## RECEIVED

By Land Use Office at 11:50 am, Oct 07, 2020



Ref: 42683.00 October 7, 2020 Page 1

> To: Salisbury Housing Committee C/O Housing Enterprises 51 College Street Enfield, CT 06882

Date: October 7, 2020

Project #: 42683.00

From: Joseph Balskus, P.E., PTOE

Molly Pause, EIT

Re: Supplemental Traffic Memo Proposed Affordable Housing

11 Holley Street Salisbury, Connecticut

#### Overview

VHB conducted a traffic evaluation for a proposed affordable housing development at 11 Holley Street in Salisbury, CT. This evaluation was presented to the Planning Board on September 21, 2020, during which the Board requested additional information including existing traffic volumes on Holley Street and a parking survey of the existing parking lot. To address this request, additional traffic and parking lot data was obtained and is summarized in this supplemental traffic memo.

Within this supplemental memorandum, existing traffic conditions are quantified, and future traffic conditions are projected to provide a comparative analysis of existing and future conditions estimating how transportation would be affected with the proposed development in place. And the parking analysis is expanded to include existing parking demand.

The Study area for this supplementary memo includes the intersection of Millerton Road (Route 44) at Holley Street.

#### Conclusions and Recommendations

The following outlines the conclusions and recommendations resulting from the study of the proposed development and the existing transportation system as presented within this memorandum:

- The proposed project is expected to generate approximately 2 entering and 5 exiting (7 total) vehicle trips during the weekday morning peak hour, and 6 entering and 4 exiting (10 total) vehicle trips during the weekday afternoon peak hour.
- Traffic conditions at the intersection of Millerton Road (Route 44) at Holley Street maintain acceptable levels
  of service (LOS) of LOS B or better under all conditions.
- Traffic conditions at the intersection of Site Drive at Holley Street operate with LOS A under all existing and future conditions.
- Traffic conditions along the adjacent roadway network are not anticipated to be significantly impacted due to the proposed project.
- Adequate parking lot capacity is available at the existing site and continues under future conditions.

#### **Existing Traffic Volumes**

Due to COVID-19, traffic volumes are currently significantly lower than conditions before March 2020. After speaking with the Town during the September 21, 2020 Planning Board meeting, it was noted that the Town has seen an influx of traffic due to part-time residents using their secondary residence as a primary residence. Therefore, VHB has utilized traffic volume counts collected by at the intersection of Millerton Road (Route 44) at Holley Street on October 1, 2020.

The turning movement counts (TMCs) were recorded at the intersection of Millerton Road (Route 44) at Holley Street on October 1, 2020 between 7:00 AM to 9:00 AM and from 4:00 PM to 6:00 PM. The weekday morning peak period was found to occur between 7:30 AM and 8:30 PM and between 4:00 PM and 5:00 PM for the weekday evening peak period.

The 2020 Existing Conditions peak hour traffic volumes are summarized in Figure 1. The traffic count data is included in the Appendix.

#### **Future Traffic Conditions**

In order to conservatively evaluate the future impacts of the proposed development, traffic volumes were forecast under 2025 No-Build conditions (without the proposed housing development) and under 2025 Build Conditions (with the proposed housing development). The following describes the methodology used to develop the intersection traffic volumes over a seven-year planning horizon.

#### 2025 No-Build Conditions

Traffic growth on area roadways is a function of land development, economic activity, and changes in demographics. For the purpose of this traffic impact statement, a conservative 1% per year growth rate was applied to the 2020 Existing Conditions volume networks to anticipate regional traffic growth in the area. The resulting 2025 No-Build condition peak hour traffic volumes are shown in Figure 2.

#### 2025 Build Conditions

The 2025 Build Conditions scenario represents conditions with the proposed project in place. The site-generated traffic volumes were added to the 2025 No-Build traffic volumes to create the 2025 Build Conditions. The 2025 Build weekday evening peak hour traffic volumes can be seen in Figure 3.

### **Traffic Operations Analysis**

To evaluate existing and future traffic operations at the study intersection, VHB conducted signalized intersection capacity analyses according to *Highway Capacity Manual*, 6<sup>th</sup> Edition<sup>1</sup> methodology using Synchro software.

Capacity analyses provide an indication of how well the roadway facilities serve the traffic demands placed on them. Volume-to-capacity (V/C), average delay per vehicle, and level of service (LOS) are key indicators produced from capacity analyses. The volume-to-capacity ratio provides an estimate of the utilization of the available roadway capacity. The average delay per vehicle provides a measure of the amount of time motorists must wait to travel through an intersection. Level of service is an indication of delay in a letter range format from A to F, with LOS A representing the best operating conditions and LOS F representing the worst operating conditions. LOS A through D are typically considered acceptable, while LOS E indicates drivers endure significant delay and LOS F suggests unacceptable delay for the average driver.

LOS designations are reported differently for signalized and unsignalized intersections. For unsignalized intersections, the analysis assumes that traffic on the mainline is not affected by traffic on the side streets. Thus, the LOS designation is for the critical movement exiting the side street, typically the left-turn out of the side street or site driveway. Table 1 defines the delay criteria for each LOS designation.

Table 1 Level of Service Criteria

Level of Service	Signalized Intersection	Unsignalized Intersection
Α	0 to 10 seconds	0 to 10 seconds
В	10 to 20 seconds	10 to 15 seconds
С	20 to 35 seconds	15 to 25 seconds
D	35 to 55 seconds	25 to 35 seconds
E	55 to 80 seconds	35 to 50 seconds
F	Greater than 80 seconds	Greater than 50 seconds

Source: Highway Capacity Manual, 6th Edition

<sup>&</sup>lt;sup>1</sup> Highway Capacity Manual, 6th Edition, Transportation Research Board, Washington D.C., 2016

#### **Unsignalized Intersection Analysis**

Unsignalized intersection capacity analyses were conducted for the intersection of Millerton Road (Route 44) at Holley Street and the Site Drive at Holley Street for 2020 Existing Conditions, 2025 No-Build Conditions (without the proposed development), and 2025 Build Conditions (with the proposed development). The results of the analysis are summarized in Table 2. The Synchro analysis results are included in the Appendix.

The analysis reports that the unsignalized intersections experience low levels of delay with negligible queue length while maintaining LOS A and LOS B designations.

**Table 2 Unsignalized Intersection Capacity Analysis Summary** 

				2020	Existing			2025	No-Build			2025	Build	
Location	Peak Period	Movement	Dem a	v/c b	Delay <sup>c</sup>	LOS d	Dem	v/c	Delay	LOS	Dem	v/c	Delay	LOS
Millerton Road	Weekday Morning	EB-TR	169	0.12	0.0	-	181	0.13	0.0	-	182	0.13	0.0	-
(Route 44) at		WB-LT	143	0.01	0.4	Α	153	0.01	0.3	Α	154	0.01	0.4	Α
Holley Street	}	NB-LR	10	0.02	10.1	В	10	0.02	10.2	В	14	0.03	10.3	В
	Weekday Evening	EB-TR	206	0.13	0.0	-	221	0.14	0.0	-	223	0.14	0.0	-
		WB-LT	216	0.01	0.6	Α	232	0.01	0.6	Α	235	0.01	0.7	Α
		NB-LR	27	0.07	11.2	В	29	0.07	11.5	В	32	0.08	11.6	В
Site Driveway at	Weekday Morning	EB- LR	2	0.00	8.4	A	2	0.00	8.4	Α	7	0.01	8.5	Α
Holley Street		NB-LT	10	0.00	0.0	-	10	0.00	0.0	-	10	0.00	0.0	-
•		SB-TR	10	0.01	0.0	-	10	0.01	0.0	-	12	0.01	0.0	-
	Weekday Evening	EB- LR	6	0.01	8.6	Α	6	0.01	8.6	Α	10	0.01	8.7	Α
		NB-LT	27	0.00	0.5	Α	29	0.00	0.5	Α	30	0.00	0.7	Α
		SB-TR	25	0.02	0.0	-	27	0.02	0.0	-	32	0.02	0.0	-

a demand in vehicles per hour for unsignalized intersections; demand is calculated as the total vehicular volume from the critical side street approach

volume-to-capacity ratio for the critical movement

c delay of critical approach only

d level of service of the critical movement

EB, WB Eastbound, westbound
NB, SB Northbound, southbound

N/A movement not present under specified scenario

LR shared left/right-turn movements;

LTR shared left/through/right-turn movements

L left-turn movement

LT shared left/through-movement

R right-turn movement T through-movement

#### **Parking**

#### **Inventory and Existing Data Collection**

VHB surveyed the existing parking lot for the proposed development located at 11 Holley Street in Salisbury from Thursday into Friday to document the number of vehicles utilizing the existing parking supply. The survey occurred on Thursday October 1st, 2020 and Friday October 2nd, 2020 from approximately 7:00 AM Thursday to 7:00 PM Friday. The following summarizes the observations that were made.

This existing lot at 11 Holley Street contains 24 parking spaces for passenger cars. Access and egress for this lot is accessible through the existing curb cut on Holley Street as well as through the parking area to the west.

#### **Observed Existing Parking Demand**

Parking demand counts were documented at the half hour of each hour time period on Thursday October 1<sup>st</sup>, 2020 and Friday October 2<sup>nd</sup>, 2020 from approximately 7:00 AM Thursday to 7:00 PM Friday. The results of the counts that were taken can be seen in Table 3. During the times that were counted, of the total 24 available spaces, the highest observed demand was 6 vehicles. An industry standard for parking lots is that they are considered full at 85% occupancy. On the maximum occupied observed time, the existing occupancy rate of 22% (parking demand of 6, 24 total parking spaces). Based on the data that was collected, it appears that the existing parking lot has sufficient parking for the proposed development and has available parking spaces that could be utilized by the Town and local businesses.

It is worth noting that during the afternoon peak hour of the site recording, vehicles were seen pulling into the lot for a short amount of time. The drivers in this situation did not leave their vehicles, this could be attributed to drivers answering a phone call/message or looking for directions. Approximately one to two vehicles were also noted as parked in the lot overnight.

#### **Analysis of Future Parking Demand**

The industry standard for parking lots is that they are considered full at 85% capacity. As noted in the initial traffic evaluation for the site, the proposed housing development is expected to utilize a maximum of 16 parking spaces during peak hours. Removing 16 parking spaces from the existing 24 to accommodate for the development leaves an excess of 8 spaces. The new calculated occupancy rate for the existing parking lot would become 75% occupancy (parking demand of 6, 8 parking spaces provided). This rate is still below the industry standard of 85% occupancy, indicating that site would continue to operate with sufficient parking on site.

Table 3 Existing Parking Demand by Day – Holley Street Lot, 11 Holley Street

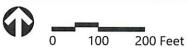
Location	Parking Space Type	10/1/2020 AM Parking Demand	10/1/2020 PM Parking Demand	10/2/2020 AM Parking Demand	10/2/2020 PM Parking Demand	Average Parking Demand	Maximum Parking Demand
Holley Street Lot	Passenger Car	3	6	5	6	5	6

#### **Conclusion**

The results of this supplemental memo indicate that the proposed affordable housing development at 11 Holley Street will not have a significant impact on the roadway network adjacent to the project site. There is adequate parking capacity under existing and future conditions. VHB forecasts that the project will generate 7 total trips during the morning peak hour and 10 total trips during the afternoon peak hour. Based on Office of the State Traffic Administration (OSTA) guidelines, intersection capacity analyses are required if a project is expected to generate 100 or more new vehicles trips through an intersection. The minimal traffic volumes projected for this development are far below this threshold, a fraction of the area traffic volumes, and therefore, additional traffic analyses are not warranted.

In summary and as noted in the September memorandum, the conclusions remain the same: the project will generate minimal traffic onto the area roadways and the onsite 24 parking spaces will accommodate the parking demand.

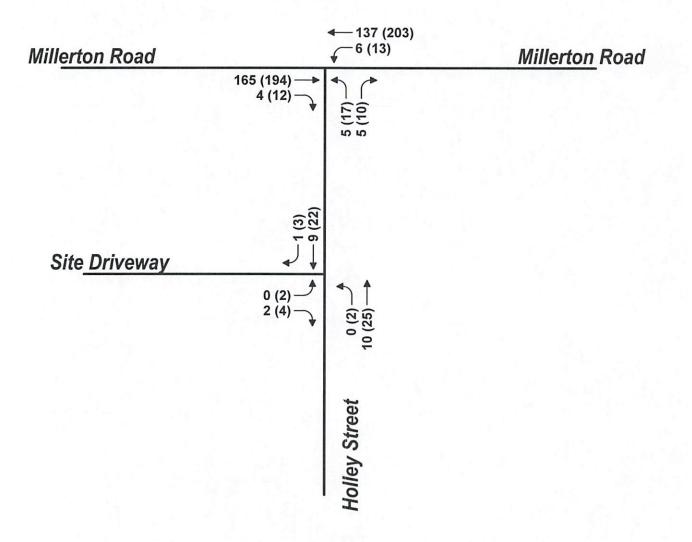






Site and Study Intersection Location

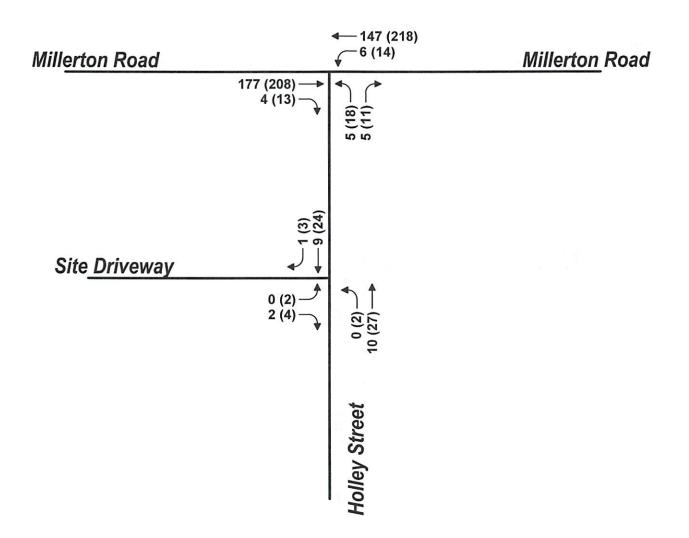
Figure 1



- Weekday Morning Peak Hour
- (Weekday Afternoon Peak Hour)



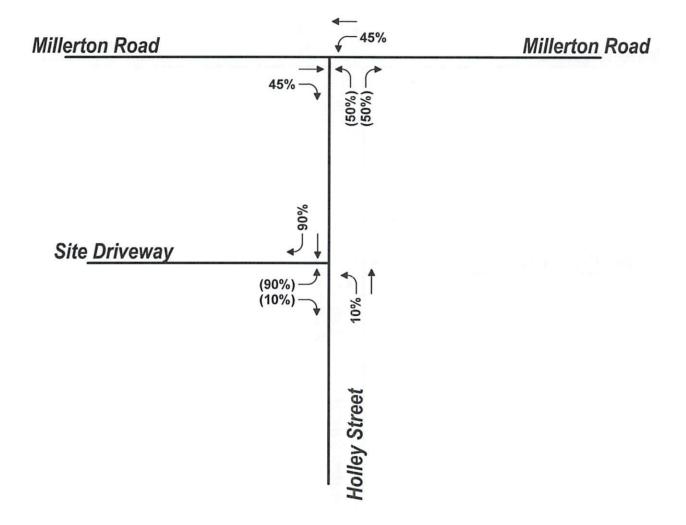




- Weekday Morning Peak Hour
- (Weekday Afternoon Peak Hour)



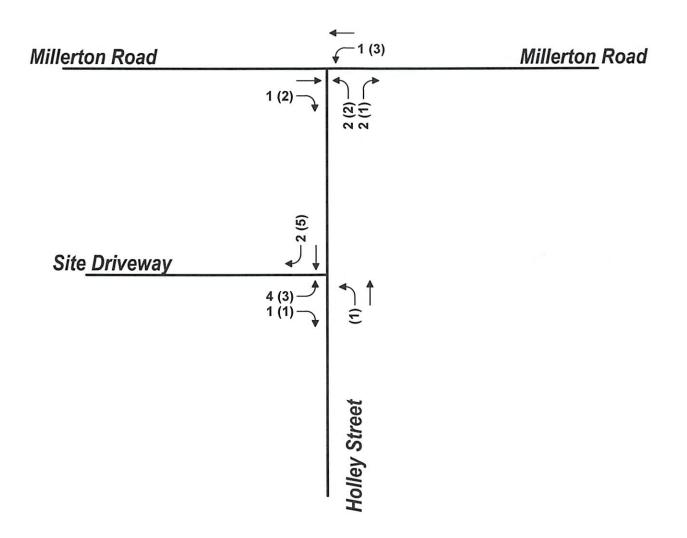




Entering Site Traffic (Exiting Site Traffic)





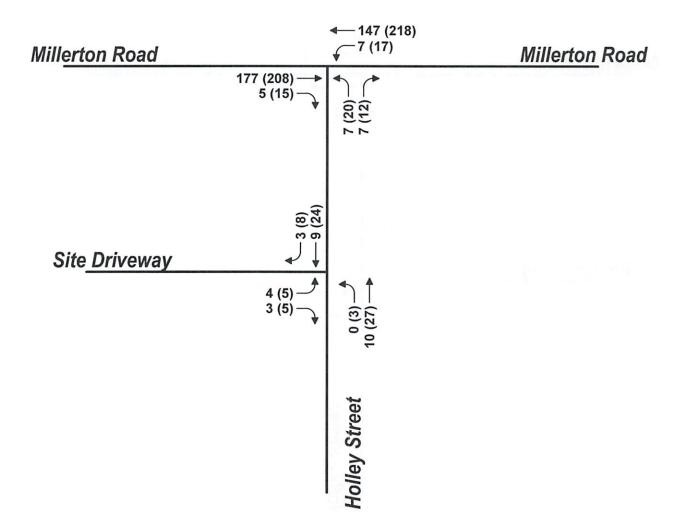


- # Weekday Morning Peak Hour
- # (Weekday Afternoon Peak Hour)





11 Holley Street, Salisbury, CT



- # Weekday Morning Peak Hour
- # (Weekday Afternoon Peak Hour)





11 Holley Street, Salisbury, CT

# **Appendix**

**Preliminary Site Plan** 

**Traffic Evaluation Submitted Sept. 16, 2020** 

**ITE Trip Generation** 

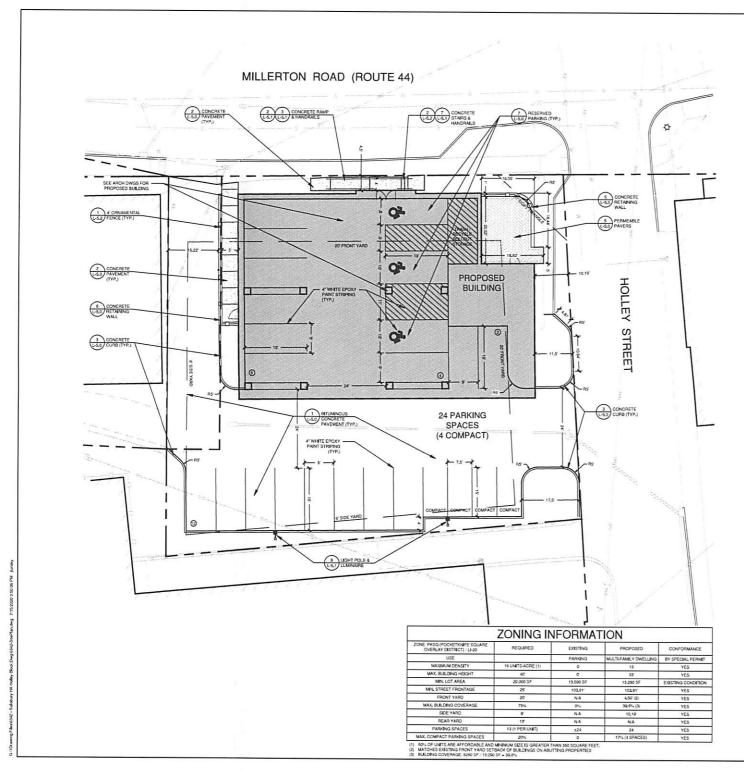
**Parking Generation** 

**Traffic Count Data** 

**Parking Lot Peak Images** 

**Capacity Analysis** 

## **Preliminary Site Plan**



#### LAYOUT NOTES

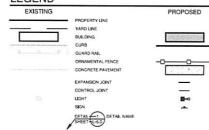
- 1. THE CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL REGULATIONS.
- MATERIALS AND CONSTRUCTION PROCEDURES SHALL COMPLY WITH CT DOT FORM 815/817
  AND THE TOWN OF SALISBURY SPECIFICATIONS.
- 3. CONTRACTOR TO SECURE ALL NECESSARY TRADE PERMITS.
- 4. NEW PAVEMENT TO MEET LINE & GRADE OF EXISTING PAVEMENTS.
- 5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES.
- 6. LOAM AND SEED ALL DISTURBED AREAS NOT COVERED BY OTHER IMPROVEMENTS. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED.
- ATTLEMENT OF THE MEASURED.

  A FLL COATRONS WHERE EASTING CURBING, BTUMNOUS CONCRETE ROADWAY OR CONCRETE ROADWAY OR CONCRETE SIDEWALK ABUT NEW CONSTRUCTION. THE EDGE OF THE EASTING CURB OR PACKEDT SHALL ES AND UT TO PROVIDE A CLEAN, SMOOTH EDGE. TACK COAT EXPOSED EDGES OF EASTING CONCRETE PRIOR TO PLACEMENT OF NEW BTUMOUS CONCRETE PARKENET.
- FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND APPROPRIATE MUNICIPAL OFFICIALS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE VERTICAL AND HORIZONTAL POSITION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONTROL DUST CAUSED BY HIS OPERATIONS BY APPLYING WATER OR DUST PALLIATIVE, OTHER THAN CALCIUM CHLORIDE.
- CONTRACTOR SHALL CONTROL NOISE TO AS GREAT AN EXTENT AS POSSIBLE, ALL POWER EQUIPMENT USED DURING CONSTRUCTION SHALL BE EQUIPPED WITH MUFFLERS.
- 13. MANUFACTURED ITEMS SHALL BE INSTALLED, CONNECTED AND CLEANED ACCORDING TO THE MANUFACTURERS DIRECTIONS.
- 14. PRIOR TO PROJECT CLOSE-OUT, CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS MATERIALS FROM SITE. ALSO, ANY DAMAGE TO FIELD OR FACTORY APPLIED FINISHES SHALL BE REPAIRED.
- SHALL BE REPARED.

  IS, EPANSION AND SCOPE, CONTRETOR NEW CONCRETE WALKS SHALL BLEND TO MATCH EXISTING PATTERNS, CONTRACTOR TO ARRANGE TIMELY ON SITE CONFERENCES WITH LANGSCAPE ADMITISET TO ARPOY LANGUIT OF PATTERNS.

  IS, PROMOE EXPANSION, LONTS FOR NEW CONCRETE PANNS AT ALL CURBS, BULLIUMS WALLS, STREWLLS, STATING, EXISTING CONCRETE PANNS AT ALL CURBS, BULLIUMS WALLS, STREWLLS, STATING, EXISTING CONCRETE PANNS AND ALL OTHER FIXED MATERIALS, MARGINATIONS CONTRACTED TO CONCRETE PANNS ON JOINTS SHALL NOT EXCEED 25 FEET.

#### **LEGEND**



QuisenberryArcariMalik

195 Scott Swamp Road Farmington, CT 06032 qamarch.com



114 WEST MAIN STREET SUITE 202 NEW BRITAIN, CT 06051 860-612-1700

SITE DESIGN LANDSCAPE ARCHITECTURE URBAN PLANNING

#### **HOLLEY PLACE**

29 MAIN STREET SALISBURY, CT Project #: 6342

Revisions 07.15.2020-PKSQ ZONE

ssue Dates:

Layout Plan

L-2.0



## **Traffic Evaluation Submitted Sept. 16, 2020**

Ref: 42683.00 September 15, 2020 Page 1



To: Salisbury Housing Committee C/O Housing Enterprises 51 College Street Enfield, CT 06882

Date: September 15, 2020

Project #: 42683.00

From: Joseph Balskus, P.E., PTOE

Molly Pause, EIT

Re: Traffic Evaluation

**Proposed Affordable Housing** 

11 Holley Street Salisbury, Connecticut

#### Overview

VHB has conducted a traffic evaluation for a proposed affordable housing development at 11 Holley Street in Salisbury, CT. As part of this evaluation, VHB has investigated existing conditions on the roadways adjacent to the site, the proposed driveway access, and the anticipated traffic volumes generated by the project. This traffic evaluation is intended to support an application to the Town of Salisbury submitted by the Salisbury Housing Committee.

#### **Project Description**

The proposed project consists of the development of an existing parking lot located at 11 Holley Street into an apartment building with a total of 13 units. This development proposes 8 one-bedroom, 2 two-bedroom, and 3 three-bedroom units available. Approximately 24 parking spaces are to be provided on site, with 12 of the 24 spaces proposed to be located in a parking garage constructed under the proposed apartment building. Based on the current site plan, access to the complex will be provided by one entrance only driveway on Route 44 and one full access driveway on Holley Street.

The preliminary site plan is included in the Appendix.

#### **Existing Traffic Conditions**

A site visit was conducted for the proposed project location in August 2020. During this visit, VHB measured the existing roadway, shoulders, and sight lines and observed factors affecting access and egress to the site such as roadway speeds. VHB's observations and the existing roadway conditions in the vicinity of the site are summarized below.

Millerton Road (Route 44) is a two-lane roadway (one lane in each direction) under state jurisdiction and is classified as a principal arterial roadway. The posted speed limit on Millerton Road (Route 44) is 30 miles per hour in the vicinity of the site and increases to 40 miles per hour just west of Holley Street. CTDOT in collaboration with AECOM completed a Road Safety Audit (RSA) on Route 44 to the east of Holley Street in Spring 2016. From this RSA, pedestrian connectivity improvements have been made to the corridor connecting the district of Lakeville to the Downtown area.

Ref: 42683.00 September 15, 2020 Page 2

Sidewalks have been made available on both sides of Route 44 and crosswalks with Rapid Rectangular Flashing Beacons (RRFBs) have been installed across this roadway. On-street parking is allowed on the southern side of Route 44 adjacent to the proposed project site but prohibited and posted on the northern side of the roadway. Millerton Road maintains a roadway width of approximately 26 feet near the project site with 11-foot travel lanes and two-foot shoulders on each side of the roadway. Street illumination in the project area was deemed adequate as there exists a streetlamp at the intersection of Route 44 at Holley Street and two additional streetlamps to the west of the project site.

Holley Street is a two-lane roadway (one lane in each direction) with a northwest-southeast orientation that runs between Millerton Road (Route 44) and Ethan Allen Street, approximately 320 feet in length. Holley Street is classified as a local road under local jurisdiction. Holley Street maintains a road width of 34 feet adjacent to the site and tapering down to 23 feet to the south. No parking signs are posted on the western side of the roadway.

#### **Project Area Intersection**

Millerton Road (Route 44) is intersected by Holley Street from the south and a private driveway from the north to form a four-leg unsignalized intersection. The northbound Holley Street approach provides a single multi-purpose lane. While no signage is provided, the northbound approach is assumed stop controlled. The eastbound and westbound Route 44 approaches provide one multi-purpose lane and operate freely. Sidewalks are provided on the south side of Route 44 west of Holley Street and on the north side of Route 44 to the east of Holley Street. A crosswalk is provided across the eastern leg of Route 44. Pedestrian push buttons and RRFBs are provided at this location.

#### **Crash Analysis**

To identify potential vehicle crash trends and/or roadway deficiencies near the project site, VHB conducted a review of the UConn Crash Database to document the number of geolocated vehicular collisions that have taken place over the most recent three years (2017-2019).

The review revealed zero reported crashes at the Millerton Road & Holley Street intersection or along the site frontage. It should be noted that the results of the Crash Database review were dependent on the accuracy of crash reporting and geolocating.

#### **Trip Generation**

The Institute of Transportation Engineers (ITE) *Trip Generation Manual, 10th Edition* was used to estimate vehicle trips to be generated by the proposed development. ITE land use code (LUC) 220 "Multifamily Housing (Low-Rise)" was used to estimate vehicle trips for all peak hours.

Table 1 presents the resulting total new trips for the weekday daily, morning peak hour, and afternoon peak hour for the proposed apartment complex. It is anticipated to generate 2 entering trips and 5 exiting trips (7 total) during the

Ref: 42683.00 September 15, 2020

Page 3

morning peak hour, and 6 entering trips and 4 exiting trips (10 total) during the afternoon peak hour. The ITE Trip Generation data are included in the Appendix.

### Table 1 Trip Generation

Time Period		Trip Generation
	Daily (vpd)	57
Morning Peal	k Hour (vph)	
Enter		2
<u>Exit</u>		<u>5</u>
Total		7
Evening Peak	Hour (vph)	
Enter		6
<u>Exit</u>		<u>4</u>
Total		10

Source: Institute of Transportation Engineers, Trip Generation, 10th Edition, LUC 220 Multifamily Housing (Low-Rise), 13 units vpd= vehicles per day, vph = vehicles per hour

#### **Trip Distribution**

The trip distribution of site-generated traffic to/from the proposed development would be expected to reflect the vehicle patterns of existing volumes within the study area. With easy access to downtown Salisbury to the east of the project site, New York state to the west of the project site, and the Town of Sharon to the south, it is expected that the trip distribution would be evenly split to/from each direction.

#### **Parking**

The proposed site plan shows 24 parking spaces on site supporting the 13 units of housing which exceeds the minimum zoning requirements. A review the Institute of Transportation Engineers (ITE) Parking Generation Manual, 5<sup>th</sup> edition for Multi-Family Low Rise residential use with no access to transit indicates a maximum of 16 parking spaces will be utilized for the proposed development during peak parking demand for residents and visitors. This is based upon parking surveys for over 119 other developments.

The proposed parking will primarily be accessed to and from Holley Street via the existing curb cut and provides standard parking stalls and parking aisle in conformance with standards.

Ref: 42683.00 September 15, 2020 Page 4

#### **Intersection Sight Distance**

A field visit was conducted to measure the available sight distance from Holley Street onto Millerton Road (Route 44). and observe other potential conditions that may affect the safety and operation of the proposed full access driveway. The available sight distance was then compared with the sight distance requirements outlined in the CTDOT Highway Design Manual to ensure that adequate sight distance is provided to allow a vehicle exiting the site driveway and turning onto Millerton Road to safely enter the traffic stream.

Based on field measurements, adequate sight distance was found to be available from the driveway on Holley Street to see to the end of the road in each direction. To evaluate the adequacy of the sight distance from Holley Street onto Millerton Road, the minimum suggested sight distance was calculated based on a conservative design speed of 40 miles per hour on Millerton Road (Route 44) (10 miles per hour above the posted speed limit).

The sight distance at the intersection of Route 44 at Holley Street is inadequate due to a few factors. On-Street parking is allowed on the south side of Route 44 to the west of Holley Street, which obstructs sightlines to the left for vehicles exiting Holley Street. The horizontal curvature of the existing roadway obstructs sightlines to the right, as the Holley Street entrance is at the focal point of the roadway curvature. However, as noted above, the sight distance requirement was calculated based on a conservative design speed of 10 miles per hour above the speed limit. The available sight distance at this intersection would meet the minimum requirements if the posted speed limit was used as the design speed. Furthermore, the crash research indicates that no crashes have been reported at this intersection in the last three years. Therefore, the crash data does not indicate that the sight distance presents a safety concern.

The results of the sight distance investigation are summarized in Table 2.

### Table 2 Intersection Sight Distances

	Available S	ight Distance	_	Meets	Standard
Location	Left	Right	Minimum	Left	Right
Holley Street at Millerton Road (Route 44)	440′	400′	445′	No	No
Proposed Site Drive at Holley Street	*	*	•	Yes	Yes

Source: Vanasse Hangen Brustlin, Inc.

<sup>\*</sup> Sight distance for motorists exiting the site driveway on Holley Street is available to the end of the street in both directions

Ref: 42683.00 September 15, 2020 Page 5

#### Conclusion

The results of this review indicate that the proposed affordable housing development at 11 Holley Street will not have a significant impact on the roadway network adjacent to the project site. There are adequate sight lines for traffic exiting Holley Street and ample parking. VHB forecasts that the project will generate 7 total trips during the morning peak hour and 10 total trips during the afternoon peak hour. Based on Office of the State Traffic Administration (OSTA) guidelines, intersection capacity analyses are required if a project is expected to generate 100 or more new vehicles trips through an intersection. The minimal traffic volumes projected for this development are far below this threshold, a fraction of the area traffic volumes, and therefore, additional traffic analyses are not warranted.

In summary, the project will generate minimal traffic onto the area roadways, the onsite 24 parking spaces will accommodate the parking demand, sight distances are adequate and access from Holley Street is appropriate.

## ITE Trip Generation

(220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday

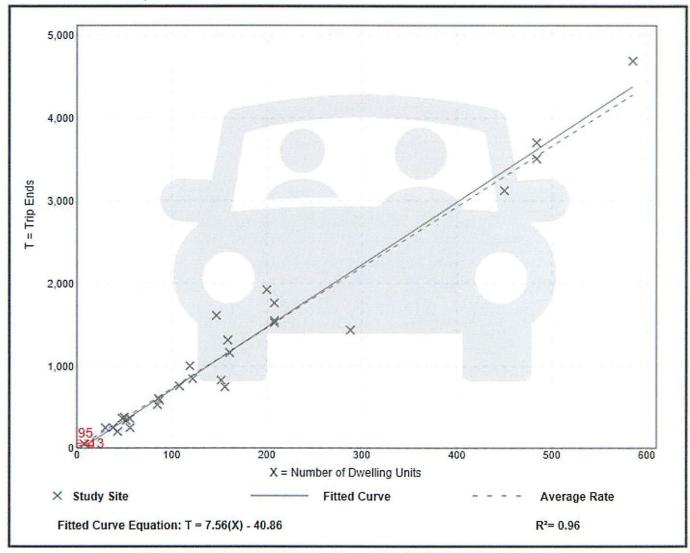
Setting/Location: General Urban/Suburban

Number of Studies: 29 Avg. Num. of Dwelling Units: 168

Directional Distribution: 50% entering, 50% exiting

### Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
7.32	4.45 - 10.97	1.31



(220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

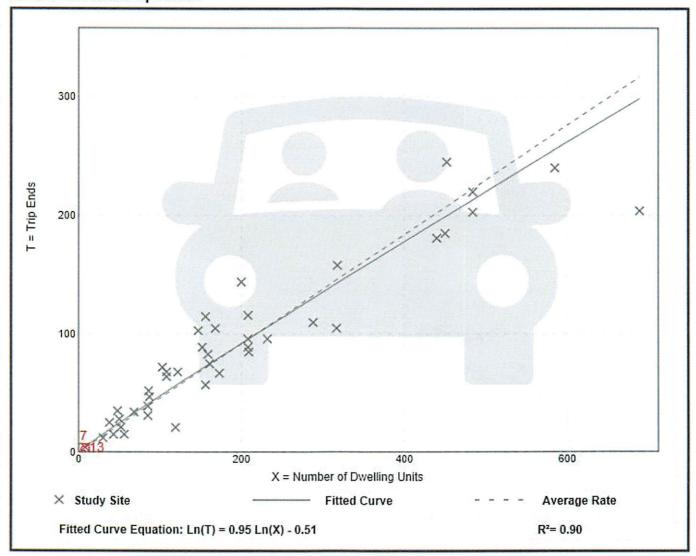
Setting/Location: General Urban/Suburban

Number of Studies: 42 Avg. Num. of Dwelling Units: 199

Directional Distribution: 23% entering, 77% exiting

### Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.46	0.18 - 0.74	0.12



(220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

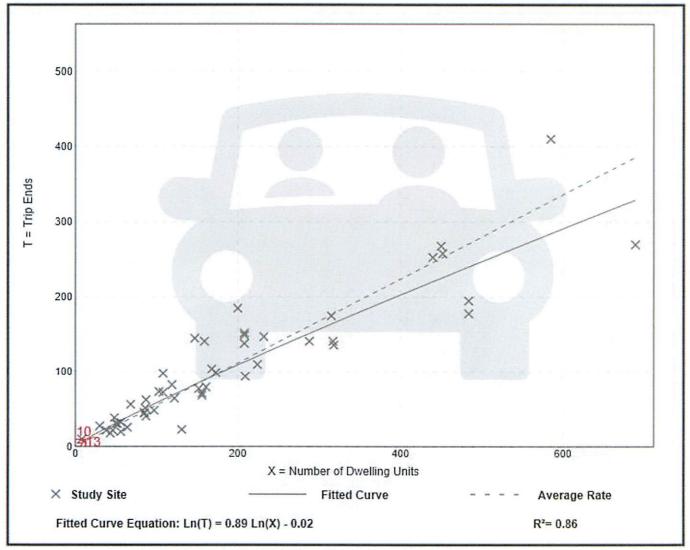
Number of Studies: 50

Avg. Num. of Dwelling Units: 187

Directional Distribution: 63% entering, 37% exiting

### Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.56	0.18 - 1.25	0.16



## **Parking Generation**

(220)

Peak Period Parking Demand vs: Dwelling Units

On a: Weekday (Monday - Friday)

Setting/Location: General Urban/Suburban (no nearby rail transit)

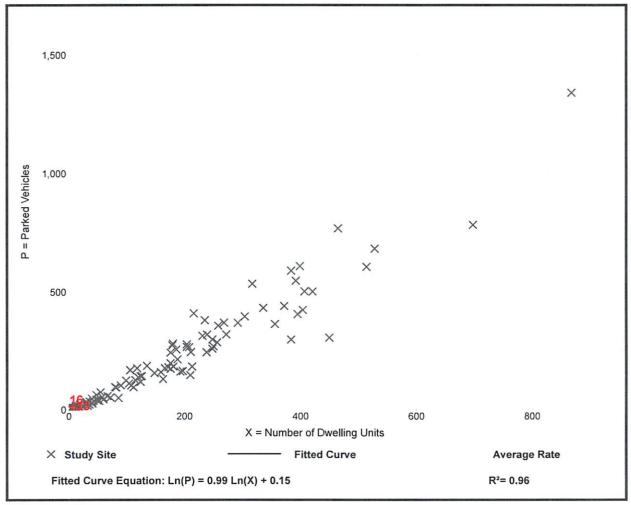
Peak Period of Parking Demand: 11:00 p.m. - 6:00 a.m.

Number of Studies: 119

Avg. Num. of Dwelling Units: 156

#### Peak Period Parking Demand per Dwelling Unit

Average Rate	Range of Rates	33rd / 85th Percentile	95% Confidence Interval	Standard Deviation (Coeff. of Variation)
1.21	0.58 - 2.50	1.03 / 1.52	1.16 - 1.26	0.27 (22%)



Parking Generation Manual, 5th Edition • Institute of Transportation Engineers

## **Traffic Count Data**

Kensington, Connecticut 06037 (860) 828-1693

Route 44 at Holley Street Salisbury, Connecticut

File Name: 21039 Site Code: 21039

Start Date : 10/1/2020

Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

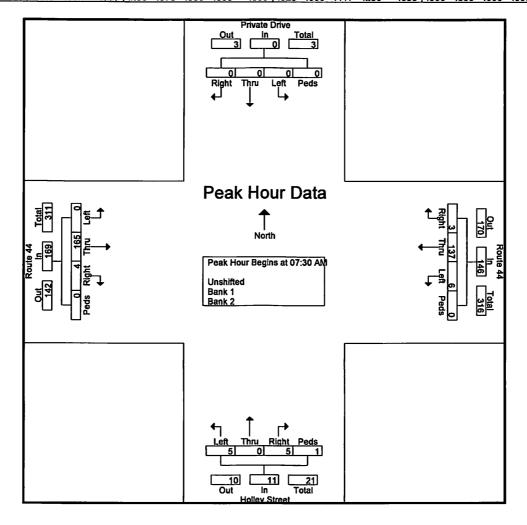
			Pri	ivate C	rive			F	Route	44			Ho	lley S	treet			F	Route -	44		
-			Fr	rom No	orth			F	rom E	ast			Fr	om So	outh			Fi	rom W	/est_		
ı	Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
	07:00 AM	0	0	0	0	0	0	22	2	0	24	0	0	0	0	0	0	19	0	0	19	43
	07:15 AM	0	0	0	0	0	0	22	0	0	22	0	0	0	0	0	1	31	0	0	32	54
	07:30 AM	0	0	0	0	0	0	39	1	0	40	2	0	0	0	2	2	35	0	0	37	79
	07:45 AM	0	0_	0	0	0	3	38	1	0_	42	1_	0	3	0	4	0	46	0	0	46	92
	Total	0	0	0	0	0	3	121	4	0	128	3	0	3	0	6	3	131	0	0	134	268
	ı	,																				
	MA 00:80	0	0	0	0	0	0	31	1	0	32	1	0	2	0	3	0	36	0	0	36	71
	08:15 AM	0	0	0	0	0	0	29	3	0	32	1	0	0	1	2	2	48	0	0	50	84
	08:30 AM	0	0	0	0	0	0	27	0	0	27	2	0	0	0	2	2	39	0	0	41	70
	08:45 AM	0	0	0	0	0	0	40	1_	1_	42	2	0	6	0	8	1_	39	0	0	40	90
	Total	0	0	0	0	0	0	127	5	1	133	6	0	8	1	15	5	162	0	0	167	315
	Grand Total	0	0	0	0	0	3	248	9	1	261	9	0	11	1	21	8	293	0	0	301	583
	Apprch %	0	0	0	0		1.1	95	3.4	0.4		42.9	0	52.4	4.8		2.7	97.3	0	0		
	Total %	0	0	0	0	0	0.5	42.5	1.5	0.2	44.8	1.5	0	1.9	0.2	3.6	1.4	50.3	0	0	51.6	
	Unshifted	0	0	0	0	0	3	239	9	1	252	8	0	11	1	20	7	284	0	0	291	563
	% Unshifted																					
	Bank 1	0	0	0	0	0	0	9	0	0	9	1	0	0	0	1	1	8	0	0	9	19
_	% Bank 1	0	0	0_	0_	0	0	3.6	0	0_	3.4	11.1	0	0_	0_	4.8	12.5	2.7	0	0	3	3.3
	Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
	% Bank 2	0	0	0	0	0 [	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0.3	0.2

Kensington, Connecticut 06037 (860) 828-1693

> File Name : 21039 Site Code : 21039 Start Date : 10/1/2020

Page No : 2

			vate C		-			Route rom E					olley S					Route			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour A	nalysi	s Fron	07:0	0 AM t	o 08:45	AM -	Peak 1	of 1							_					·	
Peak Hour fe	or Entir	re Inte	rsectio	n Beg	ins at 0	7:30 A	M														
07:30 AM	0	0	0	0	0	0	39	1	0	40	2	0	0	0	2	2	35	0	0	37	79
07:45 AM	0	0	0	0	0	3	38	1	0	42	1	0	3	0	4	0	46	0	0	46	92
08:00 AM	0	0	0	0	0	0	31	1	0	32	1	0	2	0	3	0	36	0	0	36	71
08:15 AM	0	0	0	0	0	l o	29	3	0	32	1	0	0	1	2	2	48	0	0	50	84
Total Volume	0	0	0	0	0	3	137	6	0	146	5	0	5	1	11	4	165	0	0	169	326
_ % App. Total	0	0	0	0		2.1	93.8	4.1	0	i	45.5	0	45.5	9.1		2.4	97.6	0	0		
PHF	.000	.000	.000	.000	.000	.250	.878	.500	.000	.869	.625	.000	.417	.250	.688	.500	.859	.000	.000	.845	.886



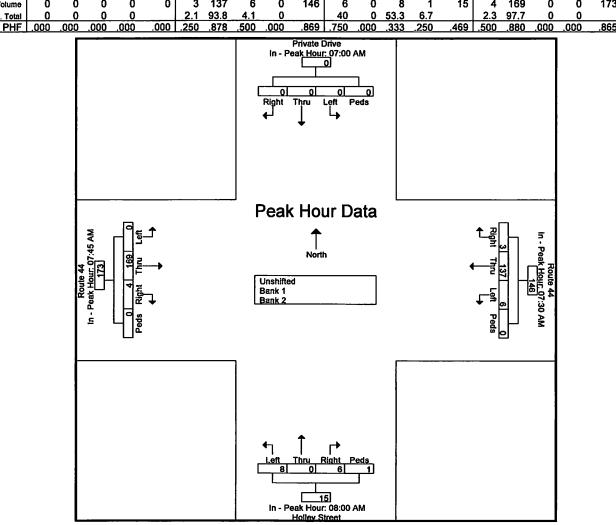
Kensington, Connecticut 06037 (860) 828-1693

File Name : 21039 Site Code : 21039 Start Date : 10/1/2020

Page No : 3

			vate C					Route rom E					olley S					Route			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. To
eak Hour A eak Hour fo						AM - I	Peak 1	of 1													,
	07:00 AN	4				07:30 AN	1				08:00 AA	4				07:45 AN	1				
+0 mins.	0	0	0	0	0	0	39	1	0	40	1	0	2	0	3	0	46	0	0	46	
+15 mins.	0	0	0	0	0	3	38	1	0	42	1	0	0	1	2	0	36	0	0	36	
+30 mins.	l o	0	0	0	0	0	31	1	0	32	2	0	0	0	2	2	48	0	0	50	
+45 mins.	l o	0	0	0	0	0	29	3	. 0	32	2	0	6	0	8	2	39	0	0	41	
Total Volume	0	0	0	0	0	3	137	6	0	146	6	0	8	1	15	4	169	0	0	173	Î .

% App. Total



Kensington, Connecticut 06037 (860) 828-1693

Route 44 at Holley Street Salisbury, Connecticut

File Name : 21040 Site Code : 21040

Start Date : 10/1/2020

Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

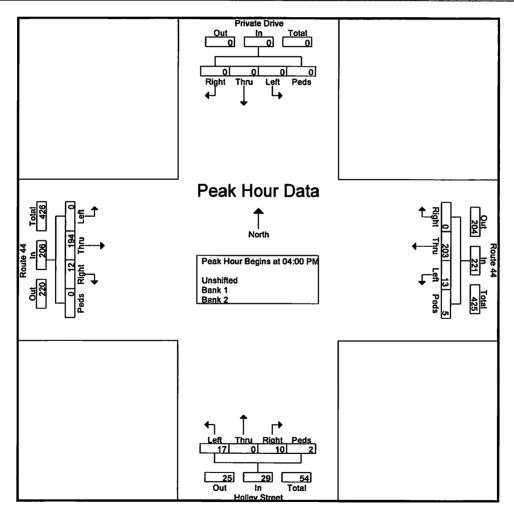
		Pri	vate D	)rive		Route 44						Holley Street						Route 44 From West						
		Fr	om No	orth			ast			outh														
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total			
04:00 PM	0	0	0	0	0	0	42	2	0	44	5	0	6	0	11	4	52	0	0	56	111			
04:15 PM	0	0	0	0	0	0	57	6	0	63	1	0	4	0	5	3	47	0	0	50	118			
04:30 PM	0	0	0	0	0	0	55	4	0	59	2	0	2	0	4	4	52	0	0	56	119			
_04:45 PM	0	0	0	0	0	0	49	1_	5_	55	2	0_	. 5	2	9	1	43	0	0	44	108			
Total	0	0	0	0	0	0	203	13	5	221	10	0	17	2	29	12	194	0	0	206	456			
05:00 PM	o	0	0	0	0	0	38	1	1	40	2	0	6	0	8	1	60	0	0	61	109			
05:15 PM	0	0	0	0	0	0	41	0	2	43	2	0	2	2	6	3	49	0	0	52	101			
05:30 PM	0	0	0	0	0	0	36	2	0	38	2	0	4	0	6	0	52	0	0	52	96			
_05:45 PM	0	0	0	0	0	0	32	0	1	33	1	0	3	0	4	2	36	0	0	38	75			
Total	0	0	0	0	0	0	147	3	4	154	7	0	15	2	24	6	197	0	0	203	381			
Grand Total	o	0	0	0	О	lo	350	16	9	375	17	0	32	4	53	18	391	0	0	409	837			
Apprch %	0	0	0	0		0	93.3	4.3	2.4		32.1	0	60.4	7.5		4.4	95.6	0	0					
Total %	0	0	0	0	0	0	41.8	1.9	1.1	44.8	2	0	3.8	0.5	6.3	2.2	46.7	0	0	48.9				
Unshifted	0	0	0	0	0	0	348	16	9	373	17	0	32	4	53	18	388	0	0	406	832			
% Unshifted																								
Bank 1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	5			
_ % Bank 1_	0	0	0	0	0	0	0.6	0	0_	0.5	0	0	0	0	0	0	0.8	0	0	0.7	0.6			
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

Kensington, Connecticut 06037 (860) 828-1693

> File Name : 21040 Site Code : 21040 Start Date : 10/1/2020

Page No : 2

			vate E					Route					lley S					Route			]
		<u></u>	om No	<u>οπη</u>				rom E	<u>ast</u>				om So				F	rom W			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour A	nalysi	s Fron	า 04:00	0 PM to	o 05:45	PM - I	Peak 1	of 1													
Peak Hour fo	or Entir	re Inte	rsectio	n Begi	ins at 0	4:00 P	M				_					_					
04:00 PM	0	0	0	0	0	0	42	2	0	44	5	0	6	0	11	4	52	0	0	56	111
04:15 PM	0	0	0	0	0	0	57	6	0	63	1	0	4	0	5	3	47	0	0	50	118
04:30 PM	0	0	0	0	0	0	55	4	0	59	2	0	2	0	4	4	52	0	0	56	119
04:45 PM	0	0	0	0	0	0	49	1	5_	55	2	0	5	2	9	1	43_	0	0	44	108
Total Volume	0	0	0	0	0	0	203	13	5	221	10	0	17	2	29	12	194	0	0	206	456
% App. Total	0	0	0_	0		0	91.9	5.9	2.3		34.5	0	58.6	6.9		5.8	94.2	0	0		
PHF	.000	.000	.000	.000	.000	.000	.890	.542	.250	.877	.500	.000	.708	.250	.659	.750	.933	.000	.000	.920	.958

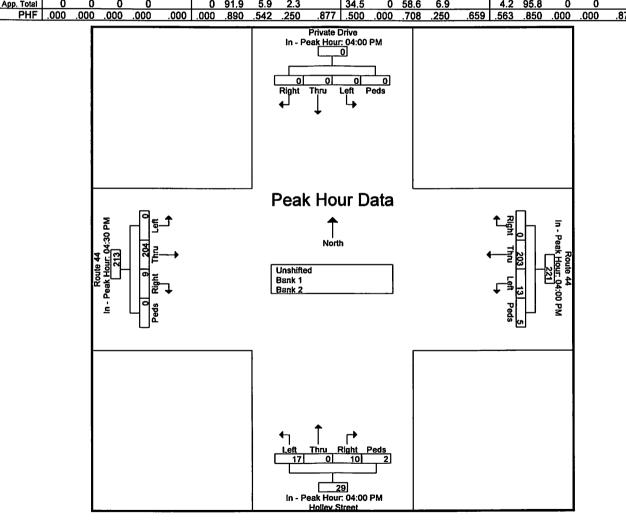


Kensington, Connecticut 06037 (860) 828-1693

> File Name : 21040 Site Code : 21040 Start Date : 10/1/2020

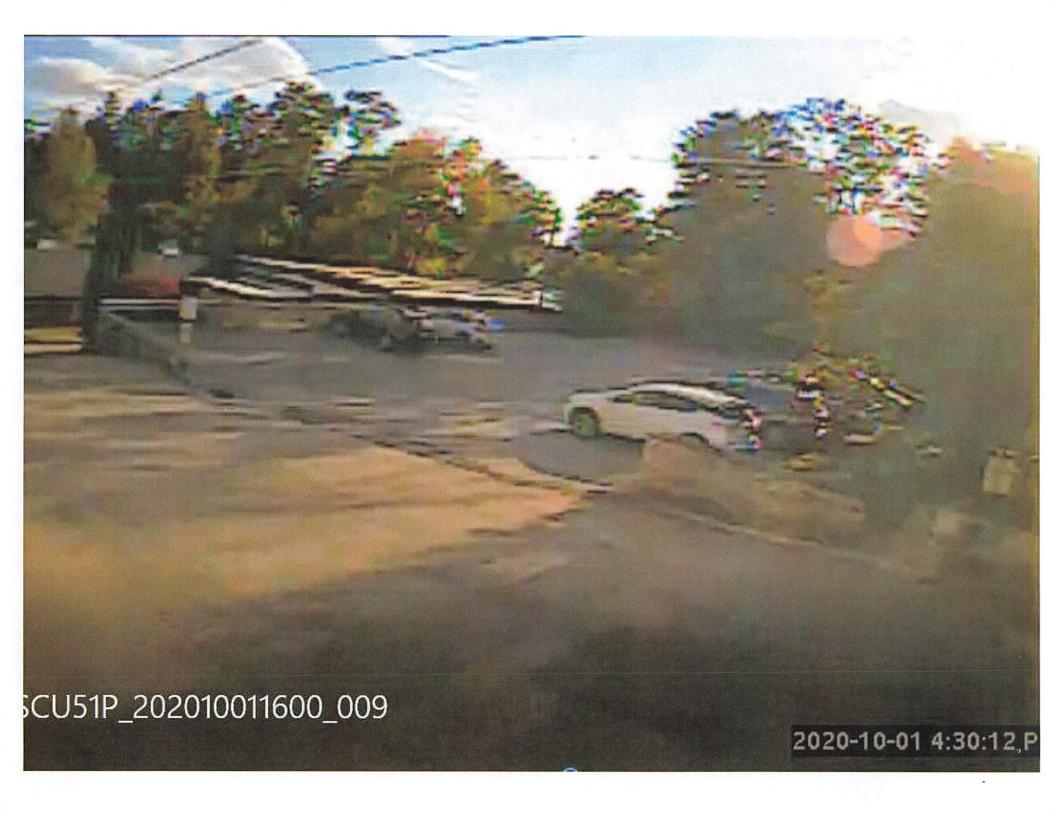
Page No : 3

	Private Drive						F	Route	44			Н	lley S	treet		Route 44					
		Fr	om N	orth			F	rom E	ast			Fr	om So	outh			Fr	om W	lest .		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour A	nalysi	s Fron	04:0	0 PM t	o 05:45	PM - I	Peak 1	of 1													
Peak Hour f	or Eacl	h Appr	oach	Begins	at:																
	04:00 PM	1		-		04:00 PA	4				04:00 PM					04:30 PM	1				
+0 mins.	0	0	0	0	0	0	42	2	0	44	5	0	6	0	11	4	52	0	0	56	
+15 mins.	0	0	0	0	0	0	57	6	0	63	1	0	4	0	5	1	43	0	0	44	
+30 mins.	0	0	0	0	0	0	55	4	0	59	2	0	2	0	4	1	60	0	0	61	
+45 mins.	0	0	0	0	0	0	49	1	5	55	2	0	5	2	9	3	49	0	0	52	
Total Volume	0	0	0	0	0	0	203	13	5	221	10	0	17	2	29	9	204	0	0	213	
% Ann. Total	l n	0	0	Ω		l n	91 9	5.0	23		345	n	58 B	6.9		42	95 R	n	O		



## **Parking Lot Peak Images**









## **Capacity Analysis**

Movement		-	1	1	-	4	-
Traffic Volume (veh/h)         165         4         6         137         5         5           Future Volume (Veh/h)         165         4         6         137         5         5           Sign Control         Free         Free         Stop         Grade         0%         0%         0%           Peak Hour Factor         0.85         0.85         0.87         0.89         0.69         0.69           Hourly flow rate (vph)         194         5         7         157         7         7           Pedestrians         Lane Width (ft)         Walking Speed (ft/s)         Percent Blockage         Right turn flare (veh)         None         None         Median type         None         None         Median storage veh)         Wolzer an signal (ft)         Vol.         Poly Fercent Blockage         Right turn flare (veh)         None         None         Median storage veh)         Wolzer an signal (ft)         Vol.         Vol.         \$6         196         \$6         196         \$6         196         \$6         196         \$6         \$196         \$6         \$196         \$6         \$196         \$6         \$196         \$196         \$196         \$196         \$196         \$196         \$196         \$196	Movement	EBT	EBR	WBL	WBT	NBL	NBR
Traffic Volume (veh/h) 165 4 6 137 5 5 Future Volume (Veh/h) 165 4 6 137 5 5 Sign Control Free Free Stop Grade 0% 0% 0% 0% Peak Hour Factor 0.85 0.85 0.87 0.87 0.69 0.69 Hourly flow rate (vph) 194 5 7 157 7 7 Pedestrians Lane Width (ft) Walking Speed (ft/s) Percent Blockage Right turn flare (veh) Median storage veh) Upstream signal (ft) pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vC2, stage 2 conf vol vC4, unblocked vol tC, single (s) tC, 2 stage (s) tF (s) 2.2 3.5 3.3 p0 queue free % 99 99 99 p0 queue free % 99 99 p1 99 p1 99 p1 94  Volume Total 199 164 14 Volume Total 199 164 14 Volume Right 5 0 7 cSH 1700 1373 721 Volume Right 5 0 7 cSH 1700 1373 721 Volume Right 5 0 7 cSH 1700 1373 721 Volume to Capacity 0.12 0.01 0.02 Queue Length 95th (ft) 0 0 1 Control Delay (s) 0.0 0.4 10.1 Approach LOS B Intersection Summary Average Delay 0.5	Lane Configurations	1>			र्भ	W	
Future Volume (Veh/h) 165 4 6 137 5 5 Sign Control Free Grade 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%			4	6			5
Sign Control         Free Grade         Free Own of the processing of the proce		165	4	6	137	5	5
Grade 0% 0% 0% 0% 069 Peak Hour Factor 0.85 0.85 0.87 0.87 0.69 0.69 Hourly flow rate (vph) 194 5 7 157 7 7 Pedestrians Lane Width (ft) Walking Speed (ft/s) Percent Blockage Right turn flare (veh) Median type None None Median storage veh) Upstream signal (ft) PX, platoon unblocked vC, conflicting volume 199 368 196 vC1, stage 1 conf vol vC2, stage 2 conf vol vCu, unblocked vol tC, 2 stage (s) tF (s) 2.2 3.5 3.3 p0 queue free % 99 99 99 cM capacity (veh/h) 1373 629 845  Direction, Lane # EB 1 WB 1 NB 1 Volume Total 199 164 14 Volume Total 199 164 14 Volume Right 5 0 7 CSH 1700 1373 721 Volume Right 5 0 7 CSH 1700 1373 721 Volume to Capacity (val) 0.10 0.02 Queue Length 95th (ft) 0 0 1 Control Delay (s) 0.0 0.4 10.1 Approach LOS B Intersection Summary Average Delay 0.5		Free			Free	Stop	
Hourly flow rate (vph) 194 5 7 157 7 7  Pedestrians  Lane Width (ft)  Walking Speed (ft/s)  Percent Blockage Right turn flare (veh)  Median type None None  Median storage veh)  Upstream signal (ft) pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vC2, stage 2 conf vol vC4, unblocked vol tC, single (s) tC, 2 stage (s) tF (s)		0%			0%		
Pedestrians   Lane Width (ft)   Walking Speed (ft/s)   Percent Blockage   Right turn flare (veh)   Median type   None   None   Median storage veh   Upstream signal (ft)   Pxx, platoon unblocked   VC, conflicting volume   199   368   196   196   199	Peak Hour Factor	0.85	0.85	0.87	0.87	0.69	0.69
Pedestrians Lane Width (ft)  Walking Speed (ft/s) Percent Blockage Right turn flare (veh)  Median type Median storage veh) Upstream signal (ft) pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vCu, unblocked vol tC, single (s) tC, 2 stage (s) tF (s)	Hourly flow rate (vph)	194	5	7	157	7	7
Walking Speed (ft/s)         Percent Blockage       Right turn flare (veh)         Median type       None       None         Median storage veh)       Upstream signal (ft)         pX, platoon unblocked vC, conflicting volume       199       368       196         vC1, stage 1 conf vol vC2, stage 2 conf vol vC2, stage 2 conf vol vC2, unblocked vol       199       368       196         tC, single (s)       4.1       6.4       6.2       6.2       6.2       6.2       6.2       6.2       10.2							
Walking Speed (ft/s)         Percent Blockage       Right turn flare (veh)         Median type       None       None         Median storage veh)       Upstream signal (ft)         pX, platoon unblocked       vC, conflicting volume       199       368       196         vC1, stage 1 conf vol       vCu, unblocked vol       199       368       196         vC2, stage 2 conf vol       vCu, unblocked vol       199       368       196         tC, siage (s)       4.1       6.4       6.2       6.2       16.4       6.2       6.2       16.4       6.2       6.2       17.3       3.3       4.1       4.1       4.1       4.1	Lane Width (ft)						
Percent Blockage         Right turn flare (veh)           Median type         None         None           Median storage veh)         Upstream signal (ft)           pX, platoon unblocked         vC, conflicting volume         199         368         196           vC1, stage 1 conf vol         vC2, stage 2 conf vol         vCu, unblocked vol         199         368         196           tC, single (s)         4.1         6.4         6.2         6.2         6.2         6.2         199         368         196         196         199         368         196         196         196         197         198         198         198         198         198         198         198         198         198         198         198         198         198         198         198         199							
Right turn flare (veh)  Median type  None  Median storage veh)  Upstream signal (ft) pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vCu, unblocked vol tC, single (s) tC, 2 stage (s) tF (s)  Queue free %  Queue Length 95th (ft) Control Delay (s) Approach LOS  Residual Service of Service o							
Median type         None         None           Median storage veh)         Upstream signal (ft)           pX, platoon unblocked         vC, conflicting volume         199         368         196           vC1, stage 1 conf vol         vC2, stage 2 conf vol         vCu, unblocked vol         199         368         196           tC, single (s)         4.1         6.4         6.2         6.2         6.2         6.2         10.2         3.5         3.3         3.3         90         99         90         <							
Median storage veh)       Upstream signal (ft)         pX, platoon unblocked       vC, conflicting volume         vC1, stage 1 conf vol       vC2, stage 2 conf vol         vCu, unblocked vol       199         tC, single (s)       4.1         tC, 2 stage (s)       5         tF (s)       2.2         y0 queue free %       99		None	and the bar will be to his		None		
Upstream signal (ft) pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vCu, unblocked vol tC, single (s) tF (s) py queue free % po queue free % point color col							
pX, platoon unblocked vC, conflicting volume vC1, stage 1 conf vol vC2, stage 2 conf vol vCu, unblocked vol tC, single (s) tF, (s) p0 queue free % p1 queue free % p1 queue free % p1 queue free % p2 queue free % p2 queue free % p3 queue free % p4 queue free % p4 queue free % p5 queue free % p6 queue free % p6 queue free % p7 queue free % p8 queue free % p9 queue free % p1 queue free queue free free free free free free free							
vC, conflicting volume       199       368       196         vC1, stage 1 conf vol       vC2, stage 2 conf vol         vCu, unblocked vol       199       368       196         tC, single (s)       4.1       6.4       6.2         tC, 2 stage (s)       5       5       3.3       3.9       9.9       1.0       1.0       1.0       1.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
VC1, stage 1 conf vol  VC2, stage 2 conf vol  VCu, unblocked vol  199 368 196 tC, single (s) 4.1 6.4 6.2 tC, 2 stage (s) tF (s) 2.2 3.5 3.3 p0 queue free % 99 99 99 99 99 CM capacity (veh/h) 1373 629 845  Direction, Lane # EB 1 WB 1 NB 1  Volume Total 199 164 14 Volume Left 0 7 7 Volume Right 5 0 7 cSH 1700 1373 721 Volume to Capacity 0.12 0.01 0.02 Queue Length 95th (ft) 0 0 1 Control Delay (s) Approach Delay (s) Approach LOS B Intersection Summary Average Delay 0.5				199		368	196
vC2, stage 2 conf vol         vCu, unblocked vol       199       368       196         tC, single (s)       4.1       6.4       6.2         tC, 2 stage (s)       5       2.2       3.5       3.3         p0 queue free %       99       99       99       99         cM capacity (veh/h)       1373       629       845         Direction, Lane #       EB 1       WB 1       NB 1         Volume Total       199       164       14         Volume Left       0       7       7         Volume Right       5       0       7         cSH       1700       1373       721         Volume to Capacity       0.12       0.01       0.02         Queue Length 95th (ft)       0       0       1         Control Delay (s)       0.0       0.4       10.1         Lane LOS       A       B         Approach LOS       B         Intersection Summary         Average Delay       0.5							100
vCu, unblocked vol     199     368     196       tC, single (s)     4.1     6.4     6.2       tC, 2 stage (s)     2.2     3.5     3.3       p0 queue free %     99     99     99       cM capacity (veh/h)     1373     629     845       Direction, Lane #     EB 1     WB 1     NB 1       Volume Total     199     164     14       Volume Left     0     7     7       Volume Right     5     0     7       cSH     1700     1373     721       Volume to Capacity     0.12     0.01     0.02       Queue Length 95th (ft)     0     0     1       Control Delay (s)     0.0     0.4     10.1       Lane LOS     A     B       Approach Delay (s)     0.0     0.4     10.1       Approach LOS     B       Intersection Summary       Average Delay     0.5							
tC, single (s) tC, 2 stage (s) tF (s) 2.2 3.5 3.3 p0 queue free % 99 99 99 99 99 99 CM capacity (veh/h) 1373 629 845  Direction, Lane # EB 1 WB 1 NB 1  Volume Total 199 164 14 Volume Left 0 7 7 Volume Right 5 0 7 cSH 1700 1373 721  Volume to Capacity 0.12 0.01 0.02 Queue Length 95th (ft) 0 0 1 Control Delay (s) Approach Delay (s) Approach LOS B  Intersection Summary  Average Delay  0.5				199		368	196
tC, 2 stage (s) tF (s)							
tF (s) 2.2 3.5 3.3 p0 queue free % 99 99 99 99 cM capacity (veh/h) 1373 629 845  Direction, Lane # EB 1 WB 1 NB 1 Volume Total 199 164 14 Volume Left 0 7 7 Volume Right 5 0 7 cSH 1700 1373 721 Volume to Capacity 0.12 0.01 0.02 Queue Length 95th (ft) 0 0 1 Control Delay (s) 0.0 0.4 10.1 Lane LOS A B Approach Delay (s) 0.0 0.4 10.1 Approach LOS B Intersection Summary  Average Delay 0.5							
p0 queue free %				22		3.5	3.3
CM capacity (veh/h)         1373         629         845           Direction, Lane #         EB 1         WB 1         NB 1           Volume Total         199         164         14           Volume Left         0         7         7           Volume Right         5         0         7           cSH         1700         1373         721           Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5							
Direction, Lane #         EB 1         WB 1         NB 1           Volume Total         199         164         14           Volume Left         0         7         7           Volume Right         5         0         7           cSH         1700         1373         721           Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5					MERCEO SE		
Volume Total         199         164         14           Volume Left         0         7         7           Volume Right         5         0         7           cSH         1700         1373         721           Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5		·	14/0 4			020	010
Volume Left         0         7         7           Volume Right         5         0         7           cSH         1700         1373         721           Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5	THE CONTRACTOR OF THE PARTY OF						
Volume Right         5         0         7           cSH         1700         1373         721           Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5							
CSH 1700 1373 721  Volume to Capacity 0.12 0.01 0.02  Queue Length 95th (ft) 0 0 1  Control Delay (s) 0.0 0.4 10.1  Lane LOS A B  Approach Delay (s) 0.0 0.4 10.1  Approach LOS B  Intersection Summary  Average Delay 0.5							
Volume to Capacity         0.12         0.01         0.02           Queue Length 95th (ft)         0         0         1           Control Delay (s)         0.0         0.4         10.1           Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5						PORGERNA	
Queue Length 95th (ft)       0       0       1         Control Delay (s)       0.0       0.4       10.1         Lane LOS       A       B         Approach Delay (s)       0.0       0.4       10.1         Approach LOS       B         Intersection Summary         Average Delay       0.5							
Control Delay (s) 0.0 0.4 10.1  Lane LOS A B  Approach Delay (s) 0.0 0.4 10.1  Approach LOS B  Intersection Summary  Average Delay 0.5		THE RESERVE AND ADDRESS OF THE PARTY.	THE PERSON NAMED IN COLUMN				
Lane LOS         A         B           Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5							
Approach Delay (s)         0.0         0.4         10.1           Approach LOS         B           Intersection Summary           Average Delay         0.5		0.0					
Approach LOS B Intersection Summary Average Delay 0.5							
Intersection Summary Average Delay 0.5		0.0	0.4				
Average Delay 0.5	Approach LOS			В			
	Intersection Summary						
	Average Delay			0.5			
Intersection Capacity Utilization 22.1% ICU Level of Service	Intersection Capacity Utiliz	ation		22.1%	IC	U Level o	f Service
Analysis Period (min) 15							

	•	-	4	1	Ţ	1
Mayamant	FDI	EDD	NDI	NDT	CDT	CDD
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	A	•	^	<b>€</b> Î	1	
Traffic Volume (veh/h)	0	2	0	10	9	1
Future Volume (Veh/h)	0	2	0	10	9	1
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	2	0	11	10	1
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	22	10	11		-	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol				and the second second		
vCu, unblocked vol	22	10	11			
tC, single (s)	6.4	6.2	4.1			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			
cM capacity (veh/h)	995	1071	1608			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	2	11	11			
Volume Left	0	0	0			
Volume Right	2	0	1	CONTRACTOR OF THE PARTY OF THE		STATE OF THE PARTY
cSH	1071	1608	1700			
Volume to Capacity	0.00	0.00	0.01		uffer street and a second	
Queue Length 95th (ft)	0	0	0			
Control Delay (s)	8.4	0.0	0.0			
Lane LOS	Α					
Approach Delay (s)	8.4	0.0	0.0			
Approach LOS	Α					
Intersection Summary						
Average Delay			0.7			
Intersection Capacity Utiliz	ation		13.3%	IC	U Level o	of Service
Analysis Period (min)			15			30,,,,,
, analysis i chod (mill)			10			

	<b>→</b>	*	1	<b>←</b>	1	-
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1			લ	W	
Traffic Volume (veh/h)	194	12	13	203	17	10
Future Volume (Veh/h)	194	12	13	203	17	10
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.88	0.88	0.66	0.66
Hourly flow rate (vph)	211	13	15	231	26	15
Pedestrians						
Lane Width (ft)	Market Block States And States An					
Walking Speed (ft/s)						
Percent Blockage				ACTION ASSESSED.		
Right turn flare (veh)						
Median type	None			None		
Median storage veh)	RELATEDOR			110110		
Upstream signal (ft)						
pX, platoon unblocked	SISSESSES					
vC, conflicting volume			224		478	218
vC1, stage 1 conf vol						210
vC2, stage 2 conf vol						
vCu, unblocked vol			224		478	218
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)					U.4	
tF (s)			2.2		3.5	3.3
p0 queue free %		No. of the last	99		95	98
cM capacity (veh/h)			1345		540	822
				_	340	022
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	224	246	41			
Volume Left	0	15	26			
Volume Right	13	0	15			
cSH	1700	1345	617			
Volume to Capacity	0.13	0.01	0.07			NO THE PARTY NAMED IN
Queue Length 95th (ft)	0	1	5			
Control Delay (s)	0.0	0.6	11.2			
Lane LOS		Α	В			
Approach Delay (s)	0.0	0.6	11.2			
Approach LOS			В			
Intersection Summary						
Average Delay			1.2			
Intersection Capacity Utiliz	ration	Commission Commission	31.3%	IC	U Level o	f Service
Analysis Period (min)	duon		15		201010	1 0011100
Analysis i chou (iiiii)			10	era (are Sasalina		

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Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W	1970		स	7+	
Traffic Volume (veh/h)	2	4	2	25	22	3
Future Volume (Veh/h)	2	4	2	25	22	3
Sign Control	Stop			Free	Free	
Grade	0%	- Maria Cara Cara Cara Cara Cara Cara Cara		0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	2	4	2	27	24	3
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	56	26	27			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	56	26	27			
tC, single (s)	6.4	6.2	4.1			
tC, 2 stage (s)	0.4	0.2				
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			National Section
cM capacity (veh/h)	950	1050	1587			
	9.500.00				-	
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	6	29	27			
Volume Left	2	2	0		37.03	
Volume Right	4	0	3			
cSH	1015	1587	1700			
Volume to Capacity	0.01	0.00	0.02			
Queue Length 95th (ft)	0	0	0			
Control Delay (s)	8.6	0.5	0.0			
Lane LOS	Α	Α				
Approach Delay (s)	8.6	0.5	0.0			
Approach LOS	Α					
Intersection Summary						
Average Delay			1.1			
Intersection Capacity Utiliza	ation		13.3%	IC	CU Level o	of Service
Analysis Period (min)			15			

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Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>	= - 7 = 1		र्स	NA.	
Traffic Volume (veh/h)	177	4	6	147	5	5
Future Volume (Veh/h)	177	4	6	147	5	5
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.85	0.85	0.87	0.87	0.69	0.69
Hourly flow rate (vph)	208	5	7	169	7	7
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage veh)	er (e. 100 m/s)	tribution is				
Upstream signal (ft)	and the same of the same of					The second secon
pX, platoon unblocked						
vC, conflicting volume	- The same of the		213		394	210
vC1, stage 1 conf vol						
vC2, stage 2 conf vol		Evaluation of the same of the				
vCu, unblocked vol			213		394	210
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF(s)			2.2		3.5	3.3
p0 queue free %			99		99	99
cM capacity (veh/h)			1357		608	830
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	213	176	14			
Volume Left	0	7	7			
Volume Right	5	0	7			
cSH	1700	1357	702			
Volume to Capacity	0.13	0.01	0.02			
Queue Length 95th (ft)	0	0	2			
Control Delay (s)	0.0	0.3	10.2			
Lane LOS		Α	В			
Approach Delay (s)	0.0	0.3	10.2			
Approach LOS			В			
Intersection Summary						
Average Delay			0.5			
Intersection Capacity Utiliza	ation		22.6%	IC	U Level o	f Service
Analysis Period (min)			15			

	1	1	1	1	<b></b>	1
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			4	7-	
Traffic Volume (veh/h)	0	2	0	10	9	1
Future Volume (Veh/h)	0	2	0	10	9	1
Sign Control	Stop			Free	Free	
Grade	0%	Salar Alas Alas Alas Alas Alas Alas Alas Alas		0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0.02	2	0.02	11	10	1
Pedestrians					10	
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)			(C) (C) (C)	NOTE	None	
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	22	10	11			
vC1, stage 1 conf vol	22	10	11			
vC2, stage 2 conf vol						
vCu, unblocked vol	22	10	11	Webs.	STORES THE STORES	SIGNICALS
	6.4		4.1			
tC, single (s)	0.4	6.2	4.1			
tC, 2 stage (s)	2.5	2.0	0.0			
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			
cM capacity (veh/h)	995	1071	1608			
Direction, Lane#	EB 1	NB 1	SB 1			
Volume Total	2	11	11			
Volume Left	0	0	0			
Volume Right	2	0	1			
cSH	1071	1608	1700			
Volume to Capacity	0.00	0.00	0.01			
Queue Length 95th (ft)	0	0	0			
Control Delay (s)	8.4	0.0	0.0			
Lane LOS	Α					
Approach Delay (s)	8.4	0.0	0.0			
Approach LOS	Α					
Intersection Summary						
Average Delay			0.7			
Intersection Capacity Utili	zation		13.3%	IC	CU Level o	of Service
Analysis Period (min)			15			
			10			

	-	*	1	-	1	-
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>			र्स	W	
Traffic Volume (veh/h)	208	13	14	218	18	11
Future Volume (Veh/h)	208	13	14	218	18	11
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.88	0.88	0.66	0.66
Hourly flow rate (vph)	226	14	16	248	27	17
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage	46 6 30 10 10 10 10 10 10 10 10 10 10 10 10 10					
Right turn flare (veh)						
Median type	None			None		AND DESCRIPTION OF THE PARTY OF
Median storage veh)	.,0110					
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	egylat kombleno Ni		240	NO CONTROL DE CONTROL	513	233
vC1, stage 1 conf vol						
vC2, stage 2 conf vol					Manager House St	
vCu, unblocked vol			240		513	233
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			99		95	98
cM capacity (veh/h)			1327		515	806
	ED 1	IMP 4	100-35 (1000)			
Direction, Lane # Volume Total	EB 1 240	WB 1 264	NB 1			
	0	16	27	Service Annuals		
Volume Left	14	0	17	Employed.		
Volume Right						
cSH	1700	1327	598			
Volume to Capacity	0.14	0.01	0.07			NO CONTROL OF THE
Queue Length 95th (ft)	0	1	6			
Control Delay (s)	0.0	0.6	11.5			
Lane LOS		A	В			
Approach Delay (s)	0.0	0.6	11.5			
Approach LOS			В			
Intersection Summary						
Average Delay			1.2			
Intersection Capacity Utilizat	tion		33.0%	IC	U Level o	f Service
Analysis Period (min)			15			

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Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			4	1	
Traffic Volume (veh/h)	2	4	2	27	24	3
Future Volume (Veh/h)	2	4	2	27	24	3
Sign Control	Stop			Free	Free	
Grade	0%	a Thair day Thair May May Thair Thair		0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	2	4	2	29	26	3
Pedestrians		and the second				
Lane Width (ft)			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
Median storage veh)						
Upstream signal (ft)						The second secon
pX, platoon unblocked	unio (gal) de servicio					
vC, conflicting volume	60	28	29	The second secon		
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	60	28	29			
tC, single (s)	6.4	6.2	4.1	THE REAL PROPERTY.		e construction de la constructio
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			
cM capacity (veh/h)	945	1048	1584			
Direction, Lane#	EB 1	NB 1	SB 1			
Volume Total	6	31	29			
Volume Left	2	2	0			
Volume Right	4	0	3			
cSH	1011	1584	1700			
Volume to Capacity	0.01	0.00	0.02			
Queue Length 95th (ft)	0	0	0			
Control Delay (s)	8.6	0.5	0.0			
Lane LOS	Α	Α				
Approach Delay (s)	8.6	0.5	0.0			
Approach LOS	Α					
Intersection Summary						
Average Delay			1.0			
Intersection Capacity Utilizati	ion		13.3%	IC	U Level o	f Service
Analysis Period (min)			15			

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Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>			4	W	
Traffic Volume (veh/h)	177	5	7	147	7	7
Future Volume (Veh/h)	177	5	7	147	7	7
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.85	0.85	0.87	0.87	0.69	0.69
Hourly flow rate (vph)	208	6	8	169	10	10
Pedestrians						
Lane Width (ft)			NAME OF TAXABLE PARTY OF TAXABLE PARTY.			
Walking Speed (ft/s)						
Percent Blockage		N. CONTROL CO.				
Right turn flare (veh)						
Median type	None			None		
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked			NESSEE			
vC, conflicting volume			214	NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,	396	211
vC1, stage 1 conf vol						
vC2, stage 2 conf vol	BURNES STATE OF					
vCu, unblocked vol			214		396	211
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			99		98	99
cM capacity (veh/h)			1356		605	829
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	214	177	20		Manager Page	
Volume Left	0	8	10			
Volume Right	6	0	10	GUCKERIA KW		
cSH	1700	1356	700	3 6 6 6 6		
Volume to Capacity	0.13	0.01	0.03			
Queue Length 95th (ft)	0.13	0.01	2		March Chicago	
Control Delay (s)	0.0	0.4	10.3			
Lane LOS	0.0	Α	В			
Approach Delay (s)	0.0	0.4	10.3			
Approach LOS	0.0	0.4	В			
		TV-12-E-ST	-			
Intersection Summary						
Average Delay			0.7			
Intersection Capacity Utiliza	ation		23.4%	IC	U Level o	of Service
Analysis Period (min)			15			

	۶	*	1	<b>†</b>	1	1
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			4	7>	
Traffic Volume (veh/h)	4	3	0	10	9	3
Future Volume (Veh/h)	4	3	0	10	9	3
Sign Control	Stop			Free	Free	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	4	3	0.52	11	10	3
Pedestrians					10	
Lane Width (ft)						
Walking Speed (ft/s)		00000000				
Percent Blockage						
Right turn flare (veh)						
Median type				None	None	
		a de la company		None	None	
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked	00	40	40	10000		
vC, conflicting volume	22	12	13			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	22	12	13			
tC, single (s)	6.4	6.2	4.1			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	100	100			
cM capacity (veh/h)	994	1069	1606			
Direction, Lane#	EB 1	NB 1	SB 1			
Volume Total	7	11	13			
Volume Left	4	0	0			
Volume Right	3	0	3			
cSH	1025	1606	1700			
Volume to Capacity	0.01	0.00	0.01			
Queue Length 95th (ft)	1	0	0.01			
Control Delay (s)	8.5	0.0	0.0		version and sold	
Lane LOS	0.5 A	0.0	0.0			
Approach Delay (s)	8.5	0.0	0.0			
Approach LOS	6.5 A	0.0	0.0			
	А					
Intersection Summary						
Average Delay			1.9			
Intersection Capacity Utiliz	zation		13.3%	IC	CU Level o	of Service
Analysis Period (min)			15			

	•	*	4	1	<b>↓</b>	1
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	M			ર્ન	7>	
Traffic Volume (veh/h)	5	5	3	27	24	8
Future Volume (Veh/h)	5	5	3	27	24	8
Sign Control	Stop			Free	Free	
Grade	0%		NO-CHEROMOTOR AND	0%	0%	SUMPRIMERS AND ROAD
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	5	5	3	29	26	9
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						***
Right turn flare (veh)						
Median type				None	None	
Median storage veh)				140110	140110	
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	66	30	35			
vC1, stage 1 conf vol	00	30	33			
vC2, stage 2 conf vol	ar and a single same					
vCu, unblocked vol	66	30	35			
most sense process are accomplished and appropriate population of persons and accomplished	6.4	6.2	4.1			
tC, single (s)	0.4	0.2	4.1			
tC, 2 stage (s)	2.5		0.0			
tF (s)	3.5	3.3	2.2			
p0 queue free %	99	100	100			
cM capacity (veh/h)	938	1044	1576			
Direction, Lane #	EB 1	NB 1	SB 1			
Volume Total	10	32	35			
Volume Left	5	3	0			
Volume Right	5	0	9			
cSH	988	1576	1700			
Volume to Capacity	0.01	0.00	0.02			
Queue Length 95th (ft)	1	0	0			
Control Delay (s)	8.7	0.7	0.0		AND THE PARTY OF T	
Lane LOS	Α	Α	645	2.77		
Approach Delay (s)	8.7	0.7	0.0			
Approach LOS	Α		9.8			
Intersection Summary						
Average Delay			1.4			
Intersection Capacity Utili	ization		13.9%	IC	CU Level o	f Service
Analysis Period (min)	Ladon		15.376	10	201010	. 3011100
mialysis i chou (illiii)			10			