

MEMORANDUM

TO: Mr. Keith McGuire
Project Director
Island Housing Trust
P.O. Box 779
West Tisbury, MA 02575

FROM: Mr. Jeffrey S. Dirk, P.E.*, PTOE, FITE
Managing Partner
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Andover, MA 01810-1066
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**Professional Engineer in CT, MA, ME, NH, RI and VA*

DATE: October 6, 2023

RE: 9817

SUBJECT: Transportation Impact Assessment
Proposed Multifamily Residential Development - 401 State Road
West Tisbury, Massachusetts

Vanasse & Associates, Inc. (VAI) has conducted a Transportation Impact Assessment (TIA) in order to determine the potential impacts on the transportation infrastructure associated with the proposed construction of a multifamily residential development to be located at 401 State Road in West Tisbury, Massachusetts (hereafter referred to as the “Project”). This study evaluates the following specific areas as they relate to the Project: i) access requirements; ii) potential impacts to traffic flow and safety along State Road and Lambert’s Cove Road; and iii) sight lines at the Project site driveway. Based on this assessment, we have concluded the following with respect to the Project:

1. Using trip-generation statistics published by the Institute of Transportation Engineers (ITE),¹ the Project is expected to generate approximately 66 vehicle trips on an average weekday (two-way, 24-hour volume), with 6 vehicle trips expected during the weekday morning peak hour and 7 vehicle trips expected during the weekday evening peak hour;
2. The Project will not result in a significant impact (increase) on motorist delays or vehicle queuing over existing conditions, with Project-related impacts defined as an increase in peak-hour traffic along State Road of approximately four (4) vehicles and on Lambert’s Cove Road to the north of the Project site of approximately three (3) vehicles, or one additional vehicle every 15 to 20 minutes during the peak hours;
3. Based on a review of motor vehicle crash data provided by the Massachusetts Department of Transportation (MassDOT), the State Road/Lambert’s Cove intersection experienced two (2) crashes over the most recent 5-year review period, or less than one (1) crash per year; and
4. Lines of sight at the Project site driveway intersection with Lambert’s Cove Road can be made to meet or exceed the recommended minimum distances for the intersection to operate in a safe and efficient manner.

¹*Trip Generation*, 11th Edition; Institute of Transportation Engineers; Washington, DC; 2021.



In consideration of the above, we have concluded that the Project can be accommodated within the confines of the existing transportation infrastructure in a safe and efficient manner with the implementation of the recommendations defined herein.

The following details our assessment of the Project.

PROJECT DESCRIPTION

The Project will entail the construction of a multifamily residential development to be located at 401 State Road in West Tisbury, Massachusetts, that will consist of five (5) one-story buildings that will contain a total of nine (9) residential units. The Project site encompasses approximately 2.6± acres of land that is bound by residential properties and areas of open and wooded space to the north and east; by State Road to the south; and by Lambert's Cove Road to the west. The site is currently undeveloped and contains area of open and wooded space.



Imagery ©2023 Google.

Access to the Project site will be provided by way of a new driveway that will intersect the east side of Lambert's Cove Road approximately 275 feet north of State Road. Off-street parking will be provided for 15 vehicles, or a parking ratio of 1.67 parking spaces per unit, which is below the parking requirements specified in Section, 8.2 Parking, of the Town of West Tisbury Zoning Bylaw for a residential use,² but is consistent with the parking ratios observed for other multifamily residential communities in a similar setting documented by the ITE.³

²Two (2) parking spaces per dwelling unit are required.

³*Parking Generation*, 5th Edition; Institute of Transportation Engineers; Washington D.C.; January 2019. Observed peak parking demands for a multifamily (low-rise) residential community were found to range from 0.58 to 2.50 parking spaces per unit, with

EXISTING CONDITIONS CONTEXT

A review of existing conditions within the study area was performed that included obtaining traffic-volume data from the Martha's Vineyard Commission (MVC) and a review of existing pedestrian and bicycle accommodations, public transportation services, and motor vehicle crash data. The following summarizes existing conditions within the study area.

Roadways

State Road

State Road is a two-lane urban minor arterial roadway that traverses the study area in a general northeast-southwest direction and is under MassDOT jurisdiction. In the vicinity of the Project site, State Road provides two 12±-foot-wide travel lanes that are separated by a double-yellow centerline with 2±-foot-wide marked shoulders. The posted speed limit in the vicinity of the Project site is 30 miles per hour (mph), with a 20 mph School Zone located to the south of Indian Hill Road that is associated with the Martha's Vineyard Public Charter School. Sidewalks and illumination are not provided along the roadway within the study area. Land use along State Road within the study area consists of the Project site, residential and commercial properties, the Martha's Vineyard Public Charter School and areas of open and wooded space.

Lambert's Cove Road

Lambert's Cove Road is a two-lane urban collector roadway that traverses the study area in a general north-south direction and is under Town jurisdiction. In the vicinity of the Project site, Lambert's Cove Road provides two 10±-foot-wide travel lanes that are separated by a double-yellow centerline with no marked shoulders. The posted speed limit in the vicinity of the Project site is 30 mph. Sidewalks and illumination are not provided along the roadway within the study area. Land use along Lambert's Cove Road within the study area consists of the Project site, residential properties, and areas of open and wooded space.

Intersection

Table 1 summarizes existing lane use, traffic control, and pedestrian and bicycle accommodations at the intersection of State Road at Lambert's Cove Road.

an average observed parking demand of 1.21 parking spaces per unit and an 85th percentile peak parking demand (typical design value) of 1.52 parking spaces per unit.



Table 1
STUDY AREA INTERSECTION DESCRIPTION

Intersection	Traffic Control Type^a	No. of Travel Lanes Provided	Shoulder Provided? (Yes/No/Width)	Pedestrian Accommodations? (Yes/No/Description)	Bicycle Accommodations? (Yes/No/Description)
State Rd./ Lambert's Cove Rd.	S	1 general-purpose travel lane provided on all approaches; the Lambert's Cove Rd. leg splits into 2 separate legs that are separated by a triangular island approaching State Rd. with 2-way traffic conveyed to/from Lambert's Cove Rd. on both sides of the island	Yes; 2 feet on State Rd.	No	Yes; a shared traveled-way on State Rd. ^b

^aS = STOP-sign control.

^bCombined shoulder and travel lane width equal to or exceed 14 feet.

Existing Traffic Volumes

In order to determine existing traffic-volume demands and flow patterns within the study area, automatic traffic recorder (ATR) counts were obtained from the MVC for State Road and Lambert's Cove Road within the study area. The ATR's were performed over a continuous 24-hour period over 11-days from June 1st through June 11th, 2023 (Thursday through Sunday, inclusive).

In order to evaluate the potential for seasonal fluctuation of traffic volumes within the study area, historic traffic count data maintained by the Cape Cod Commission (CCC)⁴ was reviewed. Based on a review of this data, it was determined that traffic volumes during the month June are approximately 12 percent above average-month conditions and 18 percent below peak-month (August) conditions. In order to develop traffic-volume conditions within the study area under average-month conditions an adjustment factor of 0.89 was applied to the June traffic volumes. Peak-month conditions were established by applying an adjustment factor of 1.18 to the June traffic volumes.

Based on current guidance from MassDOT, pandemic-related adjustment of traffic counts performed after March 2022 are no longer required except in locations where the predominant land use consists of offices or similar uses.⁵ Given that the predominant land use within the study area is commercial/industrial, a pandemic-related adjustment was not required.

The 2023 Existing traffic volumes are summarized in Table 2.

⁴Cape Cod 2019 Traffic Counting Report, Cape Cod Commission; 2019.

⁵25% Design Submission Guidelines; MassDOT Highway Division, Traffic and Safety Engineering; Revised May 31, 2022.



Table 2
2023 EXISTING TRAFFIC VOLUMES
AVERAGE-MONTH/PEAK-MONTH CONDITIONS

Location/Peak-Hour	AWT ^a	VPH ^b	K Factor ^c	Directional Distribution ^d
<i>State Road, east of Lambert's Cove Road:</i>	5,870/7,785	--	--	--
Weekday Morning (8:00 – 9:00 AM)	--	529/701	9.0	59.9% WB
Weekday Evening (3:00 – 4:00 PM)	--	568/753	9.7	55.3% EB
<i>State Road, west of Lambert's Cove Road:</i>	6,245/8,280	--	--	--
Weekday Morning (8:00 – 9:00 AM)	--	504/668	8.1	55.8% WB
Weekday Evening (3:45 – 4:45 PM)	--	575/762	9.2	52.2% EB
<i>Lambert's Cove Road, north of State Road:</i>	1,790/2,375	--	--	--
Weekday Morning (8:00 – 9:00 AM)	--	159/211	8.9	54.7% SB
Weekday Evening (3:00 – 4:00 PM)	--	161/214	9.0	59.1% NB

^aAverage weekday traffic in vehicles per day.

^bVehicles per hour.

^cPercent of daily traffic occurring during the peak hour.

^dPercent traveling in peak direction.

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

As can be seen in Table 2, State Road east of Lambert's Cove Road was found to accommodate approximately 5,870 vehicles on an average weekday under average-month conditions and 7,785 vehicles under peak-month conditions (both two-way, 24-hour volumes). During the weekday morning peak hour, this section of State Road was found to accommodate approximately 529 vehicles per hour (vph) under average-month conditions and 701 vph under peak-month conditions. During the weekday evening peak hour, this section of State Road was found to accommodate approximately 568 vph under average-month conditions and 753 vph under peak-month conditions.

State Road west of Lambert's Cove Road was found to accommodate approximately 6,245 vehicles on an average weekday under average-month conditions and 8,280 vehicles under peak-month conditions. During the weekday morning peak hour, this section of State Road was found to accommodate approximately 504 vph under average-month conditions and 668 vph under peak-month conditions. During the weekday evening peak hour, this section of State Road was found to accommodate approximately 575 vph under average-month conditions and 762 vph under peak-month conditions.

Lambert's Cove Road in the vicinity of the Project site was found to accommodate approximately 1,790 vehicles on an average weekday under average-month conditions and 2,375 vehicles under peak-month conditions. During the weekday morning peak hour, this section of Lambert's Cove Road was found to accommodate approximately 159 vph under average-month conditions and 211 vph under peak-month conditions. During the weekday evening peak hour, this section of Lambert's Cove Road was found to accommodate approximately 161 vph under average-month conditions and 214 vph under peak-month conditions.



Pedestrian and Bicycle Facilities

A review of pedestrian and bicycle facilities within the study area was undertaken. Based on this review, sidewalks and formal bicycle facilities are not provided within the study area. State Road provides sufficient width to accommodate bicycle travel in a shared traveled-way condition.⁶

Public Transportation

Regularly scheduled public transportation services are provided within the study area by the Martha's Vineyard Transit Authority (VTA). The VTA provides fixed-route bus service along State Road and Lambert's Cove Road that is accessible at the Project site by way of the following bus routes:

- *Route 2, West Tisbury - Vineyard Haven via Old County Road and Lambert's Cove Road*
- *Route 3, Vineyard Haven - West Tisbury via State Road and Old County Road*
- *Route 4, West Tisbury - Chilmark - Menemsha via North Road*

Bus Routes 2 and 3 provide service between the Vineyard Haven Steam Ship Authority Terminal and West Tisbury Town Hall, with Route 2 traveling along Lambert's Cove Road and State Road and Route 3 traveling along State Road. Bus Route 4 provides service between Menemsha Beach and West Tisbury Town Hall, and travels along State Road. In addition to regular stops, VTA buses operate in a flag-stop mode, where a passenger can request service (pick-up or drop-off) along the regular service route where it is safe to do so by signaling to the driver.

The VTA also provides complementary paratransit service (The Lift) for eligible persons who cannot use fixed-route bus services all or some of the time due to a physical, cognitive, or mental disability in compliance with the Americans with Disabilities Act (ADA). In addition, the VTA also operates a weekly Medivan service to Boston area medical facilities.

The public transportation schedules and fare information are provided in the Appendix.

Motor Vehicle Crash Data

Motor vehicle crash information was obtained from the MassDOT Highway Division Safety Management/Traffic Operations Unit for the State Road/Lambert's Cove Road intersection for the most recent five-year period available (2016 through 2020, inclusive) in order to examine motor vehicle crash trends occurring within the study area. The data is summarized by type, severity, roadway and weather conditions, and day of occurrence, and is presented in Table 3. As can be seen in Table 3, the State Road/Lambert's Cove Road intersection was found to have experienced two (2) reported motor vehicle crashes per year over the five-year review period, or an average of 0.4 crashes per year, which would not be considered significant.

A review of the MassDOT statewide High Crash Location List indicated that there are no Highway Safety Improvement Program (HSIP) eligible high crash locations within the study area. In addition, no fatal motor vehicle crashes were reported to have occurred at the study area intersections over the five-year review period.

The detailed MassDOT Crash Rate Worksheet and HSIP Mapping are attached.

⁶A minimum combined travel lane and paved shoulder width of 14-feet is required to support bicycle travel in a shared traveled-way condition.



Table 3
MOTOR VEHICLE CRASH DATA ^a

	State Road/ Lambert's Hill Road
Traffic Control Type ^b	U
<i>Year:</i>	
2016	0
2017	0
2018	1
2019	0
<u>2020</u>	<u>1</u>
Total	2
Average	0.40
<i>Type:</i>	
Angle	0
Head-On	0
Rear-End	0
Sideswipe	0
Fixed Object	1
Pedestrian/Bicycle	0
<u>Unknown/Other</u>	<u>1</u>
Total	2
<i>Conditions:</i>	
Clear	2
Cloudy	0
Rain	0
Snow/Ice	0
<u>Fog/Smoke</u>	<u>0</u>
Total	2
<i>Lighting:</i>	
Daylight	2
Dawn/Dusk	0
Dark (Road Lit)	0
<u>Dark (Road Unlit)</u>	<u>0</u>
Total	2
<i>Day of Week:</i>	
Monday-Friday	0
Saturday	1
<u>Sunday</u>	<u>1</u>
Total	2
<i>Severity:</i>	
Property Damage Only	1
Non-fatal Injury	1
Fatalities	0
<u>Not Reported</u>	<u>0</u>
Total	2

^aSource: MassDOT Safety Management/Traffic Operations Unit records, 2016 through 2020.

^bTraffic Control Type: S = signalized, U = unsignalized.



PROJECT-GENERATED TRAFFIC

Design year (2030 Build) traffic volumes for the study area roadways were determined by estimating Project-generated traffic volumes and assigning those volumes on the study roadways. The following sections describe the methodology used to develop the anticipated traffic characteristics of the Project.

As proposed, the Project will entail the construction of five (5) one-story buildings that will contain a total of nine (9) multifamily residential units. In order to develop the traffic characteristics of the Project, trip-generation statistics published by the ITE⁷ for a similar land use as that proposed were used. ITE Land Use Code (LUC) 215, *Single-Family Attached Housing*, was used to develop the traffic characteristics of the Project, the results of which are summarized in Table 4.

Table 4
TRIP GENERATION SUMMARY

Time Period	Vehicle Trips ^a		
	Entering	Exiting	Total
Average Weekday	33	33	66
Weekday Morning Peak Hour	1	5	6
Weekday Evening Peak Hour	5	2	7

^aBased on ITE LUC 215, *Single-Family Attached Housing* (9 dwelling units).

Project-Generated Traffic-Volume Summary

As can be seen in Table 4, the Project is expected to generate approximately 66 vehicle trips on an average weekday (two-way, 24-hour volume, or 33 vehicles entering and 33 exiting), with 6 vehicle trips (1 vehicle entering and 5 exiting) expected during the weekday morning peak hour and 7 vehicle trips (5 vehicles entering and 2 exiting) expected during the weekday evening peak hour.

IMPACT ASSESSMENT

As shown in Table 4, the Project is expected to generate 66 vehicle trips on an average weekday and between 6 and 7 vehicle trips during the weekday peak hours. A review of existing traffic patterns along Lambert's Cove Road indicates that approximately 55 to 60 percent of the traffic is oriented to/from State Road. Accordingly, the Project would be expected to add approximately 40 vehicle trips to State Road on an average weekday and approximately 4 vehicle trips during the weekday peak hours or less than a one (1) percent increase in traffic on an average weekday or during the weekday peak hours. Traffic volume increases on Lambert's Cove Road to the north of the Project site would range from approximately one (1) to two (2) percent. Such increases would not be readily apparent over existing conditions and would not result in a material increase in motorist delays or vehicle queuing. For context, traffic typically fluctuate by approximately 10 percent between Monday and Friday.

⁷Institute of Transportation Engineers, op. cit. 1.

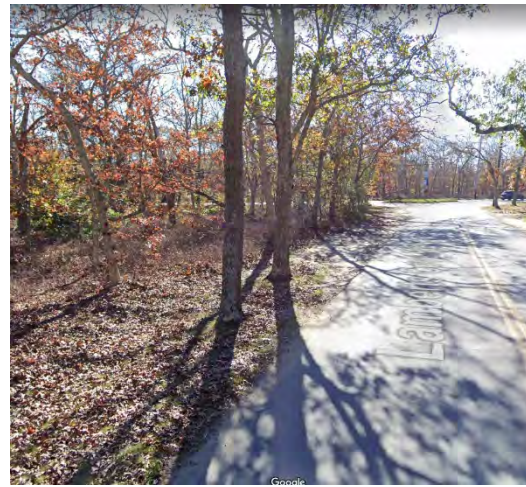


SIGHT DISTANCE REVIEW

A review of lines of sight to and from the Project site driveway at its intersection with Lambert's Cove Road was completed using Google© imagery. The posted speed limit along Lambert's Cove Road approaching the Project site driveway is 30 mph. Assuming an approach speed of 35 mph (5 mph above the posted speed limit), the recommended minimum sight distance for safe operation of the intersection is 250 feet.⁸ Lambert's Cove Road approaching the Project site driveway is relatively level and the horizontal alignment does not pose an apparent restriction that would limit the lines of sight approaching the Project site driveway to less than 250 feet. Roadside vegetation is present along the east side of the roadway to both the north and south of the Project site driveway that should be selectively trimmed or removed and maintained to ensure that the available sight line for a motorist exiting the driveway meets or exceeds 250 feet.



Looking to the North from the Project Driveway



Looking to the South from the Project Driveway

⁸A *Policy on Geometric Design of Highways and Streets*, 7th Edition; American Association of State Highway and Transportation Officials (AASHTO); 2018.

SUMMARY

VAI has completed a detailed assessment of the potential impacts on the transportation infrastructure associated with the proposed construction of a multifamily residential development to be located at 401 State Road in West Tisbury, Massachusetts. The following specific areas have been evaluated as they relate to the Project: i) access requirements; ii) potential impacts to traffic flow and safety along State Road and Lambert's Cove Road; and iii) sight lines at the Project site driveway. Based on this assessment, we have concluded the following with respect to the Project:

1. Using trip-generation statistics published by the ITE,⁹ the Project is expected to generate approximately 66 vehicle trips on an average weekday (two-way, 24-hour volume), with 6 vehicle trips expected during the weekday morning peak hour and 7 vehicle trips expected during the weekday evening peak hour;
2. The Project will not result in a significant impact (increase) on motorist delays or vehicle queuing over existing conditions, with Project-related impacts defined as an increase in peak-hour traffic along State Road of approximately four (4) vehicles and on Lambert's Cove Road to the north of the Project site of approximately three (3) vehicles, or one additional vehicle every 15 to 20 minutes during the peak hours;
3. Based on a review of motor vehicle crash data provided by MassDOT, the State Road/Lambert's Cove intersection experienced two (2) crashes over the most recent 5-year review period, or less than one (1) crash per year; and
4. Lines of sight at the Project site driveway intersection with Lambert's Cove Road can be made to meet or exceed the recommended minimum distances for the intersection to operate in a safe and efficient manner.

In consideration of the above, we have concluded that the Project can be accommodated within the confines of the existing transportation infrastructure in a safe and efficient manner with the implementation of the recommendations that follow.

RECOMMENDATIONS

A detailed transportation improvement program has been developed that is designed to provide safe and efficient access to the Project site and address any deficiencies identified as a part of this assessment. The following improvements have been recommended as a part of this evaluation and, where applicable, will be completed in conjunction with the Project subject to receipt of all necessary rights, permits, and approvals.

Project Access

Access to the Project site will be provided by way of a new driveway that will intersect the east side of Lambert's Cove Road approximately 275 feet north of State Road. The following recommendations are offered with respect to the design and operation of the Project site access and internal circulation, many of which are reflected on the site plan:

⁹Institute of Transportation Engineers, op. cit. 1.



- The Project site driveway should be a minimum of 20 feet in width and designed to accommodate the turning and maneuvering requirements of the largest anticipated responding emergency vehicle.
- Where perpendicular parking is proposed, the drive aisle behind the parking should be a minimum of 23 feet in order to facilitate parking maneuvers.
- Vehicles exiting the Project site should be placed under STOP-sign control.
- All signs and pavement markings to be installed within the Project site should conform to the applicable standards of the *Manual on Uniform Traffic Control Devices (MUTCD)*.¹⁰
- Signs and landscaping to be installed as a part of the Project within the intersection sight triangle areas should be designed and maintained so as not to restrict lines of sight.
- Existing trees and vegetation located within the sight triangle areas of the Project site driveway along the east side of Lambert’s Cove Road should be selectively trimmed or removed and maintained in order to provide the required lines of sight for motorists exiting the driveway.
- Snow accumulations (windrows) within sight triangle areas should be promptly removed where such accumulations would impede sightlines.

Transportation Demand Management

In an effort to encourage the use of alternative modes of transportation to single-occupant vehicles (SOVs), the following Transportation Demand Management (TDM) measures should be implemented as part of the Project:

- A transportation coordinator should be designated by the property manager to coordinate the TDM program;
- Information regarding public transportation services, maps, schedules, and fare information should be posted in a central location and/or otherwise made available;
- A “welcome packet” should be provided to new residents detailing available public transportation services, bicycle and walking alternatives, and other commuting options;
- Secure bicycle parking should be provided at an appropriate location within the Project site.

In addition, the VTA should be contacted to discuss establishing a bus stop at the Project site. The Project does include a sidewalk connection to State Road for such a purpose.

With implementation of the aforementioned recommendations, safe and efficient access will be provided to the Project site and the Project can be accommodated within the confines of the existing transportation system.

cc: File

¹⁰*Manual on Uniform Traffic Control Devices (MUTCD)*; Federal Highway Administration; Washington, D.C.; 2009.

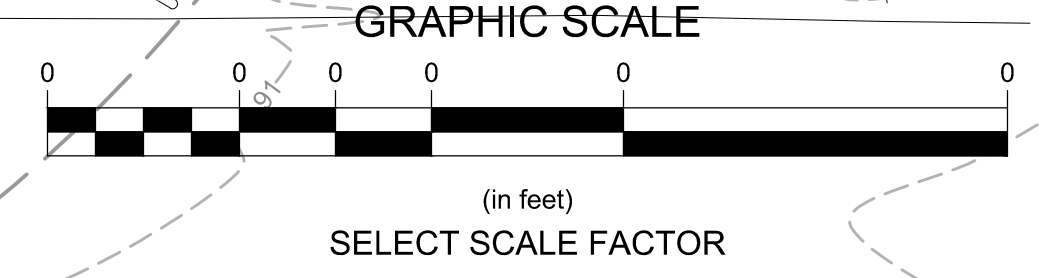
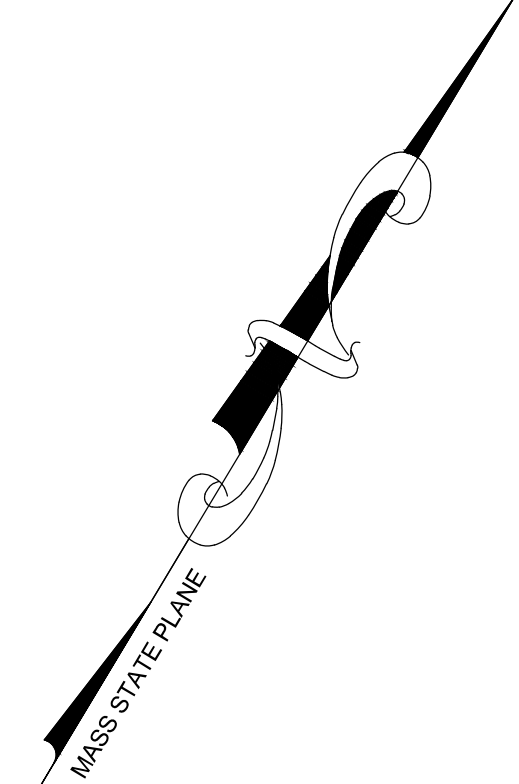


ATTACHMENTS

SITE PLAN
AUTOMATIC TRAFFIC RECORDER COUNTS
SEASONAL ADJUSTMENT DATA
PUBLIC TRANSPORTATION SCHEDULES
MASSDOT HSIP MAPPING
TRIP-GENERATION CALCULATIONS

SITE PLAN

last modified: 08/10/23 printed: 08/10/23 by jk H:\Projects\2023\23063 State Road Housing West Tisbury\Drawings\23063 GD.dwg



Revisions	Rev	Date	By	Appr	Description

Horsley Witten Group, Inc.
 Sustainable Environmental Solutions
 80 Route 6A
 Sandwich, MA 02563
 508-833-6600 voice
 508-833-3150 fax

Town: AUGUST 2023
 Design: By: _____
 Drawn: By: _____
 Checked: By: _____

Plan Set:
**401 STATE STREET
 HOUSING DEVELOPMENT
 WEST TISBURY, MASSACHUSETTS**

Plan Title:
GRADING PLAN

Prepared For:
TOWN of *****
 ***** Street
 Town Name, MA
 Phone: (508) *****
 Fax: *****

Survey Provided By:
Feldman Geospatial
 152 Hampden Street
 Boston, MA 02119
 Phone: (617) 357-9740
 Fax: *****
 Dated: APRIL 2022

Registration:

**DRAFT
 NOT FOR
 CONSTRUCTION**

Project Number: 23063 Sheet: 5 of 1
 Sheet Number: C-5

AUTOMATIC TRAFFIC RECORDER COUNTS

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: Lambert's Cove Road (upper end) north of State Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.424282
 Longitude: -70.665129

5/29/2023	5/29/2023		5/30/2023		5/31/2023		6/1/2023		6/2/2023		Weekday Average		6/3/2023		6/4/2023	
Time	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified
12:00 AM	*	*	*	*	*	*	0	0	3	6	2	3	2	4	5	2
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2:00	*	*	*	*	*	*	1	1	1	1	1	1	1	2	0	1
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12:00 PM	*	*	*	*	15	22	87	90	76	94	59	69	61	64	39	36
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3:00	*	*	*	*	82	83	99	96	89	88	90	89	52	35	36	43
4:00	*	*	*	*	81	69	99	76	82	63	87	69	37	44	40	34
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6:00	*	*	*	*	40	50	43	44	39	53	41	49	21	33	18	20
7:00	*	*	*	*	34	30	38	36	23	25	32	30	19	13	8	8
8:00	*	*	*	*	16	25	19	20	17	19	17	21	9	20	7	15
9:00	*	*	*	*	7	11	8	9	17	23	11	14	7	10	1	6
10:00	*	*	*	*	4	5	4	9	9	3	6	6	10	8	2	0
11:00	*	*	*	*	2	2	2	1	5	10	3	4	4	4	3	3
Total Day	0	0	0	0	479	505	1062	1023	1064	1024	1014	977	660	649	487	441
AM Peak Volume					984		2085		2088		1991		1309		928	
PM Peak Volume					3:00	3:00	3:00	3:00	2:00	2:00	3:00	2:00	12:00 PM	12:00 PM	1:00	3:00

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: Lambert's Cove Road (upper end) north of State Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.424282
 Longitude: -70.665129

6/5/2023	6/5/2023		6/6/2023		6/7/2023		6/8/2023		6/9/2023		Weekday Average		6/10/2023		6/11/2023		
Time	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	
12:00 AM	1	0	1	1	2	1	1	1	1	0	6	1	2	2	6	1	4
1:00	0	1	0	0	1	1	0	1	0	1	0	1	0	1	3	1	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
3:00	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1
4:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	1	2
5:00	0	3	3	3	3	2	2	1	2	2	2	2	2	1	0	3	0
6:00	13	12	13	23	16	15	13	14	17	17	14	16	10	6	7	3	
7:00	58	44	82	56	80	67	70	60	70	79	72	61	28	31	16	9	
8:00	85	89	79	72	87	72	98	81	88	73	87	77	69	51	41	30	
9:00	74	62	97	84	74	68	97	77	92	62	87	71	84	61	77	49	
10:00	62	54	78	76	91	74	78	64	89	72	80	68	92	78	65	55	
11:00	83	69	85	82	79	96	83	94	87	99	83	88	72	112	56	78	
12:00 PM	87	78	101	101	104	87	92	88	73	86	91	88	73	82	49	73	
1:00	84	74	80	89	67	83	76	91	82	67	78	81	59	69	69	66	
2:00	80	93	100	87	85	87	99	88	90	92	91	89	62	61	60	44	
3:00	83	98	77	89	77	90	74	107	87	94	80	96	61	80	56	54	
4:00	68	61	78	63	73	69	96	72	66	65	76	66	70	39	57	39	
5:00	50	57	64	56	47	60	86	81	57	56	61	62	42	48	47	54	
6:00	29	32	29	33	27	38	46	43	40	43	34	38	29	35	27	23	
7:00	16	20	14	13	19	21	31	28	35	29	23	22	27	26	22	26	
8:00	12	17	8	14	22	24	25	27	21	16	18	20	21	31	18	25	
9:00	5	9	6	8	9	9	4	18	13	13	7	11	15	20	15	17	
10:00	1	5	2	1	2	10	6	7	10	12	4	7	6	5	8	6	
11:00	0	3	0	2	1	3	4	5	1	1	1	3	6	6	1	2	
Total	891	881	998	954	967	977	1082	1048	1020	986	990	969	834	851	697	661	
Day	1772		1952		1944		2130		2006		1959		1685		1358		
AM Peak	8:00	8:00	9:00	9:00	10:00	11:00	8:00	11:00	9:00	11:00	8:00	11:00	10:00	11:00	9:00	11:00	
Volume	85	89	97	84	91	96	98	94	92	99	87	88	92	112	77	78	
PM Peak	12:00 PM	3:00	12:00 PM	12:00 PM	12:00 PM	3:00	2:00	3:00	2:00	3:00	12:00 PM	3:00	12:00 PM	12:00 PM	1:00	12:00 PM	
Volume	87	98	101	101	104	90	99	107	90	94	91	96	73	82	69	73	

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: Lambert's Cove Road (upper end) north of State Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.424282
 Longitude: -70.665129

6/12/2023	6/12/2023		6/13/2023		6/14/2023		6/15/2023		6/16/2023		Weekday Average		6/17/2023		6/18/2023	
Time	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified	South, None Specified	North, None Specified
12:00 AM	0	1	*	*	*	*	*	*	*	*	0	1	*	*	*	*
1:00	0	1	*	*	*	*	*	*	*	*	0	1	*	*	*	*
2:00	0	0	*	*	*	*	*	*	*	*	0	0	*	*	*	*
3:00	0	0	*	*	*	*	*	*	*	*	0	0	*	*	*	*
4:00	1	0	*	*	*	*	*	*	*	*	1	0	*	*	*	*
5:00	3	5	*	*	*	*	*	*	*	*	3	5	*	*	*	*
6:00	13	12	*	*	*	*	*	*	*	*	13	12	*	*	*	*
7:00	62	56	*	*	*	*	*	*	*	*	62	56	*	*	*	*
8:00	90	86	*	*	*	*	*	*	*	*	90	86	*	*	*	*
9:00	82	68	*	*	*	*	*	*	*	*	82	68	*	*	*	*
10:00	96	79	*	*	*	*	*	*	*	*	96	79	*	*	*	*
11:00	5	8	*	*	*	*	*	*	*	*	5	8	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Day	352	316	0	0	0	0	0	0	0	0	352	316	0	0	0	0
AM Peak Volume	10:00 96	8:00 86									10:00 96	8:00 86				
PM Peak Volume																
Comb Total ADT	2440	ADT: 1,608	1952	AADT: 1,608	2928		4215		4094		4618		2994		2286	

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road east of Lambert's Cove Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.422181
 Longitude: -70.661055

5/29/2023	5/29/2023		5/30/2023		5/31/2023		6/1/2023		6/2/2023		Weekday Average		6/3/2023		6/4/2023	
Time	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None
	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified
12:00 AM	*	*	*	*	*	*	5	6	7	4	6	5	7	12	13	10
1:00	*	*	*	*	*	*	0	4	4	4	2	4	12	9	12	9
2:00	*	*	*	*	*	*	2	3	1	1	2	2	5	2	1	2
3:00	*	*	*	*	*	*	1	1	1	1	1	1	2	0	3	2
4:00	*	*	*	*	*	*	6	11	1	8	4	10	4	6	1	3
5:00	*	*	*	*	*	*	13	20	13	15	13	18	8	16	3	7
6:00	*	*	*	*	*	*	102	71	84	60	93	66	39	56	19	31
7:00	*	*	*	*	*	*	273	171	282	151	278	161	119	86	44	50
8:00	*	*	*	*	*	*	304	237	324	258	314	248	166	135	102	93
9:00	*	*	*	*	*	*	251	214	230	207	240	210	201	191	130	131
10:00	*	*	*	*	*	*	220	207	240	230	230	218	260	239	159	137
11:00	*	*	*	*	153	155	216	213	242	255	204	208	262	300	191	222
12:00 PM	*	*	*	*	252	250	238	257	222	227	237	245	239	253	171	183
1:00	*	*	*	*	226	224	215	249	248	239	230	237	187	236	218	179
2:00	*	*	*	*	279	248	274	253	272	259	275	253	220	221	140	172
3:00	*	*	*	*	272	341	278	350	223	349	258	347	178	195	109	206
4:00	*	*	*	*	224	327	228	287	148	282	200	299	165	179	106	147
5:00	*	*	*	*	175	274	181	229	162	247	173	250	132	129	118	107
6:00	*	*	*	*	155	199	141	183	126	197	141	193	93	116	85	89
7:00	*	*	*	*	103	138	138	132	104	117	115	129	86	85	80	46
8:00	*	*	*	*	90	85	85	104	79	76	85	88	68	44	53	47
9:00	*	*	*	*	67	37	41	46	83	62	64	48	56	38	47	17
10:00	*	*	*	*	24	16	31	20	43	22	33	19	21	25	11	15
11:00	*	*	*	*	13	13	5	9	21	19	13	14	23	24	6	10
Total	0	0	0	0	2033	2307	3248	3277	3160	3290	3211	3273	2553	2597	1822	1915
Day	0		0		4340		6525		6450		6484		5150		3737	
AM Peak					11:00	11:00	8:00	8:00	8:00	8:00	8:00	8:00	11:00	11:00	11:00	11:00
Volume					153	155	304	237	324	258	314	248	262	300	191	222
PM Peak					2:00	3:00	3:00	3:00	2:00	3:00	2:00	3:00	12:00 PM	12:00 PM	1:00	3:00
Volume					279	341	278	350	272	349	275	347	239	253	218	206

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road east of Lambert's Cove Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.422181
 Longitude: -70.661055

6/5/2023	6/5/2023		6/6/2023		6/7/2023		6/8/2023		6/9/2023		Weekday Average		6/10/2023		6/11/2023	
Time	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None
	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified
12:00 AM	3	4	4	7	5	5	6	5	7	5	5	5	12	6	6	12
1:00	1	1	2	3	1	2	0	2	1	3	1	2	9	6	15	10
2:00	0	0	0	2	0	2	1	2	0	0	0	1	2	3	7	1
3:00	0	0	2	0	1	0	0	0	1	1	1	0	3	1	3	3
4:00	3	8	5	6	5	10	6	10	4	6	5	8	4	6	6	6
5:00	11	19	15	23	14	20	14	29	11	26	13	23	14	17	7	11
6:00	81	61	95	62	86	64	74	75	86	65	84	65	49	52	33	29
7:00	275	141	301	171	278	156	303	149	321	140	296	151	154	88	81	64
8:00	336	229	356	238	325	228	301	237	326	241	329	235	213	176	130	122
9:00	210	210	235	216	224	219	230	218	238	230	227	219	277	201	183	164
10:00	223	230	279	263	255	234	212	211	244	233	243	234	311	302	192	176
11:00	226	233	255	258	228	246	223	229	263	281	239	249	331	355	179	209
12:00 PM	250	261	255	273	225	251	221	235	249	249	240	254	237	336	191	187
1:00	249	227	255	246	232	277	246	227	256	282	248	252	229	264	194	164
2:00	236	251	273	287	283	239	240	264	278	263	262	261	226	255	143	163
3:00	237	303	285	353	263	324	280	303	259	339	265	324	220	230	159	181
4:00	221	273	242	321	214	325	213	292	213	308	221	304	165	242	128	184
5:00	188	256	185	265	197	268	203	285	182	244	191	264	159	135	111	152
6:00	134	155	118	195	116	191	136	199	121	173	125	183	111	125	117	105
7:00	111	97	80	76	92	118	119	115	96	141	100	109	107	88	106	71
8:00	68	103	57	45	89	81	92	105	97	74	81	82	65	116	58	92
9:00	45	34	49	29	60	29	67	48	91	69	62	42	63	69	60	49
10:00	12	10	22	15	26	19	32	21	47	39	28	21	30	44	17	18
11:00	9	5	8	5	11	5	18	9	14	13	12	7	26	34	14	7
Total	3129	3111	3378	3359	3230	3313	3237	3270	3405	3425	3278	3295	3017	3151	2140	2180
Day	6240		6737		6543		6507		6830		6573		6168		4320	
AM Peak	8:00	11:00	8:00	10:00	8:00	11:00	7:00	8:00	8:00	11:00	8:00	11:00	11:00	11:00	10:00	11:00
Volume	336	233	356	263	325	246	303	237	326	281	329	249	331	355	192	209
PM Peak	12:00 PM	3:00	3:00	3:00	2:00	4:00	3:00	3:00	2:00	3:00	3:00	3:00	12:00 PM	12:00 PM	1:00	12:00 PM
Volume	250	303	285	353	283	325	280	303	278	339	265	324	237	336	194	187

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road east of Lambert's Cove Road
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:
 Comment 4:
 Latitude: 41.422181
 Longitude: -70.661055

6/12/2023	6/12/2023		6/13/2023		6/14/2023		6/15/2023		6/16/2023		Weekday Average		6/17/2023		6/18/2023	
Time	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None	West, None	East, None
	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified	Specified
12:00 AM	3	7	*	*	*	*	*	*	*	*	3	7	*	*	*	*
1:00	1	4	*	*	*	*	*	*	*	*	1	4	*	*	*	*
2:00	0	1	*	*	*	*	*	*	*	*	0	1	*	*	*	*
3:00	0	1	*	*	*	*	*	*	*	*	0	1	*	*	*	*
4:00	3	6	*	*	*	*	*	*	*	*	3	6	*	*	*	*
5:00	16	23	*	*	*	*	*	*	*	*	16	23	*	*	*	*
6:00	68	52	*	*	*	*	*	*	*	*	68	52	*	*	*	*
7:00	286	146	*	*	*	*	*	*	*	*	286	146	*	*	*	*
8:00	314	249	*	*	*	*	*	*	*	*	314	249	*	*	*	*
9:00	237	190	*	*	*	*	*	*	*	*	237	190	*	*	*	*
10:00	58	50	*	*	*	*	*	*	*	*	58	50	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Day	986	729	0	0	0	0	0	0	0	0	986	729	0	0	0	0
	1715		0		0		0		0		1715		0		0	
AM Peak Volume	8:00 314	8:00 249									8:00 314	8:00 249				
PM Peak Volume																
Comb Total ADT	7955		6737		10883		13032		13280		14772		11318		8057	
	ADT: 5,482		AADT: 5,482													

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road west of Lambert's Cove Road (at Vineyard Gardens Landscaping)
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:

Comment 4:
 Latitude: 41.416812
 Longitude: -70.667055

5/29/2023	5/29/2023		5/30/2023		5/31/2023		6/1/2023		6/2/2023		Weekday Average		6/3/2023		6/4/2023	
Time	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified
12:00 AM	*	*	*	*	*	*	3	4	2	5	2	4	4	13	13	9
1:00	*	*	*	*	*	*	1	4	5	4	3	4	9	11	8	9
2:00	*	*	*	*	*	*	3	3	2	1	2	2	5	3	1	3
3:00	*	*	*	*	*	*	1	2	1	2	1	2	3	1	2	3
4:00	*	*	*	*	*	*	5	9	1	6	3	8	1	7	1	3
5:00	*	*	*	*	*	*	9	15	12	14	10	14	8	13	4	7
6:00	*	*	*	*	*	*	65	63	50	57	58	60	38	50	14	26
7:00	*	*	*	*	*	*	253	173	262	171	258	172	106	85	42	50
8:00	*	*	*	*	*	*	305	260	332	270	318	265	167	137	100	90
9:00	*	*	*	*	*	*	278	239	260	232	269	236	226	210	145	114
10:00	*	*	*	*	*	*	262	229	274	259	268	244	263	268	171	144
11:00	*	*	*	*	50	34	255	277	292	299	199	203	310	354	194	218
12:00 PM	*	*	*	*	308	282	298	331	275	297	294	303	290	282	154	198
1:00	*	*	*	*	265	258	271	284	296	303	277	282	238	244	182	209
2:00	*	*	*	*	257	270	276	288	276	283	270	280	236	230	141	167
3:00	*	*	*	*	305	296	296	308	277	331	293	312	217	230	138	135
4:00	*	*	*	*	262	332	295	301	223	300	260	311	174	185	106	117
5:00	*	*	*	*	219	269	209	237	191	263	206	256	148	171	111	98
6:00	*	*	*	*	146	181	143	158	145	171	145	170	93	107	77	84
7:00	*	*	*	*	102	124	112	116	108	122	107	121	92	62	65	43
8:00	*	*	*	*	74	83	72	87	66	72	71	81	60	43	43	43
9:00	*	*	*	*	62	42	33	53	66	57	54	51	48	39	40	20
10:00	*	*	*	*	20	19	27	23	48	23	32	22	18	24	7	16
11:00	*	*	*	*	12	10	6	6	20	25	13	14	17	20	9	11
Total Day	0	0	0	0	2082	2200	3478	3470	3484	3567	3413	3417	2771	2789	1768	1817
AM Peak Volume					50	34	305	277	332	299	318	265	310	354	194	218
PM Peak Volume					308	332	298	331	296	331	294	312	290	282	182	209

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road west of Lambert's Cove Road (at Vineyard Gardens Landscaping)
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:

Comment 4:
 Latitude: 41.416812
 Longitude: -70.667055

6/5/2023 Time	6/5/2023		6/6/2023		6/7/2023		6/8/2023		6/9/2023		Weekday Average		6/10/2023		6/11/2023	
	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified
12:00 AM	4	4	4	6	4	4	5	4	2	8	4	5	6	4	6	14
1:00	1	2	1	2	1	2	0	2	0	3	1	2	6	6	10	9
2:00	0	0	0	2	0	2	0	2	0	0	0	1	1	3	3	1
3:00	0	0	0	0	1	0	1	0	0	1	0	0	2	1	2	3
4:00	2	5	4	4	5	8	5	9	4	5	4	6	8	6	2	5
5:00	7	17	13	17	13	15	12	26	11	24	11	20	12	15	10	9
6:00	58	62	54	68	48	66	54	73	68	64	56	67	45	53	29	25
7:00	239	153	297	182	248	143	271	157	274	163	266	160	131	99	73	61
8:00	312	258	331	250	316	233	290	236	328	242	315	244	239	181	127	106
9:00	230	240	272	276	250	229	264	253	263	236	256	247	302	225	203	162
10:00	246	251	303	299	247	232	243	244	280	276	264	260	355	354	219	185
11:00	278	263	290	299	247	294	265	270	297	338	275	293	369	440	189	230
12:00 PM	292	310	325	335	279	291	298	294	319	314	303	309	305	381	188	221
1:00	290	257	301	293	286	320	293	285	287	310	291	293	233	274	211	187
2:00	250	293	289	324	281	268	259	298	288	296	273	296	259	279	157	161
3:00	274	304	318	337	309	321	305	307	319	360	305	326	242	275	148	182
4:00	256	273	279	320	260	329	297	298	261	301	271	304	210	242	149	175
5:00	197	248	198	239	225	252	245	294	200	240	213	255	172	147	105	154
6:00	135	147	131	187	116	183	135	167	129	163	129	169	112	121	107	94
7:00	93	88	69	74	87	100	109	114	105	137	93	103	99	85	95	73
8:00	61	78	46	43	77	87	81	97	89	69	71	75	61	125	50	85
9:00	37	33	40	27	54	30	51	50	85	65	53	41	53	69	59	57
10:00	12	13	21	14	20	26	29	25	45	43	25	24	30	45	17	18
11:00	5	6	7	5	5	4	11	4	10	13	8	6	27	35	13	7
Total	3279	3305	3593	3603	3379	3439	3523	3509	3664	3671	3487	3506	3279	3465	2172	2224
Day	6584		7196		6818		7032		7335		6993		6744		4396	
AM Peak	8:00	11:00	8:00	10:00	8:00	11:00	8:00	11:00	8:00	11:00	8:00	11:00	11:00	11:00	10:00	11:00
Volume	312	263	331	299	316	294	290	270	328	338	315	293	369	440	219	230
PM Peak	12:00 PM	12:00 PM	12:00 PM	3:00	3:00	4:00	3:00	3:00	12:00 PM	3:00	3:00	3:00	12:00 PM	12:00 PM	1:00	12:00 PM
Volume	292	310	325	337	309	329	305	307	319	360	305	326	305	381	211	221

Default Report Title
 Use Preferences to Define Titles

Site Code:
 Station ID:
 Location 1: State Road west of Lambert's Cove Road (at Vineyard
 Gardens Landscaping)
 Location 2: West Tisbury, MA
 Location 3: May 31 - June 12, 2023
 Location 4:

Comment 1:
 Comment 2:
 Comment 3:

Comment 4:
 Latitude: 41.416812
 Longitude: -70.667055

6/12/2023 Time	6/12/2023		6/13/2023		6/14/2023		6/15/2023		6/16/2023		Weekday Average		6/17/2023		6/18/2023		
	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	West, None Specified	East, None Specified	
12:00 AM	3	7	*	*	*	*	*	*	*	*	*	3	7	*	*	*	*
1:00	0	5	*	*	*	*	*	*	*	*	*	0	5	*	*	*	*
2:00	0	0	*	*	*	*	*	*	*	*	*	0	0	*	*	*	*
3:00	0	1	*	*	*	*	*	*	*	*	*	0	1	*	*	*	*
4:00	4	4	*	*	*	*	*	*	*	*	*	4	4	*	*	*	*
5:00	13	21	*	*	*	*	*	*	*	*	*	13	21	*	*	*	*
6:00	49	57	*	*	*	*	*	*	*	*	*	49	57	*	*	*	*
7:00	264	169	*	*	*	*	*	*	*	*	*	264	169	*	*	*	*
8:00	316	274	*	*	*	*	*	*	*	*	*	316	274	*	*	*	*
9:00	249	227	*	*	*	*	*	*	*	*	*	249	227	*	*	*	*
10:00	136	119	*	*	*	*	*	*	*	*	*	136	119	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	1034	884	0	0	0	0	0	0	0	0	0	1034	884	0	0	0	0
Day	1918		0		0		0		0			1918		0		0	
AM Peak	8:00	8:00										8:00	8:00				
Volume	316	274										316	274				
PM Peak																	
Volume																	
Comb Total	8502		7196		11100		13980		14386		15741		12304		7981		
ADT	ADT: 5,804		AADT: 5,804														

SEASONAL ADJUSTMENT DATA



Table 5: Monthly Adjustment Factors for Cape Cod

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2011*	1.26	1.25	1.20	1.06	0.96	0.89	0.76	0.76	0.92	0.99	1.08	1.14
2010	1.26	1.25	1.19	1.08	0.95	0.88	0.77	0.76	0.93	1.00	1.08	1.15
2009	1.26	1.25	1.19	1.08	0.95	0.88	0.77	0.76	0.93	1.00	1.08	1.15
2008	1.21	1.25	1.19	1.08	0.96	0.89	0.78	0.76	0.93	1.00	1.07	1.14
2007	1.25	1.21	1.17	1.06	0.96	0.86	0.78	0.79	0.93	1.00	1.08	1.14
2006	1.26	1.20	1.18	1.04	0.96	0.86	0.78	0.79	0.93	0.99	1.07	1.12
2005	1.27	1.23	1.18	1.06	0.96	0.85	0.77	0.78	0.93	0.99	1.08	1.15
2004	1.27	1.23	1.18	1.06	0.96	0.85	0.77	0.78	0.93	0.99	1.08	1.15
2003	1.29	1.23	1.16	1.06	0.99	0.87	0.79	0.77	0.95	0.99	1.07	1.14
2002	1.30	1.24	1.16	1.06	0.98	0.86	0.79	0.78	0.93	0.97	1.08	1.14
2001	1.34	1.27	1.18	1.06	0.97	0.86	0.78	0.78	0.94	0.97	1.08	1.13
2000	1.37	1.28	1.20	1.07	0.96	0.87	0.77	0.78	0.93	0.97	1.09	1.14
1999	1.37	1.29	1.23	1.09	0.96	0.87	0.76	0.77	0.94	0.99	1.10	1.15
1998	1.39	1.27	1.23	1.11	0.95	0.87	0.76	0.76	0.93	0.99	1.10	1.16
1997	1.38	1.29	1.22	1.10	0.96	0.86	0.76	0.75	0.92	0.99	1.10	1.19
1996	1.41	1.30	1.22	1.07	0.96	0.86	0.75	0.75	0.91	0.99	1.10	1.19
1995	1.36	1.33	1.24	1.07	0.97	0.86	0.75	0.75	0.90	0.99	1.10	1.19
1994	1.35	1.31	1.25	1.06	0.93	0.86	0.73	0.74	0.89	0.97	1.09	1.15
1993	1.35	1.30	1.24	1.07	0.92	0.85	0.75	0.75	0.90	0.99	1.10	1.17
1992	1.37	1.32	1.29	1.08	0.94	0.87	0.75	0.76	0.90	1.01	1.14	1.21
1991	1.39	1.30	1.22	1.08	0.94	0.87	0.76	0.77	0.95	1.02	1.12	1.20
1990	1.31	1.26	1.16	1.06	0.96	0.85	0.73	0.74	0.94	0.99	1.10	1.22
1989	1.37	1.38	1.25	1.13	0.99	0.89	0.72	0.73	0.94	1.03	1.15	1.17
1988	1.38	1.30	1.21	1.10	0.99	0.83	0.72	0.73	0.91	1.02	1.11	1.15
1987	1.40	1.39	1.23	1.10	0.94	0.85	0.71	0.73	0.96	1.02	1.18	1.25
1986	1.35	1.31	1.21	1.09	1.05	0.84	0.73	0.75	0.96	1.04	1.17	1.22
1985	1.31	1.26	1.17	1.07	0.96	0.92	0.84	0.83	0.97	0.97	1.14	1.16
1984	1.55	1.36	1.46	1.12	1.03	0.85	0.73	0.73	0.94	1.07	1.14	1.24
1983	1.53	1.51	1.30	1.15	0.98	0.82	0.65	0.66	0.87	1.07	1.23	1.30

Source: Massachusetts Highway Department / Mass DOT
 *2011 is the last year that MassDOT has supplied monthly adjustment factors

PUBLIC TRANSPORTATION SCHEDULES



#2

WEST TISBURY - VINEYARD HAVEN via OLD COUNTY RD. & LAMBERT'S COVE RD.

OCTOBER 1, 2023 - MAY 16, 2024

MV Transit Authority
508-693-9440
www.vineyardtransit.com

WEST TISBURY → VINEYARD HAVEN
via OLD COUNTY ROAD & LAMBERT'S COVE ROAD

	A.M.		P.M.			
	Note A	Note A	Daily	Daily	Daily	Daily
Depart WEST TISBURY TOWN HALL	6:37	8:17	10:17	12:17	2:17	4:17
ACROSS FROM WEST TISBURY SCHOOL	6:41	8:21	10:21	12:21	2:21	4:21
OAK LANE	6:43	8:23	10:23	12:23	2:23	4:23
WEST TISBURY BUSINESS DISTRICT	6:49	8:29	10:29	12:29	2:29	4:29
ACROSS FROM LAMBERT'S COVE BEACH	6:55	8:35	10:35	12:35	2:35	4:35
JOHN HOFT ROAD	6:59	8:39	10:39	12:39	2:39	4:39
TISBURY STATE RD. BUSINESS DISTRICT	7:05	8:45	10:45	12:45	2:45	4:45
Arrive VINEYARD HAVEN SSA TERMINAL	7:10	8:50	10:50	12:50	2:50	4:50
NEXT ROUTE # 1 TO EDGARTOWN	7:10	9:10	11:10	1:10	3:10	5:10
NEXT ROUTE # 10A TO WEST CHOP	→	8:55^{SB}	10:55^{SB}	12:55^{SB}	2:55^{SB}	4:55^{SB}
NEXT ROUTE # 13 TO OAK BLUFFS / EDGARTOWN	7:25	8:55	10:55	12:55	2:55	4:55

VINEYARD HAVEN → WEST TISBURY
via LAMBERT'S COVE ROAD & STATE ROAD

	A.M.		P.M.			
	Note A	Daily	Daily	Daily	Daily	Daily
Depart VH SSA TERMINAL	7:13	9:13	11:13	1:13	3:13	5:13
TISBURY STATE RD. BUSINESS DISTRICT	7:18	9:18	11:18	1:18	3:18	5:18
ACROSS FROM JOHN HOFT ROAD	7:23	9:23	11:23	1:23	3:23	5:23
LAMBERT'S COVE BEACH	7:28	9:28	11:28	1:28	3:28	5:28
WEST TISBURY BUSINESS DISTRICT	7:36	9:36	11:36	1:36	3:36	5:36
POLLY HILL ARBORETUM	7:38	9:38	11:38	1:38	3:38	5:38
Arrive WEST TISBURY TOWN HALL	7:41	9:41	11:41	1:41	3:41	5:41
NEXT ROUTE # 4 to MENEMSHA	7:43^{SB}	9:43^{SB}	11:43^{SB}	1:43^{SB}	3:43^{SB}	5:43^{SB}
NEXT ROUTE # 5 TO AQUINNAH	9:20	11:20	1:20	3:20	5:20	-
NEXT ROUTE # 6 TO EDGARTOWN	8:17	10:17	12:17	2:17	4:17	6:17

Note A: Trips that do not run on Sundays and holidays (1/1/24, 1/15/24, 2/19/24) from January 1 - March 31, 2024.

^{SB} "SB" indicates a "Same Bus" transfer between routes.

Note: No service on Thanksgiving and Christmas day.



#3

VINEYARD HAVEN - WEST TISBURY via STATE ROAD & OLD COUNTY ROAD

OCTOBER 1, 2023 - MAY 16, 2024

MV Transit Authority
508-693-9440
www.vineyardtransit.com

WEST TISBURY → VINEYARD HAVEN via STATE ROAD

	A.M.						P.M.
	Note A	Note A	Daily	Note A	Daily	Daily	Daily
<i>Depart</i> WEST TISBURY TOWN HALL	6:20	7:20	8:20	9:20	10:20	11:20	12:20
<i>Across from</i> POLLY HILL ARBORETUM	6:22	7:22	8:22	9:22	10:22	11:22	12:22
WEST TISBURY BUSINESS DISTRICT	6:26	7:26	8:26	9:26	10:26	11:26	12:26
STONEY HILL ROAD	6:30	7:30	8:30	9:30	10:30	11:30	12:30
TISBURY STATE RD. BUS. DIST.	6:36	7:36	8:36	9:36	10:36	11:36	12:36
<i>Arrive</i> VH SSA TERMINAL	6:40	7:40	8:40	9:40	10:40	11:40	12:40
NEXT ROUTE # 1 TO EDGARTOWN	6:40	7:40	8:40	9:40	10:40	11:40	12:40
NEXT ROUTE # 10A TO WEST CHOP	→	→	8:55	→	10:55	→	12:55
NEXT ROUTE # 13 TO OAK BLUFFS & EDG.	6:55	7:55	8:55	9:55	10:55	11:55	12:55

	P.M.					
	Daily	Daily	Daily	Daily	Daily	Daily
<i>Depart</i> WEST TISBURY TOWN HALL	1:20	2:20	3:20	4:20	5:20	6:20
<i>Across from</i> POLLY HILL ARBORETUM	1:22	2:22	3:22	4:22	5:22	6:22
WEST TISBURY BUSINESS DISTRICT	1:26	2:26	3:26	4:26	5:26	6:26
STONEY HILL ROAD	1:30	2:30	3:30	4:30	5:30	6:30
TISBURY STATE RD. BUS. DIST.	1:36	2:36	3:36	4:36	5:36	6:36
<i>Arrive</i> VH SSA TERMINAL	1:40	2:40	3:40	4:40	5:40	6:40
NEXT ROUTE # 1 TO EDGARTOWN	1:40	2:40	3:40	4:40	5:40	6:40
NEXT ROUTE # 10A TO WEST CHOP	→	2:55	→	4:55	-	-
NEXT ROUTE # 13 TO OAK BLUFFS & EDG.	1:55	2:55	3:55	4:55	5:55	6:55

VINEYARD HAVEN → WEST TISBURY via STATE ROAD and OLD COUNTY ROAD

	A.M.						P.M.
	Note A	Note A	Daily	Daily	Daily	Daily	Daily
<i>Depart</i> VH SSA TERMINAL	6:51	7:51	8:51	9:51	10:51	11:51	12:51
TISBURY STATE RD. BUS. DIST.	6:56	7:56	8:56	9:56	10:56	11:56	12:56
<i>Across from</i> STONEY HILL ROAD	7:00	8:00	9:00	10:00	11:00	12:00	13:00
<i>Depart</i> WT BUSINESS DISTRICT	7:08	8:08	9:08	10:08	11:08	12:08	1:08
<i>Across from</i> OAK LANE	7:11	8:11	9:11	10:11	11:11	12:11	1:11
WEST TISBURY SCHOOL	7:13	8:13	9:13	10:13	11:13	12:13	1:13
<i>Arrive</i> WEST TISBURY TOWN HALL	7:16	8:16	9:16	10:16	11:16	12:16	1:16
NEXT ROUTE # 4 TO MENEMSHA	7:43	→	9:43	→	11:43	→	1:43
NEXT ROUTE # 5 TO AQUINNAH	7:20^{SB}	→	9:20^{SB}	→	11:20^{SB}	→	1:20^{SB}
NEXT ROUTE # 6 TO EDGARTOWN	→	8:17^{SB}	→	10:17^{SB}	→	12:17^{SB}	→

	P.M.						SB: Same Bus Transfer
	Daily	Daily	Daily	Daily	Daily	Daily	
<i>Depart</i> VH SSA TERMINAL	1:51	2:51	3:51	4:51	5:51	6:51	
TISBURY STATE RD. BUS. DIST.	1:56	2:56	3:56	4:56	5:56	6:56	
<i>Across from</i> STONEY HILL ROAD	2:00	3:00	4:00	5:00	6:00	7:00	
<i>Depart</i> WT BUSINESS DISTRICT	2:08	3:08	4:08	5:08	6:08	7:08	
<i>Across from</i> OAK LANE	2:11	3:11	4:11	5:11	6:11	7:11	
WEST TISBURY SCHOOL	2:13	3:13	4:13	5:13	6:13	7:13	
<i>Arrive</i> WEST TISBURY TOWN HALL	2:16	3:16	4:16	5:16	6:16	7:16	
NEXT ROUTE # 4 TO MENEMSHA	→	3:43	→	5:43	-	-	
NEXT ROUTE # 5 TO AQUINNAH	→	3:20^{SB}	→	5:20^{SB}	-	-	
NEXT ROUTE # 6 TO EDGARTOWN	2:17^{SB}	→	4:17^{SB}	→	6:17^{SB}	7:17^{SB}	

Note A: Trips that do not run on Sundays and holidays (1/1/24, 1/15/24, 2/19/24) from January 1 - March 31, 2024.

Note: No service on Thanksgiving and Christmas day.



4

WEST TISBURY - CHILMARK - MENEMSHA via NORTH ROAD

OCTOBER 1, 2023 - MAY 16, 2024

MV Transit Authority
508-693-9440
www.vineyardtransit.com

CHILMARK → WEST TISBURY

	A.M.		P.M.			
	Note A	Daily	Daily	Daily	Daily	Daily
MENEMSHA BEACH	8:03	10:03	12:03	2:03	4:03	6:03
TABOR HOUSE ROAD	8:08	10:08	12:08	2:08	4:08	6:08
WASKOSIM'S ROCK RESERVATION	8:11	10:11	12:11	2:11	4:11	6:11
Arrive WEST TISBURY TOWN HALL	8:17	10:17	12:17	2:17	4:17	6:17
NEXT ROUTE # 2 TO VH via OC and LC Roads	8:17 ^{SB}	10:17 ^{SB}	12:17 ^{SB}	2:17 ^{SB}	4:17 ^{SB}	-
NEXT ROUTE # 3 TO VH via State Road	8:20	10:20	12:20	2:20	4:20	6:20
NEXT ROUTE # 5 TO AQUINNAH	9:20	11:20	1:20	3:20	5:20	-
NEXT ROUTE # 6 TO EDGARTOWN	8:17	10:17	12:17	2:17	4:17	6:17

WEST TISBURY → CHILMARK

	A.M.		P.M.			
	Note A	Daily	Daily	Daily	Daily	Daily
Depart WEST TISBURY TOWN HALL	7:43	9:43	11:43	1:43	3:43	5:43
STATE & NORTH ROAD INTERSECTION	7:47	9:47	11:47	1:47	3:47	5:47
Across from WASKOSIM'S ROCK	7:49	9:49	11:49	1:49	3:49	5:49
Across from TABOR HOUSE ROAD	7:51	9:51	11:51	1:51	3:51	5:51
CHILMARK COMMUNITY CENTER	7:58	9:58	11:58	1:58	3:58	5:58
Arrive MENEMSHA BEACH	8:03	10:03	12:03	2:03	4:03	6:03
NEXT ROUTE # 5 TO AQUINNAH (Departs Across Chilmark Community Center)	9:28	11:28	1:28	3:28	5:28	-

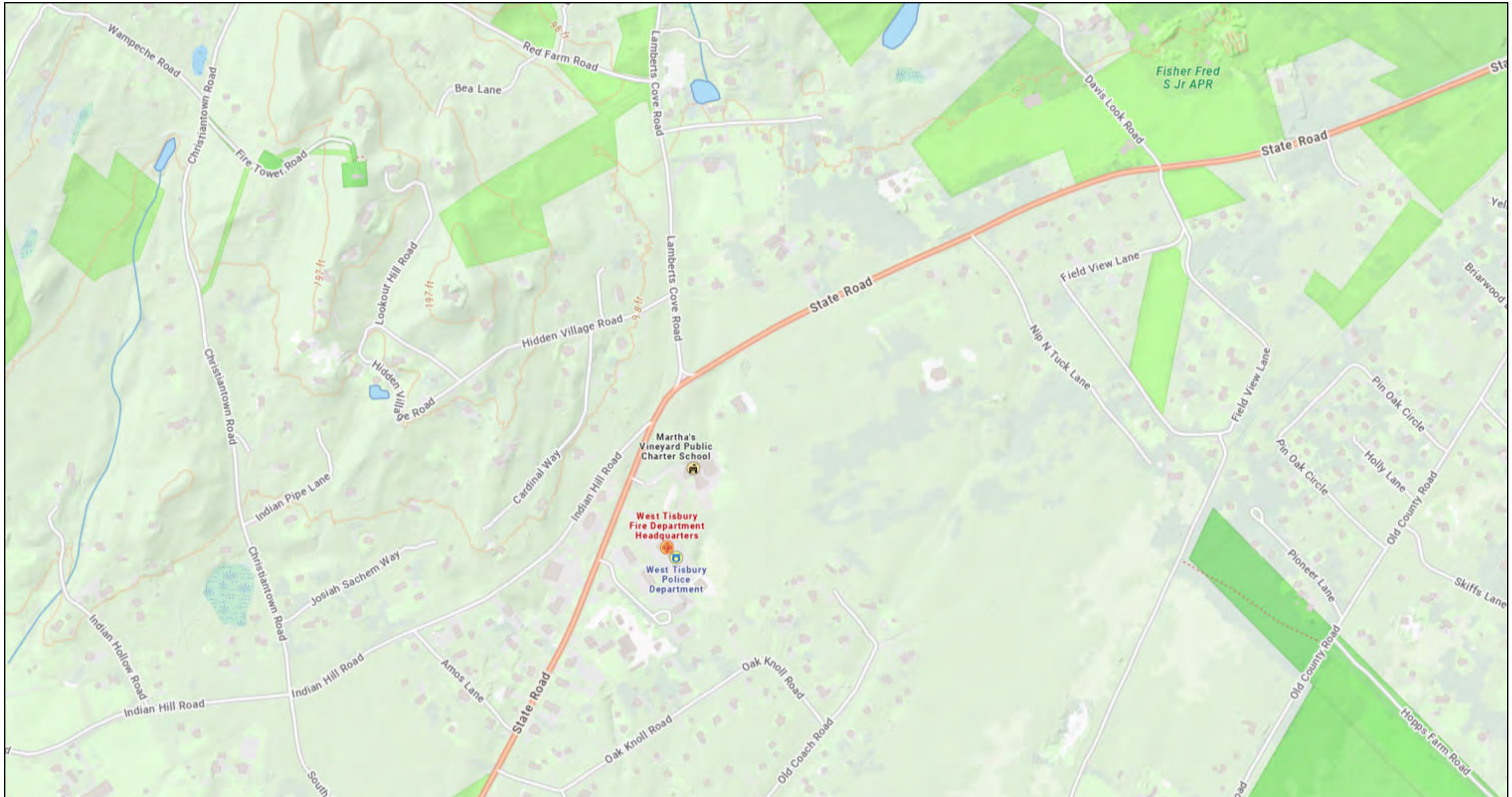
Note A: Trips that do not run on Sundays and holidays (1/1/24, 1/15/24, 2/19/24) from January 1 - March 31, 2024.

^{SB} "SB" indicates a "Same Bus" transfer between routes.

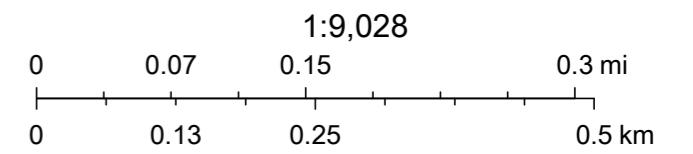
Note: No service on Thanksgiving and Christmas day.

MASSDOT HSIP MAPPING

MassDOT Top Crash Locations



10/5/2023, 5:03:23 PM



TRIP GENERATION CALCULATIONS

Graph Look Up



ITETripGen Web-based App

- Graph Look Up
- How to Use ITETripGen
- TGM Desk Reference
- TGM Appendices
- Support Documents
- Add Users
- Comments

- Add-ons to do more
- Try OTISS Pro

Query Filter

DATA SOURCE:
 Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:

LAND USE GROUP:
 (200-299) Residential

LAND USE :
 215 - Single-Family Attached Housing

LAND USE SUBCATEGORY:
 All Sites

SETTING/LOCATION:
 General Urban/Suburban

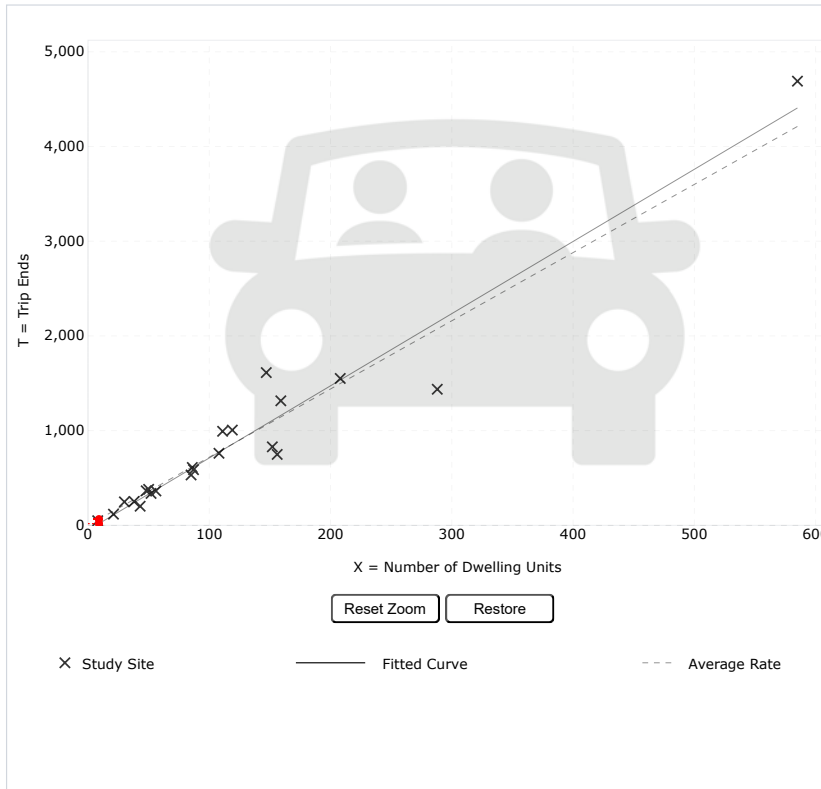
INDEPENDENT VARIABLE (IV):
 Dwelling Units

TIME PERIOD:
 Weekday

TRIP TYPE:
 Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
 Hover the mouse pointer on data points to view Y and T values

DATA STATISTICS

Land Use:
 Single-Family Attached Housing (215) [Click for Description and Data Plots](#)

Independent Variable:
 Dwelling Units

Time Period:
 Weekday

Setting/Location:
 General Urban/Suburban

Trip Type:
 Vehicle

Number of Studies:
 22

Avg. Num. of Dwelling Units:
 120

Average Rate:
 7.20

Range of Rates:
 4.70 - 10.97

Standard Deviation:
 1.61

Fitted Curve Equation:
 $T = 7.62(X) - 50.48$

R²:
 0.94

Directional Distribution:
 50% entering, 50% exiting

Calculated Trip Ends:
 Average Rate: 65 (Total), 32 (Entry), 33 (Exit)
 Fitted Curve: 18 (Total), 9 (Entry), 9 (Exit)



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Query Filter

DATA SOURCE:
 Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:

LAND USE GROUP:
 (200-299) Residential

LAND USE :
 215 - Single-Family Attached Housing

LAND USE SUBCATEGORY:
 All Sites

SETTING/LOCATION:
 General Urban/Suburban

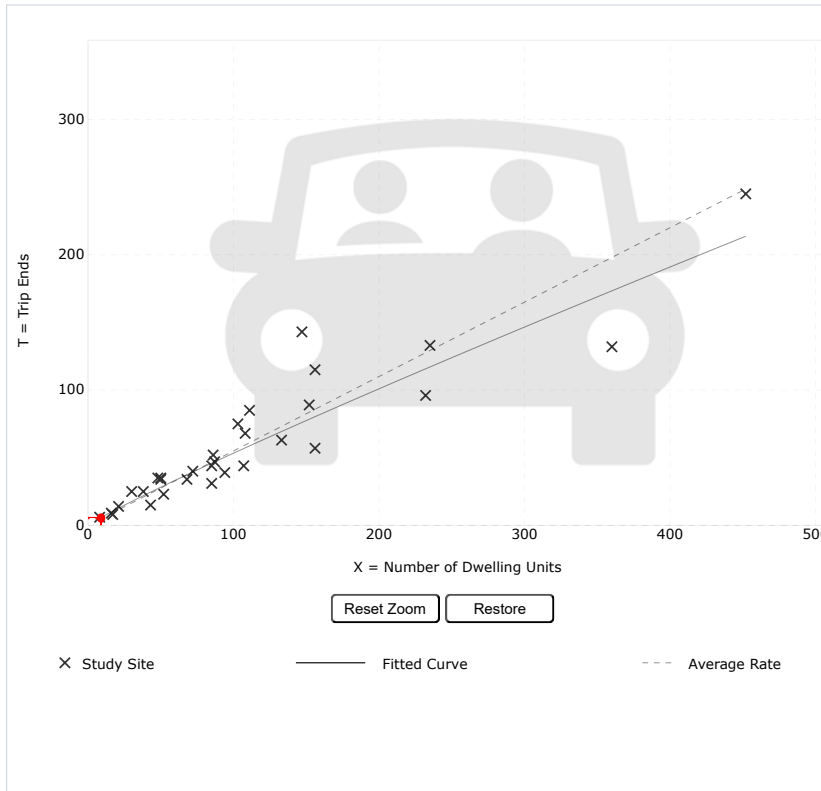
INDEPENDENT VARIABLE (IV):
 Dwelling Units

TIME PERIOD:
 Weekday, AM Peak Hour of Generator

TRIP TYPE:
 Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
 Hover the mouse pointer on data points to view Y and T values.

DATA STATISTICS

Land Use:
 Single-Family Attached Housing (215) [Click for Description and Data Plots](#)

Independent Variable:
 Dwelling Units

Time Period:
 Weekday
 AM Peak Hour of Generator

Setting/Location:
 General Urban/Suburban

Trip Type:
 Vehicle

Number of Studies:
 31

Avg. Num. of Dwelling Units:
 110

Average Rate:
 0.55

Range of Rates:
 0.35 - 0.97

Standard Deviation:
 0.16

Fitted Curve Equation:
 $\ln(T) = 0.92 \ln(X) - 0.26$

R²:
 0.91

Directional Distribution:
 25% entering, 75% exiting

Calculated Trip Ends:
 Average Rate: 5 (Total), 1 (Entry), 4 (Exit)
 Fitted Curve: 6 (Total), 1 (Entry), 5 (Exit)



Graph Look Up



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Query Filter

DATA SOURCE:
 Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:

LAND USE GROUP:
 (200-299) Residential

LAND USE :
 215 - Single-Family Attached Housing

LAND USE SUBCATEGORY:
 All Sites

SETTING/LOCATION:
 General Urban/Suburban

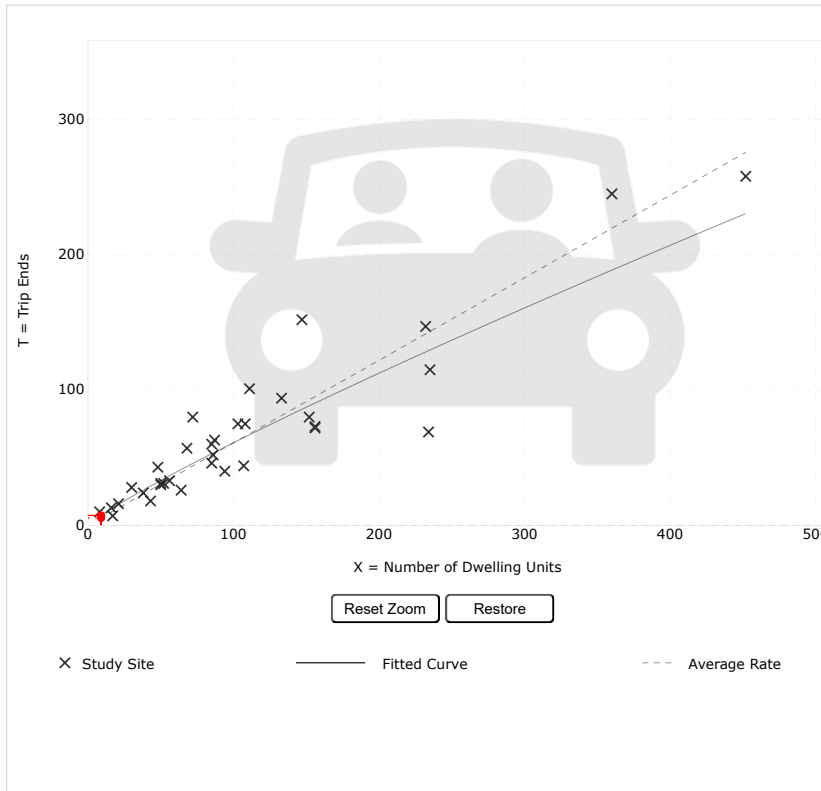
INDEPENDENT VARIABLE (IV):
 Dwelling Units

TIME PERIOD:
 Weekday, PM Peak Hour of Generator

TRIP TYPE:
 Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
 Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
 Single-Family Attached Housing (215) [Click for Description and Data Plots](#)

Independent Variable:
 Dwelling Units

Time Period:
 Weekday
 PM Peak Hour of Generator

Setting/Location:
 General Urban/Suburban

Trip Type:
 Vehicle

Number of Studies:
 34

Avg. Num. of Dwelling Units:
 110

Average Rate:
 0.61

Range of Rates:
 0.29 - 1.25

Standard Deviation:
 0.18

Fitted Curve Equation:
 $\ln(T) = 0.88 \ln(X) + 0.06$

R²:
 0.87

Directional Distribution:
 62% entering, 38% exiting

Calculated Trip Ends:
 Average Rate: 5 (Total), 3 (Entry), 2 (Exit)
 Fitted Curve: 7 (Total), 5 (Entry), 2 (Exit)

