	0	0	0	0	0	6
% Heavy Vehicles	2.1	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
Exiting Leg Total	0				0				6				6

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
5:00 PM	33	0	0	33	0	4	0	4	0	0	0	0	37
5:15 PM	46	0	0	46	0	0	0	0	0	0	0	0	46
5:30 PM	32	0	0	32	0	0	0	0	0	0	0	0	32
5:45 PM	36	0	0	36	0	0	0	0	0	0	0	0	36
Total Volume	147	0	0	147	0	4	0	4	0	0	0	0	151
% Approach Total	100.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.799	0.000	0.000	0.799	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.821
Cars	146	0	0	146	0	4	0	4	0	0	0	0	150
Cars %	99.3	0.0	0.0	99.3	0.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	99.3
Heavy Vehicles	1	0	0	1	0	0	0	0	0	0	0	0	1
Heavy Vehicles %	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Cars Enter Leg	146	0	0	146	0	4	0	4	0	0	0	0	150
Heavy Enter Leg	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Entering Leg	147	0	0	147	0	4	0	4	0	0	0	0	151
Cars Exiting Leg	0				0				150				150
Heavy Exiting Leg	0				0				1				1
Total Exiting Leg	0				0				151				151

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	45	0	0	45	0	0	0	0	0	1	0	1	46
4:15 PM	31	1	0	32	0	1	0	1	0	0	0	0	33
4:30 PM	34	0	0	34	0	0	0	0	0	1	0	1	35
4:45 PM	30	0	0	30	0	0	0	0	0	0	0	0	30
Total	140	1	0	141	0	1	0	1	0	2	0	2	144
5:00 PM	32	0	0	32	0	4	0	4	0	0	0	0	36
5:15 PM	46	0	0	46	0	0	0	0	0	0	0	0	46
5:30 PM	32	0	0	32	0	0	0	0	0	0	0	0	32
5:45 PM	36	0	0	36	0	0	0	0	0	0	0	0	36
Total	146	0	0	146	0	4	0	4	0	0	0	0	150
Grand Total	286	1	0	287	0	5	0	5	0	2	0	2	294
Approach %	99.7	0.3	0.0		0.0	100.0	0.0		0.0	100.0	0.0		
Total %	97.3	0.3	0.0	97.6	0.0	1.7	0.0	1.7	0.0	0.7	0.0	0.7	
Exiting Leg Total	2				1				291				294

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
5:00 PM	32	0	0	32	0	4	0	4	0	0	0	0	36
5:15 PM	46	0	0	46	0	0	0	0	0	0	0	0	46
5:30 PM	32	0	0	32	0	0	0	0	0	0	0	0	32
5:45 PM	36	0	0	36	0	0	0	0	0	0	0	0	36
Total Volume	146	0	0	146	0	4	0	4	0	0	0	0	150
% Approach Total	100.0	0.0	0.0		0.0	100.0	0.0		0.0	0.0	0.0		
PHF	0.793	0.000	0.000	0.793	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.815
Entering Leg	146	0	0	146	0	4	0	4	0	0	0	0	150
Exiting Leg				0				0				150	150
Total				146				4				150	300

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	2	0	0	2	0	0	0	0	0	0	0	0	2
4:15 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:45 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total	5	0	0	5	0	0	0	0	0	0	0	0	5
5:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	1	0	0	0	0	0	0	0	0	1
Grand Total	6	0	0	6	0	0	0	0	0	0	0	0	6
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				6				6
Buses	2	0	0	2	0	0	0	0	0	0	0	0	2
% Buses	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
Exiting Leg Total	0				0				2				2
Single-Unit Trucks	4	0	0	4	0	0	0	0	0	0	0	0	4
% Single-Unit	66.7	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7
Exiting Leg Total	0				0				4				4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total	
	from North				from East				from South					
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total		
4:00 PM	2	0	0	2	0	0	0	0	0	0	0	0	0	2
4:15 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	1
4:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	1
4:45 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	1
Total Volume	5	0	0	5	0	0	0	0	0	0	0	0	0	5
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0			
PHF	0.625	0.000	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625
Buses	1	0	0	1	0	0	0	0	0	0	0	0	0	1
Buses %	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
Single-Unit Trucks	4	0	0	4	0	0	0	0	0	0	0	0	0	4
Single-Unit %	80.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Articulated %	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
Buses	1	0	0	1	0	0	0	0	0	0	0	0	0	1
Single-Unit Trucks	4	0	0	4	0	0	0	0	0	0	0	0	0	4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Entering Leg	5	0	0	5	0	0	0	0	0	0	0	0	0	5
Buses				0				0					1	1
Single-Unit Trucks				0				0					4	4
Articulated Trucks				0				0					0	0
Total Exiting Leg				0				0					5	5

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Buses

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	1	0	0	0	0	0	0	0	0	1
5:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	1	0	0	0	0	0	0	0	0	1
Grand Total	2	0	0	2	0	0	0	0	0	0	0	0	2
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				2				2

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Volume	2	0	0	2	0	0	0	0	0	0	0	0	2
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	2	0	0	2	0	0	0	0	0	0	0	0	2
Exiting Leg				0				0				2	2
Total				2				0				2	4

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Single-Unit Trucks

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	2	0	0	2	0	0	0	0	0	0	0	0	2
4:15 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total	4	0	0	4	0	0	0	0	0	0	0	0	4
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	4	0	0	4	0	0	0	0	0	0	0	0	4
Approach %	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
Total %	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				4				4

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	2	0	0	2	0	0	0	0	0	0	0	0	2
4:15 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Volume	4	0	0	4	0	0	0	0	0	0	0	0	4
% Approach Total	100.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	4	0	0	4	0	0	0	0	0	0	0	0	4
Exiting Leg				0				0				4	4
Total				4				0				4	8

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Articulated Trucks

	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0				0				0				0

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Bryant Street				Public Storage Driveway				Bryant Street				Total
	from North				from East				from South				
	Thru	Left	U-Turn	Total	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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
% Approach Total	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg				0				0				0	0
Total				0				0				0	0

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Bicycles (on Roadway and Crosswalks)

	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	2	2	0	0	0	0	0	0	2
Grand Total	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
Approach %	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0						2						0						2

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:30 PM	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
Total Volume	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250
Entering Leg	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
Exiting Leg	0						2						0						2
Total	0						4						0						4

PDI File #: **217935 A**
 Location: **N: Bryant Street S: Bryant Street**
 Location: **E: Public Storage Driveway**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Pedestrians

	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	2
4:45 PM	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	2	1	3	0	0	0	0	0	0	3
5:00 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	4
5:15 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	3	2	5	0	0	0	2	0	2	7
Grand Total	0	0	0	0	0	0	0	0	0	5	3	8	0	0	0	2	0	2	10
Approach %	0	0	0	0	0	0	0	0	0	62.5	37.5		0	0	0	100	0		
Total %	0	0	0	0	0	0	0	0	0	50	30	80	0	0	0	20	0	20	
Exiting Leg Total	0						8						2						10

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Bryant Street						Public Storage Driveway						Bryant Street						Total
	from North						from East						from South						
	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	U-Turn	CW-WB	CW-EB	Total	
4:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	2	0	2	4
Total Volume	0	0	0	0	0	0	0	0	0	4	1	5	0	0	0	2	0	2	7
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	20.0		0.0	0.0	0.0	100.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.250	0.625	0.000	0.000	0.000	0.250	0.000	0.250	0.438
Entering Leg	0	0	0	0	0	0	0	0	0	4	1	5	0	0	0	2	0	2	7
Exiting Leg	0						5						2						7
Total	0						10						4						14



PRECISION
DATA
INDUSTRIES, LLC

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

PDI File #: 217935 B
Location: N: Faulkner Street S: Faulkner Street
Location: W: Public Storage Parking Area SW: Public Storage Front Lot
City, State: Malden, MA
Client: VHB/ M. Kealey
Site Code: 52739
Count Date: Thursday, May 6, 2021
Start Time: 7:00 AM
End Time: 9:00 AM
Class:

Cars and Heavy Vehicles (Combined)

	Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	
7:00 AM	0	0	0	0	0	28	2	0	0	0	30	0	0	1	0	1	31	
7:15 AM	0	0	0	0	0	26	0	0	0	0	26	0	0	0	0	0	26	
7:30 AM	0	0	1	0	1	47	0	0	0	0	47	0	0	0	0	0	48	
7:45 AM	0	0	0	0	0	74	0	0	0	0	74	0	0	0	0	0	74	
Total	0	0	1	0	1	175	2	0	0	0	177	0	0	1	0	1	179	
8:00 AM	0	0	0	0	0	58	0	0	0	0	58	0	0	0	0	0	58	
8:15 AM	0	0	0	0	0	34	2	2	0	0	38	0	0	0	0	0	38	
8:30 AM	0	0	0	0	0	36	0	1	0	0	37	0	0	0	0	0	37	
8:45 AM	0	0	0	0	0	19	1	0	0	0	20	0	0	0	0	0	20	
Total	0	0	0	0	0	147	3	3	0	0	153	0	0	0	0	0	153	
Grand Total	0	0	1	0	1	322	5	3	0	0	330	0	0	1	0	1	332	
Approach %	0.0	0.0	100.0	0.0	0.0	97.6	1.5	0.9	0.0	0.0	99.4	0.0	0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.3	0.0	0.3	97.0	1.5	0.9	0.0	0.0	99.4	0.0	0.0	0.3	0.0	0.3		
Exiting Leg Total	323						1						3					
Cars	0	0	1	0	1	311	5	3	0	0	319	0	0	1	0	1	321	
% Cars	0.0	0.0	100.0	0.0	100.0	96.6	100.0	100.0	0.0	0.0	96.7	0.0	0.0	100.0	0.0	100.0	96.7	
Exiting Leg Total	312						1						3					
Heavy Vehicles	0	0	0	0	0	11	0	0	0	0	11	0	0	0	0	0	11	
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3	
Exiting Leg Total	11						0						0					

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest					
	Right	Bear Right	Thru	U-Turn	Total		Thru	Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	
7:30 AM	0	0	1	0	1	47	0	0	0	0	47	0	0	0	0	0	48	
7:45 AM	0	0	0	0	0	74	0	0	0	0	74	0	0	0	0	0	74	
8:00 AM	0	0	0	0	0	58	0	0	0	0	58	0	0	0	0	0	58	
8:15 AM	0	0	0	0	0	34	2	2	0	0	38	0	0	0	0	0	38	
Total Volume	0	0	1	0	1	213	2	2	0	0	217	0	0	0	0	0	218	
% Approach Total	0.0	0.0	100.0	0.0	0.0	98.2	0.9	0.9	0.0	0.0	97.3	0.0	0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.250	0.000	0.250	0.720	0.250	0.250	0.000	0.000	0.733	0.000	0.000	0.000	0.000	0.000	0.736	
Cars	0	0	1	0	1	208	2	2	0	0	212	0	0	0	0	0	213	
Cars %	0.0	0.0	100.0	0.0	100.0	97.7	100.0	100.0	0.0	0.0	97.7	0.0	0.0	0.0	0.0	0.0	97.7	
Heavy Vehicles	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	5	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	
Cars Enter Leg	0	0	1	0	1	208	2	2	0	0	212	0	0	0	0	0	213	
Heavy Enter Leg	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	5	
Total Entering Leg	0	0	1	0	1	213	2	2	0	0	217	0	0	0	0	0	218	
Cars Exiting Leg	208						1						2					
Heavy Exiting Leg	5						0						0					
Total Exiting Leg	213						1						2					

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Cars

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area						
	from North						from South						from Southwest						from West						
	Right	Bear Right	Thru	U-Turn	Total		Thru	Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total	Total	
7:00 AM	0	0	0	0	0		28	2	0	0	30		0	0	0	0	0	0	0	0	1	0	1	31	
7:15 AM	0	0	0	0	0		23	0	0	0	23		0	0	0	0	0	0	0	0	0	0	0	23	
7:30 AM	0	0	1	0	1		46	0	0	0	46		0	0	0	0	0	0	0	0	0	0	0	47	
7:45 AM	0	0	0	0	0		71	0	0	0	71		0	0	0	0	0	0	0	0	0	0	0	71	
Total	0	0	1	0	1		168	2	0	0	170		0	0	0	0	0	0	0	0	1	0	1	172	
8:00 AM	0	0	0	0	0		58	0	0	0	58		0	0	0	0	0	0	0	0	0	0	0	58	
8:15 AM	0	0	0	0	0		33	2	2	0	37		0	0	0	0	0	0	0	0	0	0	0	37	
8:30 AM	0	0	0	0	0		35	0	1	0	36		0	0	0	0	0	0	0	0	0	0	0	36	
8:45 AM	0	0	0	0	0		17	1	0	0	18		0	0	0	0	0	0	0	0	0	0	0	18	
Total	0	0	0	0	0		143	3	3	0	149		0	0	0	0	0	0	0	0	0	0	0	149	
Grand Total	0	0	1	0	1		311	5	3	0	319		0	0	0	0	0	0	0	0	1	0	1	321	
Approach %	0.0	0.0	100.0	0.0	0.3		97.5	1.6	0.9	0.0	97.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.3		
Total %	0.0	0.0	0.3	0.0	0.3		96.9	1.6	0.9	0.0	99.4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3		
Exiting Leg Total	312						1						3						5						321

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	Faulkner Street					Faulkner Street					Public Storage Front Lot					Public Storage Parking Area									
	from North					from South					from Southwest					from West									
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total					
7:30 AM	0	0	1	0	1	46	0	0	0	0	46	0	0	0	0	0	0	0	0	0	47				
7:45 AM	0	0	0	0	0	71	0	0	0	0	71	0	0	0	0	0	0	0	0	0	71				
8:00 AM	0	0	0	0	0	58	0	0	0	0	58	0	0	0	0	0	0	0	0	0	58				
8:15 AM	0	0	0	0	0	33	2	2	0	0	37	0	0	0	0	0	0	0	0	0	37				
Total Volume	0	0	1	0	1	208	2	2	0	0	212	0	0	0	0	0	0	0	0	0	213				
% Approach Total	0.0	0.0	100.0	0.0	0.250	98.1	0.9	0.9	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750				
PHF	0.000	0.000	0.250	0.000	0.250	0.732	0.250	0.250	0.000	0.000	0.746	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750				
Entering Leg	0	0	1	0	1	208	2	2	0	0	212	0	0	0	0	0	0	0	0	0	213				
Exiting Leg	208					1					2					2					213				
Total	209					213					2					2					426				

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



PRECISION
DATA
INDUSTRIES, LLC

157 Washington Street, Suite 2

Hudson, MA 01749

Office: 508-875-0100 Fax: 508-875-0118

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Thru	Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total	Total
7:00 AM	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0		3	0	0	0	3		0	0	0	0	0	0	0	0	0	0	0	3
7:30 AM	0	0	0	0	0		1	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0		3	0	0	0	3		0	0	0	0	0	0	0	0	0	0	0	3
Total	0	0	0	0	0		7	0	0	0	7		0	0	0	0	0	0	0	0	0	0	0	7
8:00 AM	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0		1	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0		1	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0		2	0	0	0	2		0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0		4	0	0	0	4		0	0	0	0	0	0	0	0	0	0	0	4
Grand Total	0	0	0	0	0		11	0	0	0	11		0	0	0	0	0	0	0	0	0	0	0	11
Approach %	0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Total %	0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Exiting Leg Total	11												0					0						11
Buses	0	0	0	0	0		2	0	0	0	2		0	0	0	0	0	0	0	0	0	0	0	2
% Buses	0.0	0.0	0.0	0.0	0.0		18.2	0.0	0.0	0.0	18.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2
Exiting Leg Total	2												0					0						2
Single-Unit Trucks	0	0	0	0	0		9	0	0	0	9		0	0	0	0	0	0	0	0	0	0	0	9
% Single-Unit	0.0	0.0	0.0	0.0	0.0		81.8	0.0	0.0	0.0	81.8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.8
Exiting Leg Total	9												0					0						9
Articulated Trucks	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
% Articulated	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	0.0	0.0	0.0	0.0
Exiting Leg Total	0												0					0						0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total				
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7:15 AM	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3			
7:30 AM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1			
7:45 AM	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3			
Total Volume	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7			
% Approach Total	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.583	0.000	0.000	0.000	0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.583			
Buses	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2			
Buses %	0.0	0.0	0.0	0.0	0.0	28.6	0.0	0.0	0.0	0.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6			
Single-Unit Trucks	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5			
Single-Unit %	0.0	0.0	0.0	0.0	0.0	71.4	0.0	0.0	0.0	0.0	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.4			
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Articulated %	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	0.0	0.0	0.0			
Buses	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2			
Single-Unit Trucks	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5			
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total Entering Leg	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7			
Buses						2					0										2			

PDI File #:

217935 B

Location:

N: Faulkner Street S: Faulkner Street
W: Public Storage Parking Area SW: Public Storage Front Lot

City, State:

Malden, MA

Client:

VHB/ M. Kealey

Site Code:

52739

Count Date:

Thursday, May 6, 2021

Start Time:

7:00 AM

End Time:

9:00 AM

Class:

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Faulkner Street					Faulkner Street					Public Storage Front Lot					Public Storage Parking Area				
	from North					from South					from Southwest					from West				
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	Hard Right	Bear Left	Hard Left	Hard Right	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total
Single-Unit Trucks	5				5									0	0				0	5
Articulated Trucks	0				0									0	0				0	0
Total Exiting Leg	7				7									0	0				0	7



PRECISION
DATA
INDUSTRIES, LLC

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

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Buses

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Approach %	0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	2						0						0						0					

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.500
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Entering Leg	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Exiting Leg	2						0						0						0					
Total	2						2						0						0					

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Single-Unit Trucks

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	Hard Right	Bear Left	Hard Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	Total	Total	Total	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Grand Total	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Approach %	0.0	0.0	0.0	0.0	0.0	100.0	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	0.0
Total %	0.0	0.0	0.0	0.0	0.0	100.0	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	0.0
Exiting Leg Total	9						0						0						0					

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	Hard Right	Bear Left	Hard Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	Total	Total	Total	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
% Approach Total	0.0	0.0	0.0	0.0	0.0	100.0	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	0.625
PHF	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625
Entering Leg	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Exiting Leg	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	5						5						0						0					

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Articulated Trucks

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	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	0.0	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
Exiting Leg Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0	0	0	0	0	0
% Approach Total	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	0.0	0.0	0.0	0.0	0.0	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PDI File #:

217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



PRECISION
DATA
INDUSTRIES, LLC

157 Washington Street, Suite 2

Hudson, MA 01749

Office: 508-875-0100 Fax: 508-875-0118

Bicycles (on Roadway and Crosswalks)

	Faulkner Street										Public Storage Parking Area									
	from North										from West									
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	0.0	0.0
Total %	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	0.0	0.0
Exiting Leg Total	0										0									

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Faulkner Street										Public Storage Parking Area									
	from North										from West									
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	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	0	0	0	0	0	0	0
% Approach Total	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	0.0	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0										0									

PDI File #:

217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



PRECISION
DATA
INDUSTRIES, LLC

157 Washington Street, Suite 2

Hudson, MA 01749

Office: 508-875-0100 Fax: 508-875-0118

Pedestrians

	Faulkner Street						Faulkner Street						Public Storage Parking Area					
	from North						from South						from West					
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	8
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	14
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	15
8:45 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	4	9
Total	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	23	25	48
Grand Total																		
Approach %	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	27	29	56
Total %	0	0	0	0	100		0	0	0	0	0	0	0	0	0	48.214	51.786	
Exiting Leg Total	0	0	0	0	1.7544	1.7544	0	0	0	0	0	0	0	0	0	47.368	50.877	98.246
	1						0						56					
													57					

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

8:00 AM	Faulkner Street						Faulkner Street						Public Storage Parking Area						
	from North						from South						from West						
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total	
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	14
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	10
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	15	15
8:45 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	5	4	9	10
Total Volume	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	23	25	48	49
% Approach Total	0.0	0.0	0.0	0.0	100.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.9	52.1		
PHF	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.719	0.781	0.800	0.817
Entering Leg	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	23	25	48	49
Exiting Leg	1						0						0						
Total	2						0						0						



PRECISION
DATA
INDUSTRIES, LLC

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

PDI File #: 217935 B
Location: N: Faulkner Street S: Faulkner Street
Location: W: Public Storage Parking Area SW: Public Storage Front Lot
City, State: Malden, MA
Client: VHB/ M. Kealey
Site Code: 52739
Count Date: Thursday, May 6, 2021
Start Time: 4:00 PM
End Time: 6:00 PM
Class:

Cars and Heavy Vehicles (Combined)

	Faulkner Street							Public Storage Front Lot							Public Storage Parking Area						
	from North							from Southwest							from West						
	Right	Bear Right	Thru	U-Turn	Total	Left	Hard Left	Hard Right	Bear Left	Hard Left	Hard Right	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total		
4:00 PM	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	1	58	
4:15 PM	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	1	0	0	1	48	
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	
4:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	61	
Total	0	0	1	0	1	213	4	2	0	2	0	0	0	2	0	0	3	0	3	225	
5:00 PM	0	0	0	0	0	63	0	1	0	0	0	0	0	1	0	1	0	0	1	66	
5:15 PM	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	58	
5:30 PM	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
5:45 PM	0	0	0	0	0	57	0	1	0	0	0	0	0	0	0	0	0	0	0	58	
Total	0	0	0	0	0	211	0	2	0	2	0	0	0	1	0	1	0	0	1	215	
Grand Total	0	0	1	0	1	424	4	4	0	2	0	0	0	3	0	1	3	0	4	440	
Approach %	0.0	0.0	100.0	0.0	0.0	98.1	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	75.0	0.0	0.0		
Total %	0.0	0.0	0.2	0.0	0.2	96.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.2	0.7	0.0	0.9		
Exiting Leg Total	429							3							4						
Cars	0	0	1	0	0	420	4	4	0	2	0	0	0	2	0	0	3	0	3	434	
% Cars	0.0	0.0	100.0	0.0	100.0	99.1	100.0	100.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	100.0	0.0	75.0	98.6	
Exiting Leg Total	425							1							4						
Heavy Vehicles	0	0	0	0	0	4	0	0	0	0	0	0	0	1	0	1	0	0	1	6	
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	100.0	0.0	0.0	33.3	0.0	100.0	0.0	0.0	25.0	1.4	
Exiting Leg Total	4							2							0						

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:30 PM	Faulkner Street							Public Storage Front Lot							Public Storage Parking Area						
	from North							from Southwest							from West						
	Right	Bear Right	Thru	U-Turn	Total	Left	Hard Left	Hard Right	Bear Left	Hard Left	Hard Right	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total		
4:30 PM	0	0	0	0	0	57	0	0	0	0	0	0	0	1	0	0	0	0	0	58	
4:45 PM	0	0	0	0	0	58	0	1	0	0	0	0	0	1	0	0	1	0	1	61	
5:00 PM	0	0	0	0	0	63	0	1	0	0	0	0	0	1	0	1	0	0	1	66	
5:15 PM	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	58	
Total Volume	0	0	0	0	0	236	0	2	0	2	0	0	0	3	0	1	1	0	2	243	
% Approach Total	0.0	0.0	0.0	0.0	0.0	99.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.750	0.000	0.250	0.000	0.000	0.500	0.920	
PHF	0.000	0.000	0.000	0.000	0.000	0.937	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.250	0.000	0.000	0.500		
Cars	0	0	0	0	0	234	0	2	0	2	0	0	0	2	0	0	1	0	1	239	
Cars %	0.0	0.0	0.0	0.0	0.0	99.2	0.0	100.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	100.0	0.0	50.0	98.4	
Heavy Vehicles	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	1	4	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	100.0	0.0	0.0	50.0	1.6	
Cars Enter Leg	0	0	0	0	0	234	0	2	0	2	0	0	0	2	0	0	1	0	1	239	
Heavy Enter Leg	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	1	4	
Total Entering Leg	0	0	0	0	0	236	0	2	0	2	0	0	0	3	0	1	1	0	2	243	
Cars Exiting Leg	0	0	0	0	0	237	0	0	0	0	0	0	0	2	0	0	0	0	0	239	
Heavy Exiting Leg	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Total Exiting Leg	239							2							0						

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



Cars

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area						
	from North						from South						from Southwest						from West						
	Right	Bear Right	Thru	U-Turn	Total		Thru	Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total	Total	
4:00 PM	0	0	0	0	0		54	2	1	0	57		0	0	0	0	0	0	0	0	1	0	1	58	
4:15 PM	0	0	1	0	1		43	2	0	0	45		0	0	0	0	0	0	0	0	1	0	1	47	
4:30 PM	0	0	0	0	0		57	0	0	0	57		0	0	1	0	0	1	0	0	0	0	0	58	
4:45 PM	0	0	0	0	0		57	0	1	0	58		0	0	1	0	0	1	0	0	1	0	1	60	
Total	0	0	1	0	1		211	4	2	0	217		0	2	2	0	0	2	0	0	3	0	3	223	
5:00 PM	0	0	0	0	0		62	0	1	0	63		0	0	0	0	0	0	0	0	0	0	0	63	
5:15 PM	0	0	0	0	0		58	0	0	0	58		0	0	0	0	0	0	0	0	0	0	0	58	
5:30 PM	0	0	0	0	0		33	0	0	0	33		0	0	0	0	0	0	0	0	0	0	0	33	
5:45 PM	0	0	0	0	0		56	0	1	0	57		0	0	0	0	0	0	0	0	0	0	0	57	
Total	0	0	0	0	0		209	0	2	0	211		0	0	0	0	0	0	0	0	0	0	0	211	
Grand Total	0	0	1	0	1		420	4	4	0	428		0	2	2	0	0	2	0	0	3	0	3	434	
Approach %	0.0	0.0	100.0	0.0	0.2		98.1	0.9	0.9	0.0	98.6		0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	
Total %	0.0	0.0	0.2	0.0	0.2		96.8	0.9	0.9	0.0	98.6		0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.7	0.0	0.7	0.7	
Exiting Leg Total	425						1						4						4						434

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:30 PM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area						
	from North						from South						from Southwest						from West						
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	Hard Right	U-Turn	Total	Thru	Left	Hard Left	Hard Right	U-Turn	Total	Right	Left	U-Turn	Total				
4:30 PM	0	0	0	0	0	57	0	0	0	0	57	0	0	1	0	0	0	0	0	0	0	58			
4:45 PM	0	0	0	0	0	57	0	1	0	0	58	0	1	0	0	0	0	1	0	1	0	60			
5:00 PM	0	0	0	0	0	62	0	1	0	0	63	0	0	0	0	0	0	0	0	0	0	63			
5:15 PM	0	0	0	0	0	58	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	58			
Total Volume	0	0	0	0	0	234	0	2	0	2	236	0	2	2	0	0	1	0	1	0	1	239			
% Approach Total	0.0	0.0	0.0	0.0	0.0	99.2	0.0	0.8	0.0	0.0	99.7	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.948			
PHF	0.000	0.000	0.000	0.000	0.000	0.944	0.000	0.500	0.000	0.000	0.937	0.000	0.500	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.250	0.948			
Entering Leg	0	0	0	0	0	234	0	2	0	0	236	0	2	0	0	0	1	0	1	0	1	239			
Exiting Leg	0	0	0	0	0	99.2	0.0	0.8	0.0	0.0	99.7	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	239			
Total	237						236						4						1						478

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



PRECISION
DATA
INDUSTRIES, LLC

157 Washington Street, Suite 2

Hudson, MA 01749

Office: 508-875-0100 Fax: 508-875-0118

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Faulkner Street							Public Storage Front Lot							Public Storage Parking Area						
	from North							from South							from Southwest						
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	2	0	0	0	2	1	0	0	0	1	0	1	0	0	1	4
Grand Total	0	0	0	0	0	4	0	0	0	4	1	0	0	0	1	0	1	0	0	1	6
Approach %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	66.7	100.0	0.0	0.0	0.0	16.7	0.0	100.0	0.0	0.0	0.0	16.7
Total %	0.0	0.0	0.0	0.0	0.0	66.7	0.0	0.0	0.0	66.7	16.7	0.0	0.0	0.0	16.7	0.0	16.7	0.0	0.0	0.0	16.7
Exiting Leg Total	4					2				0					0						0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	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	0.0	0.0	0.0
Exiting Leg Total	0					0				0					0						0
Single-Unit Trucks	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	1	0	0	1	5
% Single-Unit	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	83.3
Exiting Leg Total	4					1				0					0					0	5
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	16.7
Exiting Leg Total	0					0				1					0					0	1

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Faulkner Street							Public Storage Front Lot							Public Storage Parking Area						
	from North							from South							from Southwest						
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total
4:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
5:00 PM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	1	0	0	1	3
Total Volume	0	0	0	0	0	3	0	0	0	3	1	0	0	0	1	0	1	0	0	1	5
% Approach Total	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	75.0	100.0	0.0	0.0	0.0	25.0	0.0	100.0	0.0	0.0	0.0	20.0
PHF	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.750	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.250	0.417
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buses %	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	0.0	0.0	0.0
Single-Unit Trucks	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	1	0	0	1	4
Single-Unit %	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	80.0
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Single-Unit Trucks	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	1	0	0	1	4
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
Total Entering Leg	0	0	0	0	0	3	0	0	0	3	1	0	0	0	1	0	1	0	0	1	5

PDI File #:

217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



PRECISION
DATA
INDUSTRIES, LLC

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

Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	Faulkner Street					Faulkner Street					Public Storage Front Lot					Public Storage Parking Area				
	from North					from South					from Southwest					from West				
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total
Buses	0									0						0				0
Single-Unit Trucks	3									1						0				0
Articulated Trucks	0									1						0				0
Total Exiting Leg	3									2						0				0
																				5

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



PRECISION
DATA
INDUSTRIES, LLC

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

Buses

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	Total	Total	Total
4:00 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
4:15 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
4:30 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
4:45 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 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
5:30 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
5:45 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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	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	0.0	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
Exiting Leg Total	0						0						0						0					

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Right	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total	Total	Total	Total	Total
4:00 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
4:15 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
4:30 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
4:45 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	0	0	0	0	0	0	0	0	0	0	0
% Approach Total	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	0.0	0.0	0.0	0.0	0.0	0.0
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	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	0						0						0						0					

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



Single-Unit Trucks

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
4:00 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
4:15 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 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
4:45 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2
5:15 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
5:30 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
5:45 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	3
Grand Total	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	1	5
Approach %	0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	20.0	
Total %	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	20.0	
Exiting Leg Total					4						1					0							0	5

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total		Left	Hard Left	U-Turn	Total		Hard Right	Bear Left	Hard Left	U-Turn	Total		Hard Right	Right	Left	U-Turn	Total		Total
4:15 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 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
4:45 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
5:00 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	2
Total Volume	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	4
% Approach Total	0.0	0.0	0.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250		0.500
Entering Leg	0	0	0	0	0		3	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	4
Exiting Leg					3						1					0							0	4
Total					3						4					0							1	8

PDI File #: 217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



Articulated Trucks

	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total				
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4:45 PM	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	0	0	0	0	0	0	0				
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0				
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
5:45 PM	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	1	0	0	0	0	1	0	0	0	0				
Grand Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0				
Approach %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	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	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0				
Exiting Leg Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0				

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	Faulkner Street						Faulkner Street						Public Storage Front Lot						Public Storage Parking Area					
	from North						from South						from Southwest						from West					
	Right	Bear Right	Thru	U-Turn	Total	Thru	Left	Hard Left	U-Turn	Total	Hard Right	Bear Left	Hard Left	U-Turn	Total	Hard Right	Right	Left	U-Turn	Total				
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1			
Total Volume	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1			
% Approach Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250			
Entering Leg	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1			
Exiting Leg	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1			
Total	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2			

PDI File #:

217935 B

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



PRECISION
DATA
INDUSTRIES, LLC

157 Washington Street, Suite 2

Hudson, MA 01749

Office: 508-875-0100 Fax: 508-875-0118

Bicycles (on Roadway and Crosswalks)

	Faulkner Street						Faulkner Street						Public Storage Parking Area					
	from North						from South						from West					
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	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	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approach %	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
Total %	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
Exiting Leg Total	0						0						0					

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Faulkner Street						Faulkner Street						Public Storage Parking Area					
	from North						from South						from West					
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	0	0	0
% Approach Total	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
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exiting Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0						0						0					

Location: N: Faulkner Street S: Faulkner Street

Location: W: Public Storage Parking Area SW: Public Storage Front Lot

City, State: Malden, MA

Client: VHB/ M. Kealey

Site Code: 52739

Count Date: Thursday, May 6, 2021

Start Time: 4:00 PM

End Time: 6:00 PM

Class:



PRECISION
DATA
INDUSTRIES, LLC

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

Pedestrians

	Faulkner Street							Faulkner Street							Public Storage Parking Area													
	from North							from South							from West													
	Right	Thru	U-Turn	CW-EB	CW-WB	Total		Thru	Left	U-Turn	CW-WB	CW-EB	Total		Right	Left	U-Turn	CW-WB	CW-EB	Total	Total							
4:00 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
4:15 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	4	0	4	4	4						
4:30 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	3	3	3	3						
4:45 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1	0	1	1	1						
Total	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	5	3	8	8	8						
5:00 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
5:15 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1	0	1	1	1						
5:30 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
5:45 PM	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	2	1	3	3	3						
Total	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	3	1	4	4	4						
Grand Total	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	8	4	12	12	12						
Approach %	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	66.667	33.333									
Total %	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	66.667	33.333	100								
Exiting Leg Total	0							0							0							12						12

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

	Faulkner Street										Faulkner Street										Public Storage Parking Area									
	from North										from South										from West									
	Right	Thru	U-Turn	CW-EB	CW-WB	Total	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Left	U-Turn	CW-WB	CW-EB	Total												
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4											
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4											
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3											
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1											
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	8											
% Approach Total	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	62.5	37.5												
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.313	0.250	0.500											
Entering Leg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	8											
Exiting Leg	0										0																			
Total	0										0										16									

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**



Cars and Heavy Vehicles (Combined)

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	144	0	144	111	0	0	111	255
7:15 AM	0	0	0	0	0	184	0	184	124	1	0	125	309
7:30 AM	0	0	0	0	0	163	0	163	145	1	0	146	309
7:45 AM	1	1	0	2	0	198	0	198	173	0	0	173	373
Total	1	1	0	2	0	689	0	689	553	2	0	555	1246
8:00 AM	0	0	0	0	0	148	0	148	158	0	0	158	306
8:15 AM	0	0	0	0	0	151	0	151	130	0	0	130	281
8:30 AM	0	0	0	0	1	140	0	141	127	1	0	128	269
8:45 AM	0	0	0	0	0	130	0	130	98	0	0	98	228
Total	0	0	0	0	1	569	0	570	513	1	0	514	1084
Grand Total	1	1	0	2	1	1258	0	1259	1066	3	0	1069	2330
Approach %	50.0	50.0	0.0		0.1	99.9	0.0		99.7	0.3	0.0		
Total %	0.0	0.0	0.0	0.1	0.0	54.0	0.0	54.0	45.8	0.1	0.0	45.9	
Exiting Leg Total	4				1067				1259				2330
Cars	1	1	0	2	1	1216	0	1217	993	2	0	995	2214
% Cars	100.0	100.0	0.0	100.0	100.0	96.7	0.0	96.7	93.2	66.7	0.0	93.1	95.0
Exiting Leg Total	3				994				1217				2214
Heavy Vehicles	0	0	0	0	0	42	0	42	73	1	0	74	116
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	6.8	33.3	0.0	6.9	5.0
Exiting Leg Total	1				73				42				116

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:15 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	184	0	184	124	1	0	125	309
7:30 AM	0	0	0	0	0	163	0	163	145	1	0	146	309
7:45 AM	1	1	0	2	0	198	0	198	173	0	0	173	373
8:00 AM	0	0	0	0	0	148	0	148	158	0	0	158	306
Total Volume	1	1	0	2	0	693	0	693	600	2	0	602	1297
% Approach Total	50.0	50.0	0.0		0.0	100.0	0.0		99.7	0.3	0.0		
PHF	0.250	0.250	0.000	0.250	0.000	0.875	0.000	0.875	0.867	0.500	0.000	0.870	0.869
Cars	1	1	0	2	0	671	0	671	562	1	0	563	1236
Cars %	100.0	100.0	0.0	100.0	0.0	96.8	0.0	96.8	93.7	50.0	0.0	93.5	95.3
Heavy Vehicles	0	0	0	0	0	22	0	22	38	1	0	39	61
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	6.3	50.0	0.0	6.5	4.7
Cars Enter Leg	1	1	0	2	0	671	0	671	562	1	0	563	1236
Heavy Enter Leg	0	0	0	0	0	22	0	22	38	1	0	39	61
Total Entering Leg	1	1	0	2	0	693	0	693	600	2	0	602	1297
Cars Exiting Leg				1				563				672	1236
Heavy Exiting Leg				1				38				22	61
Total Exiting Leg				2				601				694	1297

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Cars

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	140	0	140	104	0	0	104	244
7:15 AM	0	0	0	0	0	180	0	180	117	1	0	118	298
7:30 AM	0	0	0	0	0	159	0	159	132	0	0	132	291
7:45 AM	1	1	0	2	0	190	0	190	165	0	0	165	357
Total	1	1	0	2	0	669	0	669	518	1	0	519	1190
8:00 AM	0	0	0	0	0	142	0	142	148	0	0	148	290
8:15 AM	0	0	0	0	0	147	0	147	117	0	0	117	264
8:30 AM	0	0	0	0	1	132	0	133	116	1	0	117	250
8:45 AM	0	0	0	0	0	126	0	126	94	0	0	94	220
Total	0	0	0	0	1	547	0	548	475	1	0	476	1024
Grand Total	1	1	0	2	1	1216	0	1217	993	2	0	995	2214
Approach %	50.0	50.0	0.0		0.1	99.9	0.0		99.8	0.2	0.0		
Total %	0.0	0.0	0.0	0.1	0.0	54.9	0.0	55.0	44.9	0.1	0.0	44.9	
Exiting Leg Total	3				994				1217				2214

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:15 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	180	0	180	117	1	0	118	298
7:30 AM	0	0	0	0	0	159	0	159	132	0	0	132	291
7:45 AM	1	1	0	2	0	190	0	190	165	0	0	165	357
8:00 AM	0	0	0	0	0	142	0	142	148	0	0	148	290
Total Volume	1	1	0	2	0	671	0	671	562	1	0	563	1236
% Approach Total	50.0	50.0	0.0		0.0	100.0	0.0		99.8	0.2	0.0		
PHF	0.250	0.250	0.000	0.250	0.000	0.883	0.000	0.883	0.852	0.250	0.000	0.853	0.866
Entering Leg	1	1	0	2	0	671	0	671	562	1	0	563	1236
Exiting Leg				1				563				672	1236
Total				3				1234				1235	2472

PDI File #: **217935 C**

Location: **N: #650 Public Storage Driveway**

Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**

City, State: **Malden, MA**

Client: **VHB/ M. Kealey**

Site Code: **52739**

Count Date: **Thursday, May 6, 2021**

Start Time: **7:00 AM**

End Time: **9:00 AM**

Class:



Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	4	0	4	7	0	0	7	11
7:15 AM	0	0	0	0	0	4	0	4	7	0	0	7	11
7:30 AM	0	0	0	0	0	4	0	4	13	1	0	14	18
7:45 AM	0	0	0	0	0	8	0	8	8	0	0	8	16
Total	0	0	0	0	0	20	0	20	35	1	0	36	56
8:00 AM	0	0	0	0	0	6	0	6	10	0	0	10	16
8:15 AM	0	0	0	0	0	4	0	4	13	0	0	13	17
8:30 AM	0	0	0	0	0	8	0	8	11	0	0	11	19
8:45 AM	0	0	0	0	0	4	0	4	4	0	0	4	8
Total	0	0	0	0	0	22	0	22	38	0	0	38	60
Grand Total	0	0	0	0	0	42	0	42	73	1	0	74	116
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		98.6	1.4	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	36.2	0.0	36.2	62.9	0.9	0.0	63.8	
Exiting Leg Total	1				73				42				116
Buses	0	0	0	0	0	9	0	9	21	0	0	21	30
% Buses	0.0	0.0	0.0	0.0	0.0	21.4	0.0	21.4	28.8	0.0	0.0	28.4	25.9
Exiting Leg Total	0				21				9				30
Single-Unit Trucks	0	0	0	0	0	24	0	24	43	1	0	44	68
% Single-Unit	0.0	0.0	0.0	0.0	0.0	57.1	0.0	57.1	58.9	100.0	0.0	59.5	58.6
Exiting Leg Total	1				43				24				68
Articulated Trucks	0	0	0	0	0	9	0	9	9	0	0	9	18
% Articulated	0.0	0.0	0.0	0.0	0.0	21.4	0.0	21.4	12.3	0.0	0.0	12.2	15.5
Exiting Leg Total	0				9				9				18

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:45 AM	0	0	0	0	0	8	0	8	8	0	0	8	16
8:00 AM	0	0	0	0	0	6	0	6	10	0	0	10	16
8:15 AM	0	0	0	0	0	4	0	4	13	0	0	13	17
8:30 AM	0	0	0	0	0	8	0	8	11	0	0	11	19
Total Volume	0	0	0	0	0	26	0	26	42	0	0	42	68
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.813	0.000	0.813	0.808	0.000	0.000	0.808	0.895
Buses	0	0	0	0	0	5	0	5	15	0	0	15	20
Buses %	0.0	0.0	0.0	0.0	0.0	19.2	0.0	19.2	35.7	0.0	0.0	35.7	29.4
Single-Unit Trucks	0	0	0	0	0	17	0	17	19	0	0	19	36
Single-Unit %	0.0	0.0	0.0	0.0	0.0	65.4	0.0	65.4	45.2	0.0	0.0	45.2	52.9
Articulated Trucks	0	0	0	0	0	4	0	4	8	0	0	8	12
Articulated %	0.0	0.0	0.0	0.0	0.0	15.4	0.0	15.4	19.0	0.0	0.0	19.0	17.6
Buses	0	0	0	0	0	5	0	5	15	0	0	15	20
Single-Unit Trucks	0	0	0	0	0	17	0	17	19	0	0	19	36
Articulated Trucks	0	0	0	0	0	4	0	4	8	0	0	8	12
Total Entering Leg	0	0	0	0	0	26	0	26	42	0	0	42	68
Buses				0				15				5	20
Single-Unit Trucks				0				19				17	36
Articulated Trucks				0				8				4	12
Total Exiting Leg				0				42				26	68

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Buses

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	2	0	2	3	0	0	3	5
7:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 AM	0	0	0	0	0	2	0	2	2	0	0	2	4
7:45 AM	0	0	0	0	0	2	0	2	4	0	0	4	6
Total	0	0	0	0	0	6	0	6	10	0	0	10	16
8:00 AM	0	0	0	0	0	1	0	1	6	0	0	6	7
8:15 AM	0	0	0	0	0	1	0	1	3	0	0	3	4
8:30 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	3	0	3	11	0	0	11	14
Grand Total	0	0	0	0	0	9	0	9	21	0	0	21	30
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	30.0	0.0	30.0	70.0	0.0	0.0	70.0	
Exiting Leg Total	0				21				9				30

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:30 AM	0	0	0	0	0	2	0	2	2	0	0	2	4
7:45 AM	0	0	0	0	0	2	0	2	4	0	0	4	6
8:00 AM	0	0	0	0	0	1	0	1	6	0	0	6	7
8:15 AM	0	0	0	0	0	1	0	1	3	0	0	3	4
Total Volume	0	0	0	0	0	6	0	6	15	0	0	15	21
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.750	0.625	0.000	0.000	0.625	0.750
Entering Leg	0	0	0	0	0	6	0	6	15	0	0	15	21
Exiting Leg				0				15				6	21
Total				0				21				21	42

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Single-Unit Trucks

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	0	0	3	0	0	3	3
7:15 AM	0	0	0	0	0	2	0	2	6	0	0	6	8
7:30 AM	0	0	0	0	0	2	0	2	11	1	0	12	14
7:45 AM	0	0	0	0	0	5	0	5	2	0	0	2	7
Total	0	0	0	0	0	9	0	9	22	1	0	23	32
8:00 AM	0	0	0	0	0	5	0	5	2	0	0	2	7
8:15 AM	0	0	0	0	0	3	0	3	7	0	0	7	10
8:30 AM	0	0	0	0	0	4	0	4	8	0	0	8	12
8:45 AM	0	0	0	0	0	3	0	3	4	0	0	4	7
Total	0	0	0	0	0	15	0	15	21	0	0	21	36
Grand Total	0	0	0	0	0	24	0	24	43	1	0	44	68
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		97.7	2.3	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	35.3	0.0	35.3	63.2	1.5	0.0	64.7	
Exiting Leg Total	1				43				24				68

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:30 AM	0	0	0	0	0	2	0	2	11	1	0	12	14
7:45 AM	0	0	0	0	0	5	0	5	2	0	0	2	7
8:00 AM	0	0	0	0	0	5	0	5	2	0	0	2	7
8:15 AM	0	0	0	0	0	3	0	3	7	0	0	7	10
Total Volume	0	0	0	0	0	15	0	15	22	1	0	23	38
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		95.7	4.3	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.750	0.500	0.250	0.000	0.479	0.679
Entering Leg	0	0	0	0	0	15	0	15	22	1	0	23	38
Exiting Leg				1				22				15	38
Total				1				37				38	76

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Articulated Trucks

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	2	0	2	1	0	0	1	3
7:15 AM	0	0	0	0	0	2	0	2	0	0	0	0	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
Total	0	0	0	0	0	5	0	5	3	0	0	3	8
8:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	2
8:15 AM	0	0	0	0	0	0	0	0	3	0	0	3	3
8:30 AM	0	0	0	0	0	3	0	3	1	0	0	1	4
8:45 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	4	0	4	6	0	0	6	10
Grand Total	0	0	0	0	0	9	0	9	9	0	0	9	18
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	50.0	0.0	50.0	50.0	0.0	0.0	50.0	
Exiting Leg Total	0				9				9				18

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:45 AM	0	0	0	0	0	1	0	1	2	0	0	2	3
8:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	2
8:15 AM	0	0	0	0	0	0	0	0	3	0	0	3	3
8:30 AM	0	0	0	0	0	3	0	3	1	0	0	1	4
Total Volume	0	0	0	0	0	4	0	4	8	0	0	8	12
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.333	0.000	0.333	0.667	0.000	0.000	0.667	0.750
Entering Leg	0	0	0	0	0	4	0	4	8	0	0	8	12
Exiting Leg				0				8				4	12
Total				0				12				12	24

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Bicycles (on Roadway and Crosswalks)

	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	2
7:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0	1	3
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	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	0	0	0	0	0	0
Grand Total	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0	1	3
Approach %	0.0	0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0	0.0		0.0	0.0	0.0	100.0	0.0		
Total %	0.0	0.0	0.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0	33.3	0.0	33.3	
Exiting Leg Total	1						0						2						3

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	2
7:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0	1	3
% Approach Total	0.0	0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0	0.0		0.0	0.0	0.0	100.0	0.0		
PHF	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.250	0.000	0.250	0.375
Entering Leg	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	0	1	3
Exiting Leg	1						0						2						3
Total	2						1						3						6

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **7:00 AM**
 End Time: **9:00 AM**
 Class:



Pedestrians

	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:00 AM	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	5	0	5	6
7:15 AM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
7:30 AM	0	0	0	1	2	3	0	0	0	0	2	2	0	0	0	4	1	5	10
7:45 AM	0	0	0	2	0	2	0	0	0	0	5	5	0	0	0	13	1	14	21
Total	0	0	0	3	3	6	0	0	0	0	8	8	0	0	0	22	3	25	39
8:00 AM	0	0	0	0	10	10	0	0	0	0	11	11	0	0	0	10	3	13	34
8:15 AM	0	0	0	3	0	3	0	0	0	2	1	3	0	0	0	8	6	14	20
8:30 AM	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	2	1	3	5
8:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2	3
Total	0	0	0	5	11	16	0	0	0	2	12	14	0	0	0	21	11	32	62
Grand Total	0	0	0	8	14	22	0	0	0	2	20	22	0	0	0	43	14	57	101
Approach %	0	0	0	36.364	63.636		0	0	0	9.0909	90.909		0	0	0	75.439	24.561		
Total %	0	0	0	7.9208	13.861	21.782	0	0	0	1.9802	19.802	21.782	0	0	0	42.574	13.861	56.436	
Exiting Leg Total	22						22						57						101

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:30 AM	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
7:30 AM	0	0	0	1	2	3	0	0	0	0	2	2	0	0	0	4	1	5	10
7:45 AM	0	0	0	2	0	2	0	0	0	0	5	5	0	0	0	13	1	14	21
8:00 AM	0	0	0	0	10	10	0	0	0	0	11	11	0	0	0	10	3	13	34
8:15 AM	0	0	0	3	0	3	0	0	0	2	1	3	0	0	0	8	6	14	20
Total Volume	0	0	0	6	12	18	0	0	0	2	19	21	0	0	0	35	11	46	85
% Approach Total	0.0	0.0	0.0	33.3	66.7		0.0	0.0	0.0	9.5	90.5		0.0	0.0	0.0	76.1	23.9		
PHF	0.000	0.000	0.000	0.500	0.300	0.450	0.000	0.000	0.000	0.250	0.432	0.477	0.000	0.000	0.000	0.673	0.458	0.821	0.625
Entering Leg	0	0	0	6	12	18	0	0	0	2	19	21	0	0	0	35	11	46	85
Exiting Leg	18						21						46						85
Total	36						42						92						170

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	0	0	2	1	136	1	138	192	1	0	193	333
4:15 PM	0	0	0	0	0	150	0	150	187	0	0	187	337
4:30 PM	3	0	0	3	0	141	0	141	199	0	0	199	343
4:45 PM	0	0	0	0	1	168	0	169	197	0	0	197	366
Total	5	0	0	5	2	595	1	598	775	1	0	776	1379
5:00 PM	0	0	0	0	0	150	0	150	200	0	0	200	350
5:15 PM	0	1	0	1	0	126	0	126	222	1	0	223	350
5:30 PM	0	0	0	0	1	115	0	116	176	0	0	176	292
5:45 PM	0	0	0	0	0	126	0	126	187	1	0	188	314
Total	0	1	0	1	1	517	0	518	785	2	0	787	1306
Grand Total	5	1	0	6	3	1112	1	1116	1560	3	0	1563	2685
Approach %	83.3	16.7	0.0		0.3	99.6	0.1		99.8	0.2	0.0		
Total %	0.2	0.0	0.0	0.2	0.1	41.4	0.0	41.6	58.1	0.1	0.0	58.2	
Exiting Leg Total	6				1562				1117				2685
Cars	5	1	0	6	3	1095	1	1099	1529	3	0	1532	2637
% Cars	100.0	100.0	0.0	100.0	100.0	98.5	100.0	98.5	98.0	100.0	0.0	98.0	98.2
Exiting Leg Total	6				1531				1100				2637
Heavy Vehicles	0	0	0	0	0	17	0	17	31	0	0	31	48
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	2.0	0.0	0.0	2.0	1.8
Exiting Leg Total	0				31				17				48

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:30 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:30 PM	3	0	0	3	0	141	0	141	199	0	0	199	343
4:45 PM	0	0	0	0	1	168	0	169	197	0	0	197	366
5:00 PM	0	0	0	0	0	150	0	150	200	0	0	200	350
5:15 PM	0	1	0	1	0	126	0	126	222	1	0	223	350
Total Volume	3	1	0	4	1	585	0	586	818	1	0	819	1409
% Approach Total	75.0	25.0	0.0		0.2	99.8	0.0		99.9	0.1	0.0		
PHF	0.250	0.250	0.000	0.333	0.250	0.871	0.000	0.867	0.921	0.250	0.000	0.918	0.962
Cars	3	1	0	4	1	575	0	576	804	1	0	805	1385
Cars %	100.0	100.0	0.0	100.0	100.0	98.3	0.0	98.3	98.3	100.0	0.0	98.3	98.3
Heavy Vehicles	0	0	0	0	0	10	0	10	14	0	0	14	24
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7	0.0	0.0	1.7	1.7
Cars Enter Leg	3	1	0	4	1	575	0	576	804	1	0	805	1385
Heavy Enter Leg	0	0	0	0	0	10	0	10	14	0	0	14	24
Total Entering Leg	3	1	0	4	1	585	0	586	818	1	0	819	1409
Cars Exiting Leg	2				805				578				1385
Heavy Exiting Leg	0				14				10				24
Total Exiting Leg	2				819				588				1409

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Cars

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	2	0	0	2	1	135	1	137	191	1	0	192	331
4:15 PM	0	0	0	0	0	146	0	146	179	0	0	179	325
4:30 PM	3	0	0	3	0	139	0	139	195	0	0	195	337
4:45 PM	0	0	0	0	1	162	0	163	190	0	0	190	353
Total	5	0	0	5	2	582	1	585	755	1	0	756	1346
5:00 PM	0	0	0	0	0	148	0	148	199	0	0	199	347
5:15 PM	0	1	0	1	0	126	0	126	220	1	0	221	348
5:30 PM	0	0	0	0	1	115	0	116	172	0	0	172	288
5:45 PM	0	0	0	0	0	124	0	124	183	1	0	184	308
Total	0	1	0	1	1	513	0	514	774	2	0	776	1291
Grand Total	5	1	0	6	3	1095	1	1099	1529	3	0	1532	2637
Approach %	83.3	16.7	0.0		0.3	99.6	0.1		99.8	0.2	0.0		
Total %	0.2	0.0	0.0	0.2	0.1	41.5	0.0	41.7	58.0	0.1	0.0	58.1	
Exiting Leg Total	6				1531				1100				2637

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:30 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:30 PM	3	0	0	3	0	139	0	139	195	0	0	195	337
4:45 PM	0	0	0	0	1	162	0	163	190	0	0	190	353
5:00 PM	0	0	0	0	0	148	0	148	199	0	0	199	347
5:15 PM	0	1	0	1	0	126	0	126	220	1	0	221	348
Total Volume	3	1	0	4	1	575	0	576	804	1	0	805	1385
% Approach Total	75.0	25.0	0.0		0.2	99.8	0.0		99.9	0.1	0.0		
PHF	0.250	0.250	0.000	0.333	0.250	0.887	0.000	0.883	0.914	0.250	0.000	0.911	0.981
Entering Leg	3	1	0	4	1	575	0	576	804	1	0	805	1385
Exiting Leg				2				805				578	1385
Total				6				1381				1383	2770

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Heavy Vehicles-Combined (Buses, Single-Unit Trucks, Articulated Trucks)

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
4:15 PM	0	0	0	0	0	4	0	4	8	0	0	8	12
4:30 PM	0	0	0	0	0	2	0	2	4	0	0	4	6
4:45 PM	0	0	0	0	0	6	0	6	7	0	0	7	13
Total	0	0	0	0	0	13	0	13	20	0	0	20	33
5:00 PM	0	0	0	0	0	2	0	2	1	0	0	1	3
5:15 PM	0	0	0	0	0	0	0	0	2	0	0	2	2
5:30 PM	0	0	0	0	0	0	0	0	4	0	0	4	4
5:45 PM	0	0	0	0	0	2	0	2	4	0	0	4	6
Total	0	0	0	0	0	4	0	4	11	0	0	11	15
Grand Total	0	0	0	0	0	17	0	17	31	0	0	31	48
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	35.4	0.0	35.4	64.6	0.0	0.0	64.6	
Exiting Leg Total	0				31				17				48
Buses	0	0	0	0	0	1	0	1	3	0	0	3	4
% Buses	0.0	0.0	0.0	0.0	0.0	5.9	0.0	5.9	9.7	0.0	0.0	9.7	8.3
Exiting Leg Total	0				3				1				4
Single-Unit Trucks	0	0	0	0	0	13	0	13	21	0	0	21	34
% Single-Unit	0.0	0.0	0.0	0.0	0.0	76.5	0.0	76.5	67.7	0.0	0.0	67.7	70.8
Exiting Leg Total	0				21				13				34
Articulated Trucks	0	0	0	0	0	3	0	3	7	0	0	7	10
% Articulated	0.0	0.0	0.0	0.0	0.0	17.6	0.0	17.6	22.6	0.0	0.0	22.6	20.8
Exiting Leg Total	0				7				3				10

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:15 PM	0	0	0	0	0	4	0	4	8	0	0	8	12
4:30 PM	0	0	0	0	0	2	0	2	4	0	0	4	6
4:45 PM	0	0	0	0	0	6	0	6	7	0	0	7	13
5:00 PM	0	0	0	0	0	2	0	2	1	0	0	1	3
Total Volume	0	0	0	0	0	14	0	14	20	0	0	20	34
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.583	0.000	0.583	0.625	0.000	0.000	0.625	0.654
Buses	0	0	0	0	0	0	0	0	1	0	0	1	1
Buses %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	2.9
Single-Unit Trucks	0	0	0	0	0	12	0	12	14	0	0	14	26
Single-Unit %	0.0	0.0	0.0	0.0	0.0	85.7	0.0	85.7	70.0	0.0	0.0	70.0	76.5
Articulated Trucks	0	0	0	0	0	2	0	2	5	0	0	5	7
Articulated %	0.0	0.0	0.0	0.0	0.0	14.3	0.0	14.3	25.0	0.0	0.0	25.0	20.6
Buses	0	0	0	0	0	0	0	0	1	0	0	1	1
Single-Unit Trucks	0	0	0	0	0	12	0	12	14	0	0	14	26
Articulated Trucks	0	0	0	0	0	2	0	2	5	0	0	5	7
Total Entering Leg	0	0	0	0	0	14	0	14	20	0	0	20	34
Buses				0				1				0	1
Single-Unit Trucks				0				14				12	26
Articulated Trucks				0				5				2	7
Total Exiting Leg				0				20				14	34

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Buses

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	1	0	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	1	1	0	0	1
Total	0	0	0	0	0	1	0	1	1	2	0	0	2
Grand Total	0	0	0	0	0	1	0	1	1	3	0	0	3
Approach %	0.0	0.0	0.0		0.0	100.0	0.0			100.0	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0		75.0	0.0	0.0	75.0
Exiting Leg Total	0				3				1				4

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
Total Volume	0	0	0	0	0	1	0	1	2	0	0	2	3
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.500	0.000	0.000	0.500	0.375
Entering Leg	0	0	0	0	0	1	0	1	2	0	0	2	3
Exiting Leg				0				2				1	3
Total				0				3				3	6

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Single-Unit Trucks

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
4:15 PM	0	0	0	0	0	3	0	3	6	0	0	6	9
4:30 PM	0	0	0	0	0	2	0	2	3	0	0	3	5
4:45 PM	0	0	0	0	0	5	0	5	5	0	0	5	10
Total	0	0	0	0	0	11	0	11	15	0	0	15	26
5:00 PM	0	0	0	0	0	2	0	2	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
5:30 PM	0	0	0	0	0	0	0	0	2	0	0	2	2
5:45 PM	0	0	0	0	0	0	0	0	3	0	0	3	3
Total	0	0	0	0	0	2	0	2	6	0	0	6	8
Grand Total	0	0	0	0	0	13	0	13	21	0	0	21	34
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	38.2	0.0	38.2	61.8	0.0	0.0	61.8	
Exiting Leg Total	0				21				13				34

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
4:15 PM	0	0	0	0	0	3	0	3	6	0	0	6	9
4:30 PM	0	0	0	0	0	2	0	2	3	0	0	3	5
4:45 PM	0	0	0	0	0	5	0	5	5	0	0	5	10
Total Volume	0	0	0	0	0	11	0	11	15	0	0	15	26
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.550	0.000	0.550	0.625	0.000	0.000	0.625	0.650
Entering Leg	0	0	0	0	0	11	0	11	15	0	0	15	26
Exiting Leg				0				15				11	26
Total				0				26				26	52

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Articulated Trucks

	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
4:30 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	1	0	1	2	0	0	2	3
Total	0	0	0	0	0	2	0	2	4	0	0	4	6
5:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	2	0	0	2	2
5:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	1
Total	0	0	0	0	0	1	0	1	3	0	0	3	4
Grand Total	0	0	0	0	0	3	0	3	7	0	0	7	10
Approach %	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	30.0	0.0	30.0	70.0	0.0	0.0	70.0	
Exiting Leg Total	0				7				3				10

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:15 PM	#650 Public Storage Driveway				Eastern Avenue (Route 60)				Eastern Avenue (Route 60)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:15 PM	0	0	0	0	0	1	0	1	1	0	0	1	2
4:30 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	1	0	1	2	0	0	2	3
5:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
Total Volume	0	0	0	0	0	2	0	2	5	0	0	5	7
% Approach Total	0.0	0.0	0.0		0.0	100.0	0.0		100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.625	0.000	0.000	0.625	0.583
Entering Leg	0	0	0	0	0	2	0	2	5	0	0	5	7
Exiting Leg				0				5				2	7
Total				0				7				7	14

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**



Bicycles (on Roadway and Crosswalks)

	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	3
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	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	0	0	2	1	3	3
5:00 PM	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	2	3
5:45 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Total	0	0	0	1	1	2	0	2	0	0	0	2	2	0	0	0	1	3	7
Grand Total	0	0	0	1	1	2	0	2	0	0	0	2	2	0	0	2	2	6	10
Approach %	0.0	0.0	0.0	50.0	50.0		0.0	100.0	0.0	0.0	0.0		33.3	0.0	0.0	33.3	33.3		
Total %	0.0	0.0	0.0	10.0	10.0	20.0	0.0	20.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	20.0	20.0	60.0	
Exiting Leg Total	2						2						6						10

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:00 PM	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	2
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
5:30 PM	0	0	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	3
5:45 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Total Volume	0	0	0	1	1	2	0	2	0	0	0	2	2	0	0	0	1	3	7
% Approach Total	0.0	0.0	0.0	50.0	50.0		0.0	100.0	0.0	0.0	0.0		66.7	0.0	0.0	0.0	33.3		
PHF	0.000	0.000	0.000	0.250	0.250	0.500	0.000	0.500	0.000	0.000	0.000	0.500	0.250	0.000	0.000	0.000	0.250	0.375	0.583
Entering Leg	0	0	0	1	1	2	0	2	0	0	0	2	2	0	0	0	1	3	7
Exiting Leg	2						2						3						7
Total	4						4						6						14

PDI File #: **217935 C**
 Location: **N: #650 Public Storage Driveway**
 Location: **E: Eastern Avenue (Route 60) W: Eastern Avenue (Route 60)**
 City, State: **Malden, MA**
 Client: **VHB/ M. Kealey**
 Site Code: **52739**
 Count Date: **Thursday, May 6, 2021**
 Start Time: **4:00 PM**
 End Time: **6:00 PM**
 Class:



Pedestrians

	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total	
	from North						from East						from West							
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
4:00 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	8	2	10	11
4:15 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	3
4:30 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	11	11	12	
4:45 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	3	4	
Total	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	9	17	26	30	
5:00 PM	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	5	0	5	9	
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	
5:30 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	6	8	14	15	
5:45 PM	0	0	0	1	3	4	0	0	0	0	0	0	0	0	0	2	0	2	6	
Total	0	0	0	1	8	9	0	0	0	0	0	0	0	0	0	13	11	24	33	
Grand Total	0	0	0	1	12	13	0	0	0	0	0	0	0	0	0	22	28	50	63	
Approach %	0	0	0	7.6923	92.308		0	0	0	0	0	0	0	0	0	44	56			
Total %	0	0	0	1.5873	19.048	20.635	0	0	0	0	0	0	0	0	0	34.921	44.444	79.365		
Exiting Leg Total	13						0						50						63	

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

5:00 PM	#650 Public Storage Driveway						Eastern Avenue (Route 60)						Eastern Avenue (Route 60)						Total
	from North						from East						from West						
	Right	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	U-Turn	CW-SB	CW-NB	Total	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
5:00 PM	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	5	0	5	9
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3
5:30 PM	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	6	8	14	15
5:45 PM	0	0	0	1	3	4	0	0	0	0	0	0	0	0	0	2	0	2	6
Total Volume	0	0	0	1	8	9	0	0	0	0	0	0	0	0	0	13	11	24	33
% Approach Total	0.0	0.0	0.0	11.1	88.9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	45.8		
PHF	0.000	0.000	0.000	0.250	0.500	0.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.542	0.344	0.429	0.550
Entering Leg	0	0	0	1	8	9	0	0	0	0	0	0	0	0	0	13	11	24	33
Exiting Leg	9						0						24						33
Total	18						0						48						66

Customer Visits - CubeSmart

171 Bear Hill Road, Waltham, MA

111,921 Square Feet

Total Number of Customers per Month (Broken Down by Day)													
Day	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
Sunday	20	46	67	71	144	95	70	114	76	108	53	76	940
Monday	8	40	74	71	113	76	61	64	72	53	53	75	760
Tuesday	17	36	85	69	95	117	56	68	94	55	41	79	812
Wednesday	23	40	50	94	83	97	59	69	87	53	59	67	781
Thursday	16	44	60	94	74	85	93	46	56	51	65	66	750
Friday	11	42	57	97	122	75	80	60	61	67	51	64	787
Saturday	29	58	68	91	168	98	118	89	70	124	60	90	1063
Total	124	306	461	587	799	643	537	510	516	511	382	517	5,893

Average Number of Customers per Day													
Day	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	Total
Sunday	5.0	9.2	16.8	17.8	28.8	23.8	17.5	22.8	19.0	21.6	13.3	19.0	18.1
Monday	2.0	10.0	14.8	17.8	22.6	19.0	15.3	12.8	18.0	13.3	13.3	15.0	14.6
Tuesday	4.3	9.0	17.0	17.3	23.8	23.4	14.0	17.0	18.8	13.8	10.3	15.8	15.6
Wednesday	4.6	10.0	12.5	18.8	20.8	19.4	14.8	17.3	17.4	13.3	14.8	13.4	14.7
Thursday	3.2	11.0	15.0	18.8	18.5	21.3	18.6	11.5	11.2	12.8	16.3	16.5	14.4
Friday	2.8	8.4	14.3	19.4	30.5	18.8	16.0	15.0	15.3	13.4	12.8	16.0	15.1
Saturday	7.3	11.6	17.0	22.8	33.6	24.5	23.6	22.3	17.5	24.8	15.0	22.5	20.4
Total (Per Day)	4.1	9.9	15.4	18.9	25.8	21.4	17.3	17.0	16.6	16.5	13.6	16.7	16.1



Memorandum

- **Parking Data**

Parking Occupancy Counts (5/6/21)			
	<u>Storage Facility #490</u>	<u>Storage Facility #650</u>	<u>Proposed Facility</u>
7:00 AM	1	0	
7:15 AM	3	0	
7:30 AM	2	1	
7:45 AM	2	2	
8:00 AM	2	0	
8:15 AM	2	0	
8:30 AM	5	0	
8:45 AM	5	2	
9:00 AM	4	2	
MAX	5	2	
4:00 PM	5	4	
4:15 PM	7	4	
4:30 PM	8	4	
4:45 PM	7	1	
5:00 PM	6	2	
5:15 PM	1	2	
5:30 PM	1	2	
5:45 PM	1	3	
6:00 PM	2	4	
MAX	8	4	15

Area	125,388	99,440	89,690
Rate	0.064	0.040	0.167

TRAFFIC GROWTH CALCULATIONS

Project Name: Pembroke
Project No: 15831.00

Location: Pembroke
Date: 1/7/2023

Calc. By: GC
Chkd. By: PTD

Rate of Growth = 0.01
Years of Growth = 7

		xx = balanced			xx = balanced			xx = balanced								
INTERSECTION	MOVEMENT	2022 EXISTING VOLUMES - BALANCED			7-YEAR GROWTH			2029 NO BUILD VOLUMES			SITE-GENERATED VOLUMES			2029 BUILD VOLUMES		
		AM	PM	SAT	AM	PM	SAT	AM	PM	SAT	AM	PM	SAT	AM	PM	SAT
1. Lowes Driveway at Old Church Street Old Church Street	EB L															
	EB T	11	42	33	12	45	35	12	45	36	2	2	4	14	47	40
	WB T	19	22	28	20	24	30	20	24	30	2	2	3	22	26	33
	WB R	77	81	172	83	87	184	83	87	184				83	87	184
	SB L	35	38	77	38	41	83	38	41	83				38	41	83
	SB R	2	4	6	2	4	6	2	4	6				2	4	6
2. Panera Bread Driveway at Old Church Street Old Church Street	EB L										1	1	2	1	1	2
	EB T	2	9	12	2	10	13	2	10	14	1	1	1	3	11	15
	EB R	44	71	98	47	76	105	48	76	105				48	76	105
	WB L	1	3	7	1	3	8	1	3	8	2	4	4	4	7	12
	WB T	1	8	7	1	9	8	1	9	8	1	1	1	2	10	9
	WB R															
	NB L	95	95	193	102	102	207	102	102	206				102	102	206
	NB T										1	2	3	1	2	3
	NB R	4	3	3	4	3	3	4	3	3	2	4	5	7	7	8
	SB L															
	SB T										1	2	2	1	2	2
	SB R										1	1	2	1	1	2
3. Church Street at center driveway Old Church Street	EB L										1	2	3	1	2	3
	EB T	6	12	15	6	13	16	7	13	16	2	3	4	9	16	20
	WB T	2	11	14	2	12	15	3	12	16	2	3	3	5	15	19
	WB R															
	SB L															
	SB R										1	2	2	1	2	2
4. Church Street at easterly driveway Old Church Street	EB L										2	3	4	2	3	4
	EB T	6	12	15	6	13	16	7	13	16				7	13	16
	WB T	2	11	14	2	12	15	3	12	16				3	12	16
	WB R															
	SB L															
	SB R										2	3	3	2	3	3

TRAFFIC GROWTH CALCULATIONS

Project Name: Pembroke
Project No: 15831.00

Location: Pembroke
Date: 1/7/2023

Calc. By: GC
Chkd. By: PTD

2.0

INTERSECTION	MOVEMENT	NEW TRIPS		AM PEAK HOUR TRIPS			PM PEAK HOUR TRIPS			SAT MID PEAK HOUR TRIPS											
		ENTER	EXIT	ENTER	EXIT	TOTAL	ENTER	EXIT	TOTAL	ENTER	EXIT	TOTAL									
1. Lowes Driveway at Old Church Street Old Church Street Old Church Street Lowes Driveway	EB L	30%	30%	2	2	2	2	2	2	4.0	3.0	4.0									
	EB T																				
	WB T																				
	WB R																				
	SB L																				
	SB R																				
2. Panera Bread Driveway at Old Church Street Old Church Street Old Church Street Panera Driveway Site driveway	EB L	18%		1		1	1		1	2.0		2.0									
	EB T	12%		1		1	1		1	1.0		1.0									
	EB R																				
	WB L		49%		2	2		4	4		4.0	4.0									
	WB T		12%		1	1		1	1		1.0	1.0									
	WB R																				
	NB L																				
	NB T	21%		1		1	2		2	3.0		3.0									
	NB R	49%		2		2	4		4	5.0		5.0									
	SB L																				
	SB T													21%	1	1		2	2	2.0	2.0
	SB R													18%	1	1		1	1		2.0
3. Church Street at center driveway Old Church Street Old Church Street center driveway	EB L	21%		1		1	2		2	3.0		3.0									
	EB T	40%		2		2	3		3	4.0		4.0									
	WB T				2	2		3	3		3.0	3.0									
	WB R		40%																		
	SB L																				
	SB R																				
4. Church Street at easterly driveway Old Church Street Old Church Street easterly driveway	EB L	40%		2		2	3		3	4.0		4.0									
	EB T																				
	WB T																				
	WB R																				
	SB L																				
	SB R																				
		TRIP GEN		5	5	10	8	8	16	12	9	21									
		CHECK		5	5	10	8	8	16	12	9	21									
				OK	OK	OK	OK	OK	OK	OK	OK	OK									



Memorandum

- **Capacity Analysis Worksheets**

Intersection						
Int Delay, s/veh	2.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	11	19	77	35	2
Future Vol, veh/h	0	11	19	77	35	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	55	55	77	77	66	66
Heavy Vehicles, %	0	0	4	4	3	3
Mvmt Flow	0	20	25	100	53	3
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	125	0	-	0	95	75
Stage 1	-	-	-	-	75	-
Stage 2	-	-	-	-	20	-
Critical Hdwy	4.1	-	-	-	6.43	6.23
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.2	-	-	-	3.527	3.327
Pot Cap-1 Maneuver	1474	-	-	-	902	984
Stage 1	-	-	-	-	945	-
Stage 2	-	-	-	-	1000	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1474	-	-	-	902	984
Mov Cap-2 Maneuver	-	-	-	-	902	-
Stage 1	-	-	-	-	945	-
Stage 2	-	-	-	-	1000	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.2		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1474	-	-	-	902	984
HCM Lane V/C Ratio	-	-	-	-	0.059	0.003
HCM Control Delay (s)	0	-	-	-	9.2	8.7
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.7					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↱			↱	↱	↱
Traffic Vol, veh/h	2	44	1	1	95	4
Future Vol, veh/h	2	44	1	1	95	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	63	63	50	50	81	81
Heavy Vehicles, %	0	0	0	0	2	2
Mvmt Flow	3	70	2	2	117	5
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	73	0	44	38
Stage 1	-	-	-	-	38	-
Stage 2	-	-	-	-	6	-
Critical Hdwy	-	-	4.1	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.2	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1540	-	967	1034
Stage 1	-	-	-	-	984	-
Stage 2	-	-	-	-	1017	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1540	-	966	1034
Mov Cap-2 Maneuver	-	-	-	-	966	-
Stage 1	-	-	-	-	984	-
Stage 2	-	-	-	-	1016	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.7		9.2	
HCM LOS					A	
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	966	1034	-	-	1540	-
HCM Lane V/C Ratio	0.121	0.005	-	-	0.001	-
HCM Control Delay (s)	9.2	8.5	-	-	7.3	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Intersection						
Int Delay, s/veh	2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	42	22	81	38	4
Future Vol, veh/h	0	42	22	81	38	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	1	1	0	0	0	0
Mvmt Flow	0	54	24	88	41	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	112	0	-	0	122	68
Stage 1	-	-	-	-	68	-
Stage 2	-	-	-	-	54	-
Critical Hdwy	4.11	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.209	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1484	-	-	-	878	1001
Stage 1	-	-	-	-	960	-
Stage 2	-	-	-	-	974	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1484	-	-	-	878	1001
Mov Cap-2 Maneuver	-	-	-	-	878	-
Stage 1	-	-	-	-	960	-
Stage 2	-	-	-	-	974	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.2		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1484	-	-	-	878	1001
HCM Lane V/C Ratio	-	-	-	-	0.047	0.004
HCM Control Delay (s)	0	-	-	-	9.3	8.6
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.1	0

Intersection						
Int Delay, s/veh	4.6					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	9	71	3	8	95	3
Future Vol, veh/h	9	71	3	8	95	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	1	1	0	0	0	0
Mvmt Flow	12	91	3	9	102	3
Major/Minor	Major1	Major2		Minor1		
Conflicting Flow All	0	0	103	0	73	58
Stage 1	-	-	-	-	58	-
Stage 2	-	-	-	-	15	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1502	-	936	1014
Stage 1	-	-	-	-	970	-
Stage 2	-	-	-	-	1013	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1502	-	934	1014
Mov Cap-2 Maneuver	-	-	-	-	934	-
Stage 1	-	-	-	-	970	-
Stage 2	-	-	-	-	1011	-
Approach	EB	WB		NB		
HCM Control Delay, s	0	2		9.3		
HCM LOS	A					
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	934	1014	-	-	1502	-
HCM Lane V/C Ratio	0.109	0.003	-	-	0.002	-
HCM Control Delay (s)	9.3	8.6	-	-	7.4	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Intersection						
Int Delay, s/veh	2.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	33	28	172	77	6
Future Vol, veh/h	0	33	28	172	77	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	88	88	83	83
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	36	32	195	93	7
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	227	0	-	0	166	130
Stage 1	-	-	-	-	130	-
Stage 2	-	-	-	-	36	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1353	-	-	-	829	925
Stage 1	-	-	-	-	901	-
Stage 2	-	-	-	-	992	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1353	-	-	-	829	925
Mov Cap-2 Maneuver	-	-	-	-	829	-
Stage 1	-	-	-	-	901	-
Stage 2	-	-	-	-	992	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.8		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1353	-	-	-	829	925
HCM Lane V/C Ratio	-	-	-	-	0.112	0.008
HCM Control Delay (s)	0	-	-	-	9.9	8.9
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.4	0

Intersection						
Int Delay, s/veh	6					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	12	98	7	7	193	3
Future Vol, veh/h	12	98	7	7	193	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	0	1	0	0	0	0
Mvmt Flow	15	126	8	8	208	3
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	141	0	102	78
Stage 1	-	-	-	-	78	-
Stage 2	-	-	-	-	24	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1455	-	901	988
Stage 1	-	-	-	-	950	-
Stage 2	-	-	-	-	1004	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1455	-	896	988
Mov Cap-2 Maneuver	-	-	-	-	896	-
Stage 1	-	-	-	-	950	-
Stage 2	-	-	-	-	998	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.7		10.2	
HCM LOS					B	
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	896	988	-	-	1455	-
HCM Lane V/C Ratio	0.232	0.003	-	-	0.005	-
HCM Control Delay (s)	10.2	8.7	-	-	7.5	0
HCM Lane LOS	B	A	-	-	A	A
HCM 95th %tile Q(veh)	0.9	0	-	-	0	-

Intersection						
Int Delay, s/veh	2.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	12	20	83	38	2
Future Vol, veh/h	0	12	20	83	38	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	55	55	77	77	66	66
Heavy Vehicles, %	0	0	4	4	3	3
Mvmt Flow	0	22	26	108	58	3
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	134	0	-	0	102	80
Stage 1	-	-	-	-	80	-
Stage 2	-	-	-	-	22	-
Critical Hdwy	4.1	-	-	-	6.43	6.23
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.2	-	-	-	3.527	3.327
Pot Cap-1 Maneuver	1463	-	-	-	894	977
Stage 1	-	-	-	-	941	-
Stage 2	-	-	-	-	998	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1463	-	-	-	894	977
Mov Cap-2 Maneuver	-	-	-	-	894	-
Stage 1	-	-	-	-	941	-
Stage 2	-	-	-	-	998	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.3		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1463	-	-	-	894	977
HCM Lane V/C Ratio	-	-	-	-	0.064	0.003
HCM Control Delay (s)	0	-	-	-	9.3	8.7
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0

Intersection						
Int Delay, s/veh	5.8					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	2	48	1	1	102	4
Future Vol, veh/h	2	48	1	1	102	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	63	63	50	50	81	81
Heavy Vehicles, %	0	0	0	0	2	2
Mvmt Flow	3	76	2	2	126	5
Major/Minor	Major1	Major2		Minor1		
Conflicting Flow All	0	0	79	0	47	41
Stage 1	-	-	-	-	41	-
Stage 2	-	-	-	-	6	-
Critical Hdwy	-	-	4.1	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.2	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1532	-	963	1030
Stage 1	-	-	-	-	981	-
Stage 2	-	-	-	-	1017	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1532	-	962	1030
Mov Cap-2 Maneuver	-	-	-	-	962	-
Stage 1	-	-	-	-	981	-
Stage 2	-	-	-	-	1016	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.7		9.3	
HCM LOS					A	
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	962	1030	-	-	1532	-
HCM Lane V/C Ratio	0.131	0.005	-	-	0.001	-
HCM Control Delay (s)	9.3	8.5	-	-	7.4	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0.5	0	-	-	0	-

Intersection						
Int Delay, s/veh	2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	45	24	87	41	4
Future Vol, veh/h	0	45	24	87	41	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	1	1	0	0	0	0
Mvmt Flow	0	58	26	95	44	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	121	0	-	0	132	74
Stage 1	-	-	-	-	74	-
Stage 2	-	-	-	-	58	-
Critical Hdwy	4.11	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.209	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1473	-	-	-	867	993
Stage 1	-	-	-	-	954	-
Stage 2	-	-	-	-	970	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1473	-	-	-	867	993
Mov Cap-2 Maneuver	-	-	-	-	867	-
Stage 1	-	-	-	-	954	-
Stage 2	-	-	-	-	970	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.3		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1473	-	-	-	867	993
HCM Lane V/C Ratio	-	-	-	-	0.051	0.004
HCM Control Delay (s)	0	-	-	-	9.4	8.6
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0

Intersection						
Int Delay, s/veh	4.6					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	10	76	3	9	102	3
Future Vol, veh/h	10	76	3	9	102	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	1	1	0	0	0	0
Mvmt Flow	13	97	3	10	110	3
Major/Minor	Major1		Major2	Minor1		
Conflicting Flow All	0	0	110	0	78	62
Stage 1	-	-	-	-	62	-
Stage 2	-	-	-	-	16	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1493	-	930	1009
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	1012	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1493	-	928	1009
Mov Cap-2 Maneuver	-	-	-	-	928	-
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	1010	-
Approach	EB		WB	NB		
HCM Control Delay, s	0		1.9	9.4		
HCM LOS				A		
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	928	1009	-	-	1493	-
HCM Lane V/C Ratio	0.118	0.003	-	-	0.002	-
HCM Control Delay (s)	9.4	8.6	-	-	7.4	0
HCM Lane LOS	A	A	-	-	A	A
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-

Intersection						
Int Delay, s/veh	2.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	36	30	184	83	6
Future Vol, veh/h	0	36	30	184	83	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	88	88	83	83
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	39	34	209	100	7
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	243	0	-	0	178	139
Stage 1	-	-	-	-	139	-
Stage 2	-	-	-	-	39	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1335	-	-	-	816	915
Stage 1	-	-	-	-	893	-
Stage 2	-	-	-	-	989	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1335	-	-	-	816	915
Mov Cap-2 Maneuver	-	-	-	-	816	-
Stage 1	-	-	-	-	893	-
Stage 2	-	-	-	-	989	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.9		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1335	-	-	-	816	915
HCM Lane V/C Ratio	-	-	-	-	0.123	0.008
HCM Control Delay (s)	0	-	-	-	10	9
HCM Lane LOS	A	-	-	-	B	A
HCM 95th %tile Q(veh)	0	-	-	-	0.4	0

Intersection						
Int Delay, s/veh	6.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↱			↱	↱	↱
Traffic Vol, veh/h	14	105	8	8	206	3
Future Vol, veh/h	14	105	8	8	206	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	0	1	0	0	0	0
Mvmt Flow	18	135	9	9	222	3
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	153	0	113	86
Stage 1	-	-	-	-	86	-
Stage 2	-	-	-	-	27	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1440	-	888	978
Stage 1	-	-	-	-	942	-
Stage 2	-	-	-	-	1001	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1440	-	883	978
Mov Cap-2 Maneuver	-	-	-	-	883	-
Stage 1	-	-	-	-	942	-
Stage 2	-	-	-	-	995	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.8		10.4	
HCM LOS					B	
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	883	978	-	-	1440	-
HCM Lane V/C Ratio	0.251	0.003	-	-	0.006	-
HCM Control Delay (s)	10.4	8.7	-	-	7.5	0
HCM Lane LOS	B	A	-	-	A	A
HCM 95th %tile Q(veh)	1	0	-	-	0	-

Intersection						
Int Delay, s/veh	2.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	14	22	83	38	2
Future Vol, veh/h	0	14	22	83	38	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	55	55	77	77	66	66
Heavy Vehicles, %	0	0	4	4	3	3
Mvmt Flow	0	25	29	108	58	3
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	137	0	-	0	108	83
Stage 1	-	-	-	-	83	-
Stage 2	-	-	-	-	25	-
Critical Hdwy	4.1	-	-	-	6.43	6.23
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.2	-	-	-	3.527	3.327
Pot Cap-1 Maneuver	1459	-	-	-	887	974
Stage 1	-	-	-	-	938	-
Stage 2	-	-	-	-	995	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1459	-	-	-	887	974
Mov Cap-2 Maneuver	-	-	-	-	887	-
Stage 1	-	-	-	-	938	-
Stage 2	-	-	-	-	995	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.3		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1459	-	-	-	887	974
HCM Lane V/C Ratio	-	-	-	-	0.065	0.003
HCM Control Delay (s)	0	-	-	-	9.3	8.7
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0

Intersection												
Int Delay, s/veh	5.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕	↕		↕	
Traffic Vol, veh/h	1	3	48	4	2	0	102	1	7	0	1	1
Future Vol, veh/h	1	3	48	4	2	0	102	1	7	0	1	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	63	63	50	50	92	81	92	81	92	92	92
Heavy Vehicles, %	2	0	0	0	0	2	2	2	2	2	2	2
Mvmt Flow	1	5	76	8	4	0	126	1	9	0	1	1
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	4	0	0	81	0	0	66	65	43	70	103	4
Stage 1	-	-	-	-	-	-	45	45	-	20	20	-
Stage 2	-	-	-	-	-	-	21	20	-	50	83	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1618	-	-	1529	-	-	927	826	1027	922	787	1080
Stage 1	-	-	-	-	-	-	969	857	-	999	879	-
Stage 2	-	-	-	-	-	-	998	879	-	963	826	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1618	-	-	1529	-	-	921	821	1027	909	782	1080
Mov Cap-2 Maneuver	-	-	-	-	-	-	921	821	-	909	782	-
Stage 1	-	-	-	-	-	-	968	856	-	998	875	-
Stage 2	-	-	-	-	-	-	991	875	-	953	825	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			4.9			9.4			9		
HCM LOS							A			A		
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1			
Capacity (veh/h)	920	1027	1618	-	-	1529	-	-	907			
HCM Lane V/C Ratio	0.138	0.008	0.001	-	-	0.005	-	-	0.002			
HCM Control Delay (s)	9.5	8.5	7.2	0	-	7.4	0	-	9			
HCM Lane LOS	A	A	A	A	-	A	A	-	A			
HCM 95th %tile Q(veh)	0.5	0	0	-	-	0	-	-	0			

Intersection						
Int Delay, s/veh	1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	1	9	5	0	0	1
Future Vol, veh/h	1	9	5	0	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	10	5	0	0	1
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	5	0	-	0	17	5
Stage 1	-	-	-	-	5	-
Stage 2	-	-	-	-	12	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1616	-	-	-	1001	1078
Stage 1	-	-	-	-	1018	-
Stage 2	-	-	-	-	1011	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1616	-	-	-	1000	1078
Mov Cap-2 Maneuver	-	-	-	-	1000	-
Stage 1	-	-	-	-	1017	-
Stage 2	-	-	-	-	1011	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.7	0		8.3		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1616	-	-	-	1078	
HCM Lane V/C Ratio	0.001	-	-	-	0.001	
HCM Control Delay (s)	7.2	0	-	-	8.3	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Intersection						
Int Delay, s/veh	2.3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	2	7	3	0	2	0
Future Vol, veh/h	2	7	3	0	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	8	3	0	2	0
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	3	0	-	0	15	3
Stage 1	-	-	-	-	3	-
Stage 2	-	-	-	-	12	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1619	-	-	-	1004	1081
Stage 1	-	-	-	-	1020	-
Stage 2	-	-	-	-	1011	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1619	-	-	-	1003	1081
Mov Cap-2 Maneuver	-	-	-	-	1003	-
Stage 1	-	-	-	-	1019	-
Stage 2	-	-	-	-	1011	-
Approach	EB	WB		SB		
HCM Control Delay, s	1.6	0		8.6		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1619	-	-	-	1003	
HCM Lane V/C Ratio	0.001	-	-	-	0.002	
HCM Control Delay (s)	7.2	0	-	-	8.6	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Intersection						
Int Delay, s/veh	1.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	47	26	87	41	4
Future Vol, veh/h	0	47	26	87	41	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	78	78	92	92	93	93
Heavy Vehicles, %	1	1	0	0	0	0
Mvmt Flow	0	60	28	95	44	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	123	0	-	0	136	76
Stage 1	-	-	-	-	76	-
Stage 2	-	-	-	-	60	-
Critical Hdwy	4.11	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.209	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1470	-	-	-	862	991
Stage 1	-	-	-	-	952	-
Stage 2	-	-	-	-	968	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1470	-	-	-	862	991
Mov Cap-2 Maneuver	-	-	-	-	862	-
Stage 1	-	-	-	-	952	-
Stage 2	-	-	-	-	968	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		9.3		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1470	-	-	-	862	991
HCM Lane V/C Ratio	-	-	-	-	0.051	0.004
HCM Control Delay (s)	0	-	-	-	9.4	8.6
HCM Lane LOS	A	-	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0

Intersection												
Int Delay, s/veh	4.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕	↕		↕	
Traffic Vol, veh/h	1	11	76	7	10	0	102	2	7	0	2	1
Future Vol, veh/h	1	11	76	7	10	0	102	2	7	0	2	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	78	78	92	92	92	93	92	93	92	92	92
Heavy Vehicles, %	2	1	1	0	0	2	0	2	0	2	2	2
Mvmt Flow	1	14	97	8	11	0	110	2	8	0	2	1
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	11	0	0	111	0	0	94	92	63	97	140	11
Stage 1	-	-	-	-	-	-	65	65	-	27	27	-
Stage 2	-	-	-	-	-	-	29	27	-	70	113	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.52	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4.018	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	1608	-	-	1492	-	-	894	798	1007	885	751	1070
Stage 1	-	-	-	-	-	-	951	841	-	990	873	-
Stage 2	-	-	-	-	-	-	993	873	-	940	802	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1608	-	-	1492	-	-	887	793	1007	873	746	1070
Mov Cap-2 Maneuver	-	-	-	-	-	-	887	793	-	873	746	-
Stage 1	-	-	-	-	-	-	950	840	-	989	869	-
Stage 2	-	-	-	-	-	-	985	869	-	930	801	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			3.1			9.6			9.4		
HCM LOS							A			A		
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1			
Capacity (veh/h)	885	1007	1608	-	-	1492	-	-	830			
HCM Lane V/C Ratio	0.126	0.007	0.001	-	-	0.005	-	-	0.004			
HCM Control Delay (s)	9.7	8.6	7.2	0	-	7.4	0	-	9.4			
HCM Lane LOS	A	A	A	A	-	A	A	-	A			
HCM 95th %tile Q(veh)	0.4	0	0	-	-	0	-	-	0			

Intersection						
Int Delay, s/veh	0.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	2	16	15	0	0	2
Future Vol, veh/h	2	16	15	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	17	16	0	0	2
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	16	0	-	0	37	16
Stage 1	-	-	-	-	16	-
Stage 2	-	-	-	-	21	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1602	-	-	-	975	1063
Stage 1	-	-	-	-	1007	-
Stage 2	-	-	-	-	1002	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1602	-	-	-	974	1063
Mov Cap-2 Maneuver	-	-	-	-	974	-
Stage 1	-	-	-	-	1006	-
Stage 2	-	-	-	-	1002	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.8	0		8.4		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1602	-	-	-	1063	
HCM Lane V/C Ratio	0.001	-	-	-	0.002	
HCM Control Delay (s)	7.2	0	-	-	8.4	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Intersection						
Int Delay, s/veh	1.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	3	13	12	0	0	3
Future Vol, veh/h	3	13	12	0	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	14	13	0	0	3
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	13	0	-	0	33	13
Stage 1	-	-	-	-	13	-
Stage 2	-	-	-	-	20	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1606	-	-	-	980	1067
Stage 1	-	-	-	-	1010	-
Stage 2	-	-	-	-	1003	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1606	-	-	-	978	1067
Mov Cap-2 Maneuver	-	-	-	-	978	-
Stage 1	-	-	-	-	1008	-
Stage 2	-	-	-	-	1003	-
Approach	EB	WB		SB		
HCM Control Delay, s	1.4	0		8.4		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1606	-	-	-	1067	
HCM Lane V/C Ratio	0.002	-	-	-	0.003	
HCM Control Delay (s)	7.2	0	-	-	8.4	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Intersection						
Int Delay, s/veh	2.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	40	33	184	83	3
Future Vol, veh/h	0	40	33	184	83	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	88	88	83	83
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	0	43	38	209	100	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	247	0	-	0	186	143
Stage 1	-	-	-	-	143	-
Stage 2	-	-	-	-	43	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1331	-	-	-	808	910
Stage 1	-	-	-	-	889	-
Stage 2	-	-	-	-	985	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1331	-	-	-	808	910
Mov Cap-2 Maneuver	-	-	-	-	808	-
Stage 1	-	-	-	-	889	-
Stage 2	-	-	-	-	985	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		10.1		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1331	-	-	-	808	910
HCM Lane V/C Ratio	-	-	-	-	0.124	0.004
HCM Control Delay (s)	0	-	-	-	10.1	9
HCM Lane LOS	A	-	-	-	B	A
HCM 95th %tile Q(veh)	0	-	-	-	0.4	0

Intersection												
Int Delay, s/veh	6.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕	↗		↕	
Traffic Vol, veh/h	2	15	105	12	9	0	206	3	8	0	2	2
Future Vol, veh/h	2	15	105	12	9	0	206	3	8	0	2	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	0	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	78	78	92	92	92	93	92	93	92	92	92
Heavy Vehicles, %	2	0	1	0	0	2	0	2	0	2	2	2
Mvmt Flow	2	19	135	13	10	0	222	3	9	0	2	2
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	10	0	0	154	0	0	129	127	87	133	194	10
Stage 1	-	-	-	-	-	-	91	91	-	36	36	-
Stage 2	-	-	-	-	-	-	38	36	-	97	158	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.52	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4.018	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	1610	-	-	1439	-	-	849	764	977	839	701	1071
Stage 1	-	-	-	-	-	-	921	820	-	980	865	-
Stage 2	-	-	-	-	-	-	982	865	-	910	767	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1610	-	-	1439	-	-	839	756	977	822	694	1071
Mov Cap-2 Maneuver	-	-	-	-	-	-	839	756	-	822	694	-
Stage 1	-	-	-	-	-	-	920	819	-	979	857	-
Stage 2	-	-	-	-	-	-	969	857	-	897	766	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			4.3			10.8			9.3		
HCM LOS							B			A		
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1			
Capacity (veh/h)	838	977	1610	-	-	1439	-	-	842			
HCM Lane V/C Ratio	0.268	0.009	0.001	-	-	0.009	-	-	0.005			
HCM Control Delay (s)	10.9	8.7	7.2	0	-	7.5	0	-	9.3			
HCM Lane LOS	B	A	A	A	-	A	A	-	A			
HCM 95th %tile Q(veh)	1.1	0	0	-	-	0	-	-	0			

Intersection						
Int Delay, s/veh	0.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	3	20	19	0	0	2
Future Vol, veh/h	3	20	19	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	22	21	0	0	2
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	21	0	-	0	49	21
Stage 1	-	-	-	-	21	-
Stage 2	-	-	-	-	28	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1595	-	-	-	960	1056
Stage 1	-	-	-	-	1002	-
Stage 2	-	-	-	-	995	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1595	-	-	-	958	1056
Mov Cap-2 Maneuver	-	-	-	-	958	-
Stage 1	-	-	-	-	1000	-
Stage 2	-	-	-	-	995	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.9	0		8.4		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1595	-	-	-	1056	
HCM Lane V/C Ratio	0.002	-	-	-	0.002	
HCM Control Delay (s)	7.3	0	-	-	8.4	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Intersection						
Int Delay, s/veh	0.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	16	16	0	0	3
Future Vol, veh/h	0	16	16	0	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	17	17	0	0	3
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	17	0	-	0	34	17
Stage 1	-	-	-	-	17	-
Stage 2	-	-	-	-	17	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1600	-	-	-	979	1062
Stage 1	-	-	-	-	1006	-
Stage 2	-	-	-	-	1006	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1600	-	-	-	979	1062
Mov Cap-2 Maneuver	-	-	-	-	979	-
Stage 1	-	-	-	-	1006	-
Stage 2	-	-	-	-	1006	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		8.4		
HCM LOS				A		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1600	-	-	-	1062	
HCM Lane V/C Ratio	-	-	-	-	0.003	
HCM Control Delay (s)	0	-	-	-	8.4	
HCM Lane LOS	A	-	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	