

TRAFFIC IMPACT AND ACCESS STUDY

PROPOSED CONTRACTOR BUILDINGS METHUEN, MASSACHUSETTS



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SUBMITTED TO:

Sonny Valley, LLC.
101 Lindberg Avenue
Methuen, Massachusetts 01844

October 2020

MAX-0466019.00



***Sonny Valley, LLC.
Proposed Contractor Buildings
Traffic Impact and Access Study
October 6, 2020***

TECHNICAL MEMORANDUM

REF: MAX-0466019.00

DATE: October 6, 2020

TO: Mr. Tom Evangelista
Sonny Valley, LLC.
101 Lindberg Avenue
Methuen, Massachusetts 01844

FROM: Ms. Heather L. Monticup, P.E., Director of Land Development Traffic
Mr. Douglas S. Halpert, P.E., Project Engineer

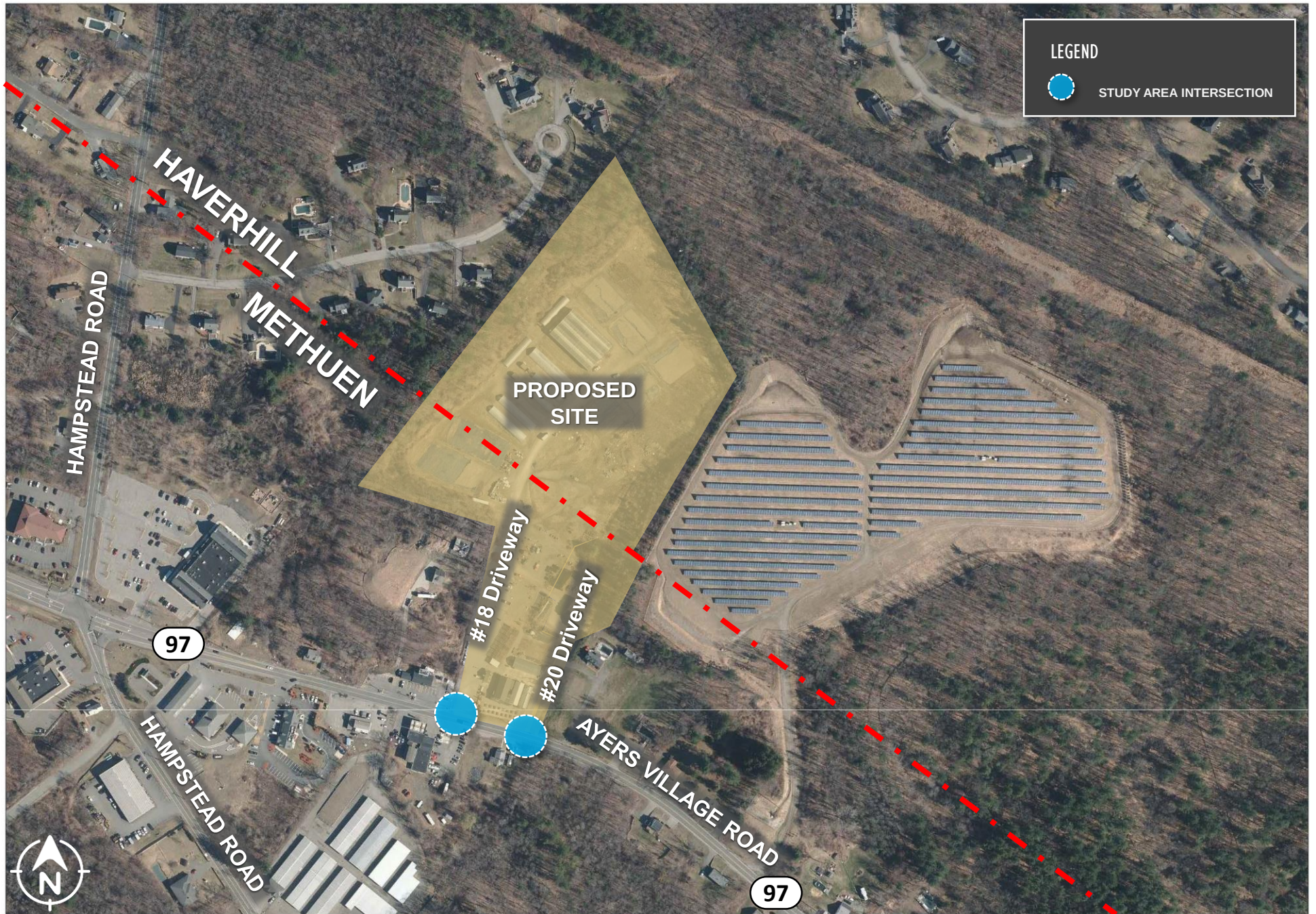
RE: Traffic Impact and Access Study
Proposed Contractor Buildings
18 & 20 Ayers Village Road (Route 97) – Methuen, Massachusetts

INTRODUCTION

Greenman-Pedersen, Inc. (GPI) has prepared this *Traffic Impact and Access Study* (TIAS) for a proposed contractor building development to be located at 18 & 20 Ayers Village Road (Route 97) in Methuen, Massachusetts. The site is currently occupied by the Laschi's Garden Center and one residential home (20 Ayers Village Road). As part of the redevelopment, all structures in Methuen will be razed except for the 2,321 square foot (SF) sales/office building with one attached greenhouse and three (3) contractor buildings will be constructed. Each contractor building will be 10,000 SF having five (5) units each.

Access and egress to the site is currently provided via two curb cuts on Ayers Village Road; one for the garden center and one that provides access and egress to the garden center and the residential home. The residential driveway for 20 Ayers Village Road will be closed as part of the redevelopment and the driveway to the garden center will be modified to better define access into and out of the site.

The site is bounded by forested area to the north, Ayers Village Road (Route 97) to the south, single family homes and a solar panel farm to the east, and forested area and single-family homes to the west. The site location in relation to the surrounding roadways is shown on the map on Figure 1.



EXISTING CONDITIONS

Study Area

Evaluation of the traffic impacts associated with the proposed project requires an evaluation of existing and projected traffic volumes on the adjacent streets, the volume of traffic expected to be generated by the project, and the impact that this traffic will have on the adjacent streets and nearby intersections. In preparing the TIAS for the proposed site, the following intersections have been analyzed and evaluated based on conversations with the City of Methuen and the city's peer review consultant, The Engineering Corp (TEC):

- Ayers Village Road (Route 97) at 18 Ayers Village Road (Route 97) Driveway
- Ayers Village Road (Route 97) at 20 Ayers Village Road (Route 97) Driveway

Ayers Village Road (Route 97)

Ayers Village Road (Route 97) is classified as an urban minor arterial signed running in an east-west direction. Adjacent to the site, the roadway provides one travel lane in each direction with directional travel separated by a striped double-yellow centerline. The posted speed limit in the vicinity of the site is 35 miles per hour (mph). The shoulder is provided along Ayers Village Road is not wide enough for bicycle accommodations.

Ayers Village Road (Route 97) at 18 Ayers Village Road (Route 97) Driveway

The driveways for 18 Ayers Village Road and 15 Ayers Village Road intersects Ayers Village Road (Route 97) from the north and south, respectively, to form a four-way unsignalized intersection. The Ayers Village Road (Route 97) eastbound and westbound approaches consist of a single general-purpose lane. The 15 Ayers Village Road northbound and the 18 Ayers Village Road southbound approaches consist of a single general-purpose lane. There are no sidewalks provided at this intersection.

Ayers Village Road (Route 97) at 20 Ayers Village Road (Route 97) Driveway

The driveways for 20 Ayers Village Road and 19 Ayers Village Road intersects Ayers Village Road (Route 97) from the north and south, respectively, to form a four-way unsignalized intersection. The Ayers Village Road (Route 97) eastbound and westbound approaches consist of a single general-purpose lane. The 19 Ayers Village Road northbound and the 20 Ayers Village Road southbound approaches consist of a single general-purpose lane. There are no sidewalks provided at this intersection.

Traffic Volumes

Automatic traffic recorders (ATR) were used to obtain daily traffic volumes and speeds on Ayers Village Road (Route 97) adjacent to the site for weekday daily periods. ATR counts were collected along Ayers Village Road (Route 97) and the site driveways at 18 and 20 Ayers Village Road over a 48-hour period from Tuesday, September 15 to Wednesday, September 16, 2020 to obtain weekday daily traffic volumes. All traffic-count data is provided in detail in the Appendix.

Base traffic conditions within the study area were developed by conducting manual turning movement counts (TMCs) and vehicle classification counts at the study area locations. The TMCs and vehicle classification counts were performed during the weekday AM peak period (6:00 AM to 10:00 AM) and during

the weekday PM peak period (3:00 PM to 7:00 PM) on Tuesday, September 15, 2020 at the study area intersections:

Seasonal Adjustment

Traffic on a given roadway typically fluctuates throughout the year depending on the area and the type of roadway. To determine if the September traffic-volume data needed to be adjusted to account for this fluctuation, historical traffic-volume data were reviewed from the Massachusetts Department of Transportation (MassDOT) records.¹ This information revealed that September traffic volumes are above average-month conditions. Therefore, the September traffic counts were not upwardly adjusted to provide a conservative (worse case) scenario analysis condition. The MassDOT seasonal adjustment data is provided in the Appendix.

Table 1 summarizes the existing daily and peak-hour traffic volumes on Ayers Village Road (Route 97).

TABLE 1
Existing Traffic Volume Summary

Location/Time Period	Daily Volume (vpd) ^a	Peak Hour Volume (vph) ^b	K Factor (%) ^c	Directional Distribution ^d
Ayers Village Road (Route 97), east of Laschi East Driveway:				
Weekday Daily	8,890			
Weekday AM Peak Hour		525	5.9	53% EB
Weekday PM Peak Hour		838	9.4	53% WB

^a In vehicles per day.

^b In vehicles per hour on Ayers Village Road adjacent to the site.

^c Percentage of daily traffic occurring during the peak hour.

^d WB = westbound and EB = eastbound.

¹ MassDOT Transportation Data Management System; Station 4119 – Route I-95, south of Winter Street (Waltham).

Collisions

Collision data for the study area intersections of Ayers Village Road (Route 97) at the existing site driveways were obtained from MassDOT for the latest complete five years available (2014-2018). A summary of the crashes at this intersection is provided in Table 2.

In addition to the collision summary, crash occurrence also should be compared to the volume of traffic through a particular intersection or on a particular classification of roadway to determine any significance. Accordingly, the crash rate was calculated for the study area intersections and compared with the statewide and district-wide averages. An intersection crash rate is a measure of the frequency of collisions compared to the volume of traffic through an intersection and is presented in crashes per million entering vehicles (c/mev). For unsignalized intersections, the statewide and district-wide average is 0.57 c/mev. A comparison of the calculated crash rate to these averages can be used to establish the significance of collision occurrence and whether or not potential safety problems exist. All crash rate worksheets are provided in the Appendix.

Based on the collision data, two collisions occurred at the 18 Ayers Village Road Driveway and a single collision at the 24 Ayers Village Road Driveway intersection with Route 97 for a combined annual crash rate less than 1.0 collision per year. The crash rate for the study area intersections are less than the state and district-wide averages. All three collisions were angled collisions which are common at unsignalized intersections where a driver attempts to enter the flow of traffic in an insufficient time gap. The overall lack of collisions at the study area intersections indicates that there are not significant safety concerns.

TABLE 2
Collision Summary

Location	Number of Collisions			Severity ^a				Collision Type ^b						Percent During	
	Total	Average per Year	Crash Rate ^c	PD	PI	F	NR	SS	RE	CM	FO	SV	U	Commuter Peak ^d	Wet/Icy Conditions ^e
Rout 97 at 18 Ayers Village Road Driveway	2	0.40	0.12	2	--	--	--	--	--	2	--	--	--	0%	0%
Rout 97 at 20-24 Ayers Village Road Driveway	1	0.20	0.06	1	--	--	--	--	--	1	--	--	--	50%	100%

Source: MassDOT (2014-2018).

^a PD = property damage only; PI = personal injury; F = fatality, NR = not reported.

^b SS = sideswipe; RE = rear end; CM = cross movement/angle; FO = fixed object; SV = single vehicle; U = unknown.

^c Measured in crashes per million entering vehicles for intersections and in crashes per million vehicle miles traveled for roadway segments.

^d Percent of vehicle incidents that occurred during the weekday AM (7:00 AM-9:00 AM) and weekday PM (4:00 PM -6:00 PM) commuter peak periods.

^e Represents the percentage of only "known" collisions occurring during inclement weather conditions.

Vehicle Speeds

Vehicle speed measurements were conducted along Ayers Village Road (Route 97) by measuring the elapsed time for vehicles traveling a short, pre-measured distance between two checkpoints. The travel times were recorded using ATRs and the speeds were derived by dividing the elapsed time into the measured distance between checkpoints. The primary use of this information is explained in the *Sight Distance* section where the speeds are correlated to sight distance measurements taken at the location of the site driveways to assure that adequate sight distances exist at the driveways to provide safe operation. The speed data is provided in the Appendix and the results of the speed measurements are summarized in Table 3.

TABLE 3
Observed Travel Speeds

Location/Direction	Enforced Speed Limit ^a	Average Speed ^b	85 th Percentile Speed ^c
Ayers Village Road (Route 97), east of Laschi East Driveway:			
<i>Eastbound</i>	35	35	39
<i>Westbound</i>	35	36	39

^a In miles per hour (mph).

^b Average speed of all observed vehicles.

^c Speed at, or below which 85 percent of all observed vehicles travel.

As shown in Table 3, the 85th percentile speeds were found to be slightly higher than the posted speed limit of 35 mph along Ayers Village Road adjacent to the site. The average speed is consistent with the posted speed limit.

Sight Distance

To identify potential safety concerns associated with site access and egress, sight distances have been evaluated at the proposed site driveway location to determine if the available sight distances for vehicles exiting the site meet or exceed the minimum distances required for approaching vehicles to safely stop. The available sight distances were compared with minimum requirements, as established by the American Association of State Highway and Transportation Officials (AASHTO)². AASHTO is the national standard by which vehicle sight distance is calculated, measured, and reported. The Massachusetts Executive Office of Transportation (EOT) and the Executive Office of Energy and Environmental Affairs (EEA) require the use of AASHTO sight distance standards when preparing traffic impact assessments and studies, as stated in their guidelines for traffic impact assessments.

Sight distance is the length of roadway ahead that is visible to the driver. Stopping Sight Distance (SSD) is the minimum distance required for a vehicle traveling at a certain speed to safely stop before reaching a stationary object in its path. The values are based on a driver perception and reaction time of 2.5 seconds and a braking distance calculated for wet, level pavements. When the roadway is either on an upgrade or

² A Policy on Geometric Design of Highways and Streets; American Association of State Highway and Transportation Officials (AASHTO); 2018.

downgrade, grade correction factors are applied. Stopping sight distance is measured from an eye height of 3.5 feet to an object height of 2 feet above street level, equivalent to the taillight height of a passenger car. The SSD is measured along the centerline of the traveled way of the major road.

Intersection sight distance (ISD) is provided on minor street approaches to allow the drivers of stopped vehicles a sufficient view of the major roadway to decide when to enter the major roadway. By definition, ISD is the minimum distance required for a motorist exiting a minor street to turn onto the major street, without being overtaken by an approaching vehicle reducing its speed from the design speed to 70 percent of the design speed. ISD is measured from an eye height of 3.5 feet to an object height of 3.5 feet above street level. The use of an object height equal to the driver eye height makes intersection sight distances reciprocal (i.e., if one driver can see another vehicle, then the driver of that vehicle can also see the first vehicle). When the minor street is on an upgrade that exceeds 3 percent, grade correction factors are applied.

SSD is generally more important as it represents the minimum distance required for safe stopping while ISD is based only upon acceptable speed reductions to the approaching traffic stream. The ISD, however, must be equal to or greater than the minimum required SSD in order to provide safe operations at the intersection. In accordance with the AASHTO manual, *"If the available sight distance for an entering or crossing vehicle is at least equal to the appropriate stopping sight distance for the major road, then drivers have sufficient sight distance to anticipate and avoid collisions. However, in some cases, this may require a major-road vehicle to stop or slow to accommodate the maneuver by a minor-road vehicle. To enhance traffic operations, intersection sight distances that exceed stopping sight distances are desirable along the major road."* Accordingly, ISD should be at least equal to the distance required to allow a driver approaching the minor road to safely stop.

The available SSD and ISD at the proposed site driveway location were measured and compared to minimum requirements as established by AASHTO. Based on the posted and observed speeds, the SSD and ISD requirements at this intersection were calculated. The required minimum sight distances for the driveways are compared to the available distances, as shown in Table 4.

TABLE 4
Sight Distance Summary

Location/Direction	Stopping Sight Distance (feet)		Intersection Sight Distance (feet)		
	Measured	Minimum Required ^a	Measured	Minimum Required ^b	Desirable ^c
Ayers Village Road (Route 97) east of Laschi East Driveway:					
<i>East of intersection (WB)</i>	500+	290	500+	290	335
<i>West of intersection (EB)</i>	500+	290	330	290	390

^a Values based on AASHTO requirements for minimum SSD based on 85th percentile speeds; 39 mph for eastbound travel and 39 mph for westbound travel on Ayers Village Road.

^b Values based on AASHTO requirements for SSD.

^c Values based on AASHTO requirements for ISD for posted speed of 35 mph on Ayers Village Road.

As indicated in Table 4, available sight distances at the site driveway at 18 Ayers Village Road exceed the minimum SSD and ISD requirements for safe operation. The ISD looking west of the intersection is partially

obstructed when a vehicle is parked in the parking space east of the Pica's restaurant sign on the adjacent property. When a vehicle is not parked in that space, the ISD is greater than 500 feet rather than the 330 feet provided in the Table 4. In addition, it is recommended that any proposed plantings, vegetation, landscaping, and signing along the site frontage be kept low to the ground (no more than 3.0 feet above street level) or set back sufficiently from Ayers Village Road (Route 97) so as not to inhibit the available sight lines.

FUTURE CONDITIONS

To estimate the impact of site-generated traffic within the study area, existing traffic volumes were projected to the year 2027, representing a seven-year design horizon based on coordination with state guidelines. The proposed development is expected to be completed and fully operational well within this time frame. Traffic volumes on the roadway network at that time will include existing traffic and new traffic due to normal traffic growth. Consideration of these factors resulted in the development of 2027 No-Build traffic volumes, which assume that the proposed redevelopment is not built. The incremental impacts of the proposed project may then be determined by adding site-generated traffic volumes (Build conditions) and making comparisons to the No-Build conditions.

Traffic Growth

To develop the 2027 No-Build forecast volumes, two components of traffic growth were considered. First, an annual growth percentage was determined. Based on historic traffic-volume counts provided by MassDOT, traffic volumes in the area have been held constant, on average since 2013.³ In order to provide a conservative (worse case) scenario, a 0.5 percent compounded annual growth was assumed. The MassDOT historical traffic data are provided in the Appendix.

Second, any planned or approved specific developments in the area that would generate a significant volume of traffic on study area roadways within the next seven years were considered. Based on conversations with the City of Methuen Planning Division, a 12-lot subdivision known as "Cooper Lane" located at 65 Ayers Village Road was recently approved by the City Development Board. It is anticipated that this development will not generate a significant amount of traffic and is therefore assumed under the conservative growth rate.

Planned Roadway Improvements

Based on the MassDOT Project Information website, there are no planned roadway improvement projects in the vicinity of the proposed project.

No-Build Conditions

The 2027 No-Build peak-hour traffic volumes were accordingly developed by applying a 0.5 percent compounded annual traffic growth rate (3.5 percent over seven years) to the 2020 Existing traffic volumes. The 2027 No-Build traffic volumes are shown graphically on Figure 2 for the weekday AM and weekday PM.

³MassDOT Transportation Data Management System; Haverhill, MA.

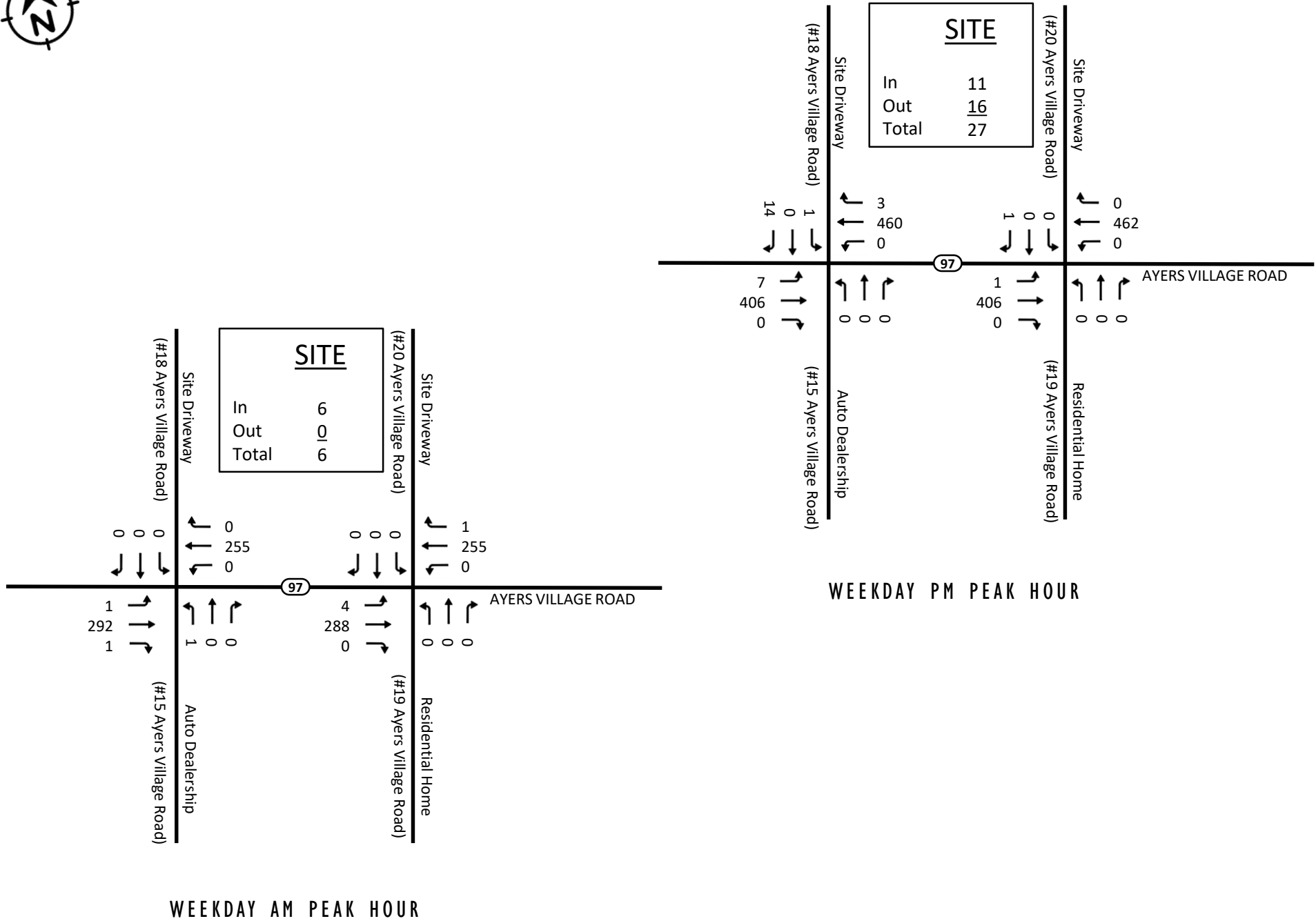


FIGURE 2

**2027 NO-BUILD TRAFFIC VOLUMES
WEEKDAY AM & PM PEAK HOUR**

Trip Generation

The site is currently occupied by the Laschi's Garden Center and one residential home. As part of the redevelopment, all structures in Methuen will be razed except for the 2,321 SF sales/office building with one attached greenhouse and three (3) contractor buildings will be constructed. Each contractor building will be 10,000 SF having five (5) units each. To estimate the volume of traffic to be generated by the proposed development, trip-generation rates published by the Institute of Transportation Engineers (ITE) Trip Generation Manual⁴ were researched. Accordingly, Land Use Code (LUC) 180 (Specialty Trade Contractor) was used for the proposed use. A Specialty Trade Contractor, as defined by ITE, includes the following services: "plumbing, heating and cooling, machine repair, electrical and mechanical repair, industrial supply, roofing, locksmith, weed and pest control, and cleaning." All trip generation data are provided in the Appendix.

In accordance with the Special Permit draft decision by the City of Methuen Zoning Board of Appeals, only indoor storage of equipment and commercial vehicles will be permitted but the "Contractor Yard" may be open for sales to the public. While specific tenants have not been identified, the Applicant has agreed that any outdoor storage of equipment would require another special permit.

Given the temporary nature of some existing structures associated with the existing use on-site, it was assumed that majority will be relocated as part of the project but will not affect trips. Therefore, no existing trips were removed from the study area to provide a conservative (worse case) scenario. Table 5 provides a summary of the existing and proposed site-generated trips.

TABLE 5
Trip Generation Summary

Time Period/Direction	Existing Total Trips ^a	Proposed Contractor Building Trips ^b	Total Trips ^c
Weekday Daily	237	310	547
Weekday AM Peak Hour:			
<i>Enter</i>	6	37	43
<i>Exit</i>	0	13	13
<i>Total</i>	6	50	56
Weekday PM Peak Hour:			
<i>Enter</i>	11	19	30
<i>Exit</i>	16	40	56
<i>Total</i>	27	59	86

^a Trips collected by TMCs on September 15, 2020.

^b ITE LUC 180 (Specialty Trade Contractor) for 30,000 SF for Weekday Daily, weekday AM peak hour, and weekday PM peak hour.

^c Proposed New Trips plus Existing New Trips.

As shown in Table 5, the proposed redevelopment is expected to generate 50 *additional new* vehicle trips (37 entering and 13 exiting) during the weekday AM peak hour and 59 *additional new* vehicle trips (19 entering and 40 exiting) during the weekday PM peak hour. It should be noted that the total volume of site-generated trips is anticipated to be less than 100 trips during a given peak hour.

⁴ *Trip Generation, 10th Edition*. Institute of Transportation Engineers; Washington, DC; 2017.

Trip Distribution

Having estimated project-generated vehicle trips, the next step is to determine the distribution of project traffic and assign these trips to the local roadway network. The directional distribution of site traffic is dependent on expected travel route to and from the site and existing travel patterns. Accordingly, 50 percent of the site-generated traffic is expected to travel to and from the east along Ayers Village Road (Route 97) and 50 percent is expected to travel to and from the west along Ayers Village Road (Route 97).

Build Traffic Volumes

Based on the traffic generation and distribution estimates for this project, the traffic volumes associated with the proposed redevelopment were assigned to the roadway network. The site-generated traffic network is shown on Figure 3. The site-generated traffic volumes were then combined with the 2027 No-Build traffic volumes to develop the 2027 Build peak-hour traffic-volume networks. The 2027 Build peak hour traffic volumes are illustrated on Figure 4.

Traffic Increases

The proposed redevelopment will result in increases in traffic on the study area roadways. As shown on Figure 3, traffic-volume increases beyond the study area during the peak hours are expected to be in the range of 24 to 30 vehicles. These increases represent, on average, one additional vehicle approximately every 2 minutes during the peak hours.

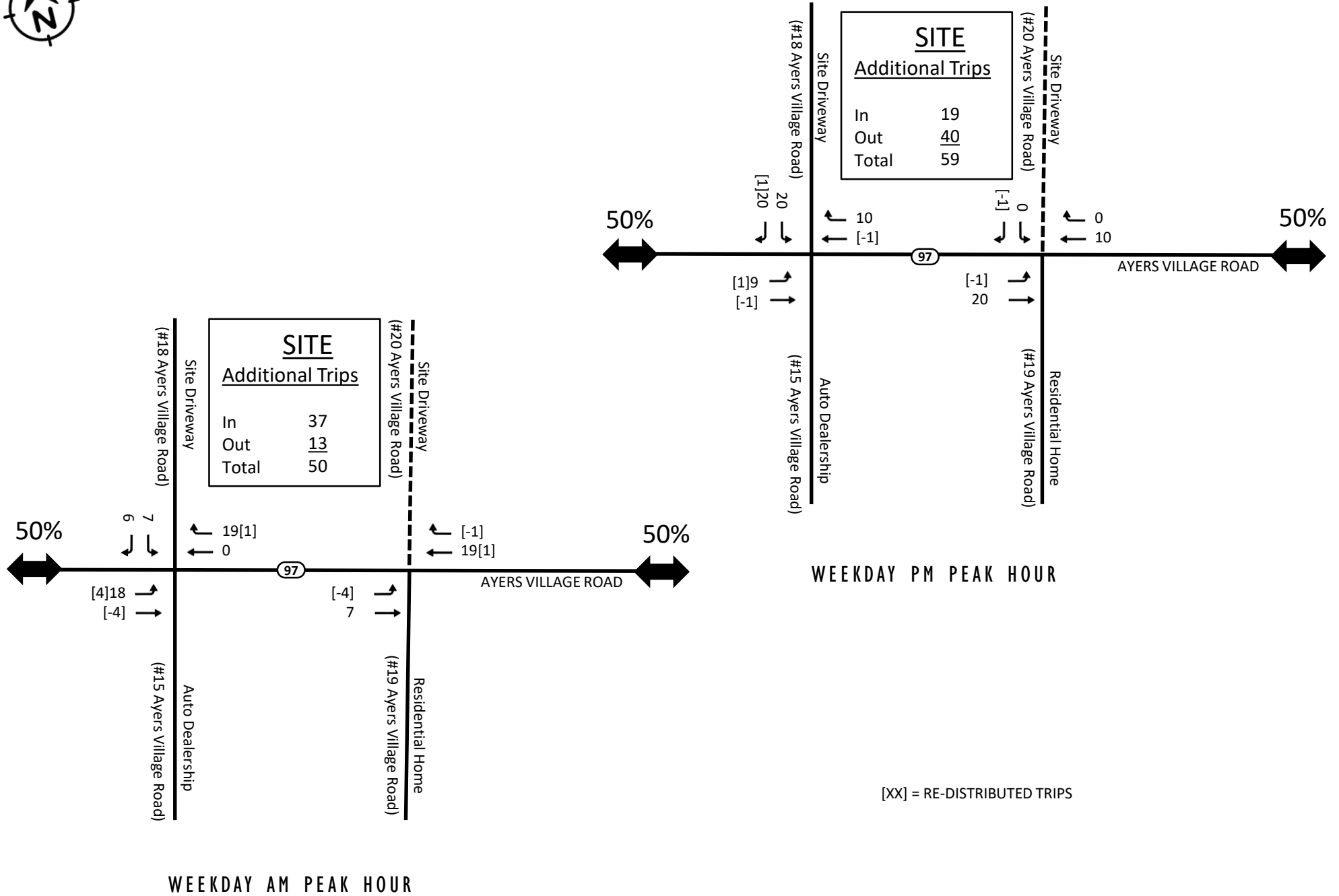


FIGURE 3

SITE-GENERATED TRAFFIC VOLUMES
WEEKDAY AM & PM PEAK HOUR

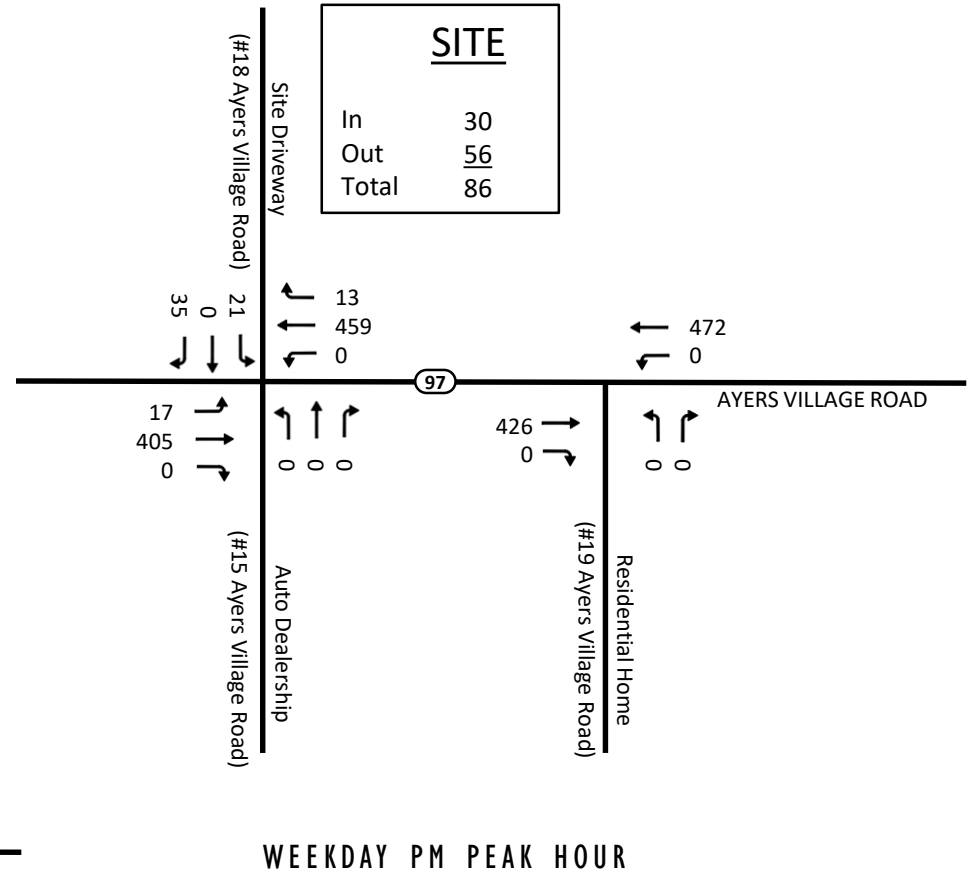
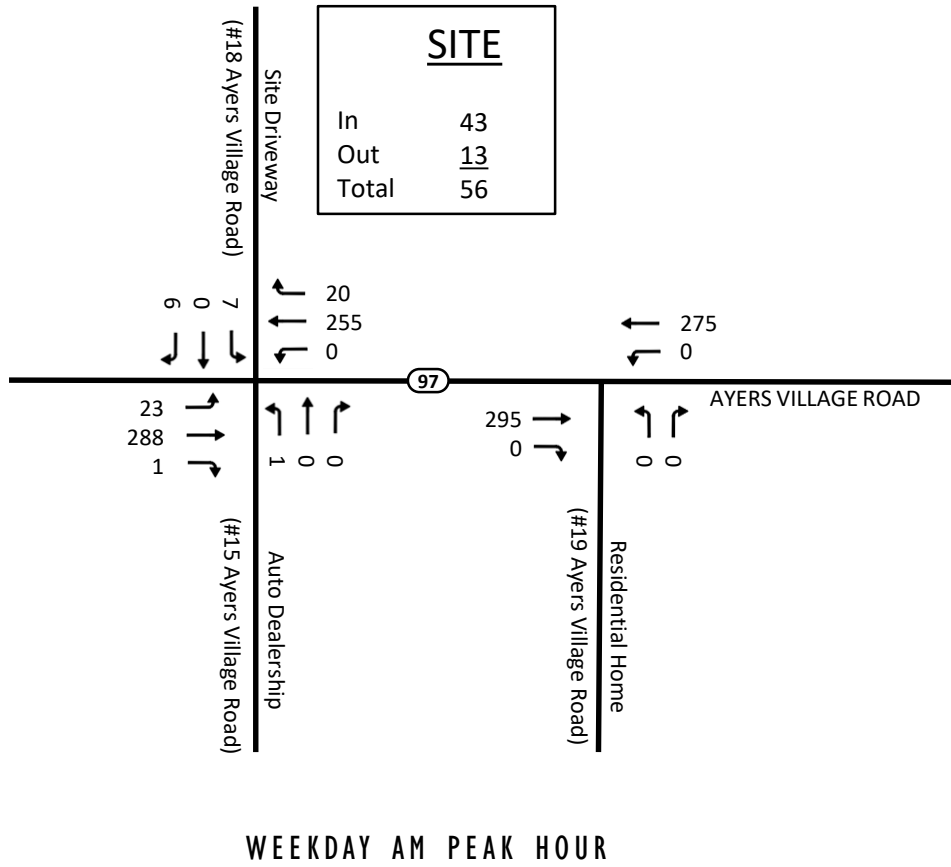


FIGURE 4

**2027 BUILD TRAFFIC VOLUMES
WEEKDAY AM & PM PEAK HOUR**

CAPACITY AND QUEUE ANALYSIS

Capacity and queue analyses were conducted at all study area locations under 2027 No-Build and 2027 Build traffic-volume conditions to measure the impact of site-generated traffic.

Methodology

The capacity analysis methodology is based on the concepts and procedures in the *Highway Capacity Manual* (HCM)⁵ and is described in the Appendix. The TIAS utilizes the HCM 6th Edition methodology at the unsignalized intersection as the most recently approved method.

For unsignalized intersections, the 95th percentile queue represents the length of queue of the critical minor-street movement that is not expected to be exceeded 95 percent of the time during the analysis period (typically one hour). In this case, the queue length is a function of the capacity of the movement and the movement's degree of saturation.

Analysis Results

The results of the level-of-service (LOS) and queue analyses are shown in Table 6 and are discussed below. Capacity and queue analyses were conducted at the study area intersections utilizing *Synchro* software.⁶ The capacity and queue analysis worksheets for all conditions are provided in the Appendix.

Ayers Village Road (Route 97) at 18 Ayers Village Road (Route 97) Driveway

As shown in Table 6, all movements are anticipated to operate at LOS C or better under all future traffic-volume conditions during all peak hours. All movements are under capacity with and without the project in place and the closure of the 20 Ayers Village Road driveway.

Ayers Village Road (Route 97) at 20 Ayers Village Road (Route 97) Driveway

As shown in Table 6, all movements are anticipated to operate at LOS C or better under all future traffic-volume conditions during all peak hours. All movements are under capacity with and without the project in place. The site driveway (20 Ayers Village Road) will be closed as part of the redevelopment.

⁵ *Highway Capacity Manual 6th Edition*, Transportation Research Board; Washington, D.C.; 2016.

⁶ *Synchro plus SimTraffic 10*; Trafficware LLC.; Sugar Land, TX; 2017.

TABLE 6
Intersection Capacity Analysis Summary

Intersection/Peak Hour/Lane Group	2027 No-Build				2027 Build			
	V/C ^a	Del. ^b	LOS ^c	Queue ^d	V/C	Del.	LOS	Queue
Route 97 at 18 Ayers Village Road Driveway								
<i>Weekday AM:</i>								
Route 97 EB approach	0.00	9.1	A	--/ <25	0.02	8.0	A	--/ <25
Route 97 WB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
15 Ayers Village Rd NB approach	0.00	17.3	C	--/ <25	0.00	18.6	C	--/ <25
Site Driveway SB approach	0.00	0.0	A	--/ <25	0.03	12.6	B	--/ <25
<i>Weekday PM:</i>								
Route 97 EB approach	0.01	8.3	A	--/ <25	0.02	8.5	A	--/ <25
Route 97 WB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
15 Ayers Village Rd NB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
Site Driveway SB approach	0.03	12.0	B	--/ <25	0.17	17.1	C	--/ <25
Route 97 at 20 Ayers Village Road Driveway								
<i>Weekday AM:</i>								
Route 97 EB approach	0.00	7.8	A	--/ <25	0.00	0.0	A	--/ <25
Route 97 WB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
19 Ayers Village Road NB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
Site Driveway SB approach	0.00	0.0	A	--/ <25	-	-	-	--/ --
<i>Weekday PM:</i>								
Route 97 EB approach	0.00	8.3	A	--/ <25	0.00	0.0	A	--/ <25
Route 97 WB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
19 Ayers Village Road NB approach	0.00	0.0	A	--/ <25	0.00	0.0	A	--/ <25
Site Driveway SB approach	0.00	11.1	B	--/ <25	-	-	-	--/ --

^a Volume-to-capacity ratio.

^b Average control delay in seconds per vehicle.

^c Level of service.

^d Average/95th percentile queue length in feet per lane (assuming 25 feet per vehicle).

COVID-19 ADJUSTMENT

As discussed in the TIAS, traffic counts were collected on Tuesday, September 15, 2020, and Wednesday, September 16, 2020, during the COVID-19 pandemic. The combination of remote schooling and Work From Home (WFH) operations likely resulted in reductions in traffic volumes along Ayers Village Road (Route 97). Traffic volumes in the area were researched to determine if any adjustment is needed to reflect pre-COVID conditions.

Methodology

MassDOT's Transportation Data Management System provides count data for almost every day along Interstate 495 north of Broadway (Route 97) from Friday, March 13, 2020, to Tuesday, September 1, 2020. In addition, count data is also available for almost every day along Interstate 495 south of Broadway (Route 97) from July 2018 to Thursday, April 30, 2020. GPI reviewed this data to assess the extent of traffic volume decreases that were experienced on the surrounding area roadways. The results of this comparison indicated that the Weekday Average Daily Traffic (ADT) volume from traffic counts collected prior to the COVID-19 pandemic are 65 percent higher than the volumes recorded at the MassDOT count stations on similar days in 2019. Accordingly, sensitivity analyses were conducted under the No-Build and Build conditions using traffic volumes that were increased by 65 percent to represent average-month conditions under normal operations. The detailed count station data, along with the COVID-19 adjustment calculations are provided in the Appendix. The 2027 No-Build and 2027 Build traffic volumes with the COVID-19 adjustment are shown on Figures 5 and 6, respectively.

Sensitivity Analysis Results

The results of the LOS and queue analyses for the COVID-19 sensitivity analyses are shown in Table 7 and are discussed below. The capacity and queue analysis worksheets for this condition are provided in the Appendix.

Ayers Village Road (Route 97) at 18 Ayers Village Road (Route 97) Driveway

As shown in Table 7, all movements on Ayers Village Road (Route 97) are anticipated to operate at LOS A with queues of one (1) vehicle or less waiting to enter the site driveway or 15 Ayers Village Road. With the conservative COVID-19 adjustment and the closing of the 20 Ayers Village Road driveway, the vehicles waiting to exit onto Ayers Village Road from the site or 15 Ayers Village Road will have longer delays due to the increase in traffic on Ayers Village Road (Route 97). Volume-to capacity ratios are still below 1.00, however, vehicles waiting to exit the site during the weekday PM peak hour will wait approximately one minute and a queue of three (3) to four (4) vehicles is expected on the site driveway. These vehicles can be accommodated on-site without disrupting flow into or out of the site or along Ayers Village Road (Route 97).

Ayers Village Road (Route 97) at 20 Ayers Village Road (Route 97) Driveway

As shown in Table 7, all movements are anticipated to operate at LOS A under the future Build traffic-volume conditions assuming a COVID-19 adjustment during all peak hours.

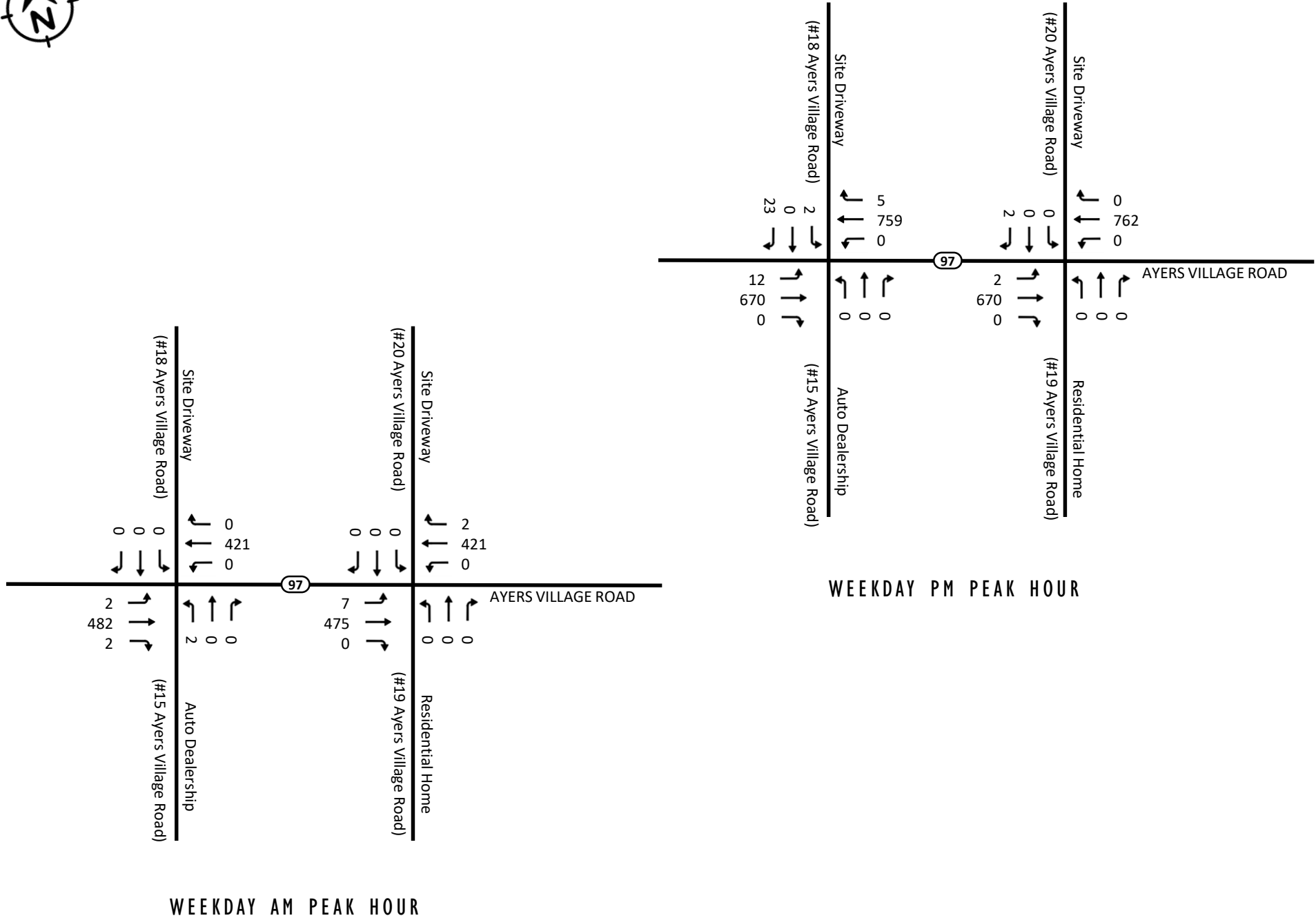


FIGURE 5

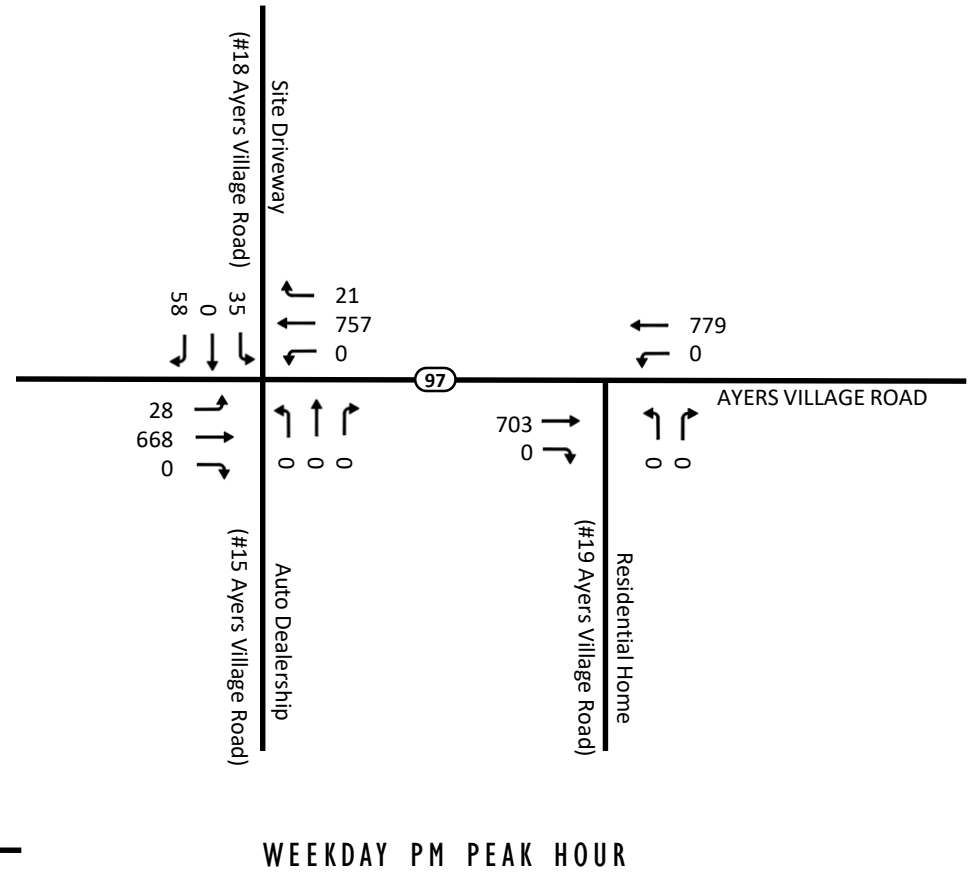
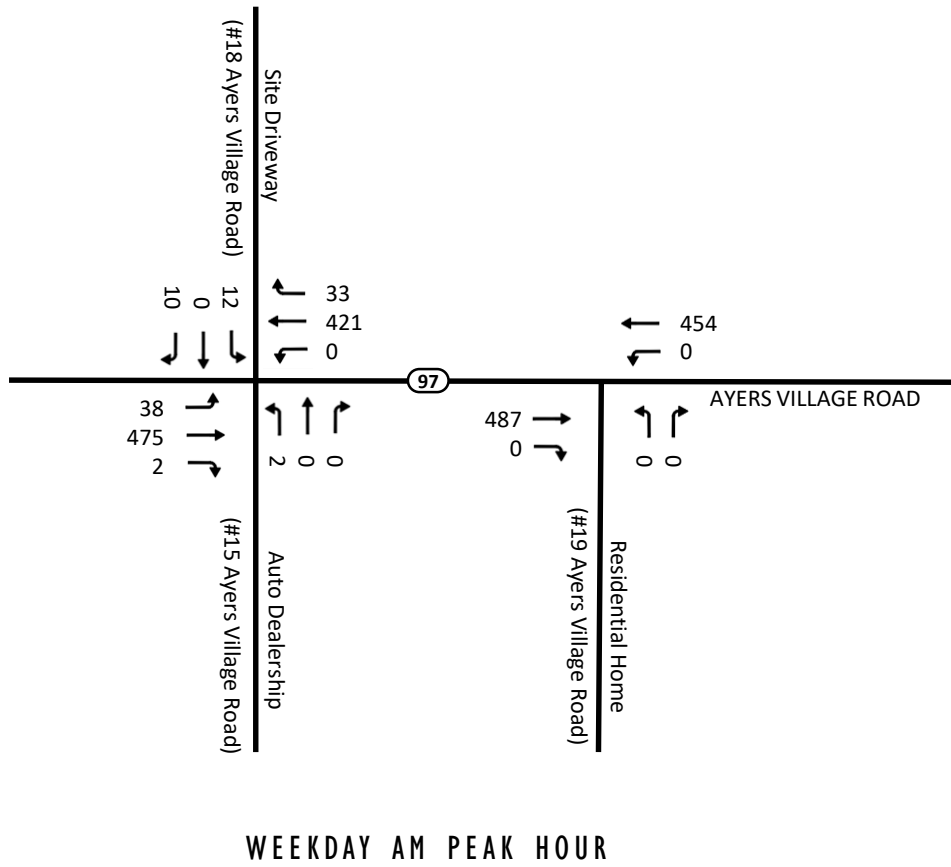


FIGURE 6

TABLE 7
Intersection Capacity Analysis Summary – With COVID-19 Adjustment

Intersection/Peak Hour/Lane Group	2027 No-Build (COVID-19 Adjustment)				2027 Build (COVID-19 Adjustment)			
	V/C ^a	Del. ^b	LOS ^c	Queue ^d	V/C	Del.	LOS	Queue
Route 97 at 18 Ayers Village Road Driveway								
<i>Weekday AM:</i>								
Route 97 EB approach	0.00	10.0	A	--/<25	0.04	8.6	A	--/<25
Route 97 WB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
15 Ayers Village Rd NB approach	0.02	29.9	D	--/<25	0.02	35.0	E	--/<25
Site Driveway SB approach	0.00	0.0	A	--/<25	0.09	19.4	C	--/<25
<i>Weekday PM:</i>								
Route 97 EB approach	0.02	9.4	A	--/<25	0.04	9.7	A	--/<25
Route 97 WB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
15 Ayers Village Rd NB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
Site Driveway SB approach	0.09	17.8	C	--/<25	0.66	65.4	F	--/<93
Route 97 at 20 Ayers Village Road Driveway								
<i>Weekday AM:</i>								
Route 97 EB approach	0.01	8.3	A	--/<25	0.00	0.0	A	--/<25
Route 97 WB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
19 Ayers Village Road NB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
Site Driveway SB approach	0.00	0.0	A	--/<25	-	-	-	--/--
<i>Weekday PM:</i>								
Route 97 EB approach	0.00	9.3	A	--/<25	0.00	0.0	A	--/<25
Route 97 WB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
19 Ayers Village Road NB approach	0.00	0.0	A	--/<25	0.00	0.0	A	--/<25
Site Driveway SB approach	0.00	14.3	B	--/<25	-	-	-	--/--

^a Volume-to-capacity ratio.

^b Average control delay in seconds per vehicle.

^c Level of service.

^d Average/95th percentile queue length in feet per lane (assuming 25 feet per vehicle).

CONCLUSIONS

Existing and future conditions in the study area have been described, analyzed, and evaluated with respect to traffic operations and the impact of the proposed contractor building development. Conclusions of this effort are presented below.

- The site is currently occupied by the Laschi's Garden Center and one residential home (20 Ayers Village Road). As part of the redevelopment, all structures in Methuen will be razed except for the 2,321 square foot (SF) sales/office building with one attached greenhouse and three (3) contractor buildings will be constructed. Each contractor building will be 10,000 SF having five (5) units each.

Access and egress to the site is currently provided via two curb cuts on Ayers Village Road; one for the garden center and one that provides access and egress to the garden center and the residential home. The residential driveway for 20 Ayers Village Road will be closed as part of the redevelopment and the driveway to the garden center will be modified to better define access into and out of the site.

- Collision data obtained by MassDOT for the latest complete five years available (2014-2018) indicated that only 3 collisions occurred within the study area.
- Available sight distances at the site driveway at 18 Ayers Village Road exceed the minimum SSD and ISD requirements for safe operation.
- The proposed contractor building development is expected to generate 50 *additional new* vehicle trips (37 entering and 13 exiting) during the weekday AM peak hour and 59 *additional new* vehicle trips (19 entering and 40 exiting) during the weekday PM peak hour. Traffic-volume increases beyond the study area during the peak hours are expected to be in the range of 24 to 30 vehicles. These increases represent, on average, one additional vehicle approximately every 2 minutes during the peak hours.
- Under all future traffic-volume conditions, all movements are anticipated to operate at LOS C or better during all peak hours. All movements are under capacity with and without the project in place and the closure of the 20 Ayers Village Road driveway.
- Assuming a 65 percent COVID-19 adjustment on all 2027 No-Build and Build traffic volumes, all movements on Ayers Village Road (Route 97) are anticipated to operate at LOS A with queues of one (1) vehicle or less waiting to enter the site driveway, 15 Ayers Village Road, or 19 Ayers Village Road. With the conservative COVID-19 adjustment and the closing of the 20 Ayers Village Road driveway, the vehicles waiting to exit onto Ayers Village Road from the site or 15 Ayers Village Road will have longer delays due to the increase in traffic on Ayers Village Road (Route 97). Volume-to-capacity ratios are still below 1.00, however, vehicles waiting to exit the site during the weekday PM peak hour will wait approximately one minute and a queue of three (3) to four (4) vehicles is expected on the site driveway. These vehicles can be accommodated on-site without disrupting flow into or out of the site or along Ayers Village Road (Route 97).

Based on the findings above, the proposed contractor building development can be safely and efficiently accommodated along the existing roadway network. No additional project-specific mitigation is warranted based on the incremental impacts of the redevelopment.

- APPENDIX

- *Traffic Count Data*
- *Traffic-Volume Adjustment Data*
 - *MassDOT Crash Data*
 - *Trip Generation Calculations*
 - *Capacity Analysis Methodology*
- *Capacity and Queue Analysis Worksheets*

TRAFFIC IMPACT AND ACCESS STUDY

Proposed Contractor Buildings – Methuen, Massachusetts

TRAFFIC-COUNT DATA



Location Map: 207614 Methuen, MA

Precision Data Industries, LLC 46 Morton Street, Framingham, MA 01702 ph: 508-875-0100 email: datarequests@pdillc.com

- (1) 48HR (v/c/s) ATR @ A
- (2) 48HR VCU-ATRs @ B and C
- (2) 6-10am/3-7pm TMCs



Client:
GPI

Engineer:
D. Halpert

Site Code:
MAX-0466019.00

Date:
Tues 9/15 thru Wed 9/16/2020

PDI Job #
207614

City, State:
Methuen, MA

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date:
Tuesday, September, 15, 2020

WB						EB						Combined					
Start Time:	15 min	60 min	15 min	60 min		Start Time:	15 min	60 min	15 min	60 min		Start Time:	15 min	60 min	15 min	60 min	
12:00 AM	1		12:00 PM	65		12:00 AM	4		12:00 PM	71		12:00 AM	5		12:00 PM	136	
12:15 AM	2		12:15 PM	63		12:15 AM	2		12:15 PM	64		12:15 AM	4		12:15 PM	127	
12:30 AM	1		12:30 PM	80		12:30 AM	6		12:30 PM	84		12:30 AM	7		12:30 PM	164	
12:45 AM	0	4	12:45 PM	64	272	12:45 AM	1	13	12:45 PM	62	281	12:45 AM	1	17	12:45 PM	126	553
1:00 AM	1		1:00 PM	73		1:00 AM	5		1:00 PM	80		1:00 AM	6		1:00 PM	153	
1:15 AM	3		1:15 PM	88		1:15 AM	1		1:15 PM	70		1:15 AM	4		1:15 PM	158	
1:30 AM	0		1:30 PM	89		1:30 AM	2		1:30 PM	82		1:30 AM	2		1:30 PM	171	
1:45 AM	2	6	1:45 PM	79	329	1:45 AM	2	10	1:45 PM	72	304	1:45 AM	4	16	1:45 PM	151	633
2:00 AM	1		2:00 PM	89		2:00 AM	2		2:00 PM	71		2:00 AM	3		2:00 PM	160	
2:15 AM	1		2:15 PM	84		2:15 AM	0		2:15 PM	73		2:15 AM	1		2:15 PM	157	
2:30 AM	0		2:30 PM	87		2:30 AM	3		2:30 PM	90		2:30 AM	3		2:30 PM	177	
2:45 AM	0	2	2:45 PM	79	339	2:45 AM	4	9	2:45 PM	92	326	2:45 AM	4	11	2:45 PM	171	665
3:00 AM	0		3:00 PM	73		3:00 AM	3		3:00 PM	84		3:00 AM	3		3:00 PM	157	
3:15 AM	2		3:15 PM	98		3:15 AM	2		3:15 PM	81		3:15 AM	4		3:15 PM	179	
3:30 AM	3		3:30 PM	108		3:30 AM	3		3:30 PM	96		3:30 AM	6		3:30 PM	204	
3:45 AM	6	11	3:45 PM	109	388	3:45 AM	5	13	3:45 PM	105	366	3:45 AM	11	24	3:45 PM	214	754
4:00 AM	2		4:00 PM	101		4:00 AM	2		4:00 PM	92		4:00 AM	4		4:00 PM	193	
4:15 AM	6		4:15 PM	116		4:15 AM	4		4:15 PM	98		4:15 AM	10		4:15 PM	214	
4:30 AM	7		4:30 PM	81		4:30 AM	8		4:30 PM	97		4:30 AM	15		4:30 PM	178	
4:45 AM	11	26	4:45 PM	103	401	4:45 AM	7	21	4:45 PM	100	387	4:45 AM	18	47	4:45 PM	203	788
5:00 AM	14		5:00 PM	85		5:00 AM	19		5:00 PM	112		5:00 AM	33		5:00 PM	197	
5:15 AM	17		5:15 PM	116		5:15 AM	18		5:15 PM	124		5:15 AM	35		5:15 PM	240	
5:30 AM	22		5:30 PM	101		5:30 AM	24		5:30 PM	92		5:30 AM	46		5:30 PM	193	
5:45 AM	24	77	5:45 PM	82	384	5:45 AM	30	91	5:45 PM	100	428	5:45 AM	54	168	5:45 PM	182	812
6:00 AM	19		6:00 PM	74		6:00 AM	38		6:00 PM	78		6:00 AM	57		6:00 PM	152	
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7:45 AM	73	236	7:45 PM	39	190	7:45 AM	66	255	7:45 PM	63	310	7:45 AM	139	491	7:45 PM	102	500
8:00 AM	52		8:00 PM	29		8:00 AM	58		8:00 PM	60		8:00 AM	110		8:00 PM	89	
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9:00 AM	43		9:00 PM	22		9:00 AM	44		9:00 PM	23		9:00 AM	87		9:00 PM	45	
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9:45 AM	65	232	9:45 PM	6	54	9:45 AM	44	191	9:45 PM	22	90	9:45 AM	109	423	9:45 PM	28	144
10:00 AM	54		10:00 PM	8		10:00 AM	53		10:00 PM	23		10:00 AM	107		10:00 PM	31	
10:15 AM	63		10:15 PM	9		10:15 AM	58		10:15 PM	7		10:15 AM	121		10:15 PM	16	
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11:15 AM	66		11:15 PM	9		11:15 AM	75		11:15 PM	2		11:15 AM	141		11:15 PM	11	
11:30 AM	77		11:30 PM	5		11:30 AM	97		11:30 PM	2		11:30 AM	174		11:30 PM	7	
11:45 AM	82	287	11:45 PM	1	24	11:45 AM	64	294	11:45 PM	8	19	11:45 AM	146	581	11:45 PM	9	43
Total	1540			2760		Total	1535			3041		Total	3075			5801	
Percent	35.81%			64.19%		Percent	33.54%			66.46%		Percent	34.64%			65.36%	
Day Total				4300		Day Total				4576		Day Total				8876	
Peak Hour	11:15 AM			3:30 PM		Peak Hour	11:15 AM			4:30 PM		Peak Hour	11:15 AM			4:45 PM	
Volume	290			434		Volume	307			433		Volume	597			833	
P.H.F.	0.884			0.935		P.H.F.	0.791			0.873		P.H.F.	0.858			0.868	

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date:
Wednesday, September, 16, 2020

Volume											
WB						EB					
Start Time:	15 min	60 min	15 min	60 min		Start Time:	15 min	60 min	15 min	60 min	
12:00 AM	4		12:00 PM	60		12:00 AM	4		12:00 PM	79	
12:15 AM	3		12:15 PM	75		12:15 AM	2		12:15 PM	61	
12:30 AM	4		12:30 PM	79		12:30 AM	2		12:30 PM	72	
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2:30 AM	0		2:30 PM	79		2:30 AM	1		2:30 PM	119	
2:45 AM	1	3	2:45 PM	73	328	2:45 AM	1	4	2:45 PM	84	379
3:00 AM	1		3:00 PM	79		3:00 AM	0		3:00 PM	89	
3:15 AM	1		3:15 PM	99		3:15 AM	2		3:15 PM	98	
3:30 AM	5		3:30 PM	105		3:30 AM	0		3:30 PM	97	
3:45 AM	5	12	3:45 PM	120	403	3:45 AM	3	5	3:45 PM	91	375
4:00 AM	2		4:00 PM	114		4:00 AM	1		4:00 PM	131	
4:15 AM	6		4:15 PM	100		4:15 AM	9		4:15 PM	114	
4:30 AM	4		4:30 PM	129		4:30 AM	7		4:30 PM	118	
4:45 AM	12	24	4:45 PM	118	461	4:45 AM	10	27	4:45 PM	90	453
5:00 AM	15		5:00 PM	105		5:00 AM	17		5:00 PM	83	
5:15 AM	10		5:15 PM	116		5:15 AM	15		5:15 PM	118	
5:30 AM	26		5:30 PM	97		5:30 AM	23		5:30 PM	102	
5:45 AM	18	69	5:45 PM	79	397	5:45 AM	34	89	5:45 PM	83	386
6:00 AM	28		6:00 PM	80		6:00 AM	31		6:00 PM	75	
6:15 AM	39		6:15 PM	72		6:15 AM	43		6:15 PM	92	
6:30 AM	54		6:30 PM	60		6:30 AM	46		6:30 PM	73	
6:45 AM	56	177	6:45 PM	47	259	6:45 AM	47	167	6:45 PM	68	308
7:00 AM	57		7:00 PM	40		7:00 AM	41		7:00 PM	84	
7:15 AM	43		7:15 PM	56		7:15 AM	63		7:15 PM	74	
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8:15 AM	40		8:15 PM	24		8:15 AM	63		8:15 PM	47	
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9:00 AM	50		9:00 PM	23		9:00 AM	52		9:00 PM	34	
9:15 AM	44		9:15 PM	21		9:15 AM	45		9:15 PM	42	
9:30 AM	64		9:30 PM	19		9:30 AM	56		9:30 PM	26	
9:45 AM	57	215	9:45 PM	14	77	9:45 AM	46	199	9:45 PM	23	125
10:00 AM	53		10:00 PM	9		10:00 AM	59		10:00 PM	17	
10:15 AM	72		10:15 PM	6		10:15 AM	54		10:15 PM	12	
10:30 AM	81		10:30 PM	12		10:30 AM	70		10:30 PM	13	
10:45 AM	70	276	10:45 PM	5	32	10:45 AM	51	234	10:45 PM	13	55
11:00 AM	68		11:00 PM	10		11:00 AM	55		11:00 PM	14	
11:15 AM	66		11:15 PM	7		11:15 AM	61		11:15 PM	4	
11:30 AM	70		11:30 PM	2		11:30 AM	58		11:30 PM	6	
11:45 AM	71	275	11:45 PM	5	24	11:45 AM	65	239	11:45 PM	6	30
Total	1503		2801			Total	1450		3110		
Percent	34.92%		65.08%			Percent	31.80%		68.20%		
Day Total		4304				Day Total		4560			
Peak Hour	10:15 AM		4:30 PM			Peak Hour	11:45 AM		3:45 PM		
Volume	291		468			Volume	277		454		
P.H.F.	0.898		0.907			P.H.F.	0.877		0.866		
WB						EB					
Start Time:	15 min	60 min	15 min	60 min		Start Time:	15 min	60 min	15 min	60 min	
12:00 AM	8		12:00 PM	139		12:00 AM	8		12:00 PM	139	
12:15 AM	5		12:15 PM	136		12:15 AM	5		12:15 PM	136	
12:30 AM	6		12:30 PM	151		12:30 AM	6		12:30 PM	151	
12:45 AM	4	23	12:45 PM	135	561	12:45 AM	4	23	12:45 PM	135	561
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1:45 AM	2	12	1:45 PM	131	560	1:45 AM	2	12	1:45 PM	131	560
2:00 AM	3		2:00 PM	196		2:00 AM	3		2:00 PM	196	
2:15 AM	1		2:15 PM	156		2:15 AM	1		2:15 PM	156	
2:30 AM	1		2:30 PM	198		2:30 AM	1		2:30 PM	198	
2:45 AM	2	7	2:45 PM	157	707	2:45 AM	2	7	2:45 PM	157	707
3:00 AM	1		3:00 PM	168		3:00 AM	1		3:00 PM	168	
3:15 AM	3		3:15 PM	197		3:15 AM	3		3:15 PM	197	
3:30 AM	5		3:30 PM	202		3:30 AM	5		3:30 PM	202	
3:45 AM	8	17	3:45 PM	211	778	3:45 AM	8	17	3:45 PM	211	778
4:00 AM	3		4:00 PM	245		4:00 AM	3		4:00 PM	245	
4:15 AM	15		4:15 PM	214		4:15 AM	15		4:15 PM	214	
4:30 AM	11		4:30 PM	247		4:30 AM	11		4:30 PM	247	
4:45 AM	22	51	4:45 PM	208	914	4:45 AM	22	51	4:45 PM	208	914
5:00 AM	32		5:00 PM	188		5:00 AM	32		5:00 PM	188	
5:15 AM	25		5:15 PM	234		5:15 AM	25		5:15 PM	234	
5:30 AM	49		5:30 PM	199		5:30 AM	49		5:30 PM	199	
5:45 AM	52	158	5:45 PM	162	783	5:45 AM	52	158	5:45 PM	162	783
6:00 AM	59		6:00 PM	155		6:00 AM	59		6:00 PM	155	
6:15 AM	82		6:15 PM	164		6:15 AM	82		6:15 PM	164	
6:30 AM	100		6:30 PM	133		6:30 AM	100		6:30 PM	133	
6:45 AM	103	344	6:45 PM	115	567	6:45 AM	103	344	6:45 PM	115	567
7:00 AM	98		7:00 PM	124		7:00 AM	98		7:00 PM	124	
7:15 AM	106		7:15 PM	130		7:15 AM	106		7:15 PM	130	
7:30 AM	110		7:30 PM	79		7:30 AM	110		7:30 PM	79	
7:45 AM	124	438	7:45 PM	91	424	7:45 AM	124	438	7:45 PM	91	424
8:00 AM	135		8:00 PM	74		8:00 AM	135		8:00 PM	74	
8:15 AM	103		8:15 PM	71		8:15 AM	103		8:15 PM	71	
8:30 AM	122		8:30 PM	67		8:30 AM	122		8:30 PM	67	
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9:00 AM	102		9:00 PM	57		9:00 AM	102		9:00 PM	57	
9:15 AM	89		9:15 PM	63		9:15 AM	89		9:15 PM	63	
9:30 AM	120		9:30 PM	45		9:30 AM	120		9:30 PM	45	
9:45 AM	103	414	9:45 PM	37	202	9:45 AM	103	414	9:45 PM	37	202
10:00 AM	112		10:00 PM	26		10:00 AM	112		10:00 PM	26	
10:15 AM	126		10:15 PM	18		10:15 AM	126		10:15 PM	18	
10:30 AM	151		10:30 PM	25		10:30 AM	151		10:30 PM	25	
10:45 AM	121	510	10:45 PM	18	87	10:45 AM	121	510	10:45 PM	18	87
11:00 AM	123		11:00 PM	24		11:00 AM	123		11:00 PM	24	
11:15 AM	127		11:15 PM	11		11:15 AM	127		11:15 PM	11	
11:30 AM	128		11:30 PM	8		11:30 AM	128		11:30 PM	8	
11:45 AM	136	514	11:45 PM	11	54	11:45 AM	136	514	11:45 PM	11	54
Total	2953		5911			Total	2953		5911		
Percent	33.31%		66.69%			Percent	33.31%		66.69%		
Day Total		8864				Day Total		8864			
Peak Hour	11:45 AM		3:45 PM			Peak Hour	11:45 AM		3:45 PM		
Volume	562		917			Volume	562		917		
P.H.F.	0.930		0.928			P.H.F.	0.930		0.928		

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Tuesday, September, 15, 2020

Classification (60-minute)

WB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	4	0	0	0	0	0	0	0	0	0	0	0	4
1:00 AM	0	5	0	0	1	0	0	0	0	0	0	0	0	6
2:00 AM	0	2	0	0	0	0	0	0	0	0	0	0	0	2
3:00 AM	0	9	1	0	0	1	0	0	0	0	0	0	0	11
4:00 AM	0	20	5	0	0	1	0	0	0	0	0	0	0	26
5:00 AM	0	58	14	0	3	0	0	0	2	0	0	0	0	77
6:00 AM	0	125	36	0	10	1	0	0	0	0	0	0	0	172
7:00 AM	0	174	47	1	9	3	0	1	1	0	0	0	0	236
8:00 AM	0	181	39	3	10	1	0	2	0	0	0	0	0	236
9:00 AM	0	191	30	4	3	0	0	1	3	0	0	0	0	232
10:00 AM	1	208	29	4	6	0	0	2	1	0	0	0	0	251
11:00 AM	4	231	41	2	7	0	0	1	0	1	0	0	0	287
12:00 PM	1	218	37	4	10	0	0	0	2	0	0	0	0	272
1:00 PM	4	254	52	0	12	2	0	4	1	0	0	0	0	329
2:00 PM	0	262	64	0	11	2	0	0	0	0	0	0	0	339
3:00 PM	5	298	70	2	9	0	1	3	0	0	0	0	0	388
4:00 PM	8	306	76	0	9	2	0	0	0	0	0	0	0	401
5:00 PM	8	314	46	2	12	1	0	1	0	0	0	0	0	384
6:00 PM	3	209	28	0	4	2	0	0	0	0	0	0	0	246
7:00 PM	0	149	33	0	6	1	0	1	0	0	0	0	0	190
8:00 PM	0	80	17	0	3	0	0	0	0	0	0	0	0	100
9:00 PM	0	47	6	0	1	0	0	0	0	0	0	0	0	54
10:00 PM	0	26	6	0	1	0	0	0	0	0	0	0	0	33
11:00 PM	0	19	5	0	0	0	0	0	0	0	0	0	0	24
Total	34	3390	682	22	127	17	1	16	10	1	0	0	0	4300
Percent	0.79%	78.84%	15.86%	0.51%	2.95%	0.40%	0.02%	0.37%	0.23%	0.02%	0.00%	0.00%	0.00%	

AM Peak	11:00 AM	11:00 AM	7:00 AM	9:00 AM	6:00 AM	7:00 AM		8:00 AM	9:00 AM	11:00 AM				11:00 AM
Volume	4	231	47	4	10	3	0	2	3	1	0	0	0	287
PM Peak	4:00 PM	5:00 PM	4:00 PM	12:00 PM	1:00 PM	1:00 PM	3:00 PM	1:00 PM	12:00 PM					4:00 PM
Volume	8	314	76	4	12	2	1	4	2	0	0	0	0	401

Cycles:	34	0.8%
Cars and Light Trucks:	4072	94.7%
Heavy Vehicles:	194	4.5%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Tuesday, September, 15, 2020

Classification (60-minute)

EB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	13	0	0	0	0	0	0	0	0	0	0	0	13
1:00 AM	0	7	2	0	1	0	0	0	0	0	0	0	0	10
2:00 AM	0	6	2	0	0	1	0	0	0	0	0	0	0	9
3:00 AM	0	11	2	0	0	0	0	0	0	0	0	0	0	13
4:00 AM	0	15	3	1	2	0	0	0	0	0	0	0	0	21
5:00 AM	0	53	33	0	2	2	0	1	0	0	0	0	0	91
6:00 AM	3	116	49	2	8	1	0	0	0	0	0	0	0	179
7:00 AM	0	180	59	0	11	0	0	4	1	0	0	0	0	255
8:00 AM	1	169	47	2	6	0	0	3	1	0	0	0	0	229
9:00 AM	0	145	36	2	7	0	0	1	0	0	0	0	0	191
10:00 AM	2	185	30	3	7	1	0	0	1	1	0	0	0	230
11:00 AM	0	244	35	6	7	1	0	0	0	1	0	0	0	294
12:00 PM	0	234	37	1	6	1	0	1	0	1	0	0	0	281
1:00 PM	1	239	54	1	6	1	0	2	0	0	0	0	0	304
2:00 PM	2	257	49	1	9	4	0	2	0	2	0	0	0	326
3:00 PM	2	292	58	1	11	1	0	0	1	0	0	0	0	366
4:00 PM	0	318	61	0	6	1	0	1	0	0	0	0	0	387
5:00 PM	1	365	59	0	2	0	0	1	0	0	0	0	0	428
6:00 PM	0	245	30	0	5	2	0	1	0	0	0	0	0	283
7:00 PM	1	261	42	0	4	1	0	0	1	0	0	0	0	310
8:00 PM	1	169	23	0	2	1	0	0	0	0	0	0	0	196
9:00 PM	0	82	7	0	1	0	0	0	0	0	0	0	0	90
10:00 PM	1	43	7	0	0	0	0	0	0	0	0	0	0	51
11:00 PM	0	19	0	0	0	0	0	0	0	0	0	0	0	19
PM Total	15	3668	725	20	103	18	0	17	5	5	0	0	0	4576
Percent	0.33%	80.16%	15.84%	0.44%	2.25%	0.39%	0.00%	0.37%	0.11%	0.11%	0.00%	0.00%	0.00%	
AM Peak	6:00 AM	11:00 AM	7:00 AM	11:00 AM	7:00 AM	5:00 AM		7:00 AM	7:00 AM	10:00 AM				11:00 AM
Volume	3	244	59	6	11	2	0	4	1	1	0	0	0	294
PM Peak	2:00 PM	5:00 PM	4:00 PM	12:00 PM	3:00 PM	2:00 PM		1:00 PM	3:00 PM	2:00 PM				5:00 PM
Volume	2	365	61	1	11	4	0	2	1	2	0	0	0	428

Cycles:	15	0.3%
Cars and Light Trucks:	4393	96.0%
Heavy Vehicles:	168	3.7%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Tuesday, September, 15, 2020

Classification (60-minute)

Combined														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	17	0	0	0	0	0	0	0	0	0	0	0	17
1:00 AM	0	12	2	0	2	0	0	0	0	0	0	0	0	16
2:00 AM	0	8	2	0	0	1	0	0	0	0	0	0	0	11
3:00 AM	0	20	3	0	0	1	0	0	0	0	0	0	0	24
4:00 AM	0	35	8	1	2	1	0	0	0	0	0	0	0	47
5:00 AM	0	111	47	0	5	2	0	1	2	0	0	0	0	168
6:00 AM	3	241	85	2	18	2	0	0	0	0	0	0	0	351
7:00 AM	0	354	106	1	20	3	0	5	2	0	0	0	0	491
8:00 AM	1	350	86	5	16	1	0	5	1	0	0	0	0	465
9:00 AM	0	336	66	6	10	0	0	2	3	0	0	0	0	423
10:00 AM	3	393	59	7	13	1	0	2	2	1	0	0	0	481
11:00 AM	4	475	76	8	14	1	0	1	0	2	0	0	0	581
12:00 PM	1	452	74	5	16	1	0	1	2	1	0	0	0	553
1:00 PM	5	493	106	1	18	3	0	6	1	0	0	0	0	633
2:00 PM	2	519	113	1	20	6	0	2	0	2	0	0	0	665
3:00 PM	7	590	128	3	20	1	1	3	1	0	0	0	0	754
4:00 PM	8	624	137	0	15	3	0	1	0	0	0	0	0	788
5:00 PM	9	679	105	2	14	1	0	2	0	0	0	0	0	812
6:00 PM	3	454	58	0	9	4	0	1	0	0	0	0	0	529
7:00 PM	1	410	75	0	10	2	0	1	1	0	0	0	0	500
8:00 PM	1	249	40	0	5	1	0	0	0	0	0	0	0	296
9:00 PM	0	129	13	0	2	0	0	0	0	0	0	0	0	144
10:00 PM	1	69	13	0	1	0	0	0	0	0	0	0	0	84
11:00 PM	0	38	5	0	0	0	0	0	0	0	0	0	0	43
PM Total	49	7058	1407	42	230	35	1	33	15	6	0	0	0	8876
Percent	0.55%	79.52%	15.85%	0.47%	2.59%	0.39%	0.01%	0.37%	0.17%	0.07%	0.00%	0.00%	0.00%	

AM Peak	11:00 AM	11:00 AM	7:00 AM	11:00 AM	7:00 AM	7:00 AM		7:00 AM	9:00 AM	11:00 AM				11:00 AM
Volume	4	475	106	8	20	3	0	5	3	2	0	0	0	581
PM Peak	5:00 PM	5:00 PM	4:00 PM	12:00 PM	2:00 PM	2:00 PM	3:00 PM	1:00 PM	12:00 PM	2:00 PM				5:00 PM
Volume	9	679	137	5	20	6	1	6	2	2	0	0	0	812

Cycles:	49	0.6%
Cars and Light Trucks:	8465	95.4%
Heavy Vehicles:	362	4.1%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

Classification (60-minute)

WB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	11	1	0	0	0	0	0	0	0	0	0	0	12
1:00 AM	0	4	1	0	0	0	0	0	0	0	0	0	0	5
2:00 AM	0	2	0	0	1	0	0	0	0	0	0	0	0	3
3:00 AM	0	8	4	0	0	0	0	0	0	0	0	0	0	12
4:00 AM	0	17	5	1	1	0	0	0	0	0	0	0	0	24
5:00 AM	0	45	19	0	3	1	0	0	1	0	0	0	0	69
6:00 AM	0	133	32	1	7	1	0	2	1	0	0	0	0	177
7:00 AM	0	156	39	1	10	2	0	3	2	0	0	0	0	213
8:00 AM	0	170	38	1	6	0	1	1	5	0	0	0	0	222
9:00 AM	2	171	30	1	6	1	0	2	2	0	0	0	0	215
10:00 AM	0	230	36	0	7	1	0	0	2	0	0	0	0	276
11:00 AM	0	221	36	3	11	0	0	2	2	0	0	0	0	275
12:00 PM	1	236	41	2	4	1	0	0	1	0	0	0	0	286
1:00 PM	2	218	41	3	9	2	0	0	1	0	0	0	0	276
2:00 PM	3	263	43	1	10	2	0	3	3	0	0	0	0	328
3:00 PM	2	317	70	1	12	1	0	0	0	0	0	0	0	403
4:00 PM	5	358	83	0	12	1	0	2	0	0	0	0	0	461
5:00 PM	4	315	62	1	12	0	0	2	0	1	0	0	0	397
6:00 PM	6	219	29	0	4	1	0	0	0	0	0	0	0	259
7:00 PM	4	128	19	0	10	0	0	2	0	0	0	0	0	163
8:00 PM	0	82	10	0	3	0	0	0	0	0	0	0	0	95
9:00 PM	0	66	8	0	3	0	0	0	0	0	0	0	0	77
10:00 PM	0	26	4	0	2	0	0	0	0	0	0	0	0	32
11:00 PM	0	19	4	0	0	1	0	0	0	0	0	0	0	24
Total	29	3415	655	16	133	15	1	19	20	1	0	0	0	4304
Percent	0.67%	79.34%	15.22%	0.37%	3.09%	0.35%	0.02%	0.44%	0.46%	0.02%	0.00%	0.00%	0.00%	

AM Peak	9:00 AM	10:00 AM	7:00 AM	11:00 AM	11:00 AM	7:00 AM	8:00 AM	7:00 AM	8:00 AM					10:00 AM
Volume	2	230	39	3	11	2	1	3	5	0	0	0	0	276
PM Peak	6:00 PM	4:00 PM	4:00 PM	1:00 PM	3:00 PM	1:00 PM		2:00 PM	2:00 PM	5:00 PM				4:00 PM
Volume	6	358	83	3	12	2	0	3	3	1	0	0	0	461

Cycles:	29	0.7%
Cars and Light Trucks:	4070	94.6%
Heavy Vehicles:	205	4.8%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

Classification (60-minute)

EB														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	10	1	0	0	0	0	0	0	0	0	0	0	11
1:00 AM	0	6	1	0	0	0	0	0	0	0	0	0	0	7
2:00 AM	0	2	1	0	1	0	0	0	0	0	0	0	0	4
3:00 AM	0	4	1	0	0	0	0	0	0	0	0	0	0	5
4:00 AM	0	17	7	0	1	2	0	0	0	0	0	0	0	27
5:00 AM	1	52	33	0	3	0	0	0	0	0	0	0	0	89
6:00 AM	1	104	48	1	12	1	0	0	0	0	0	0	0	167
7:00 AM	0	171	44	1	4	1	1	2	1	0	0	0	0	225
8:00 AM	1	170	49	2	12	0	2	2	4	1	0	0	0	243
9:00 AM	0	156	35	1	4	0	0	1	1	1	0	0	0	199
10:00 AM	1	185	37	2	3	1	0	2	2	1	0	0	0	234
11:00 AM	1	196	34	1	5	1	0	0	0	1	0	0	0	239
12:00 PM	2	221	44	1	6	0	1	0	0	0	0	0	0	275
1:00 PM	3	242	31	1	2	3	0	0	0	2	0	0	0	284
2:00 PM	0	311	54	1	10	1	1	0	0	1	0	0	0	379
3:00 PM	2	292	67	1	8	1	0	1	2	1	0	0	0	375
4:00 PM	6	370	67	1	7	1	0	1	0	0	0	0	0	453
5:00 PM	1	324	50	1	9	0	0	1	0	0	0	0	0	386
6:00 PM	1	274	32	0	1	0	0	0	0	0	0	0	0	308
7:00 PM	4	215	36	0	4	2	0	0	0	0	0	0	0	261
8:00 PM	1	150	26	0	2	0	0	0	0	0	0	0	0	179
9:00 PM	0	113	8	0	4	0	0	0	0	0	0	0	0	125
10:00 PM	0	47	8	0	0	0	0	0	0	0	0	0	0	55
11:00 PM	0	26	3	0	1	0	0	0	0	0	0	0	0	30
PM Total	25	3658	717	14	99	14	5	10	10	8	0	0	0	4560
Percent	0.55%	80.22%	15.72%	0.31%	2.17%	0.31%	0.11%	0.22%	0.22%	0.18%	0.00%	0.00%	0.00%	

AM Peak	5:00 AM	11:00 AM	8:00 AM	8:00 AM	6:00 AM	4:00 AM	8:00 AM	7:00 AM	8:00 AM	8:00 AM				8:00 AM
Volume	1	196	49	2	12	2	2	2	4	1	0	0	0	243
PM Peak	4:00 PM	4:00 PM	3:00 PM	12:00 PM	2:00 PM	1:00 PM	12:00 PM	3:00 PM	3:00 PM	1:00 PM				4:00 PM
Volume	6	370	67	1	10	3	1	1	2	2	0	0	0	453

Cycles:	25	0.5%
Cars and Light Trucks:	4375	95.9%
Heavy Vehicles:	160	3.5%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

Classification (60-minute)

Combined														
Start Time:	Cycles	Cars and Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axle Double	5 Axle Double	>6 Axle Double	<6 Axle Multi	6 Axle Multi	>6 Axle Multi	Total
12:00 AM	0	21	2	0	0	0	0	0	0	0	0	0	0	23
1:00 AM	0	10	2	0	0	0	0	0	0	0	0	0	0	12
2:00 AM	0	4	1	0	2	0	0	0	0	0	0	0	0	7
3:00 AM	0	12	5	0	0	0	0	0	0	0	0	0	0	17
4:00 AM	0	34	12	1	2	2	0	0	0	0	0	0	0	51
5:00 AM	1	97	52	0	6	1	0	0	1	0	0	0	0	158
6:00 AM	1	237	80	2	19	2	0	2	1	0	0	0	0	344
7:00 AM	0	327	83	2	14	3	1	5	3	0	0	0	0	438
8:00 AM	1	340	87	3	18	0	3	3	9	1	0	0	0	465
9:00 AM	2	327	65	2	10	1	0	3	3	1	0	0	0	414
10:00 AM	1	415	73	2	10	2	0	2	4	1	0	0	0	510
11:00 AM	1	417	70	4	16	1	0	2	2	1	0	0	0	514
12:00 PM	3	457	85	3	10	1	1	0	1	0	0	0	0	561
1:00 PM	5	460	72	4	11	5	0	0	1	2	0	0	0	560
2:00 PM	3	574	97	2	20	3	1	3	3	1	0	0	0	707
3:00 PM	4	609	137	2	20	2	0	1	2	1	0	0	0	778
4:00 PM	11	728	150	1	19	2	0	3	0	0	0	0	0	914
5:00 PM	5	639	112	2	21	0	0	3	0	1	0	0	0	783
6:00 PM	7	493	61	0	5	1	0	0	0	0	0	0	0	567
7:00 PM	8	343	55	0	14	2	0	2	0	0	0	0	0	424
8:00 PM	1	232	36	0	5	0	0	0	0	0	0	0	0	274
9:00 PM	0	179	16	0	7	0	0	0	0	0	0	0	0	202
10:00 PM	0	73	12	0	2	0	0	0	0	0	0	0	0	87
11:00 PM	0	45	7	0	1	1	0	0	0	0	0	0	0	54
PM Total	54	7073	1372	30	232	29	6	29	30	9	0	0	0	8864
Percent	0.61%	79.79%	15.48%	0.34%	2.62%	0.33%	0.07%	0.33%	0.34%	0.10%	0.00%	0.00%	0.00%	

AM Peak	9:00 AM	11:00 AM	8:00 AM	11:00 AM	6:00 AM	7:00 AM	8:00 AM	7:00 AM	8:00 AM	8:00 AM				11:00 AM
Volume	2	417	87	4	19	3	3	5	9	1	0	0	0	514
PM Peak	4:00 PM	4:00 PM	4:00 PM	1:00 PM	5:00 PM	1:00 PM	12:00 PM	2:00 PM	2:00 PM	1:00 PM				4:00 PM
Volume	11	728	150	4	21	5	1	3	3	2	0	0	0	914

Cycles:	54	0.6%
Cars and Light Trucks:	8445	95.3%
Heavy Vehicles:	365	4.1%

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Tuesday, September, 15, 2020

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	0	0	0	1	2	1	0	0	0	0	0	0	4	40.1	37.5
1:00 AM	0	0	0	0	1	2	3	0	0	0	0	0	0	6	42.0	38.5
2:00 AM	0	0	0	0	0	0	2	0	0	0	0	0	0	2	40.9	40.5
3:00 AM	0	0	0	0	0	8	3	0	0	0	0	0	0	11	41.5	38.8
4:00 AM	0	0	0	0	4	11	10	0	0	1	0	0	0	26	41.3	39.0
5:00 AM	0	0	0	2	9	37	27	2	0	0	0	0	0	77	41.0	38.0
6:00 AM	0	0	0	1	33	101	35	2	0	0	0	0	0	172	40.0	37.2
7:00 AM	0	0	1	7	40	146	41	1	0	0	0	0	0	236	40.0	36.7
8:00 AM	0	0	1	5	52	150	26	2	0	0	0	0	0	236	39.0	36.3
9:00 AM	0	0	1	3	70	136	21	1	0	0	0	0	0	232	39.0	35.7
10:00 AM	0	0	1	7	72	142	28	1	0	0	0	0	0	251	39.0	35.8
11:00 AM	1	0	2	22	79	154	27	2	0	0	0	0	0	287	39.0	35.2
12:00 PM	0	0	0	6	80	160	25	1	0	0	0	0	0	272	39.0	35.8
1:00 PM	2	0	0	19	100	177	27	4	0	0	0	0	0	329	39.0	35.3
2:00 PM	0	0	0	10	109	186	34	0	0	0	0	0	0	339	39.0	35.5
3:00 PM	1	1	6	17	109	205	47	2	0	0	0	0	0	388	39.0	35.4
4:00 PM	1	2	8	15	127	204	41	3	0	0	0	0	0	401	39.0	35.2
5:00 PM	0	0	0	3	93	235	49	3	0	1	0	0	0	384	39.0	36.3
6:00 PM	0	0	0	0	73	138	34	1	0	0	0	0	0	246	39.0	36.3
7:00 PM	0	0	2	8	60	88	29	3	0	0	0	0	0	190	40.0	35.8
8:00 PM	0	0	1	0	27	48	24	0	0	0	0	0	0	100	41.0	36.8
9:00 PM	0	0	0	0	6	30	16	2	0	0	0	0	0	54	41.1	38.3
10:00 PM	0	0	0	0	5	23	5	0	0	0	0	0	0	33	39.2	36.7
11:00 PM	0	0	0	0	3	9	11	1	0	0	0	0	0	24	42.0	38.7
Total	5	3	23	125	1153	2392	566	31	0	2	0	0	0	4300	39.0	36.0
Percent	0.12%	0.07%	0.53%	2.91%	26.81%	55.63%	13.16%	0.72%	0.00%	0.05%	0.00%	0.00%	0.00%			

AM Peak	11:00 AM		11:00 AM	11:00 AM	11:00 AM	11:00 AM	7:00 AM	5:00 AM		4:00 AM				11:00 AM
Volume	1	0	2	22	79	154	41	2	0	1	0	0	0	287
PM Peak	1:00 PM	4:00 PM	4:00 PM	1:00 PM	4:00 PM	5:00 PM	5:00 PM	1:00 PM		5:00 PM				4:00 PM
Volume	2	2	8	19	127	235	49	4	0	1	0	0	0	401

15th Percentile:	33.0 MPH	Average Speed:	36.0 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	2468
85th Percentile:	39.0 MPH	Number in Pace:	3726	Percent of Vehicles > 35 MPH:	57.4%
95th Percentile:	41.0 MPH	Percent in Pace:	86.7%		

Ayers Village Road
 east of Laschi East Driveway
 City, State: Methuen, MA
 Client: GPI/ D. Halpert
 Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
 Tuesday, September, 15, 2020

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	4	5	3	1	0	0	0	0	0	13	41.6	37.3
1:00 AM	0	0	0	0	2	5	3	0	0	0	0	0	0	10	40.7	37.1
2:00 AM	0	0	0	0	1	3	2	3	0	0	0	0	0	9	46.0	41.0
3:00 AM	0	0	0	0	1	6	4	2	0	0	0	0	0	13	43.4	39.4
4:00 AM	0	0	0	0	1	10	5	3	1	1	0	0	0	21	46.0	41.0
5:00 AM	0	0	0	4	19	46	22	0	0	0	0	0	0	91	41.0	36.9
6:00 AM	0	0	0	3	50	88	33	5	0	0	0	0	0	179	41.0	36.6
7:00 AM	0	0	0	7	74	144	30	0	0	0	0	0	0	255	39.0	36.0
8:00 AM	0	0	0	3	69	128	26	2	1	0	0	0	0	229	39.0	36.2
9:00 AM	0	0	1	6	63	102	17	2	0	0	0	0	0	191	39.0	35.5
10:00 AM	0	0	1	12	88	116	13	0	0	0	0	0	0	230	38.0	34.9
11:00 AM	0	0	0	20	112	145	16	1	0	0	0	0	0	294	38.0	34.7
12:00 PM	0	0	0	18	110	132	20	0	1	0	0	0	0	281	38.0	34.7
1:00 PM	1	1	3	16	140	119	22	2	0	0	0	0	0	304	38.0	34.3
2:00 PM	0	0	1	18	125	159	22	1	0	0	0	0	0	326	38.0	34.8
3:00 PM	0	0	0	12	165	167	20	2	0	0	0	0	0	366	38.0	34.8
4:00 PM	1	0	0	18	151	199	17	1	0	0	0	0	0	387	38.0	34.9
5:00 PM	0	0	1	12	107	247	56	4	1	0	0	0	0	428	39.0	36.2
6:00 PM	0	1	0	5	119	142	14	2	0	0	0	0	0	283	38.0	35.1
7:00 PM	0	1	0	11	129	145	23	0	1	0	0	0	0	310	38.0	34.9
8:00 PM	0	0	0	8	67	95	23	2	1	0	0	0	0	196	39.0	35.7
9:00 PM	0	0	0	4	27	46	12	1	0	0	0	0	0	90	39.0	35.8
10:00 PM	0	0	0	1	8	28	11	2	1	0	0	0	0	51	41.0	37.6
11:00 PM	0	0	0	1	7	7	3	0	1	0	0	0	0	19	40.3	36.5
Total	2	3	7	179	1639	2284	417	36	8	1	0	0	0	4576	39.0	35.4
Percent	0.04%	0.07%	0.15%	3.91%	35.82%	49.91%	9.11%	0.79%	0.17%	0.02%	0.00%	0.00%	0.00%			

AM Peak
 Volume 0 0 1 20 112 145 33 5 1 1 0 0 0 294

PM Peak
 Volume 1 1 3 18 165 247 56 4 1 0 0 0 0 428

15th Percentile:	32.0 MPH	Average Speed:	35.4 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	35.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	2151
85th Percentile:	39.0 MPH	Number in Pace:	3940	Percent of Vehicles > 35 MPH:	47.0%
95th Percentile:	41.0 MPH	Percent in Pace:	86.1%		

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Tuesday, September, 15, 2020

Speed (60-minute) Combined WB and 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	5	7	4	1	0	0	0	0	0	17	41.0	37.4
1:00 AM	0	0	0	0	3	7	6	0	0	0	0	0	0	16	41.0	37.6
2:00 AM	0	0	0	0	1	3	4	3	0	0	0	0	0	11	46.0	40.9
3:00 AM	0	0	0	0	1	14	7	2	0	0	0	0	0	24	43.0	39.1
4:00 AM	0	0	0	0	5	21	15	3	1	2	0	0	0	47	43.1	39.9
5:00 AM	0	0	0	6	28	83	49	2	0	0	0	0	0	168	41.0	37.4
6:00 AM	0	0	0	4	83	189	68	7	0	0	0	0	0	351	41.0	36.9
7:00 AM	0	0	1	14	114	290	71	1	0	0	0	0	0	491	39.0	36.3
8:00 AM	0	0	1	8	121	278	52	4	1	0	0	0	0	465	39.0	36.2
9:00 AM	0	0	2	9	133	238	38	3	0	0	0	0	0	423	39.0	35.6
10:00 AM	0	0	2	19	160	258	41	1	0	0	0	0	0	481	38.0	35.4
11:00 AM	1	0	2	42	191	299	43	3	0	0	0	0	0	581	38.0	34.9
12:00 PM	0	0	0	24	190	292	45	1	1	0	0	0	0	553	39.0	35.2
1:00 PM	3	1	3	35	240	296	49	6	0	0	0	0	0	633	38.0	34.8
2:00 PM	0	0	1	28	234	345	56	1	0	0	0	0	0	665	38.0	35.2
3:00 PM	1	1	6	29	274	372	67	4	0	0	0	0	0	754	38.0	35.1
4:00 PM	2	2	8	33	278	403	58	4	0	0	0	0	0	788	38.0	35.0
5:00 PM	0	0	1	15	200	482	105	7	1	1	0	0	0	812	39.0	36.3
6:00 PM	0	1	0	5	192	280	48	3	0	0	0	0	0	529	38.0	35.6
7:00 PM	0	1	2	19	189	233	52	3	1	0	0	0	0	500	39.0	35.2
8:00 PM	0	0	1	8	94	143	47	2	1	0	0	0	0	296	40.0	36.1
9:00 PM	0	0	0	4	33	76	28	3	0	0	0	0	0	144	40.0	36.8
10:00 PM	0	0	0	1	13	51	16	2	1	0	0	0	0	84	40.0	37.2
11:00 PM	0	0	0	1	10	16	14	1	1	0	0	0	0	43	41.7	37.7
Total	7	6	30	304	2792	4676	983	67	8	3	0	0	0	8876	39.0	35.6
Percent	0.08%	0.07%	0.34%	3.42%	31.46%	52.68%	11.07%	0.75%	0.09%	0.03%	0.00%	0.00%	0.00%			

AM Peak	11:00 AM		9:00 AM	11:00 AM	11:00 AM	11:00 AM	7:00 AM	6:00 AM	4:00 AM	4:00 AM				11:00 AM
Volume	1	0	2	42	191	299	71	7	1	2	0	0	0	581
PM Peak	1:00 PM	4:00 PM	4:00 PM	1:00 PM	4:00 PM	5:00 PM	5:00 PM	5:00 PM	12:00 PM	5:00 PM				5:00 PM
Volume	3	2	8	35	278	482	105	7	1	1	0	0	0	812

15th Percentile:	32.0 MPH	Average Speed:	35.6 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	4619
85th Percentile:	39.0 MPH	Number in Pace:	7666	Percent of Vehicles > 35 MPH:	52.0%
95th Percentile:	41.0 MPH	Percent in Pace:	86.4%		

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

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	0	0	0	3	7	2	0	0	0	0	0	0	12	39.4	36.3
1:00 AM	0	0	0	1	1	2	0	1	0	0	0	0	0	5	41.4	36.4
2:00 AM	0	0	0	0	0	2	0	1	0	0	0	0	0	3	43.3	40.0
3:00 AM	0	0	0	1	1	5	3	2	0	0	0	0	0	12	44.4	38.8
4:00 AM	0	0	0	0	2	8	12	1	0	1	0	0	0	24	43.1	40.2
5:00 AM	0	0	0	1	10	28	21	7	1	1	0	0	0	69	44.0	39.2
6:00 AM	0	0	0	1	44	98	30	4	0	0	0	0	0	177	40.0	36.8
7:00 AM	0	0	0	4	52	126	29	2	0	0	0	0	0	213	39.0	36.5
8:00 AM	0	0	0	2	59	129	30	2	0	0	0	0	0	222	39.0	36.2
9:00 AM	1	0	3	6	55	108	37	4	1	0	0	0	0	215	40.0	36.1
10:00 AM	0	1	0	11	74	148	39	3	0	0	0	0	0	276	39.8	36.1
11:00 AM	0	0	0	6	84	157	26	2	0	0	0	0	0	275	39.0	35.7
12:00 PM	0	0	2	7	75	167	33	2	0	0	0	0	0	286	39.0	36.0
1:00 PM	1	0	5	63	102	96	9	0	0	0	0	0	0	276	37.0	32.6
2:00 PM	0	0	5	33	97	153	37	3	0	0	0	0	0	328	39.0	34.9
3:00 PM	0	0	3	19	118	199	62	2	0	0	0	0	0	403	40.0	35.8
4:00 PM	1	0	2	15	138	263	40	1	0	0	0	0	1	461	39.0	35.6
5:00 PM	0	1	2	15	100	230	48	1	0	0	0	0	0	397	39.0	35.8
6:00 PM	0	0	0	2	68	144	42	3	0	0	0	0	0	259	40.0	36.6
7:00 PM	0	0	1	6	47	81	28	0	0	0	0	0	0	163	40.0	36.0
8:00 PM	0	0	0	1	22	52	19	1	0	0	0	0	0	95	40.0	36.6
9:00 PM	0	0	0	1	16	32	23	5	0	0	0	0	0	77	41.0	37.8
10:00 PM	0	0	0	1	2	20	6	3	0	0	0	0	0	32	42.0	38.2
11:00 PM	0	0	0	0	3	11	5	3	1	1	0	0	0	24	45.6	39.8
Total	3	2	23	196	1173	2266	581	53	3	3	0	0	1	4304	39.0	35.9
Percent	0.07%	0.05%	0.53%	4.55%	27.25%	52.65%	13.50%	1.23%	0.07%	0.07%	0.00%	0.00%	0.02%			

AM Peak 9:00 AM 10:00 AM 9:00 AM 10:00 AM 11:00 AM 11:00 AM 10:00 AM 5:00 AM 5:00 AM 4:00 AM 10:00 AM
Volume 1 1 3 11 84 157 39 7 1 1 0 0 0 276

PM Peak 1:00 PM 5:00 PM 1:00 PM 1:00 PM 4:00 PM 4:00 PM 3:00 PM 9:00 PM 11:00 PM 11:00 PM 4:00 PM 4:00 PM
Volume 1 1 5 63 138 263 62 5 1 1 0 0 1 461

15th Percentile:	32.0 MPH	Average Speed:	35.9 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	32 to 41 MPH	Number of Vehicles > 35 MPH:	2402
85th Percentile:	39.0 MPH	Number in Pace:	3566	Percent of Vehicles > 35 MPH:	55.8%
95th Percentile:	42.0 MPH	Percent in Pace:	82.9%		

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

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	2	8	1	0	0	0	0	0	0	11	39.0	37.0
1:00 AM	0	0	0	1	1	3	1	1	0	0	0	0	0	7	40.6	36.6
2:00 AM	0	0	0	0	0	2	1	1	0	0	0	0	0	4	42.8	39.3
3:00 AM	0	0	0	0	0	1	3	1	0	0	0	0	0	5	44.8	42.2
4:00 AM	0	0	0	0	6	13	5	1	2	0	0	0	0	27	43.1	38.7
5:00 AM	0	0	0	3	14	49	21	2	0	0	0	0	0	89	41.0	37.3
6:00 AM	0	0	0	5	40	98	22	2	0	0	0	0	0	167	39.0	36.2
7:00 AM	0	0	0	14	62	118	29	2	0	0	0	0	0	225	39.0	35.8
8:00 AM	0	0	0	4	87	123	26	2	1	0	0	0	0	243	39.0	35.7
9:00 AM	1	2	1	15	69	92	19	0	0	0	0	0	0	199	38.3	34.4
10:00 AM	0	0	1	9	99	107	18	0	0	0	0	0	0	234	38.0	34.9
11:00 AM	0	0	2	12	71	135	19	0	0	0	0	0	0	239	38.0	35.2
12:00 PM	0	0	0	16	99	141	16	1	2	0	0	0	0	275	38.0	35.1
1:00 PM	1	5	8	42	120	94	12	2	0	0	0	0	0	284	37.0	32.6
2:00 PM	0	0	1	14	160	169	33	2	0	0	0	0	0	379	38.0	34.9
3:00 PM	0	0	6	25	122	183	37	2	0	0	0	0	0	375	39.0	35.0
4:00 PM	0	1	1	14	180	225	32	0	0	0	0	0	0	453	38.0	34.9
5:00 PM	1	0	0	14	139	189	40	2	0	1	0	0	0	386	39.0	35.4
6:00 PM	0	1	4	13	113	152	22	3	0	0	0	0	0	308	38.0	34.8
7:00 PM	0	0	0	18	123	105	15	0	0	0	0	0	0	261	38.0	34.3
8:00 PM	0	0	0	4	69	90	12	4	0	0	0	0	0	179	38.0	35.4
9:00 PM	0	0	0	5	43	57	18	2	0	0	0	0	0	125	40.0	35.6
10:00 PM	0	0	0	5	5	27	15	3	0	0	0	0	0	55	42.9	37.4
11:00 PM	0	0	1	0	7	14	6	1	1	0	0	0	0	30	40.7	37.1
Total	3	9	25	233	1631	2195	423	34	6	1	0	0	0	4560	39.0	35.1
Percent	0.07%	0.20%	0.55%	5.11%	35.77%	48.14%	9.28%	0.75%	0.13%	0.02%	0.00%	0.00%	0.00%			

AM Peak	9:00 AM	9:00 AM	11:00 AM	9:00 AM	10:00 AM	11:00 AM	7:00 AM	5:00 AM	4:00 AM					8:00 AM
Volume	1	2	2	15	99	135	29	2	2	0	0	0	0	243

PM Peak	1:00 PM	1:00 PM	1:00 PM	1:00 PM	4:00 PM	4:00 PM	5:00 PM	8:00 PM	12:00 PM	5:00 PM				4:00 PM
Volume	1	5	8	42	180	225	40	4	2	1	0	0	0	453

15th Percentile:	32.0 MPH	Average Speed:	35.1 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	35.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	2110
85th Percentile:	39.0 MPH	Number in Pace:	3850	Percent of Vehicles > 35 MPH:	46.3%
95th Percentile:	41.0 MPH	Percent in Pace:	84.4%		

Ayers Village Road
east of Laschi East Driveway
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File #: 207614 ATR-A

Count Date
Wednesday, September, 16, 2020

Speed (60-minute) Combined WB and 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	5	15	3	0	0	0	0	0	0	23	39.0	36.6
1:00 AM	0	0	0	2	2	5	1	2	0	0	0	0	0	12	41.8	36.5
2:00 AM	0	0	0	0	0	4	1	2	0	0	0	0	0	7	45.1	39.6
3:00 AM	0	0	0	1	1	6	6	3	0	0	0	0	0	17	44.6	39.8
4:00 AM	0	0	0	0	8	21	17	2	2	1	0	0	0	51	43.5	39.4
5:00 AM	0	0	0	4	24	77	42	9	1	1	0	0	0	158	42.0	38.1
6:00 AM	0	0	0	6	84	196	52	6	0	0	0	0	0	344	40.0	36.5
7:00 AM	0	0	0	18	114	244	58	4	0	0	0	0	0	438	39.0	36.2
8:00 AM	0	0	0	6	146	252	56	4	1	0	0	0	0	465	39.0	35.9
9:00 AM	2	2	4	21	124	200	56	4	1	0	0	0	0	414	39.0	35.3
10:00 AM	0	1	1	20	173	255	57	3	0	0	0	0	0	510	39.0	35.5
11:00 AM	0	0	2	18	155	292	45	2	0	0	0	0	0	514	39.0	35.5
12:00 PM	0	0	2	23	174	308	49	3	2	0	0	0	0	561	38.0	35.5
1:00 PM	2	5	13	105	222	190	21	2	0	0	0	0	0	560	37.0	32.6
2:00 PM	0	0	6	47	257	322	70	5	0	0	0	0	0	707	39.0	34.9
3:00 PM	0	0	9	44	240	382	99	4	0	0	0	0	0	778	39.0	35.4
4:00 PM	1	1	3	29	318	488	72	1	0	0	0	0	1	914	38.0	35.3
5:00 PM	1	1	2	29	239	419	88	3	0	1	0	0	0	783	39.0	35.6
6:00 PM	0	1	4	15	181	296	64	6	0	0	0	0	0	567	39.0	35.6
7:00 PM	0	0	1	24	170	186	43	0	0	0	0	0	0	424	39.0	34.9
8:00 PM	0	0	0	5	91	142	31	5	0	0	0	0	0	274	39.0	35.8
9:00 PM	0	0	0	6	59	89	41	7	0	0	0	0	0	202	40.0	36.5
10:00 PM	0	0	0	6	7	47	21	6	0	0	0	0	0	87	42.1	37.7
11:00 PM	0	0	1	0	10	25	11	4	2	1	0	0	0	54	43.0	38.3
Total	6	11	48	429	2804	4461	1004	87	9	4	0	0	1	8864	39.0	35.5
Percent	0.07%	0.12%	0.54%	4.84%	31.63%	50.33%	11.33%	0.98%	0.10%	0.05%	0.00%	0.00%	0.01%			

AM Peak	9:00 AM	9:00 AM	9:00 AM	9:00 AM	10:00 AM	11:00 AM	7:00 AM	5:00 AM	4:00 AM	4:00 AM				11:00 AM		
Volume	2	2	4	21	173	292	58	9	2	1	0	0	0	514		
PM Peak	1:00 PM	1:00 PM	1:00 PM	1:00 PM	4:00 PM	4:00 PM	3:00 PM	9:00 PM	12:00 PM	5:00 PM			4:00 PM	4:00 PM		
Volume	2	5	13	105	318	488	99	7	2	1	0	0	1	914		

15th Percentile:	32.0 MPH	Average Speed:	35.5 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	4512
85th Percentile:	39.0 MPH	Number in Pace:	7404	Percent of Vehicles > 35 MPH:	50.9%
95th Percentile:	41.0 MPH	Percent in Pace:	83.5%		

Laschi's East Driveway
north of Ayers Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-B

Count Date: Tuesday, September 15, 2020
Direction: NB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	5	0	0	5
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	0	0	0	0
9:00 AM	1	0	0	1
9:15 AM	0	0	0	0
9:30 AM	0	0	0	0
9:45 AM	1	0	0	1
10:00 AM	0	0	0	0
10:15 AM	0	0	0	0
10:30 AM	0	0	0	0
10:45 AM	0	0	0	0
11:00 AM	0	0	0	0
11:15 AM	0	0	0	0
11:30 AM	0	0	0	0
11:45 AM	0	0	0	0

AM Total	7	0	0	7
Percentage	100.00%	0.00%	0.00%	
AM Peak	7:00 AM	12:00 AM	12:00 AM	7:00 AM
Volume	5	0	0	5

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	0	0
12:15 PM	0	0	0	0
12:30 PM	0	0	0	0
12:45 PM	0	0	0	0
1:00 PM	0	0	0	0
1:15 PM	0	0	0	0
1:30 PM	0	0	0	0
1:45 PM	0	0	0	0
2:00 PM	0	0	0	0
2:15 PM	0	0	0	0
2:30 PM	0	0	0	0
2:45 PM	0	0	0	0
3:00 PM	0	0	0	0
3:15 PM	0	0	0	0
3:30 PM	0	0	0	0
3:45 PM	0	0	0	0
4:00 PM	0	0	0	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	0	0	0	0
6:00 PM	0	0	0	0
6:15 PM	0	0	0	0
6:30 PM	1	0	0	1
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	1	0	0	1
7:30 PM	0	1	0	1
7:45 PM	0	0	0	0
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	1	0	1
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	2	2	0	4
Percentage	50.00%	50.00%	0.00%	
PM Peak	6:30 PM	6:45 PM	12:00 PM	6:30 PM
Volume	2	1	0	2

Day Total	9	2	0	11
Percentage	81.82%	18.18%	0.00%	

Laschi's East Driveway
north of Ayers Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-B

Count Date: Wednesday, September 16, 2020
Direction: NB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	3	0	0	3
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	0	0	0	0
9:00 AM	1	0	0	1
9:15 AM	0	0	0	0
9:30 AM	0	0	0	0
9:45 AM	0	0	0	0
10:00 AM	0	0	0	0
10:15 AM	0	0	0	0
10:30 AM	0	0	0	0
10:45 AM	0	0	0	0
11:00 AM	0	0	0	0
11:15 AM	0	0	0	0
11:30 AM	0	0	0	0
11:45 AM	0	0	0	0

AM Total	4	0	0	4
Percentage	100.00%	0.00%	0.00%	
AM Peak	7:00 AM	12:00 AM	12:00 AM	7:00 AM
Volume	3	0	0	3

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	0	0
12:15 PM	0	0	0	0
12:30 PM	0	0	0	0
12:45 PM	0	0	0	0
1:00 PM	0	0	0	0
1:15 PM	0	0	0	0
1:30 PM	0	0	0	0
1:45 PM	0	0	0	0
2:00 PM	0	0	0	0
2:15 PM	0	0	0	0
2:30 PM	1	0	0	1
2:45 PM	0	0	0	0
3:00 PM	0	0	0	0
3:15 PM	0	0	0	0
3:30 PM	0	0	0	0
3:45 PM	0	0	0	0
4:00 PM	0	0	0	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	1	0	0	1
6:00 PM	0	0	0	0
6:15 PM	0	0	0	0
6:30 PM	0	0	0	0
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	0	1	0	1
7:30 PM	0	0	0	0
7:45 PM	0	0	0	0
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	2	1	0	3
Percentage	66.67%	33.33%	0.00%	
PM Peak	1:45 PM	6:30 PM	12:00 PM	1:45 PM
Volume	1	1	0	1

Day Total	6	1	0	7
Percentage	85.71%	14.29%	0.00%	

Laschi's East Driveway
north of Ayers Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PRECISION
DATA
INDUSTRIES, LLC

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

PDI File # 207614 ATR-B

Count Date: Tuesday, September 15, 2020
Direction: SB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	1	0	0	1
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	0	0	0	0
9:00 AM	0	0	0	0
9:15 AM	0	0	0	0
9:30 AM	0	0	0	0
9:45 AM	0	0	0	0
10:00 AM	0	0	0	0
10:15 AM	0	0	0	0
10:30 AM	0	0	0	0
10:45 AM	0	0	0	0
11:00 AM	0	0	0	0
11:15 AM	0	0	0	0
11:30 AM	0	0	0	0
11:45 AM	0	0	0	0

AM Total 1 0 0 1
Percentage 100.00% 0.00% 0.00%
AM Peak 5:45 AM 12:00 AM 12:00 AM 5:45 AM
Volume 1 0 0 1

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	0	0
12:15 PM	0	0	0	0
12:30 PM	0	0	0	0
12:45 PM	0	0	0	0
1:00 PM	0	0	0	0
1:15 PM	0	0	0	0
1:30 PM	0	0	0	0
1:45 PM	0	0	0	0
2:00 PM	0	0	0	0
2:15 PM	0	0	0	0
2:30 PM	0	0	0	0
2:45 PM	0	0	0	0
3:00 PM	0	0	0	0
3:15 PM	0	0	0	0
3:30 PM	0	0	0	0
3:45 PM	0	0	0	0
4:00 PM	0	0	0	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	0	0	0	0
6:00 PM	4	0	0	4
6:15 PM	0	0	0	0
6:30 PM	0	0	0	0
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	0	0	0	0
7:30 PM	0	1	0	1
7:45 PM	0	0	0	0
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	1	0	0	1
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total 5 1 0 6
Percentage 83.33% 16.67% 0.00%
PM Peak 5:15 PM 6:45 PM 12:00 PM 5:15 PM
Volume 4 1 0 4

Day Total 6 1 0 7
Percentage 85.71% 14.29% 0.00%

Laschi's East Driveway
north of Ayers Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-B

Count Date: Wednesday, September 16, 2020
Direction: SB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	0	0	0	0
9:00 AM	1	0	0	1
9:15 AM	0	0	0	0
9:30 AM	0	0	0	0
9:45 AM	0	0	0	0
10:00 AM	0	0	0	0
10:15 AM	0	0	0	0
10:30 AM	0	0	0	0
10:45 AM	0	0	0	0
11:00 AM	0	0	0	0
11:15 AM	0	0	0	0
11:30 AM	0	0	0	0
11:45 AM	0	0	0	0

AM Total 1 0 0 1
Percentage 100.00% 0.00% 0.00%
AM Peak 8:15 AM 12:00 AM 12:00 AM 8:15 AM
Volume 1 0 0 1

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	0	0	0	0
12:15 PM	0	0	0	0
12:30 PM	0	0	0	0
12:45 PM	0	0	0	0
1:00 PM	0	0	0	0
1:15 PM	0	0	0	0
1:30 PM	0	0	0	0
1:45 PM	0	0	0	0
2:00 PM	0	0	0	0
2:15 PM	0	0	0	0
2:30 PM	1	0	0	1
2:45 PM	0	0	0	0
3:00 PM	0	0	0	0
3:15 PM	0	0	0	0
3:30 PM	0	0	0	0
3:45 PM	0	0	0	0
4:00 PM	0	0	0	0
4:15 PM	0	0	0	0
4:30 PM	0	0	0	0
4:45 PM	0	0	0	0
5:00 PM	0	0	0	0
5:15 PM	0	0	0	0
5:30 PM	0	0	0	0
5:45 PM	1	0	0	1
6:00 PM	4	0	0	4
6:15 PM	0	1	0	1
6:30 PM	0	0	0	0
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	0	0	0	0
7:30 PM	0	0	0	0
7:45 PM	0	0	0	0
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total 6 1 0 7
Percentage 85.71% 14.29% 0.00%
PM Peak 5:15 PM 5:30 PM 12:00 PM 5:30 PM
Volume 5 1 0 6

Day Total 7 1 0 8
Percentage 87.50% 12.50% 0.00%



**PRECISION
DATA
INDUSTRIES, LLC**

46 Morton Street, Framingham, MA 01702
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Weekly Report

[illegible]



**PRECISION
DATA
INDUSTRIES, LLC**

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PDI File # 207614 ATR-B

Direction: SB

Weekly Report

[illegible]

Laschi's West Driveway
north of Ayer Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-C

Count Date: Tuesday, September 15, 2020
Direction: NB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	0	0	0
8:30 AM	0	0	0	0
8:45 AM	2	0	0	2
9:00 AM	2	0	0	2
9:15 AM	2	0	0	2
9:30 AM	2	0	0	2
9:45 AM	4	0	0	4
10:00 AM	0	0	0	0
10:15 AM	3	0	0	3
10:30 AM	1	0	0	1
10:45 AM	2	0	0	2
11:00 AM	2	0	0	2
11:15 AM	4	0	0	4
11:30 AM	2	0	0	2
11:45 AM	3	0	0	3

AM Total	29	0	0	29
Percentage	100.00%	0.00%	0.00%	
AM Peak	11:00 AM	12:00 AM	12:00 AM	11:00 AM
Volume	11	0	0	11

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	1	0	0	1
12:15 PM	3	0	0	3
12:30 PM	2	0	0	2
12:45 PM	2	0	0	2
1:00 PM	5	0	0	5
1:15 PM	3	0	0	3
1:30 PM	1	0	0	1
1:45 PM	7	0	0	7
2:00 PM	4	0	0	4
2:15 PM	7	0	0	7
2:30 PM	3	0	0	3
2:45 PM	11	0	0	11
3:00 PM	2	0	1	3
3:15 PM	3	0	0	3
3:30 PM	3	0	0	3
3:45 PM	4	0	0	4
4:00 PM	2	0	0	2
4:15 PM	1	0	0	1
4:30 PM	4	0	0	4
4:45 PM	2	0	0	2
5:00 PM	1	1	0	2
5:15 PM	3	0	0	3
5:30 PM	1	0	0	1
5:45 PM	1	0	0	1
6:00 PM	0	0	0	0
6:15 PM	0	0	0	0
6:30 PM	0	0	0	0
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	0	0	0	0
7:30 PM	0	0	0	0
7:45 PM	1	0	0	1
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	77	1	1	79
Percentage	97.47%	1.27%	1.27%	
PM Peak	2:00 PM	4:15 PM	2:15 PM	2:00 PM
Volume	25	1	1	25

Day Total	106	1	1	108
Percentage	98.15%	0.93%	0.93%	

Laschi's West Driveway
north of Ayer Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-C

Count Date: Wednesday, September 16, 2020
Direction: NB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	1	0	0	1
8:00 AM	0	0	0	0
8:15 AM	2	0	0	2
8:30 AM	0	0	0	0
8:45 AM	1	0	0	1
9:00 AM	3	0	0	3
9:15 AM	1	0	0	1
9:30 AM	2	0	0	2
9:45 AM	3	1	0	4
10:00 AM	0	0	0	0
10:15 AM	2	0	0	2
10:30 AM	2	0	0	2
10:45 AM	3	0	0	3
11:00 AM	1	0	0	1
11:15 AM	3	0	0	3
11:30 AM	4	1	0	5
11:45 AM	4	0	0	4

AM Total	32	2	0	34
Percentage	94.12%	5.88%	0.00%	
AM Peak	11:00 AM	9:00 AM	12:00 AM	11:00 AM
Volume	12	1	0	13

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	5	0	0	5
12:15 PM	3	0	0	3
12:30 PM	2	0	0	2
12:45 PM	4	0	0	4
1:00 PM	2	0	0	2
1:15 PM	7	0	0	7
1:30 PM	3	0	0	3
1:45 PM	3	0	0	3
2:00 PM	5	0	0	5
2:15 PM	5	0	0	5
2:30 PM	7	0	0	7
2:45 PM	4	0	0	4
3:00 PM	4	0	0	4
3:15 PM	3	0	0	3
3:30 PM	6	0	0	6
3:45 PM	4	0	0	4
4:00 PM	7	0	0	7
4:15 PM	2	0	0	2
4:30 PM	7	0	0	7
4:45 PM	0	0	0	0
5:00 PM	2	0	0	2
5:15 PM	5	1	0	6
5:30 PM	3	0	0	3
5:45 PM	6	0	0	6
6:00 PM	3	0	0	3
6:15 PM	0	0	0	0
6:30 PM	2	0	0	2
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	2	0	0	2
7:30 PM	0	0	0	0
7:45 PM	1	0	0	1
8:00 PM	0	0	0	0
8:15 PM	1	0	0	1
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	108	1	0	109
Percentage	99.08%	0.92%	0.00%	
PM Peak	2:00 PM	4:30 PM	12:00 PM	2:00 PM
Volume	21	1	0	21

Day Total	140	3	0	143
Percentage	97.90%	2.10%	0.00%	

Laschi's West Driveway
north of Ayer Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



PDI File # 207614 ATR-C

Count Date: Tuesday, September 15, 2020
Direction: SB

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

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	0	1	0	1
8:30 AM	1	0	0	1
8:45 AM	1	0	0	1
9:00 AM	2	0	0	2
9:15 AM	2	0	0	2
9:30 AM	2	0	0	2
9:45 AM	2	0	0	2
10:00 AM	3	0	0	3
10:15 AM	0	0	0	0
10:30 AM	2	0	0	2
10:45 AM	3	0	0	3
11:00 AM	0	0	0	0
11:15 AM	1	0	0	1
11:30 AM	3	0	0	3
11:45 AM	2	0	0	2

AM Total	24	1	0	25
Percentage	96.00%	4.00%	0.00%	
AM Peak	9:15 AM	7:30 AM	12:00 AM	9:15 AM
Volume	9	1	0	9

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	4	0	0	4
12:15 PM	1	0	0	1
12:30 PM	4	0	0	4
12:45 PM	2	0	0	2
1:00 PM	4	0	0	4
1:15 PM	5	0	0	5
1:30 PM	1	0	0	1
1:45 PM	6	0	0	6
2:00 PM	2	0	0	2
2:15 PM	2	0	0	2
2:30 PM	9	0	0	9
2:45 PM	5	0	0	5
3:00 PM	9	0	0	9
3:15 PM	1	0	0	1
3:30 PM	3	0	0	3
3:45 PM	3	0	0	3
4:00 PM	4	0	1	5
4:15 PM	3	1	0	4
4:30 PM	3	0	0	3
4:45 PM	3	0	0	3
5:00 PM	2	1	0	3
5:15 PM	1	0	0	1
5:30 PM	3	0	0	3
5:45 PM	1	0	0	1
6:00 PM	0	0	0	0
6:15 PM	0	0	0	0
6:30 PM	0	0	0	0
6:45 PM	0	0	0	0
7:00 PM	0	0	0	0
7:15 PM	0	0	0	0
7:30 PM	0	0	0	0
7:45 PM	2	0	0	2
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	0	0	0	0
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	0	0	0	0
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	83	2	1	86
Percentage	96.51%	2.33%	1.16%	
PM Peak	2:15 PM	4:15 PM	3:15 PM	2:15 PM
Volume	25	2	1	25

Day Total	107	3	1	111
Percentage	96.40%	2.70%	0.90%	

Laschi's West Driveway
north of Ayer Village Road
City, State: Methuen, MA
Client: GPI/ D. Halpert
Site Code: MAX-0466019.00



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

PDI File # 207614 ATR-C

Count Date: Wednesday, September 16, 2020
Direction: SB

AM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 AM	0	0	0	0
12:15 AM	0	0	0	0
12:30 AM	0	0	0	0
12:45 AM	0	0	0	0
1:00 AM	0	0	0	0
1:15 AM	0	0	0	0
1:30 AM	0	0	0	0
1:45 AM	0	0	0	0
2:00 AM	0	0	0	0
2:15 AM	0	0	0	0
2:30 AM	0	0	0	0
2:45 AM	0	0	0	0
3:00 AM	0	0	0	0
3:15 AM	0	0	0	0
3:30 AM	0	0	0	0
3:45 AM	0	0	0	0
4:00 AM	0	0	0	0
4:15 AM	0	0	0	0
4:30 AM	0	0	0	0
4:45 AM	0	0	0	0
5:00 AM	0	0	0	0
5:15 AM	0	0	0	0
5:30 AM	0	0	0	0
5:45 AM	0	0	0	0
6:00 AM	0	0	0	0
6:15 AM	0	0	0	0
6:30 AM	0	0	0	0
6:45 AM	0	0	0	0
7:00 AM	0	0	0	0
7:15 AM	0	0	0	0
7:30 AM	0	0	0	0
7:45 AM	0	0	0	0
8:00 AM	0	0	0	0
8:15 AM	1	0	0	1
8:30 AM	1	0	0	1
8:45 AM	1	0	0	1
9:00 AM	1	0	0	1
9:15 AM	1	0	0	1
9:30 AM	1	0	0	1
9:45 AM	4	0	0	4
10:00 AM	1	0	0	1
10:15 AM	1	1	0	2
10:30 AM	3	0	0	3
10:45 AM	3	0	0	3
11:00 AM	3	0	0	3
11:15 AM	1	0	0	1
11:30 AM	2	1	0	3
11:45 AM	2	0	0	2

AM Total	26	2	0	28
Percentage	92.86%	7.14%	0.00%	
AM Peak	10:15 AM	9:30 AM	12:00 AM	10:15 AM
Volume	10	1	0	11

PM	Cars	Single Unit Heavy	Multi Unit Heavy	Total
12:00 PM	3	0	0	3
12:15 PM	5	0	0	5
12:30 PM	4	0	0	4
12:45 PM	4	0	0	4
1:00 PM	5	0	0	5
1:15 PM	2	0	0	2
1:30 PM	9	0	0	9
1:45 PM	3	0	0	3
2:00 PM	4	0	0	4
2:15 PM	3	0	0	3
2:30 PM	3	0	0	3
2:45 PM	5	0	0	5
3:00 PM	7	0	0	7
3:15 PM	4	0	0	4
3:30 PM	5	0	0	5
3:45 PM	3	0	0	3
4:00 PM	6	0	0	6
4:15 PM	6	0	0	6
4:30 PM	8	1	0	9
4:45 PM	1	0	0	1
5:00 PM	0	0	0	0
5:15 PM	6	1	0	7
5:30 PM	1	0	0	1
5:45 PM	5	0	0	5
6:00 PM	1	0	0	1
6:15 PM	1	0	0	1
6:30 PM	2	0	0	2
6:45 PM	0	0	0	0
7:00 PM	2	0	0	2
7:15 PM	1	0	0	1
7:30 PM	0	0	0	0
7:45 PM	2	0	0	2
8:00 PM	0	0	0	0
8:15 PM	0	0	0	0
8:30 PM	0	0	0	0
8:45 PM	0	0	0	0
9:00 PM	0	0	0	0
9:15 PM	0	0	0	0
9:30 PM	0	0	0	0
9:45 PM	1	0	0	1
10:00 PM	0	0	0	0
10:15 PM	0	0	0	0
10:30 PM	0	0	0	0
10:45 PM	0	0	0	0
11:00 PM	2	0	0	2
11:15 PM	0	0	0	0
11:30 PM	0	0	0	0
11:45 PM	0	0	0	0

PM Total	114	2	0	116
Percentage	98.28%	1.72%	0.00%	
PM Peak	3:45 PM	4:30 PM	12:00 PM	3:45 PM
Volume	23	2	0	24

Day Total	140	4	0	144
Percentage	97.22%	2.78%	0.00%	



PRECISION
DATA
INDUSTRIES, LLC

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

PDI File # 207614 ATR-C

Direction: NB

Weekly Report

[illegible]



PRECISION
DATA
INDUSTRIES, LLC

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

Weekly Report

[illegible]

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Cars and Heavy Vehicles (Combined)

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	39	0	0	39	60
6:15 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	41	0	0	41	88
6:30 AM	0	0	0	0	0	0	54	0	0	54	0	0	0	0	0	0	45	0	0	45	99
6:45 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	54	0	0	54	105
Total	0	0	0	0	0	0	173	0	0	173	0	0	0	0	0	0	179	0	0	179	352
7:00 AM	0	0	0	0	0	0	42	0	0	42	0	0	0	0	0	0	40	0	0	40	82
7:15 AM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	85	0	0	85	140
7:30 AM	0	0	0	0	0	0	66	0	0	66	0	0	0	0	0	0	70	0	0	70	136
7:45 AM	0	0	0	0	0	0	73	0	0	73	0	0	1	0	1	1	72	0	0	73	147
Total	0	0	0	0	0	0	236	0	0	236	0	0	1	0	1	1	267	0	0	268	505
8:00 AM	0	0	0	0	0	0	52	0	0	52	0	0	0	0	0	0	54	1	0	55	107
8:15 AM	1	0	0	0	1	0	56	0	0	56	0	0	0	0	0	0	56	0	0	56	113
8:30 AM	1	0	0	0	1	0	61	0	0	61	0	0	0	0	0	0	67	0	0	67	129
8:45 AM	1	0	0	0	1	0	68	0	0	68	0	0	0	0	0	0	51	2	0	53	122
Total	3	0	0	0	3	0	237	0	0	237	0	0	0	0	0	0	228	3	0	231	471
9:00 AM	2	0	0	0	2	0	50	0	0	50	0	0	0	0	0	0	46	2	0	48	100
9:15 AM	2	0	0	0	2	2	56	0	0	58	0	0	0	0	0	0	46	0	0	46	106
9:30 AM	1	0	1	0	2	1	64	0	0	65	0	0	0	0	0	0	57	2	0	59	126
9:45 AM	2	0	0	0	2	0	69	0	0	69	0	0	0	0	0	0	44	3	0	47	118
Total	7	0	1	0	8	3	239	0	0	242	0	0	0	0	0	0	193	7	0	200	450
Grand Total	10	0	1	0	11	3	885	0	0	888	0	0	1	0	1	1	867	10	0	878	1778
Approach %	90.9	0.0	9.1	0.0		0.3	99.7	0.0	0.0		0.0	0.0	100.0	0.0		0.1	98.7	1.1	0.0		
Total %	0.6	0.0	0.1	0.0	0.6	0.2	49.8	0.0	0.0	49.9	0.0	0.0	0.1	0.0	0.1	0.1	48.8	0.6	0.0	49.4	
Exiting Leg Total	13					868					1					896					1778
Cars	9	0	1	0	10	3	843	0	0	846	0	0	0	0	0	0	828	9	0	837	1693
% Cars	90.0	0.0	100.0	0.0	90.9	100.0	95.3	0.0	0.0	95.3	0.0	0.0	0.0	0.0	0.0	0.0	95.5	90.0	0.0	95.3	95.2
Exiting Leg Total	12					829					0					852					1693
Heavy Vehicles	1	0	0	0	1	0	42	0	0	42	0	0	1	0	1	1	39	1	0	41	85
% Heavy Vehicles	10.0	0.0	0.0	0.0	9.1	0.0	4.7	0.0	0.0	4.7	0.0	0.0	100.0	0.0	100.0	100.0	4.5	10.0	0.0	4.7	4.8
Exiting Leg Total	1					39					1					44					85

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:15 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total					
	from North					from East					from South					from West										
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total						
7:15 AM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	85	0	0	0	85	140				
7:30 AM	0	0	0	0	0	0	66	0	0	66	0	0	0	0	0	0	70	0	0	0	70	136				
7:45 AM	0	0	0	0	0	0	73	0	0	73	0	0	1	0	1	1	72	0	0	0	73	147				
8:00 AM	0	0	0	0	0	0	52	0	0	52	0	0	0	0	0	0	54	1	0	0	55	107				
Total Volume	0	0	0	0	0	0	246	0	0	246	0	0	1	0	1	1	281	1	0	0	283	530				
% 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		0.4	99.3	0.4	0.0							
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.842	0.000	0.000	0.842	0.000	0.000	0.250	0.000	0.250	0.250	0.826	0.250	0.000	0.832	0.901					
Cars	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	0	270	0	0	0	270	506				
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	95.9	0.0	0.0	95.9	0.0	0.0	0.0	0.0	0.0	0.0	96.1	0.0	0.0	0.0	95.4	95.5				
Heavy Vehicles	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	1	11	1	0	0	13	24				
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	0.0	0.0	100.0	0.0	100.0	100.0	3.9	100.0	0.0	0.0	4.6	4.5				
Cars Enter Leg	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	0	270	0	0	0	270	506				
Heavy Enter Leg	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	1	11	1	0	0	13	24				
Total Entering Leg	0	0	0	0	0	0	246	0	0	246	0	0	1	0	1	1	281	1	0	0	283	530				
Cars Exiting Leg						0					270					0					236					506
Heavy Exiting Leg						1					11					1					11					24
Total Exiting Leg						1					281					1					247					530

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Cars

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
6:00 AM	0	0	0	0	0	0	20	0	0	20	0	0	0	0	0	0	38	0	0	0	38	58
6:15 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	37	0	0	0	37	84
6:30 AM	0	0	0	0	0	0	52	0	0	52	0	0	0	0	0	0	45	0	0	0	45	97
6:45 AM	0	0	0	0	0	0	49	0	0	49	0	0	0	0	0	0	51	0	0	0	51	100
Total	0	0	0	0	0	0	168	0	0	168	0	0	0	0	0	0	171	0	0	0	171	339
7:00 AM	0	0	0	0	0	0	36	0	0	36	0	0	0	0	0	0	37	0	0	0	37	73
7:15 AM	0	0	0	0	0	0	50	0	0	50	0	0	0	0	0	0	84	0	0	0	84	134
7:30 AM	0	0	0	0	0	0	63	0	0	63	0	0	0	0	0	0	65	0	0	0	65	128
7:45 AM	0	0	0	0	0	0	72	0	0	72	0	0	0	0	0	0	69	0	0	0	69	141
Total	0	0	0	0	0	0	221	0	0	221	0	0	0	0	0	0	255	0	0	0	255	476
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	52	0	0	0	52	103
8:15 AM	0	0	0	0	0	0	53	0	0	53	0	0	0	0	0	0	53	0	0	0	53	106
8:30 AM	1	0	0	0	1	0	61	0	0	61	0	0	0	0	0	0	64	0	0	0	64	126
8:45 AM	1	0	0	0	1	0	64	0	0	64	0	0	0	0	0	0	48	2	0	0	50	115
Total	2	0	0	0	2	0	229	0	0	229	0	0	0	0	0	0	217	2	0	0	219	450
9:00 AM	2	0	0	0	2	0	48	0	0	48	0	0	0	0	0	0	45	2	0	0	47	97
9:15 AM	2	0	0	0	2	2	55	0	0	57	0	0	0	0	0	0	44	0	0	0	44	103
9:30 AM	1	0	1	0	2	1	60	0	0	61	0	0	0	0	0	0	54	2	0	0	56	119
9:45 AM	2	0	0	0	2	0	62	0	0	62	0	0	0	0	0	0	42	3	0	0	45	109
Total	7	0	1	0	8	3	225	0	0	228	0	0	0	0	0	0	185	7	0	0	192	428
Grand Total	9	0	1	0	10	3	843	0	0	846	0	0	0	0	0	0	828	9	0	0	837	1693
Approach %	90.0	0.0	10.0	0.0		0.4	99.6	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.9	1.1	0.0			
Total %	0.5	0.0	0.1	0.0	0.6	0.2	49.8	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	0.5	0.0	49.4		
Exiting Leg Total	12					829					0					852					1693	

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:15 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)						
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:15 AM	0	0	0	0	0	0	50	0	0	50	0	0	0	0	0	0	84	0	0	84	134	
7:30 AM	0	0	0	0	0	0	63	0	0	63	0	0	0	0	0	0	65	0	0	65	128	
7:45 AM	0	0	0	0	0	0	72	0	0	72	0	0	0	0	0	0	69	0	0	69	141	
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	52	0	0	52	103	
Total Volume	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	0	270	0	0	270	506	
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.819	0.000	0.000	0.819	0.000	0.000	0.000	0.000	0.000	0.000	0.804	0.000	0.000	0.804	0.897	
Entering Leg	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	0	270	0	0	270	506	
Exiting Leg																					236	506
Total						506															506	1012

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



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

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
6:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	3	0	0	3
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	8	0	0	8
7:00 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	3	0	0	3
7:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	1	0	0	1
7:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	5	0	0	5
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	3	0	0	4	6
Total	0	0	0	0	0	0	15	0	0	15	0	0	1	0	1	1	12	0	0	13	29
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	1	0	3	4
8:15 AM	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	0	3	0	0	3	7
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
Total	1	0	0	0	1	0	8	0	0	8	0	0	0	0	0	0	11	1	0	12	21
9:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
9:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
9:30 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
9:45 AM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	2	0	0	2	9
Total	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	8	0	0	8	22
Grand Total	1	0	0	0	1	0	42	0	0	42	0	0	1	0	1	1	39	1	0	41	85
Approach %	100.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	100.0	0.0		2.4	95.1	2.4	0.0		
Total %	1.2	0.0	0.0	0.0	1.2	0.0	49.4	0.0	0.0	49.4	0.0	0.0	1.2	0.0	1.2	1.2	45.9	1.2	0.0	48.2	
Exiting Leg Total	1					39					1					44					85
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	1	0	0	0	1	0	34	0	0	34	0	0	0	0	0	1	31	1	0	33	68
% Single-Unit	100.0	0.0	0.0	0.0	100.0	0.0	81.0	0.0	0.0	81.0	0.0	0.0	0.0	0.0	0.0	100.0	79.5	100.0	0.0	80.5	80.0
Exiting Leg Total	1					31					1					35					68
Articulated Trucks	0	0	0	0	0	0	8	0	0	8	0	0	1	0	1	0	8	0	0	8	17
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	19.0	0.0	0.0	100.0	0.0	100.0	0.0	20.5	0.0	0.0	19.5	20.0
Exiting Leg Total	0					8					0					9					17

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:00 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	3	0	0	3	9
7:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	6
7:30 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5	0	0	5	8
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	3	0	0	4	6
Total Volume	0	0	0	0	0	0	15	0	0	15	0	0	1	0	1	1	12	0	0	13	29
% 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		7.7	92.3	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.000	0.625	0.000	0.000	0.250	0.000	0.250	0.250	0.600	0.000	0.000	0.650	0.806
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	0	12	0	0	12	0	0	0	0	0	1	8	0	0	9	21
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	100.0	66.7	0.0	0.0	69.2	72.4
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	4	0	0	4	8
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	100.0	0.0	100.0	0.0	33.3	0.0	0.0	30.8	27.6
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	0	12	0	0	12	0	0	0	0	0	1	8	0	0	9	21
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	4	0	0	4	8
Total Entering Leg	0	0	0	0	0	0	15	0	0	15	0	0	1	0	1	1	12	0	0	13	29
Buses	0					0					0					0					0

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



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

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
Single-Unit Trucks					0					8					1					12	21
Articulated Trucks					0					4					0					4	8
Total Exiting Leg					0					12					1					16	29

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Buses

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	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
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	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
7:45 AM	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
8:00 AM	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
8:30 AM	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
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	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
Grand Total	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		
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
Exiting Leg Total	0					0					0					0					0

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:00 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	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
% 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
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
Entering Leg	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
Total	0					0					0					0					0

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Single-Unit Trucks

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
6:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	7	0	0	7	12
7:00 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	7
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
7:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	2	0	3	4
Total	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	1	8	0	9	21
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
8:15 AM	1	0	0	0	1	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	5
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
8:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
Total	1	0	0	0	1	0	6	0	0	6	0	0	0	0	0	0	9	1	0	10	17
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
9:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
9:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
9:45 AM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	1	0	0	1	8
Total	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	7	0	0	7	18
Grand Total	1	0	0	0	1	0	34	0	0	34	0	0	0	0	0	1	31	1	0	33	68
Approach %	100.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		3.0	93.9	3.0	0.0		
Total %	1.5	0.0	0.0	0.0	1.5	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	1.5	45.6	1.5	0.0	48.5	
Exiting Leg Total	1					31					1					35					68

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:45 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
7:00 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	7
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
7:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
Total Volume	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	8	0	0	8	21
% 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	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.650	0.000	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.000	0.667	0.000	0.000	0.667	0.750
Entering Leg	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	8	0	0	8	21
Exiting Leg	0					8					0					13					21
Total	0					21					0					21					42

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Articulated Trucks

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1
7:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1
Total	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	4	0	0	0	4
8:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1
8:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1
8:30 AM	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
Total	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	0	2
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	1	0	0	0	1
Grand Total	0	0	0	0	0	0	8	0	0	8	0	0	1	0	1	0	8	0	0	0	8
Approach %	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	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	47.1	0.0	0.0	47.1	0.0	0.0	5.9	0.0	5.9	0.0	47.1	0.0	0.0	47.1	
Exiting Leg Total	0					8					0					9					17

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:30 AM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2	3
7:45 AM	0	0	0	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	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
8:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
Total Volume	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	5	0	0	0	5	9
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.000	0.000	0.250	0.000	0.250	0.000	0.625	0.000	0.000	0.625	0.750	
Entering Leg	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	5	0	0	0	5	9
Exiting Leg	0					5					0					4					9	
Total	0					8					1					9					18	

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Bicycles (on Roadway and Crosswalks)

	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
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	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	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	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	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
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	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	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	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	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
9:00 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	0	0	0	0	0
9:15 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	0	0	0	0	0
9:30 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	0	0	0	0	0
9:45 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	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
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	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			
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	0.0	0.0	0.0	0.0	0.0
Exiting Leg Total	0							0							0							0							

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:00 AM	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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	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	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	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	0	0	0	0	0
Exiting Leg	0							0							0							0							0
Total	0							0							0							0							0

PDI File #: **207614 A**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Pedestrians

	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
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	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	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	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	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
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	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	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	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	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
9:00 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	0	0	0	0	0
9:15 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	0	0	0	0	0
9:30 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	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
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
Total %	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
Exiting Leg Total	0							0							1							0							1

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

9:00 AM	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
9:00 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	0	0	0	0	0
9:15 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	0	0	0	0	0
9:30 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	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	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	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Exiting Leg	0							0							1							0							1
Total	0							0							2							0							2

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	7	0	2	0	9	1	73	0	0	74	0	0	0	0	0	0	84	2	0	86	169
3:15 PM	0	0	1	0	1	0	98	0	0	98	0	0	0	0	0	0	83	3	0	86	185
3:30 PM	3	0	0	0	3	1	108	0	0	109	0	0	0	0	0	0	98	2	0	100	212
3:45 PM	3	0	0	0	3	0	115	0	0	115	0	0	0	0	0	0	103	4	0	107	225
Total	13	0	3	0	16	2	394	0	0	396	0	0	0	0	0	0	368	11	0	379	791
4:00 PM	4	0	1	0	5	1	104	0	0	105	0	0	0	0	0	0	93	1	0	94	204
4:15 PM	4	0	0	0	4	1	117	0	0	118	0	0	0	0	0	0	98	0	0	98	220
4:30 PM	3	0	0	0	3	0	82	0	0	82	1	0	0	0	0	1	97	4	0	101	187
4:45 PM	2	0	1	0	3	2	101	0	0	103	0	0	0	0	0	0	98	0	0	98	204
Total	13	0	2	0	15	4	404	0	0	408	1	0	0	0	1	0	386	5	0	391	815
5:00 PM	2	0	1	0	3	0	87	0	0	87	0	0	0	0	0	0	112	2	0	114	204
5:15 PM	0	0	1	0	1	2	119	0	0	121	0	0	0	0	0	0	124	1	1	126	248
5:30 PM	3	0	0	0	3	0	100	0	0	100	1	0	0	0	1	0	94	1	1	96	200
5:45 PM	0	0	1	0	1	0	81	0	0	81	0	0	0	0	0	0	97	1	0	98	180
Total	5	0	3	0	8	2	387	0	0	389	1	0	0	0	1	0	427	5	2	434	832
6:00 PM	0	0	0	0	0	0	77	0	0	77	0	0	0	0	0	0	80	0	0	80	157
6:15 PM	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	66	0	0	66	130
6:30 PM	0	0	0	0	0	0	59	0	0	59	0	0	1	0	1	0	70	0	0	70	130
6:45 PM	0	0	0	0	0	0	56	0	0	56	0	0	0	0	0	0	67	0	0	67	123
Total	0	0	0	0	0	0	256	0	0	256	0	0	1	0	1	0	283	0	0	283	540
Grand Total	31	0	8	0	39	8	1441	0	0	1449	2	0	1	0	3	0	1464	21	2	1487	2978
Approach %	79.5	0.0	20.5	0.0		0.6	99.4	0.0	0.0		66.7	0.0	33.3	0.0		0.0	98.5	1.4	0.1		
Total %	1.0	0.0	0.3	0.0	1.3	0.3	48.4	0.0	0.0	48.7	0.1	0.0	0.0	0.0	0.1	0.0	49.2	0.7	0.1	49.9	
Exiting Leg Total	29					1474					0					1475					2978
Cars	30	0	8	0	38	7	1416	0	0	1423	2	0	1	0	3	0	1444	21	2	1467	2931
% Cars	96.8	0.0	100.0	0.0	97.4	87.5	98.3	0.0	0.0	98.2	100.0	0.0	100.0	0.0	100.0	0.0	98.6	100.0	100.0	98.7	98.4
Exiting Leg Total	28					1454					0					1449					2931
Heavy Vehicles	1	0	0	0	1	1	25	0	0	26	0	0	0	0	0	0	20	0	0	20	47
% Heavy Vehicles	3.2	0.0	0.0	0.0	2.6	12.5	1.7	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.3	1.6
Exiting Leg Total	1					20					0					26					47

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:30 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:30 PM	3	0	0	0	3	1	108	0	0	109	0	0	0	0	0	0	98	2	0	100	212
3:45 PM	3	0	0	0	3	0	115	0	0	115	0	0	0	0	0	0	103	4	0	107	225
4:00 PM	4	0	1	0	5	1	104	0	0	105	0	0	0	0	0	0	93	1	0	94	204
4:15 PM	4	0	0	0	4	1	117	0	0	118	0	0	0	0	0	0	98	0	0	98	220
Total Volume	14	0	1	0	15	3	444	0	0	447	0	0	0	0	0	0	392	7	0	399	861
% Approach Total	93.3	0.0	6.7	0.0		0.7	99.3	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.2	1.8	0.0		
PHF	0.875	0.000	0.250	0.000	0.750	0.750	0.949	0.000	0.000	0.947	0.000	0.000	0.000	0.000	0.000	0.000	0.951	0.438	0.000	0.932	0.957
Cars	13	0	1	0	14	3	432	0	0	435	0	0	0	0	0	0	384	7	0	391	840
Cars %	92.9	0.0	100.0	0.0	93.3	100.0	97.3	0.0	0.0	97.3	0.0	0.0	0.0	0.0	0.0	0.0	98.0	100.0	0.0	98.0	97.6
Heavy Vehicles	1	0	0	0	1	0	12	0	0	12	0	0	0	0	0	0	8	0	0	8	21
Heavy Vehicles %	7.1	0.0	0.0	0.0	6.7	0.0	2.7	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	2.4
Cars Enter Leg	13	0	1	0	14	3	432	0	0	435	0	0	0	0	0	0	384	7	0	391	840
Heavy Enter Leg	1	0	0	0	1	0	12	0	0	12	0	0	0	0	0	0	8	0	0	8	21
Total Entering Leg	14	0	1	0	15	3	444	0	0	447	0	0	0	0	0	0	392	7	0	399	861
Cars Exiting Leg	10					385					0					445					840
Heavy Exiting Leg	0					8					0					13					21
Total Exiting Leg	10					393					0					458					861

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Cars

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	7	0	2	0	9	0	71	0	0	71	0	0	0	0	0	0	81	2	0	83	163
3:15 PM	0	0	1	0	1	0	96	0	0	96	0	0	0	0	0	0	78	3	0	81	178
3:30 PM	3	0	0	0	3	1	103	0	0	104	0	0	0	0	0	0	93	2	0	95	202
3:45 PM	3	0	0	0	3	0	114	0	0	114	0	0	0	0	0	0	103	4	0	107	224
Total	13	0	3	0	16	1	384	0	0	385	0	0	0	0	0	0	355	11	0	366	767
4:00 PM	3	0	1	0	4	1	100	0	0	101	0	0	0	0	0	0	91	1	0	92	197
4:15 PM	4	0	0	0	4	1	115	0	0	116	0	0	0	0	0	0	97	0	0	97	217
4:30 PM	3	0	0	0	3	0	82	0	0	82	1	0	0	0	0	1	96	4	0	100	186
4:45 PM	2	0	1	0	3	2	100	0	0	102	0	0	0	0	0	0	98	0	0	98	203
Total	12	0	2	0	14	4	397	0	0	401	1	0	0	0	1	0	382	5	0	387	803
5:00 PM	2	0	1	0	3	0	83	0	0	83	0	0	0	0	0	0	111	2	0	113	199
5:15 PM	0	0	1	0	1	2	118	0	0	120	0	0	0	0	0	0	123	1	1	125	246
5:30 PM	3	0	0	0	3	0	100	0	0	100	1	0	0	0	1	0	94	1	1	96	200
5:45 PM	0	0	1	0	1	0	81	0	0	81	0	0	0	0	0	0	97	1	0	98	180
Total	5	0	3	0	8	2	382	0	0	384	1	0	0	0	1	0	425	5	2	432	825
6:00 PM	0	0	0	0	0	0	76	0	0	76	0	0	0	0	0	0	80	0	0	80	156
6:15 PM	0	0	0	0	0	0	63	0	0	63	0	0	0	0	0	0	65	0	0	65	128
6:30 PM	0	0	0	0	0	0	58	0	0	58	0	0	1	0	1	0	70	0	0	70	129
6:45 PM	0	0	0	0	0	0	56	0	0	56	0	0	0	0	0	0	67	0	0	67	123
Total	0	0	0	0	0	0	253	0	0	253	0	0	1	0	1	0	282	0	0	282	536
Grand Total	30	0	8	0	38	7	1416	0	0	1423	2	0	1	0	3	0	1444	21	2	1467	2931
Approach %	78.9	0.0	21.1	0.0		0.5	99.5	0.0	0.0		66.7	0.0	33.3	0.0		0.0	98.4	1.4	0.1		
Total %	1.0	0.0	0.3	0.0	1.3	0.2	48.3	0.0	0.0	48.5	0.1	0.0	0.0	0.0	0.1	0.0	49.3	0.7	0.1	50.1	
Exiting Leg Total	28					1454					0					1449					2931

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

4:45 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:45 PM	2	0	1	0	3	2	100	0	0	102	0	0	0	0	0	0	98	0	0	98	203
5:00 PM	2	0	1	0	3	0	83	0	0	83	0	0	0	0	0	0	111	2	0	113	199
5:15 PM	0	0	1	0	1	2	118	0	0	120	0	0	0	0	0	0	123	1	1	125	246
5:30 PM	3	0	0	0	3	0	100	0	0	100	1	0	0	0	1	0	94	1	1	96	200
Total Volume	7	0	3	0	10	4	401	0	0	405	1	0	0	0	1	0	426	4	2	432	848
% Approach Total	70.0	0.0	30.0	0.0		1.0	99.0	0.0	0.0		100.0	0.0	0.0	0.0		0.0	98.6	0.9	0.5		
PHF	0.583	0.000	0.750	0.000	0.833	0.500	0.850	0.000	0.000	0.844	0.250	0.000	0.000	0.000	0.250	0.000	0.866	0.500	0.500	0.864	0.862
Entering Leg	7	0	3	0	10	4	401	0	0	405	1	0	0	0	1	0	426	4	2	432	848
Exiting Leg	8					430					0					410					848
Total	18					835					1					842					1696

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



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

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	3	0	0	3	6
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	7
3:30 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	10
3:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	1	10	0	0	11	0	0	0	0	0	0	13	0	0	13	24
4:00 PM	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	7
4:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	0	0	1	0	7	0	0	7	0	0	0	0	0	0	4	0	0	4	12
5:00 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
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	0	0	0	0	0
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	7
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	4
Grand Total	1	0	0	0	1	1	25	0	0	26	0	0	0	0	0	0	20	0	0	20	47
Approach %	100.0	0.0	0.0	0.0		3.8	96.2	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	2.1	0.0	0.0	0.0	2.1	2.1	53.2	0.0	0.0	55.3	0.0	0.0	0.0	0.0	0.0	0.0	42.6	0.0	0.0	42.6	
Exiting Leg Total	1					20					0					26					47
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	0	22	0	0	22	0	0	0	0	0	0	19	0	0	19	41
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	0.0	84.6	0.0	0.0	0.0	0.0	0.0	0.0	95.0	0.0	0.0	95.0	87.2
Exiting Leg Total	0					19					0					22					41
Articulated Trucks	1	0	0	0	1	1	3	0	0	4	0	0	0	0	0	0	1	0	0	1	6
% Articulated	100.0	0.0	0.0	0.0	100.0	100.0	12.0	0.0	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	12.8
Exiting Leg Total	1					1					0					4					6

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	7
3:30 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	10
3:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
4:00 PM	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	7
Total Volume	1	0	0	0	1	0	12	0	0	12	0	0	0	0	0	0	12	0	0	12	25
% Approach Total	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	100.0	0.0	0.0		
PHF	0.250	0.000	0.000	0.000	0.250	0.000	0.600	0.000	0.000	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.600	0.000	0.000	0.600	0.625
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	0	11	0	0	11	0	0	0	0	0	0	11	0	0	11	22
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	91.7	0.0	0.0	91.7	0.0	0.0	0.0	0.0	0.0	0.0	91.7	0.0	0.0	91.7	88.0
Articulated Trucks	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	3
Articulated %	100.0	0.0	0.0	0.0	100.0	0.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	8.3	12.0
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	0	11	0	0	11	0	0	0	0	0	0	11	0	0	11	22
Articulated Trucks	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	3
Total Entering Leg	1	0	0	0	1	0	12	0	0	12	0	0	0	0	0	0	12	0	0	12	25
Buses	0					0					0					0					0

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



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

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
Single-Unit Trucks					0					11					0					11	22
Articulated Trucks					0					1					0					2	3
Total Exiting Leg					0					12					0					13	25

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Buses

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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
Total	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
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	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
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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		
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					0					0					0

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:00 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	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
% 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	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
Exiting Leg	0					0					0					0					0
Total	0					0					0					0					

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Single-Unit Trucks

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	0	3	5
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	0	0	5	7
3:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	4	0	0	0	4	8
3:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	12	0	0	0	12	21
4:00 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	0	2	6
4:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
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
Total	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	4	0	0	0	4	10
5:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	1	0	0	0	1	4
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
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
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
Total	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	0	2	6
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	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	3	0	0	3	0	0	0	0	0	0	1	0	0	0	1	4
Grand Total	0	0	0	0	0	0	22	0	0	22	0	0	0	0	0	0	19	0	0	0	19	41
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	100.0	0.0	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	53.7	0.0	0.0	53.7	0.0	0.0	0.0	0.0	0.0	0.0	46.3	0.0	0.0	46.3		
Exiting Leg Total	0					19					0					22					41	

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	0	0	5	7
3:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	4	0	0	0	4	8
3:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:00 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	0	2	6
Total Volume	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	11	0	0	0	11	22
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.000	0.000	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.550	0.000	0.000	0.000	0.550	0.688
Entering Leg	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	11	0	0	0	11	22
Exiting Leg	0					11					0					11					22	
Total	0					22					0					22					44	

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Articulated Trucks

	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	3
4:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
5:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	1	0	0	0	1	1	3	0	0	4	0	0	0	0	0	0	1	0	0	1	6
Approach %	100.0	0.0	0.0	0.0		25.0	75.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	16.7	0.0	0.0	0.0	16.7	16.7	50.0	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.7	
Exiting Leg Total	1					1					0					4					6

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:00 PM	Laschi's West Driveway					Ayers Village Road (Route 97)					Gas Station Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
3:45 PM	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	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	3
% Approach Total	0.0	0.0	0.0	0.0		50.0	50.0	0.0	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	0.250	0.250	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.375
Entering Leg	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	3
Exiting Leg	1					1					0					1					3
Total	1					3					0					2					6

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Bicycles (on Roadway and Crosswalks)

	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:00 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	0	0	0	0	0
3:15 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	0	0	0	0	0
3:30 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	0	0	0	0	0
3:45 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	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
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	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	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	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	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	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	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	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
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
Grand Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Approach %	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		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	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	0.0	0.0	0.0	0.0		
Exiting Leg Total	0							0							0							1							1

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:15 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	0	0	0	0	0
3:30 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	0	0	0	0	0
3:45 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	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
% Approach Total	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	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	0.250	0.000	0.000	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	0.000	0.250	0.250
Entering Leg	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Exiting Leg	0							0							0							1							1
Total	0							1							0							1							2

PDI File #: **207614 AA**
 Location: **N: Laschi's West Driveway S: Gas Station Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Pedestrians

	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:00 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	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
3:30 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	0	0	0	0	0
3:45 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	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	1	0	0	0	0	0	0	0	1
4:00 PM	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	3
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	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	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	0	0	0	0	0
Total	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	3
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	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	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	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	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
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
Grand Total	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	2	0	0	0	0	0	0	0	4
Approach %	0	0	0	0	100	0		0	0	0	0	100	0		0	0	0	0	50	50		0	0	0	0	0	0		
Total %	0	0	0	0	25	0	25	0	0	0	0	25	0	25	0	0	0	0	25	25	50	0	0	0	0	0	0		
Exiting Leg Total	1							1							2							0							4

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschi's West Driveway							Ayers Village Road (Route 97)							Gas Station Driveway							Ayers Village Road (Route 97)							Total	
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
3:30 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	0	0	0	0	0	0
3:45 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	0	0	0	0	0	0
4:00 PM	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3
Total Volume	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
% Approach Total	0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	100.0	0.0		0.0	0.0	0.0	0.0	50.0	50.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.250	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333	
Entering Leg	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
Exiting Leg	1							1							2							2							0	4
Total	2							2							4							0							8	

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Cars and Heavy Vehicles (Combined)

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	39	0	0	39	60
6:15 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	41	0	0	41	88
6:30 AM	1	0	0	0	1	0	54	0	0	54	0	0	0	0	0	0	45	0	0	45	100
6:45 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	54	0	0	54	101
Total	1	0	0	0	1	0	169	0	0	169	0	0	0	0	0	0	179	0	0	179	349
7:00 AM	0	0	0	0	0	0	42	0	0	42	0	0	0	0	0	0	40	0	0	40	82
7:15 AM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	86	0	0	86	141
7:30 AM	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	70	0	0	70	134
7:45 AM	0	0	0	0	0	1	74	0	0	75	0	0	0	0	0	0	68	4	0	72	147
Total	0	0	0	0	0	1	235	0	0	236	0	0	0	0	0	0	264	4	0	268	504
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	54	0	0	54	105
8:15 AM	0	0	0	0	0	0	56	0	0	56	0	0	0	0	0	0	56	0	0	56	112
8:30 AM	0	0	0	0	0	0	61	0	0	61	0	0	0	0	0	0	67	0	0	67	128
8:45 AM	0	0	0	0	0	0	68	0	0	68	0	0	0	0	0	0	51	0	0	51	119
Total	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	0	228	0	0	228	464
9:00 AM	0	0	0	0	0	0	49	0	0	49	0	0	0	0	0	0	45	0	1	46	95
9:15 AM	0	0	0	0	0	0	59	0	0	59	0	0	0	0	0	0	46	0	0	46	105
9:30 AM	0	0	0	0	0	0	63	0	0	63	0	0	1	0	1	0	58	0	0	58	122
9:45 AM	0	0	0	0	0	0	71	0	0	71	0	0	0	0	0	0	43	1	0	44	115
Total	0	0	0	0	0	0	242	0	0	242	0	0	1	0	1	0	192	1	1	194	437
Grand Total	1	0	0	0	1	1	882	0	0	883	0	0	1	0	1	0	863	5	1	869	1754
Approach %	100.0	0.0	0.0	0.0		0.1	99.9	0.0	0.0		0.0	0.0	100.0	0.0		0.0	99.3	0.6	0.1		
Total %	0.1	0.0	0.0	0.0	0.1	0.1	50.3	0.0	0.0	50.3	0.0	0.0	0.1	0.0	0.1	0.0	49.2	0.3	0.1	49.5	
Exiting Leg Total	6					863					0					885					1754
Cars	1	0	0	0	1	1	846	0	0	847	0	0	1	0	1	0	828	5	1	834	1683
% Cars	100.0	0.0	0.0	0.0	100.0	100.0	95.9	0.0	0.0	95.9	0.0	0.0	100.0	0.0	100.0	0.0	95.9	100.0	100.0	96.0	96.0
Exiting Leg Total	6					828					0					849					1683
Heavy Vehicles	0	0	0	0	0	0	36	0	0	36	0	0	0	0	0	0	35	0	0	35	71
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.0	4.0
Exiting Leg Total	0					35					0					36					71

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:15 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
7:15 AM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	86	0	0	86	141	
7:30 AM	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	70	0	0	70	134	
7:45 AM	0	0	0	0	0	1	74	0	0	75	0	0	0	0	0	0	68	4	0	72	147	
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	54	0	0	54	105	
Total Volume	0	0	0	0	0	1	244	0	0	245	0	0	0	0	0	0	278	4	0	282	527	
% Approach Total	0.0	0.0	0.0	0.0		0.4	99.6	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.6	1.4	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.824	0.000	0.000	0.817	0.000	0.000	0.000	0.000	0.000	0.000	0.808	0.250	0.000	0.820	0.896	
Cars	0	0	0	0	0	1	236	0	0	237	0	0	0	0	0	0	269	4	0	273	510	
Cars %	0.0	0.0	0.0	0.0	0.0	100.0	96.7	0.0	0.0	96.7	0.0	0.0	0.0	0.0	0.0	0.0	96.8	100.0	0.0	96.8	96.8	
Heavy Vehicles	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	9	0	0	9	17	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	3.2	3.2	
Cars Enter Leg	0	0	0	0	0	1	236	0	0	237	0	0	0	0	0	0	269	4	0	273	510	
Heavy Enter Leg	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	9	0	0	9	17	
Total Entering Leg	0	0	0	0	0	1	244	0	0	245	0	0	0	0	0	0	278	4	0	282	527	
Cars Exiting Leg																						
Heavy Exiting Leg																						
Total Exiting Leg																						

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Cars

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
6:00 AM	0	0	0	0	0	0	20	0	0	20	0	0	0	0	0	0	39	0	0	0	39	59
6:15 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	38	0	0	0	38	85
6:30 AM	1	0	0	0	1	0	52	0	0	52	0	0	0	0	0	0	45	0	0	0	45	98
6:45 AM	0	0	0	0	0	0	45	0	0	45	0	0	0	0	0	0	51	0	0	0	51	96
Total	1	0	0	0	1	0	164	0	0	164	0	0	0	0	0	0	173	0	0	0	173	338
7:00 AM	0	0	0	0	0	0	37	0	0	37	0	0	0	0	0	0	37	0	0	0	37	74
7:15 AM	0	0	0	0	0	0	50	0	0	50	0	0	0	0	0	0	85	0	0	0	85	135
7:30 AM	0	0	0	0	0	0	62	0	0	62	0	0	0	0	0	0	66	0	0	0	66	128
7:45 AM	0	0	0	0	0	1	73	0	0	74	0	0	0	0	0	0	65	4	0	0	69	143
Total	0	0	0	0	0	1	222	0	0	223	0	0	0	0	0	0	253	4	0	0	257	480
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	53	0	0	0	53	104
8:15 AM	0	0	0	0	0	0	54	0	0	54	0	0	0	0	0	0	53	0	0	0	53	107
8:30 AM	0	0	0	0	0	0	61	0	0	61	0	0	0	0	0	0	63	0	0	0	63	124
8:45 AM	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	48	0	0	0	48	112
Total	0	0	0	0	0	0	230	0	0	230	0	0	0	0	0	0	217	0	0	0	217	447
9:00 AM	0	0	0	0	0	0	47	0	0	47	0	0	0	0	0	0	44	0	1	0	45	92
9:15 AM	0	0	0	0	0	0	58	0	0	58	0	0	0	0	0	0	44	0	0	0	44	102
9:30 AM	0	0	0	0	0	0	59	0	0	59	0	0	1	0	1	0	55	0	0	0	55	115
9:45 AM	0	0	0	0	0	0	66	0	0	66	0	0	0	0	0	0	42	1	0	0	43	109
Total	0	0	0	0	0	0	230	0	0	230	0	0	1	0	1	0	185	1	1	0	187	418
Grand Total	1	0	0	0	1	1	846	0	0	847	0	0	1	0	1	0	828	5	1	0	834	1683
Approach %	100.0	0.0	0.0	0.0		0.1	99.9	0.0	0.0		0.0	0.0	100.0	0.0		0.0	99.3	0.6	0.1			
Total %	0.1	0.0	0.0	0.0	0.1	0.1	50.3	0.0	0.0	50.3	0.0	0.0	0.1	0.0	0.1	0.0	49.2	0.3	0.1	0.0	49.6	
Exiting Leg Total	6					828					0					849					1683	

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

7:15 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:15 AM	0	0	0	0	0	0	50	0	0	50	0	0	0	0	0	0	85	0	0	85	135
7:30 AM	0	0	0	0	0	0	62	0	0	62	0	0	0	0	0	0	66	0	0	66	128
7:45 AM	0	0	0	0	0	1	73	0	0	74	0	0	0	0	0	0	65	4	0	69	143
8:00 AM	0	0	0	0	0	0	51	0	0	51	0	0	0	0	0	0	53	0	0	53	104
Total Volume	0	0	0	0	0	1	236	0	0	237	0	0	0	0	0	0	269	4	0	273	510
% Approach Total	0.0	0.0	0.0	0.0		0.4	99.6	0.0	0.0		0.0	0.0	0.0	0.0		0.0	98.5	1.5	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.250	0.808	0.000	0.000	0.801	0.000	0.000	0.000	0.000	0.000	0.000	0.791	0.250	0.000	0.803	0.892
Entering Leg	0	0	0	0	0	1	236	0	0	237	0	0	0	0	0	0	269	4	0	273	510
Exiting Leg	5					269					0					236					510
Total	5					506					0					509					1020

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



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

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	6	0	0	6	11
7:00 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	8
7:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	6
7:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	6
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	4
Total	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	11	0	0	11	24
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
Total	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	11	0	0	11	17
9:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
9:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
9:30 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
9:45 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	6
Total	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	7	0	0	7	19
Grand Total	0	0	0	0	0	0	36	0	0	36	0	0	0	0	0	0	35	0	0	35	71
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	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	50.7	0.0	0.0	50.7	0.0	0.0	0.0	0.0	0.0	0.0	49.3	0.0	0.0	49.3	
Exiting Leg Total	0					35					0					36					71
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	0	29	0	0	29	0	0	0	0	0	0	29	0	0	29	58
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	80.6	0.0	0.0	80.6	0.0	0.0	0.0	0.0	0.0	0.0	82.9	0.0	0.0	82.9	81.7
Exiting Leg Total	0					29					0					29					58
Articulated Trucks	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	6	0	0	6	13
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	17.1	18.3
Exiting Leg Total	0					6					0					7					13

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:45 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	0	3	5
7:00 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	0	3	8
7:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	1	0	0	0	1	6
7:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	0	4	6
Total Volume	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	11	0	0	0	11	25
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.700	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.000	0.000	0.688	0.781	
Buses	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	0.0	0.0	0.0	0.0	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	0	11	0	0	11	0	0	0	0	0	0	7	0	0	0	7	18
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	78.6	0.0	0.0	78.6	0.0	0.0	0.0	0.0	0.0	0.0	63.6	0.0	0.0	63.6	72.0	
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	0	4	7
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	36.4	0.0	0.0	36.4	28.0	
Buses	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	0	11	0	0	11	0	0	0	0	0	0	7	0	0	0	7	18
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	0	4	7
Total Entering Leg	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	11	0	0	0	11	25
Buses	0					0					0					0					0	

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



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

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
Single-Unit Trucks					0					7					0					11	18
Articulated Trucks					0					4					0					3	7
Total Exiting Leg					0					11					0					14	25

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Buses

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	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
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	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
7:45 AM	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
8:00 AM	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
8:30 AM	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
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	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
Grand Total	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		
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					0					0					0

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:00 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	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
% 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
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
Entering Leg	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
Total	0					0					0					0					0

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Single-Unit Trucks

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
6:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	10
7:00 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	6
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
7:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
Total	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	7	0	0	7	17
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
8:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
8:45 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	7
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10	0	0	10	15
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
9:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
9:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5
9:45 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	6
Total	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	7	0	0	7	16
Grand Total	0	0	0	0	0	0	29	0	0	29	0	0	0	0	0	0	29	0	0	29	58
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	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	
Exiting Leg Total	0					29					0					29					58

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:45 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
6:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	0	2	4
7:00 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	0	2	6
7:15 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	0	1	5
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2	3
Total Volume	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	7	0	0	0	7	18
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.000	0.000	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.875	0.000	0.000	0.875	0.750	
Entering Leg	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	7	0	0	0	7	18
Exiting Leg	0					7					0					11					18	
Total	0					18					0					18					36	

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Articulated Trucks

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
7:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	2
7:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	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
8:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
8:30 AM	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
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
9:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
9:45 AM	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	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Grand Total	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	6	0	0	6	13
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	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	53.8	0.0	0.0	53.8	0.0	0.0	0.0	0.0	0.0	0.0	46.2	0.0	0.0	46.2	
Exiting Leg Total	0					6					0					7					13

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:45 AM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1
7:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2
Total Volume	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	0	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	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.000	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.583
Entering Leg	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	0	4
Exiting Leg	0					4					0					3					7
Total	0					7					0					7					14

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Bicycles (on Roadway and Crosswalks)

	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 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	0	0	0	0	
6:15 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	0	0	0	0	
6:30 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	0	0	0	0	
6:45 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	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	
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	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	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	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	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	
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	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	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	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	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	
9:00 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	0	0	0	0	
9:15 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	0	0	0	0	
9:30 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	0	0	0	0	
9:45 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	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	
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	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			
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	0.0	0.0	0.0	0.0	
Exiting Leg Total	0							0							0							0							

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

6:00 AM	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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	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	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	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	0	0	0	0	0
Exiting Leg	0							0							0							0							0
Total	0							0							0							0							0

PDI File #: **207614 B**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **6:00 AM**
 End Time: **10:00 AM**
 Class:



Pedestrians

	Laschis East Drive								Ayers Village Road (Route 97)								Driveway								Ayers Village Road (Route 97)								Total
	from North								from East								from South								from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total					
6:00 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	0	0	0	0	0				
6:15 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	0	0	0	0	0				
6:30 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	0	0	0	0	0				
6:45 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	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				
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	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	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	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	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				
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	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	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	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	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				
9:00 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	0	0	0	0	0				
9:15 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	0	0	0	0	0				
9:30 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	0	0	0	0	0				
9:45 AM	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1				
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	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	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	100	0	100	0	0	0	0	0	0	0				
Exiting Leg Total	0								0								1								0								1

Peak Hour Analysis from 06:00 AM to 10:00 AM begins at:

9:00 AM	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
9:00 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	0	0	0	0	0
9:15 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	0	0	0	0	0
9:30 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	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	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	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	0.250
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	0.250	0.000	0.250	0.000	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	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
Exiting Leg	0							0							1							0							1
Total	0							0							2							0							2

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Cars and Heavy Vehicles (Combined)

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	77	0	0	77	0	0	0	0	0	0	86	0	0	86	163
3:15 PM	0	0	0	0	0	0	97	0	0	97	0	0	0	0	0	0	83	0	0	83	180
3:30 PM	0	0	0	0	0	0	107	0	0	107	0	0	0	0	0	0	97	0	0	97	204
3:45 PM	1	0	0	0	1	0	114	0	0	114	0	0	0	0	0	0	102	0	1	103	218
Total	1	0	0	0	1	0	395	0	0	395	0	0	0	0	0	0	368	0	1	369	765
4:00 PM	0	0	0	0	0	0	106	0	0	106	0	0	0	0	0	0	94	0	0	94	200
4:15 PM	0	0	0	0	0	0	117	0	0	117	0	0	0	0	0	0	99	0	0	99	216
4:30 PM	0	0	0	0	0	0	82	0	0	82	0	0	0	0	0	0	98	0	0	98	180
4:45 PM	0	0	0	0	0	0	103	0	0	103	0	0	0	0	0	0	99	0	0	99	202
Total	0	0	0	0	0	0	408	0	0	408	0	0	0	0	0	0	390	0	0	390	798
5:00 PM	0	0	0	0	0	0	87	0	0	87	0	0	0	0	0	0	113	0	0	113	200
5:15 PM	0	0	0	0	0	0	120	0	0	120	0	0	0	0	0	0	125	0	0	125	245
5:30 PM	0	0	0	0	0	0	98	0	0	98	0	0	0	0	0	0	95	0	0	95	193
5:45 PM	0	0	0	0	0	0	81	0	0	81	0	0	0	0	0	0	98	0	0	98	179
Total	0	0	0	0	0	0	386	0	0	386	0	0	0	0	0	0	431	0	0	431	817
6:00 PM	3	0	1	0	4	0	74	0	0	74	0	0	0	0	0	0	79	0	0	79	157
6:15 PM	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	0	67	0	0	67	131
6:30 PM	0	0	0	0	0	0	58	0	0	58	0	0	0	0	0	0	69	1	0	70	128
6:45 PM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	67	0	1	68	123
Total	3	0	1	0	4	0	251	0	0	251	0	0	0	0	0	0	282	1	1	284	539
Grand Total	4	0	1	0	5	0	1440	0	0	1440	0	0	0	0	0	0	1471	1	2	1474	2919
Approach %	80.0	0.0	20.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	99.8	0.1	0.1		
Total %	0.1	0.0	0.0	0.0	0.2	0.0	49.3	0.0	0.0	49.3	0.0	0.0	0.0	0.0	0.0	0.0	50.4	0.0	0.1	50.5	
Exiting Leg Total	1					1472					0					1446					2919
Cars	4	0	1	0	5	0	1413	0	0	1413	0	0	0	0	0	0	1453	1	2	1456	2874
% Cars	100.0	0.0	100.0	0.0	100.0	0.0	98.1	0.0	0.0	98.1	0.0	0.0	0.0	0.0	0.0	0.0	98.8	100.0	100.0	98.8	98.5
Exiting Leg Total	1					1454					0					1419					2874
Heavy Vehicles	0	0	0	0	0	0	27	0	0	27	0	0	0	0	0	0	18	0	0	18	45
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	1.5
Exiting Leg Total	0					18					0					27					45

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

4:45 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:45 PM	0	0	0	0	0	0	103	0	0	103	0	0	0	0	0	0	99	0	0	99	202	
5:00 PM	0	0	0	0	0	0	87	0	0	87	0	0	0	0	0	0	113	0	0	113	200	
5:15 PM	0	0	0	0	0	0	120	0	0	120	0	0	0	0	0	0	125	0	0	125	245	
5:30 PM	0	0	0	0	0	0	98	0	0	98	0	0	0	0	0	0	95	0	0	95	193	
Total Volume	0	0	0	0	0	0	408	0	0	408	0	0	0	0	0	0	432	0	0	432	840	
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.850	0.000	0.000	0.850	0.000	0.000	0.000	0.000	0.000	0.000	0.864	0.000	0.000	0.864	0.857	
Cars	0	0	0	0	0	0	403	0	0	403	0	0	0	0	0	0	429	0	0	429	832	
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	98.8	0.0	0.0	98.8	0.0	0.0	0.0	0.0	0.0	0.0	99.3	0.0	0.0	99.3	99.0	
Heavy Vehicles	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	8	
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.0	
Cars Enter Leg	0	0	0	0	0	0	403	0	0	403	0	0	0	0	0	0	429	0	0	429	832	
Heavy Enter Leg	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	8	
Total Entering Leg	0	0	0	0	0	0	408	0	0	408	0	0	0	0	0	0	432	0	0	432	840	
Cars Exiting Leg																					403	832
Heavy Exiting Leg																					5	8
Total Exiting Leg																					408	840

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Cars

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:00 PM	0	0	0	0	0	0	74	0	0	74	0	0	0	0	0	0	85	0	0	0	85	159
3:15 PM	0	0	0	0	0	0	95	0	0	95	0	0	0	0	0	0	79	0	0	0	79	174
3:30 PM	0	0	0	0	0	0	102	0	0	102	0	0	0	0	0	0	93	0	0	0	93	195
3:45 PM	1	0	0	0	1	0	112	0	0	112	0	0	0	0	0	0	102	0	1	103	216	
Total	1	0	0	0	1	0	383	0	0	383	0	0	0	0	0	0	359	0	1	360	744	
4:00 PM	0	0	0	0	0	0	101	0	0	101	0	0	0	0	0	0	91	0	0	0	91	192
4:15 PM	0	0	0	0	0	0	115	0	0	115	0	0	0	0	0	0	98	0	0	0	98	213
4:30 PM	0	0	0	0	0	0	82	0	0	82	0	0	0	0	0	0	97	0	0	0	97	179
4:45 PM	0	0	0	0	0	0	102	0	0	102	0	0	0	0	0	0	99	0	0	0	99	201
Total	0	0	0	0	0	0	400	0	0	400	0	0	0	0	0	0	385	0	0	0	385	785
5:00 PM	0	0	0	0	0	0	84	0	0	84	0	0	0	0	0	0	111	0	0	0	111	195
5:15 PM	0	0	0	0	0	0	119	0	0	119	0	0	0	0	0	0	124	0	0	0	124	243
5:30 PM	0	0	0	0	0	0	98	0	0	98	0	0	0	0	0	0	95	0	0	0	95	193
5:45 PM	0	0	0	0	0	0	81	0	0	81	0	0	0	0	0	0	98	0	0	0	98	179
Total	0	0	0	0	0	0	382	0	0	382	0	0	0	0	0	0	428	0	0	0	428	810
6:00 PM	3	0	1	0	4	0	73	0	0	73	0	0	0	0	0	0	79	0	0	0	79	156
6:15 PM	0	0	0	0	0	0	63	0	0	63	0	0	0	0	0	0	66	0	0	0	66	129
6:30 PM	0	0	0	0	0	0	57	0	0	57	0	0	0	0	0	0	69	1	0	0	70	127
6:45 PM	0	0	0	0	0	0	55	0	0	55	0	0	0	0	0	0	67	0	1	1	68	123
Total	3	0	1	0	4	0	248	0	0	248	0	0	0	0	0	0	281	1	1	1	283	535
Grand Total	4	0	1	0	5	0	1413	0	0	1413	0	0	0	0	0	0	1453	1	2	1456	2874	
Approach %	80.0	0.0	20.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	99.8	0.1	0.1			
Total %	0.1	0.0	0.0	0.0	0.2	0.0	49.2	0.0	0.0	49.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6	0.0	0.1	50.7		
Exiting Leg Total	1					1454					0					1419					2874	

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

4:45 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
4:45 PM	0	0	0	0	0	0	102	0	0	102	0	0	0	0	0	0	99	0	0	0	99	201
5:00 PM	0	0	0	0	0	0	84	0	0	84	0	0	0	0	0	0	111	0	0	0	111	195
5:15 PM	0	0	0	0	0	0	119	0	0	119	0	0	0	0	0	0	124	0	0	0	124	243
5:30 PM	0	0	0	0	0	0	98	0	0	98	0	0	0	0	0	0	95	0	0	0	95	193
Total Volume	0	0	0	0	0	0	403	0	0	403	0	0	0	0	0	0	429	0	0	0	429	832
% Approach Total	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	100.0	0.0	0.0	0.0	0.0	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.847	0.000	0.000	0.847	0.000	0.000	0.000	0.000	0.000	0.000	0.865	0.000	0.000	0.000	0.865	0.856
Entering Leg	0	0	0	0	0	0	403	0	0	403	0	0	0	0	0	0	429	0	0	0	429	832
Exiting Leg	0					429					0					403					832	832
Total	0					832					0					832					1664	

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



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

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	1	0	0	0	1	4
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	4	0	0	4	6
3:30 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	4	0	0	4	9
3:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	9	0	0	9	21
4:00 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	3	0	0	3	8
4:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	0	1	3
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
4:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	0	5	0	0	5	13
5:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	2	0	0	2	5
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1	2
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
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
Total	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	3	0	0	3	7
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	1	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	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	3	0	0	3	0	0	0	0	0	0	0	1	0	0	1	4
Grand Total	0	0	0	0	0	0	27	0	0	27	0	0	0	0	0	0	0	18	0	0	18	45
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	100.0	0.0	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0	
Exiting Leg Total	0					18					0					27					45	
Buses	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	0.0	0.0	0.0	0.0	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	0	24	0	0	24	0	0	0	0	0	0	0	16	0	0	16	40
% Single-Unit	0.0	0.0	0.0	0.0	0.0	0.0	88.9	0.0	0.0	88.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.9	0.0	0.0	88.9	88.9
Exiting Leg Total	0					16					0					24					40	
Articulated Trucks	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	2	0	0	2	5
% Articulated	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	11.1	11.1
Exiting Leg Total	0					2					0					3					5	

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	0	4	6
3:30 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	4	0	0	0	4	9
3:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
4:00 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	0	3	8
Total Volume	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	11	0	0	0	11	25
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.700	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000	0.000	0.688	0.000	0.000	0.688	0.694	
Buses	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	0.0	0.0	0.0	0.0	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	0	13	0	0	13	0	0	0	0	0	0	9	0	0	0	9	22
Single-Unit %	0.0	0.0	0.0	0.0	0.0	0.0	92.9	0.0	0.0	92.9	0.0	0.0	0.0	0.0	0.0	0.0	81.8	0.0	0.0	81.8	88.0	
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2	3
Articulated %	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	18.2	12.0	
Buses	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	0	13	0	0	13	0	0	0	0	0	0	9	0	0	0	9	22
Articulated Trucks	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	0	2	3
Total Entering Leg	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	11	0	0	0	11	25
Buses	0					0					0					0					0	

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



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

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
Single-Unit Trucks					0					9					0					13	22
Articulated Trucks					0					2					0					1	3
Total Exiting Leg					0					11					0					14	25

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Buses

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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
Total	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
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	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
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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		
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					0					0					0

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:00 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	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
% 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	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
Exiting Leg	0					0					0					0					0
Total	0					0					0					0					

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Single-Unit Trucks

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	0	4	6
3:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	0	3	7
3:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	8	0	0	0	8	18
4:00 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	0	2	7
4:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
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
Total	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	4	0	0	0	4	11
5:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	2	0	0	0	2	5
5:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
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
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
Total	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	0	3	7
6:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
6:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
6:45 PM	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	3	0	0	3	0	0	0	0	0	0	1	0	0	0	1	4
Grand Total	0	0	0	0	0	0	24	0	0	24	0	0	0	0	0	0	16	0	0	0	16	40
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	100.0	0.0	0.0			
Total %	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0		
Exiting Leg Total	0					16					0					24					40	

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total	
	from North					from East					from South					from West						
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total		
3:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	0	4	6
3:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	3	0	0	0	3	7
3:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
4:00 PM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	0	2	7
Total Volume	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	9	0	0	0	9	22
% 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	100.0	0.0	0.0			
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.650	0.000	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.000	0.563	0.000	0.000	0.563	0.786	
Entering Leg	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	9	0	0	0	9	22
Exiting Leg	0					9					0					13					22	
Total	0					22					0					22					44	

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Articulated Trucks

	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
4:00 PM	0	0	0	0	0	0	0	0	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	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
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	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	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
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	5
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	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	40.0	
Exiting Leg Total	0					2					0					3					5

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:00 PM	Laschis East Drive					Ayers Village Road (Route 97)					Driveway					Ayers Village Road (Route 97)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
3:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
3:45 PM	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	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
% 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	100.0	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	0.375
Entering Leg	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
Exiting Leg	0					1					0					2					3
Total	0					3					0					3					

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Bicycles (on Roadway and Crosswalks)

	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:00 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	0	0	0	0	0
3:15 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	0	0	0	0	0
3:30 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	0	0	0	0	0
3:45 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	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
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	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	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	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	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	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	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	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
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
Grand Total	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Approach %	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		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	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	0.0	0.0	0.0	0.0	0.0	
Exiting Leg Total	0							0							0							1							1

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:15 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	0	0	0	0	0
3:30 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	0	0	0	0	0
3:45 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	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
% Approach Total	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	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	0.250	0.000	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	0.000	0.000	0.000	0.250
Entering Leg	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Exiting Leg	0							0							0							1							1
Total	0							1							0							1							2

PDI File #: **207614 BB**
 Location: **N: Laschis East Drive S: Driveway**
 Location: **E: Ayers Village Road (Route 97) W: Ayers Village Road (Route 97)**
 City, State: **Methuen, MA**
 Client: **GPI/ D. Halpert**
 Site Code: **MAX-0466019.00**
 Count Date: **Tuesday, September 15, 2020**
 Start Time: **3:00 PM**
 End Time: **7:00 PM**
 Class:



Pedestrians

	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)							Total
	from North							from East							from South							from West							
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total	
3:00 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	0	0	0	0	0
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
3:30 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	0	0	0	0	0
3:45 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	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
4:00 PM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	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	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	0	0	0	0	0
Total	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
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	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	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	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	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
6:00 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	0	0	0	0	0
6:15 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	0	0	0	0	0
6:30 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	0	0	0	0	0
6:45 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	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
Grand Total	0	0	0	0	1	1	2	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	4
Approach %	0	0	0	0	50	50		0	0	0	0	0	100		0	0	0	0	0	100		0	0	0	0	0	0		
Total %	0	0	0	0	25	25	50	0	0	0	0	0	25	25	0	0	0	0	0	25	25	0	0	0	0	0	0		
Exiting Leg Total	2							1							1							0							4

Peak Hour Analysis from 03:00 PM to 07:00 PM begins at:

3:15 PM	Laschis East Drive							Ayers Village Road (Route 97)							Driveway							Ayers Village Road (Route 97)								
	from North							from East							from South							from West								
	Right	Thru	Left	U-Turn	CW-EB	CW-WB	Total	Right	Thru	Left	U-Turn	CW-SB	CW-NB	Total	Right	Thru	Left	U-Turn	CW-WB	CW-EB	Total	Right	Thru	Left	U-Turn	CW-NB	CW-SB	Total		
3:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
3:30 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	0	0	0	0	0	0
3:45 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	0	0	0	0	0	0
4:00 PM	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	3
% 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	100.0		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	0.250	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	
Entering Leg	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	3	
Exiting Leg	1							1							1							0							3	
Total	2							2							2							0							6	

TRAFFIC-VOLUME ADJUSTMENT DATA

MassDOT Traffic Volumes

STATION 5122 - HAVERHILL - RTE.I-495 - SOUTH OF RTE. 97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AADT ^b
2019	91,971	94,015	98,061	104,607	111,734	118,486	123,234	124,563	112,993	109,674	100,947	93,518	106,984
	14.0%	12.1%	8.3%	2.2%	-4.4%	-10.8%	-15.2%	-16.4%	-5.6%	-2.5%	5.6%	12.6%	0.0%

Seasonal Adj. ^c 14.0% 12.1% 8.3% 2.2% -4.4% -10.8% -15.2% -16.4% -5.6% -2.5% 5.6% 12.6% 0.0%

STATION 5070 - HAVERHILL - RTE.I-495 - NORTH OF RTE. 97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	AADT ^b
2016	80,276	81,829	88,289	93,316	101,017	108,802		113,986	101,309		86,811	84,597	94,023
	14.6%	13.0%	6.1%	0.8%	-7.4%	-15.7%		-21.2%	-7.7%		7.7%	10.0%	0.0%
2019	82,386	82,429	89,185	93,320	103,099	107,616	111,782	107,164	101,963	100,100	79,460	73,427	94,328
	12.7%	12.6%	5.5%	1.1%	-9.3%	-14.1%	-18.5%	-13.6%	-8.1%	-6.1%	15.8%	22.2%	0.0%

Seasonal Adj. ^c 9.1% 8.5% 3.9% 0.6% -5.6% -9.9% -9.3% -11.6% -5.3% -3.1% 7.8% 10.7% 0.0%

Average 11.6% 10.3% 6.1% 1.4% -5.0% -10.4% -12.3% -14.0% -5.5% -2.8% 6.7% 11.7% 0.0%

^a Based upon historical data. Source: MassDOT Transportation Data Management System

^b Average Annual Daily Traffic.

^c Seasonal adjustment to yearly average.

Traffic Growth Factor Worksheet

Temporary Count Stations

(Source: MassDOT Transportation Data Management System)

STA.	CITY/TOWN	ROUTE/STREET	LOCATION	2013	2014	2015	2016	2017	2018	2019	Average % Growth
5122	HAVERHILL	INTERSTATE 495	SOUTH OF ROUTE 97			101,829	107,805	113,805	113,361	101,695	0.2%
5070	HAVERHILL	INTERSTATE 495	NORTH OF ROUTE 97			92,557	94,461			93,469	0.3%
RPA07-128-62517	HAVERHILL	RIVER STREET	EAST OF LOWELL AVENUE	19,125		18,914	19,223		18,671		-0.5%

^a Based upon historical data. Source: MassDOT Transportation Data Management System

Average Growth: 0.0%

Say: 0.5%

COVID-19 TRAFFIC VOLUME ADJUSTMENT FACTORS

Count Station #5070 - Interstate 495 north of Broadway (Route 97)

Time Period	Weekday
Available Count Data Closest to Count Date (September 1, 2020)	93,986
September 10 & 11, 2019 (Prior to Restrictions)	102,793
Percentage Increase	9%
2019 AADT	93,469

Count Station #5122 - Interstate 495 south of Broadway (Route 97)

Time Period	Weekday
Available Count Data Closest to Count Date (April 28 & 29, 2020)	65,883
April 23 & 24, 2019 (Prior to Restrictions)	109,001
Percentage Increase	65%
2019 AADT	106,695

** Stay-at-Home and Closure of Non-Essential Businesses enacted at 11:59 PM on Friday, March 13, 2020

	Weekday
COVID-19 ADJUSTMENT USED	65%

Location Info		Count Data Info	
Location ID	5070	Start Date	9/1/2020
Type	I-SECTION	End Date	9/2/2020
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	2-WAY
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	507002
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	544		
01:00 - 02:00	388		
02:00 - 03:00	339		
03:00 - 04:00	492		
04:00 - 05:00	1202		
05:00 - 06:00	2988		
06:00 - 07:00	4741		
07:00 - 08:00	5910		
08:00 - 09:00	5405		
09:00 - 10:00	5139		
10:00 - 11:00	5113		
11:00 - 12:00	5164		
12:00 - 13:00	5630		
13:00 - 14:00	5824		
14:00 - 15:00	6783		
15:00 - 16:00	7824		
16:00 - 17:00	7589		
17:00 - 18:00	7055		
18:00 - 19:00	4835		
19:00 - 20:00	3642		
20:00 - 21:00	2871		
21:00 - 22:00	2075		
22:00 - 23:00	1426		
23:00 - 24:00	1007		
TOTAL	93986		

Location Info		Count Data Info	
Location ID	5070	Start Date	9/10/2019
Type	I-SECTION	End Date	9/11/2019
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	2-WAY
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	507001
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	536		
01:00 - 02:00	352		
02:00 - 03:00	390		
03:00 - 04:00	513		
04:00 - 05:00	1270		
05:00 - 06:00	3286		
06:00 - 07:00	6428		
07:00 - 08:00	7435		
08:00 - 09:00	6579		
09:00 - 10:00	5809		
10:00 - 11:00	5387		
11:00 - 12:00	5452		
12:00 - 13:00	5484		
13:00 - 14:00	5519		
14:00 - 15:00	6972		
15:00 - 16:00	7708		
16:00 - 17:00	7806		
17:00 - 18:00	7595		
18:00 - 19:00	5660		
19:00 - 20:00	3854		
20:00 - 21:00	2838		
21:00 - 22:00	2101		
22:00 - 23:00	1333		
23:00 - 24:00	1073		
TOTAL	101380		

Location Info		Count Data Info	
Location ID	5070	Start Date	9/11/2019
Type	I-SECTION	End Date	9/12/2019
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	2-WAY
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	507001
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	532		
01:00 - 02:00	416		
02:00 - 03:00	419		
03:00 - 04:00	475		
04:00 - 05:00	1236		
05:00 - 06:00	3412		
06:00 - 07:00	6255		
07:00 - 08:00	7363		
08:00 - 09:00	6725		
09:00 - 10:00	5854		
10:00 - 11:00	5594		
11:00 - 12:00	5686		
12:00 - 13:00	5739		
13:00 - 14:00	5920		
14:00 - 15:00	7045		
15:00 - 16:00	7682		
16:00 - 17:00	7635		
17:00 - 18:00	7576		
18:00 - 19:00	6174		
19:00 - 20:00	4159		
20:00 - 21:00	3308		
21:00 - 22:00	2290		
22:00 - 23:00	1596		
23:00 - 24:00	1114		
TOTAL	104205		

Location Info		Count Data Info	
Location ID	5122	Start Date	4/28/2020
Type	I-SECTION	End Date	4/29/2020
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	2-WAY
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	512202
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	394		
01:00 - 02:00	278		
02:00 - 03:00	269		
03:00 - 04:00	373		
04:00 - 05:00	872		
05:00 - 06:00	2319		
06:00 - 07:00	3827		
07:00 - 08:00	3927		
08:00 - 09:00	3418		
09:00 - 10:00	3260		
10:00 - 11:00	3366		
11:00 - 12:00	3634		
12:00 - 13:00	4006		
13:00 - 14:00	4223		
14:00 - 15:00	4924		
15:00 - 16:00	5424		
16:00 - 17:00	5241		
17:00 - 18:00	4433		
18:00 - 19:00	3024		
19:00 - 20:00	2070		
20:00 - 21:00	1499		
21:00 - 22:00	1116		
22:00 - 23:00	902		
23:00 - 24:00	748		
TOTAL	63547		

Location Info		Count Data Info	
Location ID	5122	Start Date	4/29/2020
Type	I-SECTION	End Date	4/30/2020
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	2-WAY
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	512202
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	414		
01:00 - 02:00	322		
02:00 - 03:00	322		
03:00 - 04:00	383		
04:00 - 05:00	869		
05:00 - 06:00	2364		
06:00 - 07:00	3914		
07:00 - 08:00	4089		
08:00 - 09:00	3800		
09:00 - 10:00	3488		
10:00 - 11:00	3598		
11:00 - 12:00	3974		
12:00 - 13:00	4252		
13:00 - 14:00	4708		
14:00 - 15:00	5275		
15:00 - 16:00	5864		
16:00 - 17:00	5651		
17:00 - 18:00	4773		
18:00 - 19:00	3372		
19:00 - 20:00	2288		
20:00 - 21:00	1568		
21:00 - 22:00	1189		
22:00 - 23:00	937		
23:00 - 24:00	805		
TOTAL	68219		

Location Info		Count Data Info	
Location ID	5122	Start Date	4/23/2019
Type	I-SECTION	End Date	4/24/2019
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	512202
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	565		
01:00 - 02:00	397		
02:00 - 03:00	440		
03:00 - 04:00	551		
04:00 - 05:00	1638		
05:00 - 06:00	3775		
06:00 - 07:00	7047		
07:00 - 08:00	7630		
08:00 - 09:00	6805		
09:00 - 10:00	5480		
10:00 - 11:00	5316		
11:00 - 12:00	5410		
12:00 - 13:00	5414		
13:00 - 14:00	5968		
14:00 - 15:00	7226		
15:00 - 16:00	8539		
16:00 - 17:00	8675		
17:00 - 18:00	8181		
18:00 - 19:00	5847		
19:00 - 20:00	4065		
20:00 - 21:00	3080		
21:00 - 22:00	2367		
22:00 - 23:00	1727		
23:00 - 24:00	1234		
TOTAL	107377		

Location Info		Count Data Info	
Location ID	5122	Start Date	4/24/2019
Type	I-SECTION	End Date	4/25/2019
Functional Class	1	Start Time	12:00 AM
Located On	INTERSTATE 495	End Time	12:00 AM
Between	AND	Direction	
Direction	2-WAY	Notes	
Community	Haverhill	Count Source	512202
MPO_ID		File Name	
HPMS ID	1.28037E+11	Weather	
Agency	Massachusetts Highway Department	Study	
		Owner	wjt
		QC Status	Accepted
Interval: 60 mins			
Time	Hourly Count		
00:00 - 01:00	710		
01:00 - 02:00	468		
02:00 - 03:00	405		
03:00 - 04:00	543		
04:00 - 05:00	1596		
05:00 - 06:00	3834		
06:00 - 07:00	7024		
07:00 - 08:00	7990		
08:00 - 09:00	7010		
09:00 - 10:00	5886		
10:00 - 11:00	5300		
11:00 - 12:00	5357		
12:00 - 13:00	5600		
13:00 - 14:00	5924		
14:00 - 15:00	7336		
15:00 - 16:00	8517		
16:00 - 17:00	8847		
17:00 - 18:00	8766		
18:00 - 19:00	6333		
19:00 - 20:00	4335		
20:00 - 21:00	3427		
21:00 - 22:00	2424		
22:00 - 23:00	1754		
23:00 - 24:00	1238		
TOTAL	110624		

TRAFFIC IMPACT AND ACCESS STUDY

Proposed Contractor Buildings – Methuen, Massachusetts

MASSDOT CRASH DATA

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : METHUEN COUNT DATE : Sep-20

DISTRICT : 4 UNSIGNALIZED : ☒ SIGNALIZED : ☐

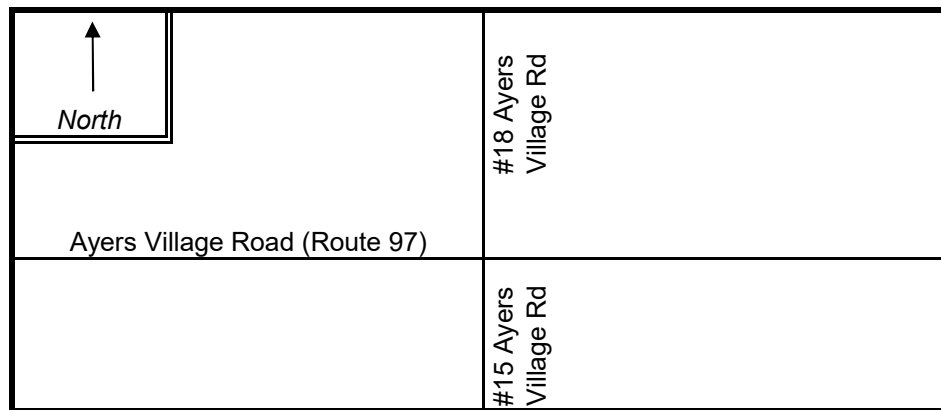
~ INTERSECTION DATA ~

MAJOR STREET : AYERS VILLAGE ROAD (ROUTE 97)

MINOR STREET(S) : #15 AYERS VILLAGE ROAD (ROUTE 97)

#18 AYERS VILLAGE ROAD (ROUTE 97)

**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) :	399	447	0	15		861

" K " FACTOR : 0.094 INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME : 9,160

TOTAL # OF CRASHES : 2 # OF YEARS : 5 AVERAGE # OF CRASHES PER YEAR (A) : 0.40

CRASH RATE CALCULATION :

0.12

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

Comments : "K" Factor calculated from ATRs along Route 97

Project Title & Date: MAX-0466019.00 - Mixed-Use Development, Methuen, MA

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : METHUEN COUNT DATE : Sep-20

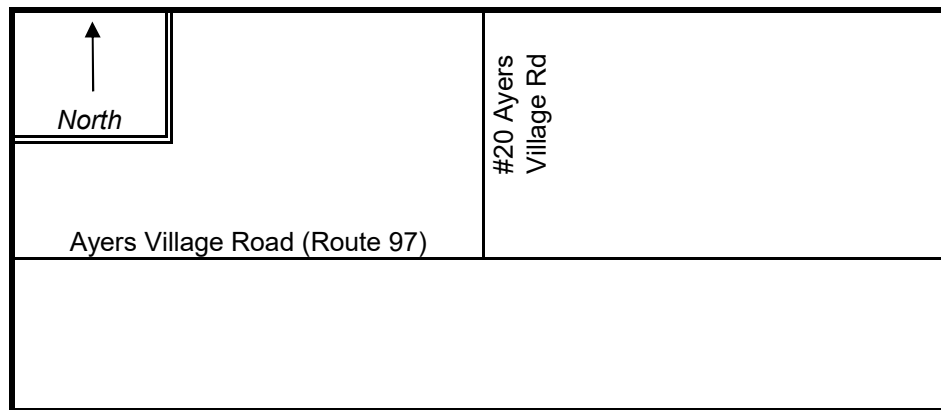
DISTRICT : 4 UNSIGNALIZED : ☒ SIGNALIZED : ☐

~ INTERSECTION DATA ~

MAJOR STREET : AYERS VILLAGE ROAD (ROUTE 97)

MINOR STREET(S) : #20 AYERS VILLAGE ROAD (ROUTE 97)

**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) :	393	0		446		839

" K " FACTOR :

0.094

INTERSECTION ADT (**V**) = TOTAL DAILY
APPROACH VOLUME :

8,926

TOTAL # OF CRASHES :

1

OF
YEARS :

5

AVERAGE # OF
CRASHES PER YEAR (**A**) :

0.20

CRASH RATE CALCULATION :

0.06

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

Comments : "K" Factor calculated from ATRs along Route 97

Project Title & Date: MAX-0466019.00 - Mixed-Use Development, Methuen, MA

Crash Date	Day of Week	Crash Severity	Crash Time	Number of Vehicles	Driver Contributing Circumstances (All Drivers)	Light Conditions	Manner of Collision	Road Surface Condition	Roadway Junction Type	Total Fatalities	Total Non-Fatal Injuries	Vehicle Actions Prior to Crash (All Vehicles)	Vehicle Configuration (All Vehicles)	Vehicle Travel Directions (All Vehicles)	Weather Conditions	Most Harmful Event (All Vehicles)	Road Contributing Circumstance	Street Number	Roadway
11/26/2014	Wednesday	Property damage only (none injured)	9:52 PM	2		Dark - roadway not lighted	Angle	Snow	Driveway	0	0	V1: Travelling straight ahead / V2: Slowing or stopped in traffic	V1:(Passenger car) / V2:(Light truck(van, mini-van, pickup, sport utility))	V1: N / V2: N	Snow/Rain	V1:(Collision with motor vehicle in traffic) / V2:(Collision with motor vehicle in traffic)	Road surface condition (wet, icy, snow, slush, etc.)	24	AYERS VILLAGE RD
05/17/2017	Wednesday	Property damage only (none injured)	5:04 PM	3	D1: (),(Failed to yield right of way) / D3: (No improper driving)	Daylight	Angle	Dry	Not at junction	0	0	V1: Turning left / V2: Travelling straight ahead / V3: Slowing or stopped in traffic	V1:(Light truck(van, mini-van, pickup, sport utility)) / V2:(Passenger car) / V3:(Passenger car)	V1: E / V2: E / V3: W	Clear/ Clear	V1:(Collision with motor vehicle in traffic) / V2:(Collision with motor vehicle in traffic) / V3:(Collision with motor vehicle in traffic)	None	18	AYERS VILLAGE RD
05/20/2017	Saturday	Property damage only (none injured)	12:10 PM	2	D1: (Visibility obstructed),(Other improper action) / D2: (No improper driving)	Daylight	Angle	Dry	Not at junction	0	0	V1: Backing / V2: Slowing or stopped in traffic	V1:(Tractor/se mi-trailer) / V2:(Light truck(van, mini-van, pickup, sport utility))	V1: E / V2: E	Clear/ Clear	V1:(Collision with motor vehicle in traffic) / V2:(Collision with motor vehicle in traffic)	None	18	AYERS VILLAGE ROAD

TRIP-GENERATION CALCULATIONS

Institute of Transportation Engineers (ITE)

Land Use Code (LUC) 180 - Specialty Trade Contractor

General Urban/Suburban

Average Vehicle Trips Ends vs: 1,000 Sq. Feet Gross Floor Area

Independent Variable (X): 30.000

AVERAGE WEEKDAY DAILY

$$T = 10.22 * (X)$$

$$T = 10.22 * 30.000$$

$$T = 306.60$$

$$T = 306 \text{ vehicle trips}$$

with 50% (153 vpd) entering and 50% (153 vpd) exiting.

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 1.66 * (X)$$

$$T = 1.66 * 30.000$$

$$T = 49.80$$

$$T = 50 \text{ vehicle trips}$$

with 73% (37 vph) entering and 27% (13 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 1.97 * (X)$$

$$T = 1.97 * 30.000$$

$$T = 59.10$$

$$T = 59 \text{ vehicle trips}$$

with 32% (19 vph) entering and 68% (40 vph) exiting.

Trip Distribution

	To/From	
	AM	PM
WEST	247	458
<u>EAST</u>	<u>282</u>	<u>393</u>
TOTAL	529	851

	% To/From		Average	USE
	AM	PM		
WEST	47%	54%	50%	50%
<u>EAST</u>	<u>53%</u>	<u>46%</u>	<u>50%</u>	50%
TOTAL	100%	100%	100%	100%

CAPACITY ANALYSIS METHODOLOGY

CAPACITY ANALYSIS METHODOLOGY

A primary result of capacity analysis is the assignment of levels of service to traffic facilities under various traffic flow conditions. The capacity analysis methodology is based on the concepts and procedures in the *Highway Capacity Manual* (HCM).⁷ The concept of level of service (LOS) is defined as a qualitative measure describing operational conditions within a traffic stream and their perception by motorists and/or passengers. A level-of-service definition provides an index to quality of traffic flow in terms of such factors as speed, travel time, freedom to maneuver, traffic interruptions, comfort, convenience, and safety.

Six levels of service are defined for each type of facility. They are given letter designations from A to F, with LOS A representing the best operating conditions and LOS F the worst. Since the level of service of a traffic facility is a function of the traffic flows placed upon it, such a facility may operate at a wide range of levels of service, depending on the time of day, day of week, or period of year. A description of the operating condition under each level of service is provided below:

- *LOS A* describes conditions with little to no delay to motorists.
- *LOS B* represents a desirable level with relatively low delay to motorists.
- *LOS C* describes conditions with average delays to motorists.
- *LOS D* describes operations where the influence of congestion becomes more noticeable. Delays are still within an acceptable range.
- *LOS E* represents operating conditions with high delay values. This level is considered by many agencies to be the limit of acceptable delay.
- *LOS F* is considered to be unacceptable to most drivers with high delay values that often occur, when arrival flow rates exceed the capacity of the intersection.

Unsignalized Intersections

Levels of service for unsignalized intersections are calculated using the operational analysis methodology of the HCM. The procedure accounts for lane configuration on both the minor and major street approaches, conflicting traffic stream volumes, and the type of intersection control (STOP, YIELD, or all-way STOP control). The definition of level of service for unsignalized intersections is a function of average *control* delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. The level-of-service criteria for unsignalized intersections are shown in Table A-1.

⁷ *Highway Capacity Manual 6th Edition*, Transportation Research Board; Washington, D.C.; 2016.

TABLE A-1
Level-of-Service Criteria for Intersections

Level of Service	Unsignalized Intersection Criteria Average Control Delay (Seconds per Vehicle)
A	≤ 10
B	> 10 and ≤ 15
C	> 15 and ≤ 25
D	> 25 and ≤ 35
E	> 35 and ≤ 50
F	> 50 or $v/c > 1.0$

Source: *Highway Capacity Manual 6th Edition*,
Transportation Research Board; Washington,
D.C.; 2016. Pages 19-16, 20-6, and 21-9.

For signalized intersections, this delay criterion may be applied in assigning level-of-service designations to individual lane groups, to individual intersection approaches, or to the entire intersection. For unsignalized intersections, this delay criterion may be applied in assigning level-of-service designations to individual lane groups or to individual intersection approaches.

CAPACITY AND QUEUE ANALYSIS WORKSHEETS

Lanes, Volumes, Timings

2027 No-Build Conditions

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	1	292	1	0	255	0	1	0	0	0	0	0
Future Volume (vph)	1	292	1	0	255	0	1	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt												
Flt Protected								0.950				
Satd. Flow (prot)	0	1938	0	0	1949	0	0	1023	0	0	2153	0
Flt Permitted								0.950				
Satd. Flow (perm)	0	1938	0	0	1949	0	0	1023	0	0	2153	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	100%	4%	100%	0%	4%	0%	100%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 No-Build Conditions
Timing Plan: Weekday AM

Intersection

Int Delay, s/veh 0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
----------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Lane Configurations												
Traffic Vol, veh/h	1	292	1	0	255	0	1	0	0	0	0	0
Future Vol, veh/h	1	292	1	0	255	0	1	0	0	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	100	4	100	0	4	0	100	0	0	0	0	0
Mvmt Flow	1	324	1	0	283	0	1	0	0	0	0	0

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	283	0	0	325	0	0	610	610	325	610	610	283
Stage 1	-	-	-	-	-	-	327	327	-	283	283	-
Stage 2	-	-	-	-	-	-	283	283	-	327	327	-
Critical Hdwy	5.1	-	-	4.1	-	-	8.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	7.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	7.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	3.1	-	-	2.2	-	-	4.4	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	876	-	-	1246	-	-	294	412	721	409	412	761
Stage 1	-	-	-	-	-	-	521	651	-	728	681	-
Stage 2	-	-	-	-	-	-	554	681	-	690	651	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	876	-	-	1246	-	-	294	412	721	409	412	761
Mov Cap-2 Maneuver	-	-	-	-	-	-	294	412	-	409	412	-
Stage 1	-	-	-	-	-	-	520	650	-	727	681	-
Stage 2	-	-	-	-	-	-	554	681	-	689	650	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0		0		17.3		0
HCM LOS					C		A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	294	876	-	-	1246	-	-	-
HCM Lane V/C Ratio	0.004	0.001	-	-	-	-	-	-
HCM Control Delay (s)	17.3	9.1	0	-	0	-	-	0
HCM Lane LOS	C	A	A	-	A	-	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	-

Lanes, Volumes, Timings

2027 No-Build Conditions

2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	4	288	0	0	255	1	0	0	0	0	0	0
Future Volume (vph)	4	288	0	0	255	1	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	12	12	12	10	10	10
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt												
Flt Protected		0.999										
Satd. Flow (prot)	0	1966	0	0	1968	0	0	1900	0	0	1773	0
Flt Permitted		0.999										
Satd. Flow (perm)	0	1966	0	0	1968	0	0	1900	0	0	1773	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		163			497			447			477	
Travel Time (s)		3.2			9.7			15.2			16.3	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	0%	3%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

2027 No-Build Conditions
Timing Plan: Weekday AM

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
----------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Lane Configurations												
Traffic Vol, veh/h	4	288	0	0	255	1	0	0	0	0	0	0
Future Vol, veh/h	4	288	0	0	255	1	0	0	0	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	4	320	0	0	283	1	0	0	0	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	284	0	0	320	0	0	612	612	320	612	612	284
Stage 1	-	-	-	-	-	-	328	328	-	284	284	-
Stage 2	-	-	-	-	-	-	284	284	-	328	328	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1290	-	-	1251	-	-	408	411	725	408	411	760
Stage 1	-	-	-	-	-	-	689	651	-	727	680	-
Stage 2	-	-	-	-	-	-	727	680	-	689	651	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1290	-	-	1251	-	-	407	409	725	407	409	760
Mov Cap-2 Maneuver	-	-	-	-	-	-	407	409	-	407	409	-
Stage 1	-	-	-	-	-	-	686	648	-	724	680	-
Stage 2	-	-	-	-	-	-	727	680	-	686	648	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0.1		0		0		0
HCM LOS					A		A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1290	-	-	1251	-	-	-
HCM Lane V/C Ratio	-	0.003	-	-	-	-	-	-
HCM Control Delay (s)	0	7.8	0	-	0	-	-	0
HCM Lane LOS	A	A	A	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	-

Lanes, Volumes, Timings

2027 No-Build Conditions

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	7	406	0	0	460	3	0	0	0	1	0	14
Future Volume (vph)	7	406	0	0	460	3	0	0	0	1	0	14
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.999						0.873	
Flt Protected		0.999									0.997	
Satd. Flow (prot)	0	1986	0	0	1966	0	0	2153	0	0	1759	0
Flt Permitted		0.999									0.997	
Satd. Flow (perm)	0	1986	0	0	1966	0	0	2153	0	0	1759	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	7%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 No-Build Conditions
Timing Plan: Weekday PM

Intersection

Int Delay, s/veh 0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations												
Traffic Vol, veh/h	7	406	0	0	460	3	0	0	0	1	0	14
Future Vol, veh/h	7	406	0	0	460	3	0	0	0	1	0	14
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	2	0	0	3	0	0	0	0	0	0	7
Mvmt Flow	7	423	0	0	479	3	0	0	0	1	0	15

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	482	0	0	423	0	0	925	919	423	918	918	481
Stage 1	-	-	-	-	-	-	437	437	-	481	481	-
Stage 2	-	-	-	-	-	-	488	482	-	437	437	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.27
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.363
Pot Cap-1 Maneuver	1091	-	-	1147	-	-	252	273	635	254	274	575
Stage 1	-	-	-	-	-	-	602	583	-	570	557	-
Stage 2	-	-	-	-	-	-	565	557	-	602	583	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1091	-	-	1147	-	-	244	271	635	252	272	575
Mov Cap-2 Maneuver	-	-	-	-	-	-	244	271	-	252	272	-
Stage 1	-	-	-	-	-	-	597	578	-	565	557	-
Stage 2	-	-	-	-	-	-	551	557	-	597	578	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	12
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1091	-	-	1147	-	-	530
HCM Lane V/C Ratio	-	0.007	-	-	-	-	-	0.029
HCM Control Delay (s)	0	8.3	0	-	0	-	-	12
HCM Lane LOS	A	A	A	-	A	-	-	B
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.1

Lanes, Volumes, Timings

2027 No-Build Conditions

2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	1	406	0	0	462	0	0	0	0	0	0	1
Future Volume (vph)	1	406	0	0	462	0	0	0	0	0	0	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	12	12	12	10	10	10
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt											0.865	
Flt Protected												
Satd. Flow (prot)	0	1987	0	0	1968	0	0	1900	0	0	1534	0
Flt Permitted												
Satd. Flow (perm)	0	1987	0	0	1968	0	0	1900	0	0	1534	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		163			497			452			477	
Travel Time (s)		3.2			9.7			15.4			16.3	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

2027 No-Build Conditions
Timing Plan: Weekday PM

Intersection

Int Delay, s/veh 0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations												
Traffic Vol, veh/h	1	406	0	0	462	0	0	0	0	0	0	1
Future Vol, veh/h	1	406	0	0	462	0	0	0	0	0	0	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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	2	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	1	423	0	0	481	0	0	0	0	0	0	1

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	481	0	0	423	0	0	907	906	423	906	906	481
Stage 1	-	-	-	-	-	-	425	425	-	481	481	-
Stage 2	-	-	-	-	-	-	482	481	-	425	425	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1092	-	-	1147	-	-	259	278	635	259	278	589
Stage 1	-	-	-	-	-	-	611	590	-	570	557	-
Stage 2	-	-	-	-	-	-	569	557	-	611	590	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1092	-	-	1147	-	-	258	278	635	259	278	589
Mov Cap-2 Maneuver	-	-	-	-	-	-	258	278	-	259	278	-
Stage 1	-	-	-	-	-	-	610	589	-	569	557	-
Stage 2	-	-	-	-	-	-	568	557	-	610	589	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	0	11.1
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1092	-	-	1147	-	-	589
HCM Lane V/C Ratio	-	0.001	-	-	-	-	-	0.002
HCM Control Delay (s)	0	8.3	0	-	0	-	-	11.1
HCM Lane LOS	A	A	A	-	A	-	-	B
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0

Lanes, Volumes, Timings

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 Build Conditions

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	288	1	0	255	20	1	0	0	7	0	6
Future Volume (vph)	23	288	1	0	255	20	1	0	0	7	0	6
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt					0.990						0.937	
Flt Protected		0.996						0.950			0.974	
Satd. Flow (prot)	0	1936	0	0	1932	0	0	1023	0	0	1927	0
Flt Permitted		0.996						0.950			0.974	
Satd. Flow (perm)	0	1936	0	0	1932	0	0	1023	0	0	1927	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	6%	4%	50%	0%	4%	2%	100%	0%	0%	2%	0%	2%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday AM

Intersection

Int Delay, s/veh 0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations												
Traffic Vol, veh/h	23	288	1	0	255	20	1	0	0	7	0	6
Future Vol, veh/h	23	288	1	0	255	20	1	0	0	7	0	6
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	6	4	50	0	4	2	100	0	0	2	0	2
Mvmt Flow	25	313	1	0	277	22	1	0	0	8	0	7

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	299	0	0	314	0	0	656	663	314	652	652	288
Stage 1	-	-	-	-	-	-	364	364	-	288	288	-
Stage 2	-	-	-	-	-	-	292	299	-	364	364	-
Critical Hdwy	4.16	-	-	4.1	-	-	8.1	6.5	6.2	7.12	6.5	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	7.1	5.5	-	6.12	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	7.1	5.5	-	6.12	5.5	-
Follow-up Hdwy	2.254	-	-	2.2	-	-	4.4	4	3.3	3.518	4	3.318
Pot Cap-1 Maneuver	1240	-	-	1258	-	-	272	384	731	381	390	751
Stage 1	-	-	-	-	-	-	494	627	-	720	677	-
Stage 2	-	-	-	-	-	-	547	670	-	655	627	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1240	-	-	1258	-	-	265	375	731	374	381	751
Mov Cap-2 Maneuver	-	-	-	-	-	-	265	375	-	374	381	-
Stage 1	-	-	-	-	-	-	482	612	-	703	677	-
Stage 2	-	-	-	-	-	-	542	670	-	639	612	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0.6		0		18.6		12.6
HCM LOS					C		B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	265	1240	-	-	1258	-	-	487
HCM Lane V/C Ratio	0.004	0.02	-	-	-	-	-	0.029
HCM Control Delay (s)	18.6	8	0	-	0	-	-	12.6
HCM Lane LOS	C	A	A	-	A	-	-	B
HCM 95th %tile Q(veh)	0	0.1	-	-	0	-	-	0.1

Lanes, Volumes, Timings
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday AM

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	295	0	0	275	0	0
Future Volume (vph)	295	0	0	275	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	12	12
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Flt						
Flt Protected						
Satd. Flow (prot)	1968	0	0	1968	1900	0
Flt Permitted						
Satd. Flow (perm)	1968	0	0	1968	1900	0
Link Speed (mph)	35			35	20	
Link Distance (ft)	163			497	447	
Travel Time (s)	3.2			9.7	15.2	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	3%	0%	0%	3%	0%	0%
Shared Lane Traffic (%)						
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					

HCM 6th TWSC
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday AM

Intersection

Int Delay, s/veh 0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	295	0	0	275	0	0
Future Vol, veh/h	295	0	0	275	0	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, %	3	0	0	3	0	0
Mvmt Flow	321	0	0	299	0	0

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	321
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	4.1	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	2.2	-
Pot Cap-1 Maneuver	-	1250	-
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	1250	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1250	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Lanes, Volumes, Timings

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 Build Conditions

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	17	405	0	0	459	13	0	0	0	21	0	35
Future Volume (vph)	17	405	0	0	459	13	0	0	0	21	0	35
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.996						0.916	
Flt Protected		0.998									0.981	
Satd. Flow (prot)	0	1983	0	0	1960	0	0	2153	0	0	1841	0
Flt Permitted		0.998									0.981	
Satd. Flow (perm)	0	1983	0	0	1960	0	0	2153	0	0	1841	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	0%	0%	3%	2%	0%	0%	0%	2%	0%	7%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

HCM 6th TWSC
1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday PM

Intersection

Int Delay, s/veh 1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	17	405	0	0	459	13	0	0	0	21	0	35
Future Vol, veh/h	17	405	0	0	459	13	0	0	0	21	0	35
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	0	0	3	2	0	0	0	2	0	7
Mvmt Flow	18	440	0	0	499	14	0	0	0	23	0	38

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	513	0	0	440	0	0	1001	989	440	982	982	506
Stage 1	-	-	-	-	-	-	476	476	-	506	506	-
Stage 2	-	-	-	-	-	-	525	513	-	476	476	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.5	6.2	7.12	6.5	6.27
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4	3.3	3.518	4	3.363
Pot Cap-1 Maneuver	1052	-	-	1131	-	-	223	249	621	228	251	556
Stage 1	-	-	-	-	-	-	574	560	-	549	543	-
Stage 2	-	-	-	-	-	-	540	539	-	570	560	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1052	-	-	1131	-	-	204	243	621	224	245	556
Mov Cap-2 Maneuver	-	-	-	-	-	-	204	243	-	224	245	-
Stage 1	-	-	-	-	-	-	561	547	-	536	543	-
Stage 2	-	-	-	-	-	-	503	539	-	557	547	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0	0	17.1
HCM LOS			A	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1052	-	-	1131	-	-	357
HCM Lane V/C Ratio	-	0.018	-	-	-	-	-	0.171
HCM Control Delay (s)	0	8.5	0	-	0	-	-	17.1
HCM Lane LOS	A	A	A	-	A	-	-	C
HCM 95th %tile Q(veh)	-	0.1	-	-	0	-	-	0.6

Lanes, Volumes, Timings
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday PM

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	426	0	0	472	0	0
Future Volume (vph)	426	0	0	472	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	12	12
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Flt						
Flt Protected						
Satd. Flow (prot)	1987	0	0	1968	1900	0
Flt Permitted						
Satd. Flow (perm)	1987	0	0	1968	1900	0
Link Speed (mph)	35			35	20	
Link Distance (ft)	163			497	452	
Travel Time (s)	3.2			9.7	15.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	0%	0%	3%	0%	0%
Shared Lane Traffic (%)						
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					

HCM 6th TWSC
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions
Timing Plan: Weekday PM

Intersection

Int Delay, s/veh 0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	426	0	0	472	0	0
Future Vol, veh/h	426	0	0	472	0	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	0	0	3	0	0
Mvmt Flow	463	0	0	513	0	0

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	463
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	4.1	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	2.2	-
Pot Cap-1 Maneuver	-	1109	-
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	1109	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	1109	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Lanes, Volumes, Timings

2027 No-Build Conditions - COVID-19 Adjustment

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	2	482	2	0	421	0	2	0	0	0	0	0
Future Volume (vph)	2	482	2	0	421	0	2	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.999										
Flt Protected								0.950				
Satd. Flow (prot)	0	1934	0	0	1949	0	0	1023	0	0	2153	0
Flt Permitted								0.950				
Satd. Flow (perm)	0	1934	0	0	1949	0	0	1023	0	0	2153	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	100%	4%	100%	0%	4%	0%	100%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations

Traffic Vol, veh/h	2	482	2	0	421	0	2	0	0	0	0	0
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Future Vol, veh/h	2	482	2	0	421	0	2	0	0	0	0	0
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Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
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Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
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RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
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Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
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Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
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Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
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Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
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Heavy Vehicles, %	100	4	100	0	4	0	100	0	0	0	0	0
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Mvmt Flow	2	536	2	0	468	0	2	0	0	0	0	0
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Major/Minor	Major1	Major2	Minor1	Minor2
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Conflicting Flow All	468	0	0	538	0	0	1009	1009	537	1009	1010	468
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Stage 1	-	-	-	-	-	-	541	541	-	468	468	-
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Stage 2	-	-	-	-	-	-	468	468	-	541	542	-
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Critical Hdwy	5.1	-	-	4.1	-	-	8.1	6.5	6.2	7.1	6.5	6.2
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Critical Hdwy Stg 1	-	-	-	-	-	-	7.1	5.5	-	6.1	5.5	-
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Critical Hdwy Stg 2	-	-	-	-	-	-	7.1	5.5	-	6.1	5.5	-
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Follow-up Hdwy	3.1	-	-	2.2	-	-	4.4	4	3.3	3.5	4	3.3
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Pot Cap-1 Maneuver	727	-	-	1040	-	-	147	242	548	221	242	599
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Stage 1	-	-	-	-	-	-	385	524	-	579	565	-
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Stage 2	-	-	-	-	-	-	427	565	-	529	523	-
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Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
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Mov Cap-1 Maneuver	727	-	-	1040	-	-	147	241	548	220	241	599
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Mov Cap-2 Maneuver	-	-	-	-	-	-	147	241	-	220	241	-
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Stage 1	-	-	-	-	-	-	383	522	-	577	565	-
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Stage 2	-	-	-	-	-	-	427	565	-	527	521	-
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Approach	EB	WB	NB	SB
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HCM Control Delay, s	0	0	29.9	0
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HCM LOS			D	A
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Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
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Capacity (veh/h)	147	727	-	-	1040	-	-	-
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HCM Lane V/C Ratio	0.015	0.003	-	-	-	-	-	-
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HCM Control Delay (s)	29.9	10	0	-	0	-	-	0
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HCM Lane LOS	D	A	A	-	A	-	-	A
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HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	-
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Lanes, Volumes, Timings

2027 No-Build Conditions - COVID-19 Adjustment

2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	7	475	0	0	421	2	0	0	0	0	0	0
Future Volume (vph)	7	475	0	0	421	2	0	0	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	12	12	12	10	10	10
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt					0.999							
Flt Protected		0.999										
Satd. Flow (prot)	0	1967	0	0	1966	0	0	1900	0	0	1773	0
Flt Permitted		0.999										
Satd. Flow (perm)	0	1967	0	0	1966	0	0	1900	0	0	1773	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		163			497			447			477	
Travel Time (s)		3.2			9.7			15.2			16.3	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	0%	3%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	7	475	0	0	421	2	0	0	0	0	0	0
Future Vol, veh/h	7	475	0	0	421	2	0	0	0	0	0	0
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	8	528	0	0	468	2	0	0	0	0	0	0

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	470	0	0	528	0	0	1013	1014	528	1013	1013	469
Stage 1	-	-	-	-	-	-	544	544	-	469	469	-
Stage 2	-	-	-	-	-	-	469	470	-	544	544	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1102	-	-	1049	-	-	219	240	554	219	241	598
Stage 1	-	-	-	-	-	-	527	522	-	579	564	-
Stage 2	-	-	-	-	-	-	579	563	-	527	522	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1102	-	-	1049	-	-	217	238	554	217	239	598
Mov Cap-2 Maneuver	-	-	-	-	-	-	217	238	-	217	239	-
Stage 1	-	-	-	-	-	-	522	517	-	573	564	-
Stage 2	-	-	-	-	-	-	579	563	-	522	517	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0	0	0
HCM LOS			A	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1102	-	-	1049	-	-	-
HCM Lane V/C Ratio	-	0.007	-	-	-	-	-	-
HCM Control Delay (s)	0	8.3	0	-	0	-	-	0
HCM Lane LOS	A	A	A	-	A	-	-	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	-

Lanes, Volumes, Timings

2027 No-Build Conditions - COVID-19 Adjustment

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	12	670	0	0	759	5	0	0	0	2	0	23
Future Volume (vph)	12	670	0	0	759	5	0	0	0	2	0	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.999						0.875	
Flt Protected		0.999									0.996	
Satd. Flow (prot)	0	1986	0	0	1966	0	0	2153	0	0	1763	0
Flt Permitted		0.999									0.996	
Satd. Flow (perm)	0	1986	0	0	1966	0	0	2153	0	0	1763	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	7%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 0.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations

Traffic Vol, veh/h	12	670	0	0	759	5	0	0	0	2	0	23
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Future Vol, veh/h	12	670	0	0	759	5	0	0	0	2	0	23
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Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
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Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
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RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
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Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
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Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
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Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
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Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
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Heavy Vehicles, %	0	2	0	0	3	0	0	0	0	0	0	7
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Mvmt Flow	13	698	0	0	791	5	0	0	0	2	0	24
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Major/Minor	Major1	Major2	Minor1	Minor2
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Conflicting Flow All	796	0	0	698	0	0	1530	1520	698	1518	1518	794
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Stage 1	-	-	-	-	-	-	724	724	-	794	794	-
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Stage 2	-	-	-	-	-	-	806	796	-	724	724	-
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Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.27
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Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
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Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
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Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.363
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Pot Cap-1 Maneuver	835	-	-	908	-	-	97	120	444	99	120	380
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Stage 1	-	-	-	-	-	-	420	433	-	384	403	-
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Stage 2	-	-	-	-	-	-	379	402	-	420	433	-
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Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
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Mov Cap-1 Maneuver	835	-	-	908	-	-	89	117	444	97	117	380
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Mov Cap-2 Maneuver	-	-	-	-	-	-	89	117	-	97	117	-
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Stage 1	-	-	-	-	-	-	410	422	-	374	403	-
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Stage 2	-	-	-	-	-	-	355	402	-	410	422	-
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Approach	EB	WB	NB	SB
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HCM Control Delay, s	0.2	0	0	17.8
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HCM LOS			A	C
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Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
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Capacity (veh/h)	-	835	-	-	908	-	-	308
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HCM Lane V/C Ratio	-	0.015	-	-	-	-	-	0.085
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HCM Control Delay (s)	0	9.4	0	-	0	-	-	17.8
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HCM Lane LOS	A	A	A	-	A	-	-	C
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HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.3
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Lanes, Volumes, Timings

2027 No-Build Conditions - COVID-19 Adjustment

2: 19 Ayers Village Rd/20 Ayers Village Rd & Route 97

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	2	670	0	0	762	0	0	0	0	0	0	2
Future Volume (vph)	2	670	0	0	762	0	0	0	0	0	0	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	12	12	12	10	10	10
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt											0.865	
Flt Protected												
Satd. Flow (prot)	0	1987	0	0	1968	0	0	1900	0	0	1534	0
Flt Permitted												
Satd. Flow (perm)	0	1987	0	0	1968	0	0	1900	0	0	1534	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		163			497			452			477	
Travel Time (s)		3.2			9.7			15.4			16.3	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	2	670	0	0	762	0	0	0	0	0	0	2
Future Vol, veh/h	2	670	0	0	762	0	0	0	0	0	0	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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	2	0	0	3	0	0	0	0	0	0	0
Mvmt Flow	2	698	0	0	794	0	0	0	0	0	0	2

Major/Minor	Major1		Major2		Minor1		Minor2					
Conflicting Flow All	794	0	0	698	0	0	1497	1496	698	1496	1496	794
Stage 1	-	-	-	-	-	-	702	702	-	794	794	-
Stage 2	-	-	-	-	-	-	795	794	-	702	702	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	836	-	-	908	-	-	102	124	444	102	124	391
Stage 1	-	-	-	-	-	-	432	443	-	384	403	-
Stage 2	-	-	-	-	-	-	384	403	-	432	443	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	836	-	-	908	-	-	101	124	444	102	124	391
Mov Cap-2 Maneuver	-	-	-	-	-	-	101	124	-	102	124	-
Stage 1	-	-	-	-	-	-	430	441	-	382	403	-
Stage 2	-	-	-	-	-	-	382	403	-	430	441	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0		0		0		14.3
HCM LOS					A		B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	836	-	-	908	-	-	391
HCM Lane V/C Ratio	-	0.002	-	-	-	-	-	0.005
HCM Control Delay (s)	0	9.3	0	-	0	-	-	14.3
HCM Lane LOS	A	A	A	-	A	-	-	B
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0

Lanes, Volumes, Timings

2027 Build Conditions - COVID-19 Adjustment

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday AM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	38	475	2	0	421	33	2	0	0	12	0	10
Future Volume (vph)	38	475	2	0	421	33	2	0	0	12	0	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt					0.990						0.938	
Flt Protected		0.996						0.950			0.974	
Satd. Flow (prot)	0	1935	0	0	1932	0	0	1023	0	0	1929	0
Flt Permitted		0.996						0.950			0.974	
Satd. Flow (perm)	0	1935	0	0	1932	0	0	1023	0	0	1929	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	6%	4%	50%	0%	4%	2%	100%	0%	0%	2%	0%	2%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 0.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations

Traffic Vol, veh/h	38	475	2	0	421	33	2	0	0	12	0	10
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Future Vol, veh/h	38	475	2	0	421	33	2	0	0	12	0	10
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Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
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Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
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RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
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Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
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Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
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Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
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Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
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Heavy Vehicles, %	6	4	50	0	4	2	100	0	0	2	0	2
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Mvmt Flow	41	516	2	0	458	36	2	0	0	13	0	11
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Major/Minor	Major1	Major2	Minor1	Minor2
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Conflicting Flow All	494	0	0	518	0	0	1081	1093	517	1075	1076	476
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Stage 1	-	-	-	-	-	-	599	599	-	476	476	-
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Stage 2	-	-	-	-	-	-	482	494	-	599	600	-
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Critical Hdwy	4.16	-	-	4.1	-	-	8.1	6.5	6.2	7.12	6.5	6.22
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Critical Hdwy Stg 1	-	-	-	-	-	-	7.1	5.5	-	6.12	5.5	-
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Critical Hdwy Stg 2	-	-	-	-	-	-	7.1	5.5	-	6.12	5.5	-
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Follow-up Hdwy	2.254	-	-	2.2	-	-	4.4	4	3.3	3.518	4	3.318
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Pot Cap-1 Maneuver	1049	-	-	1058	-	-	130	216	562	197	221	589
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Stage 1	-	-	-	-	-	-	354	494	-	570	560	-
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Stage 2	-	-	-	-	-	-	418	550	-	488	493	-
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Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
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Mov Cap-1 Maneuver	1049	-	-	1058	-	-	122	204	562	189	209	589
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Mov Cap-2 Maneuver	-	-	-	-	-	-	122	204	-	189	209	-
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Stage 1	-	-	-	-	-	-	335	467	-	539	560	-
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Stage 2	-	-	-	-	-	-	410	550	-	461	466	-
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Approach	EB	WB	NB	SB
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HCM Control Delay, s	0.6	0	35	19.4
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HCM LOS			E	C
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Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
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Capacity (veh/h)	122	1049	-	-	1058	-	-	273
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HCM Lane V/C Ratio	0.018	0.039	-	-	-	-	-	0.088
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HCM Control Delay (s)	35	8.6	0	-	0	-	-	19.4
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HCM Lane LOS	E	A	A	-	A	-	-	C
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HCM 95th %tile Q(veh)	0.1	0.1	-	-	0	-	-	0.3
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Lanes, Volumes, Timings
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions - COVID-19 Adjustment

Timing Plan: Weekday AM

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	487	0	0	454	0	0
Future Volume (vph)	487	0	0	454	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	12	12
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt						
Flt Protected						
Satd. Flow (prot)	1968	0	0	1968	1900	0
Flt Permitted						
Satd. Flow (perm)	1968	0	0	1968	1900	0
Link Speed (mph)	35			35	20	
Link Distance (ft)	163			497	447	
Travel Time (s)	3.2			9.7	15.2	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	3%	0%	0%	3%	0%	0%
Shared Lane Traffic (%)						
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					

HCM 6th TWSC
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions - COVID-19 Adjustment

Timing Plan: Weekday AM

Intersection

Int Delay, s/veh 0

Movement EBT EBR WBL WBT NBL NBR

Lane Configurations						
Traffic Vol, veh/h	487	0	0	454	0	0
Future Vol, veh/h	487	0	0	454	0	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, %	3	0	0	3	0	0
Mvmt Flow	529	0	0	493	0	0

Major/Minor Major1 Major2 Minor1

Conflicting Flow All	0	0	529	0	1022	529
Stage 1	-	-	-	-	529	-
Stage 2	-	-	-	-	493	-
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	-	-	1048	-	264	554
Stage 1	-	-	-	-	595	-
Stage 2	-	-	-	-	618	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1048	-	264	554
Mov Cap-2 Maneuver	-	-	-	-	264	-
Stage 1	-	-	-	-	595	-
Stage 2	-	-	-	-	618	-

Approach EB WB NB

HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt NBLn1 EBT EBR WBL WBT

Capacity (veh/h)	-	-	-	1048	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-

Lanes, Volumes, Timings

2027 Build Conditions - COVID-19 Adjustment

1: 15 Ayers Village Rd/18 Ayers Village Rd & Route 97

Timing Plan: Weekday PM

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	28	668	0	0	758	21	0	0	0	35	0	58
Future Volume (vph)	28	668	0	0	758	21	0	0	0	35	0	58
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	14	14	16	16	16	16	16	16
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.996						0.916	
Flt Protected		0.998									0.982	
Satd. Flow (prot)	0	1983	0	0	1960	0	0	2153	0	0	1843	0
Flt Permitted		0.998									0.982	
Satd. Flow (perm)	0	1983	0	0	1960	0	0	2153	0	0	1843	0
Link Speed (mph)		35			35			20			20	
Link Distance (ft)		475			163			452			458	
Travel Time (s)		9.3			3.2			15.4			15.6	
Confl. Bikes (#/hr)						1						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	0%	0%	3%	2%	0%	0%	0%	2%	0%	7%
Shared Lane Traffic (%)												
Sign Control		Free			Free			Stop			Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection

Int Delay, s/veh 4.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
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Lane Configurations												
Traffic Vol, veh/h	28	668	0	0	758	21	0	0	0	35	0	58
Future Vol, veh/h	28	668	0	0	758	21	0	0	0	35	0	58
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	0	0	3	2	0	0	0	2	0	7
Mvmt Flow	30	726	0	0	824	23	0	0	0	38	0	63

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	847	0	0	726	0	0	1653	1633	726	1622	1622	836
Stage 1	-	-	-	-	-	-	786	786	-	836	836	-
Stage 2	-	-	-	-	-	-	867	847	-	786	786	-
Critical Hdwy	4.12	-	-	4.1	-	-	7.1	6.5	6.2	7.12	6.5	6.27
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.12	5.5	-
Follow-up Hdwy	2.218	-	-	2.2	-	-	3.5	4	3.3	3.518	4	3.363
Pot Cap-1 Maneuver	790	-	-	886	-	-	79	102	428	82	104	360
Stage 1	-	-	-	-	-	-	388	406	-	362	385	-
Stage 2	-	-	-	-	-	-	350	381	-	385	406	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	790	-	-	886	-	-	62	95	428	78	97	360
Mov Cap-2 Maneuver	-	-	-	-	-	-	62	95	-	78	97	-
Stage 1	-	-	-	-	-	-	363	380	-	339	385	-
Stage 2	-	-	-	-	-	-	289	381	-	360	380	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0.4		0		0		65.4
HCM LOS					A		F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	790	-	-	886	-	-	153
HCM Lane V/C Ratio	-	0.039	-	-	-	-	-	0.661
HCM Control Delay (s)	0	9.7	0	-	0	-	-	65.4
HCM Lane LOS	A	A	A	-	A	-	-	F
HCM 95th %tile Q(veh)	-	0.1	-	-	0	-	-	3.7

Lanes, Volumes, Timings
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions - COVID-19 Adjustment

Timing Plan: Weekday PM

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	703	0	0	779	0	0
Future Volume (vph)	703	0	0	779	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	14	14	14	14	12	12
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt						
Flt Protected						
Satd. Flow (prot)	1987	0	0	1968	1900	0
Flt Permitted						
Satd. Flow (perm)	1987	0	0	1968	1900	0
Link Speed (mph)	35			35	20	
Link Distance (ft)	163			497	452	
Travel Time (s)	3.2			9.7	15.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	0%	0%	3%	0%	0%
Shared Lane Traffic (%)						
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					

HCM 6th TWSC
2: 19 Ayers Village Rd & Route 97

2027 Build Conditions - COVID-19 Adjustment

Timing Plan: Weekday PM

Intersection

Int Delay, s/veh 0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	703	0	0	779	0	0
Future Vol, veh/h	703	0	0	779	0	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	0	0	3	0	0
Mvmt Flow	764	0	0	847	0	0

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	764
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	4.1	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	2.2	-
Pot Cap-1 Maneuver	-	858	-
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	858	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	-	-	-	858	-
HCM Lane V/C Ratio	-	-	-	-	-
HCM Control Delay (s)	0	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	-	-	-	0	-