

Hinesburg Road, Huntington Road, and Kenyon Road Speed Study

1. Introduction

The Town of Richmond requested the Chittenden County Regional Planning Commission (CCRPC) staff to investigate and evaluate the posted speed limits on Hinesburg Road, Huntington Road, and Kenyon Road. In order for a legislative body to determine a safe and reasonable speed on town highways, a traffic engineering investigation (speed study) is required by the Vermont Statutes Annotated Title 23, § 1007. This document provides supporting findings that were used to develop recommendations for establishing speed limits on Hinesburg Road, Huntington Road, and Kenyon Road.

2. Existing Conditions

Hinesburg Road

Hinesburg Road is a paved road classified by the state as a Class II Town Highway and functionally classified as a Major Collector. The study area for this road extends from the intersection of Huntington Road to the Hinesburg Townline. The CCRPC staff installed an Automatic Traffic Recorder (ATR) along Hinesburg Road at the location shown in Figure 1 to collect traffic volume and speed data. Data were collected between June 09, 2021 and June 17, 2021. Figure 1 shows the study area and ATR location.



Figure 1: Hinesburg Road and ATR Location

Windshield Survey

A windshield reconnaissance survey was conducted in both travel directions along Hinesburg Road by the team to identify safety related issues, roadway characteristics and roadside safety hazards. The following is a list of findings from the survey:

- 1. The study area section of the road is paved, and roadway width varies between 20 and 24 ft.
- 2. Very narrow asphalt/grass shoulders exist on both sides of travel lanes.
- 3. Shoulders are not marked along the road.
- 4. The posted speed limit is 45 mph.
- 5. The traffic at the intersection of Hinesburg Road, E Hill Road and Kenyon Road (Fays Corner) is controlled by STOP signs on E Hill Road (west approach) and Kenyon Road (north approach),

whereas Hinesburg Road has free movement for the northbound and westbound traffic. Traffic from the south and east approaches navigate a sharp 90-degree curve to continue to travel on Hinesburg Road.

- 6. A warning sharp curve sign supplemented with an advisory speed of 15 mph is posted on both south and east approaches.
- 7. Some driveways are obscured due to vegetation at some locations along the study area.
- 8. Significant embankment slope along an edge of the road at some locations in the study area.

Crash History

There were 46 crashes, including a fatal crash, reported in the last five years along Hinesburg Road. A crash report summary is attached in the Appendix. Most of the crashes were reported as single vehicle crashes with property damage only. Most common contributing circumstances for crashes were reported as distracted driving, driving too fast for conditions and failed to yield right of way. There are two high crash segments along Hinesburg Road: 1) at the intersection of Huntington Road and 2) south of Mansfield Way on a curve segment shown in the figure below.

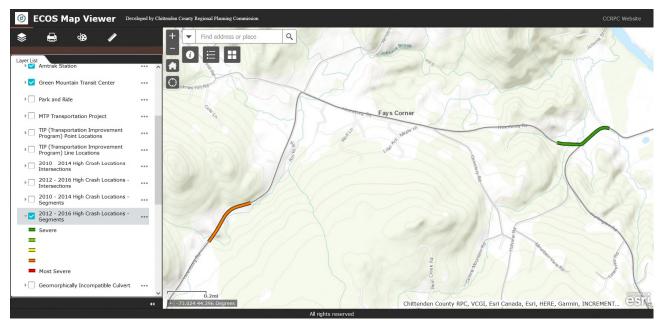


Figure 2: High Crash Segments along Hinesburg Road

Speed Data

Traffic volume and speed data (attached in the Appendix) were collected using an ATR on Hinesburg Road from 06/09/2021 to 06/17/2021. Table 1 below shows a summary of speed data for Hinesburg Road.

Speed Data	Eastbound	Westbound	Combined										
Average Speed	44 mph	45 mph	44 mph										
10 mph Pace Speed	40-49 mph	41-50 mph	41-50 mph										
85 th Percentile Speed	53 mph	53 mph	53 mph										

Table 1: Speed Data on Hinesburg Road

The 85th percentile speed for the eastbound and westbound directions was consistent at 53 mph, and therefore the combined 85th percentile speed associated with the traffic counts was 53 mph. The posted

speed limit is 45 mph. This indicates that a majority (85 percent) of drivers are driving at or below 53 mph (8 mph over the posted speed limit) along Hinesburg Road.

Huntington Road

Huntington Road is a paved road classified by the state as a Class II Town Highway and functionally classified as a Major Collector. The study area for this road extends from the intersection of Hinesburg Road to the Huntington Townline. The CCRPC staff installed an Automatic Traffic Recorder (ATR) along Huntington Road at the location shown in Figure 3 to collect traffic volume and speed data. Data were collected between July 14, 2021 and July 21, 2021. Figure 3 shows the study area and ATR location.

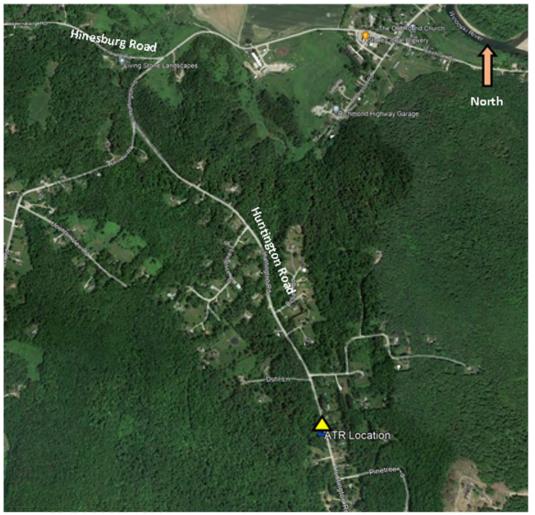


Figure 3: Huntington Road and ATR Location

Windshield Survey

A windshield reconnaissance survey was conducted in both travel directions along the study area by the team to identify safety related issues, roadway characteristics and roadside safety hazards. The following is a list of findings from the survey:

- 1. The study area of the road section is paved, and the roadway width varies between 24 and 30 ft.
- 2. Very narrow asphalt/grass shoulders exist on both sides of travel lanes.
- 3. Shoulders are not marked along the road.

- 4. The posted speed limit is 40 mph between Hinesburg Road and Besaw Rd., and 45 mph between Besaw Rd. and the Townline.
- 5. As per the observed posted speed limit signs, the speed limit is not consistent for northbound and southbound traffic between Besaw Rd., and Dutil Ln. In other words, for about 1,000 feet, the southbound speed limit is 45 mph while the northbound speed limit is 40 mph.
- 6. Chevron signs along Huntington Road at the lower Hillview Road curve are too short and provide inadequate visibility, especially for northbound motorists.
- 7. Some driveways are obscured due to vegetation at some locations along the study area.
- 8. Mailboxes are located near the edge of pavement in some locations along the road.

Crash History

There were 34 crashes reported in the last five years along Huntington Road. A crash report summary is attached in Appendix. Most of the crashes were reported as a single vehicle crash and property damage only. The most common contributing circumstances for crashes were reported as failure to keep in proper lane and driving too fast for conditions. There were 12 injury crashes and two fatal (on 03/11/2019 at approximately 3912 Huntington Road, and 07/22/21 at approximately 1153 Huntington Road) in the last five years along Huntington Road. The investigation officers for both fatal crashes determined that alcohol or drug impairment and driving under influence, speed and lack of control appear to be contributing factors for the crashes. There are two high crash segments along Huntington Road: 1) a segment north of the Dugway Road intersection, and 2) north of the Huntington Town line shown in the figure below.

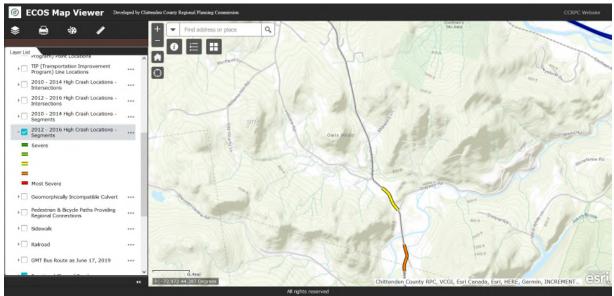


Figure 4: High Crash Segments along Huntington Road

Speed Data

Traffic volume and speed data (attached in the Appendix) were collected using an ATR on Huntington Road from 07/14/2021 to 07/21/2021. Table 2 shows a summary of speed data for Huntington Road.

Table El opeca Bata on Hant	ington noud		
Speed Data	Northbound	Southbound	Combined
Average Speed	45 mph	48 mph	46 mph
10 mph Pace Speed	40 - 49 mph	45 - 54 mph	40 - 49 mph
85 th Percentile Speed	49 mph	52 mph	51 mph

Table 2: Speed Data on Huntington Road

The 85th percentile speed for the northbound and southbound directions was observed as 49 mph and 52 mph, respectively, and the combined 85th percentile speed was observed as 51 mph, whereas the posted speed limit in the study area is 45 mph. This indicates that 85 percent of drivers are comfortable driving at speeds at or below 51 mph (6 mph over the posted speed limit) along Huntington Road.

Curve Safety Assessment

A curve safety assessment was conducted on December 14, 2021, to determine advisory speed to travel horizontal curves at three locations along Huntington Road; Hillview Road, Dugway Road and Mayo Road, using a slope meter (ball-bank indicator). The following figure shows the study horizontal curves on Huntington Road.



Figure 5: Horizontal Curves along Huntington Road

Ball-bank indicator field testing is the most common and feasible method of determining a safe traveling speed at which a curve may be negotiated under average vehicle operation, roadway geometry, road surface and environmental conditions. During field testing, a ball-bank indicator was mounted on dashboard of the test vehicle and deflection angle of the solid ball in the device is recorded at different speeds along the three study curves in both travel directions to determine the safe traveling speed. Test runs were conducted maintaining 45, 40, and 35 mph traveling speed along the three horizontal curves and corresponding ball-bank indicator readings were recorded. The following Table 3 shows the ball-bank readings at the three horizontal curves at different operating speeds.

	Existing				Red	corde	d Ball	Bank	Read	ling					
Curve	Advisory	Driving	Speed (mph)												
No.	Speed (mph)	Direction	15	20	25	30	35	40	45	50	55	60			
at Mayo	None	Northbound					12	16	20						
Rd.	None	Southbound					9	13	16						
at Dugway	None	Northbound					8	9	13						
Rd.	None	Southbound					7	8	11						
at Hillview	None	Northbound					12	15	20						
Rd.	None	Southbound					12	13	19						

Table 3: Ball-Bank Readings at Three Horizontal Curves on Huntington Road

The Manual on Uniform Traffic Control Devices (MUTCD) for streets and highways defines the standards and provides guidance to governing bodies, municipalities, road managers to install and maintain traffic control devices on all public roads, local streets, bikeways, and private roads open to public travel. Section 2C.08 of the MUTCD provides standards and guidance for installing an advisory speed plaque that can be used to supplement any warning sign to indicate the advisory speed for a condition. Table 4 shows the maximum ball-bank reading to be used for determining safe traveling speed for curves, as provided in Section 2C.08.

Table 4: Maximum Ball-Bank Readings

Speed Range	Maximum Ball-Bank Reading
<= 20 mph	16 ⁰
25 – 30 mph	14 ⁰
>= 35 mph	12 ⁰

It is evident from the observed ball-banking readings that motorists are highly likely to experience discomfort while navigating these three curves along Huntington Road when traveling at or above 35 mph. Motorists may experience further discomfort and high potential of swaying away from travel lane in severe weather conditions such as in rain and snow conditions while navigating the three curves.

Kenyon Road

Kenyon Road is an unpaved road classified by the state as a Class III Town Highway and functionally classified as a Local Road. The study area for this road extends from the intersection of US Route 2 to the intersection of Hinesburg Road. The CCRPC staff installed an Automatic Traffic Recorder (ATR) on Kenyon Road at the location shown in Figure 5 to collect traffic volume and speed data. Data were collected between June 17, 2021 and June 22, 2021. Figure 5 shows the study area and ATR location.



Figure 6: Kenyon Road and ATR Location

Windshield Survey

A windshield reconnaissance survey was conducted in both travel directions along the road by the team to identify safety related issues, roadway characteristics and roadside safety hazards. The following is a list of findings from the survey:

- 1. The road surface is unpaved with its width varying between 20 and 24 ft.
- 2. Very narrow native gravel/grass shoulders exist on both sides of travel lanes.
- 3. The northern segment of road from US Route 2 to Sylvan Knoll Road is posted at 25 mph and the remaining segment to the intersection of Hinesburg is posted at 35 mph.
- 4. Sharp curve warning signs with advisory speed signs are installed along curved segments of the road.

Crash History

There were 18 crashes reported in the last five years along Kenyon Road. A crash report summary is attached in Appendix. Most of the crashes were reported as single vehicle crashes and property damage only. Most common contributing circumstances for crashes were reported as failure to keep in proper lane and driving too fast for conditions.

Speed Data

Traffic volume and speed data (attached in the Appendix) were collected using an ATR on Kenyon Road from 06/17/2021 to 06/22/2021. Table 5 shows a summary of speed data for Kenyon Road.

Speed Data	Northbound	Southbound	Combined										
Average Speed	33 mph	32 mph	32 mph										
10 mph Pace Speed	28 - 37 mph	27 - 36 mph	27 - 36 mph										
85 th Percentile Speed	40 mph	40 mph	40 mph										

Table 5: Speed Data on Kenyon Road

The 85th percentile speed for both the northbound and southbound direction was observed as 40 mph and the combined 85th percentile speed was also observed as 40 mph. This indicates that 85 percent of drivers are comfortable driving at speeds of 40 mph or less (5 mph over the posted speed limit) along Kenyon Road.

3. Speed Data Analysis

A widely used metric in setting speed limits is the 85th percentile speed. This is defined as the speed in which 85% of motorists are traveling at or below. Based on the best available evidence and previous research, speed limits set using the 85th percentile speed data are not only acceptable by the majority of motorists, but also fall within the speed range where crash risk is lowest¹. The Manual on Uniform Traffic Control Devices (MUTCD), which is adopted as the standard for all traffic control devices in Vermont (Title 23 V.S.A. Section 1025), recommends setting speed limits within 5 mph of the 85th percentile speed while taking into consideration other factors such as roadway characteristics, shoulder condition, grade, the 10 mph pace speed, land uses, development setbacks, parking, crash history, and bicycle/pedestrian activity.

A research study in Kansas found that a majority of motorists driving on gravel roads tend to judge their speed based on a variety of conditions, including road surface and width, weather, sight distance etc., instead of strictly complying with posted speed limits². As per the Federal Highway Administration (FHWA) safety office, "speeding issues on gravel roads will be best addressed through the use of a combination of engineering, enforcement and education countermeasures."

4. Pedestrian Activity and Other Factors

As mentioned above, other factors should be considered in determining a safe and reasonable speed limit. Based on research work in other states, the prevailing speeds may be reduced by 5 percent when the total pedestrian traffic exceeds 10 people per hour for any three hours within any eight-hour period. Pedestrian volume data are not available for the study areas. However, anecdotal information from general field observation indicates that pedestrian volume in the study areas is unlikely to exceed 10 people per hour for any three hours in a day.

5. Findings and Recommendations

In general, the Town should consider implementing site specific traffic calming measures such as radar speed feedback signs, dynamic pavement striping, gateway treatments etc., with a combination of countermeasures such as public outreach and education, safety awareness campaign and increasing enforcement targeted at changing driver behavior who are driving 10 mph above the speed limit on town highways.

¹ Synthesis of Speed Zoning Practice, FHWA-RD-85-096, Technical Summary.

² <u>https://safety.fhwa.dot.gov/local_rural/training/fhwasa010413spmgmt/speedmanagementguide.pdf</u>

Hinesburg Road

Hinesburg Road is paved and exhibits narrow shoulders with steep embankments along the edge of pavement at some locations. As per the observed bidirectional 85th percentile speed data, the majority of drivers are traveling at or below 53 mph on Hinesburg Road within the study area.

Despite the observed 85th percentile speeds, when considering the roadway characteristics and lack of shoulders and steep embankment slopes, rural residential land use, and high number of crashes with high crash segments, **it is recommended to lower the speed limit to 40 mph on Hinesburg Road from the intersection of Huntington Road to approximately 0.5 miles south of Mansfield Way.** It is also recommended to strip an edge line along Hinesburg Road maintaining at least 10 ft travel lane width in both directions.

Huntington Road

Huntington Road is paved and exhibits narrow shoulders with steep embankments along the edge of the roadway at certain locations within the study area. As per the observed bidirectional 85th percentile speed data, a majority of drivers are traveling at or below 52 mph on Huntington Road.

Despite the observed 85th percentile speeds, when considering roadway characteristics and lack of shoulders and steep embankment slopes, rural residential land use, and high number of crashes with high crash segments, **it is recommended to extend the 40 mph speed limit zone southward to approximately 0.3 miles north of the Dugway Road intersection.**

The following are additional recommendations based on field observations and ball-banking data analysis:

- Install curve sign supplemented with 35 mph advisory speed plaque along curves in both directions on Huntington Road at Mayo Road and Dugway Road locations. (see Figure 5 for location reference)
- Install an additional chevron sign along the east side of the curve section at Mayo Road.
- Increase the height of chevron signs along the curve section at lower Hillview Road so that the bottom of the signs are 5 ft above the edge of pavement.
- Install a fog line/edge line maintaining at least 10 ft travel lane width in both directions.

Kenyon Road

Kenyon Road is an unpaved road with narrow shoulders. Generally, most motorists tend to drive at speeds lower than the posted speed limit on unpaved/gravel roads. Therefore, the Vermont Agency of Transportation (VTrans) does not recommend setting speed limits for Class III unpaved roads³.

Warning chevron signs and advisory speed signs were installed at appropriate locations along the road. By clearing or trimming vegetation along narrow curves and in the vicinity of driveway approaches, sight distance and safety for all users will be improved.

With the observed 85th percentile speeds and considering the roadway characteristics and narrow shoulders, rural residential land use, and lack of significant pedestrian and bicycle activities, **it is recommended to maintain the existing speed limits on Kenyon Road.**

³<u>https://localroads.vermont.gov/sites/localroads/files/files/resources/materials/SettingSpeedLimitsGuideUpdateAugu</u>st2016.pdf

Municipality:	Town of Richmond
Road Name:	Hinesburg Road, Huntington Road and Kenyon Road
Recommended Speed Limit:	 40 mph for Hinesburg Rd. between Huntington Road and 0.5 miles south of Mansfield Way Extend 40 mph zone on Huntington Road southward approximately 0.3 miles north of the Dugway Road intersection
	Maintain 35 mph for Kenyon Road
Evaluation By:	Sai Sarepalli, P.E.
	Senior Transportation Planning Engineer
Final Report Document Date:	02/07/2022

Table 6: Technical Summary

85th Percentile Speed (mph):	Hinesburg Road: EB – 53 mph; WB – 53 mph Huntington Road: NB – 49 mph; SB – 52 mph Kenyon Road: NB – 40 mph; SB – 40 mph
10 mph Pace Speed (mph) & Percentage in the range	Hinesburg Road: EB (40-49mph, 64%); WB (41-50 mph, 67%) Huntington Road: NB (40-49mph, 74%); SB (45-54mph, 65%) Kenyon Road: NB (28-37mph, 64%); SB (27-36 mph, 69%)
Safety problem related to speed:	 Motorists driving at excessive speeds along curves can pose safety hazard. Driveways obscured due to vegetation can pose safety hazard for drivers.
Average Daily Traffic (Vehicles per Day)	Hinesburg Road: 2,000 Huntington Road: 2,485 Kenyon Road: 750
Town Highway and Functional Classification for both roads	Hinesburg Road: Class II and Major Collector Huntington Road: Class II and Major Collector Kenyon Road: Class III and Local Road
Road Surface	Hinesburg Rd and Huntington Rd: Paved/Asphalt Kenyon Road: Unpaved/Gravel
Road Width	Varies between 18 and 20 ft. No Pavement Markings
Shoulder Surface	Hinesburg Rd and Huntington Rd: Asphalt/Gravel Kenyon Road: Grass/Gravel
Shoulder Width	Hinesburg Rd and Huntington Rd: 0.5 ft to 2 ft Kenyon Road: 0 ft to 1 ft
Parking	No Parking on all study roads
Pedestrian/Bicycles	No marked bike lanes on all study roads
Adjacent Land use	Rural Residential

<u>Appendix</u>

Crash Data

Hinesburg Road Crash Data

01/01/2016 - 08/31/2021

Route	Reporting Agency/Incident No.	City/Town	Route	Mile Marker	Crash Date	Time	Weather	Contributing Circumstances	Direction Of Collision	Number of Injuries	Number of Fatalities	Number of Untimely Deaths	Direction	Crash Severity
FAS 0209	VT0040800/17RM01154	Richmond	Hinesburg Rd	0.4	11/11/2017	1:53 PM	Clear	No improper driving	Single Vehicle Crash	0	0	0	N	None
FAS 0209	VT0040800/17RM00111	Richmond	Hinesburg Rd	0.57	2/3/2017	8:24 PM	Snow	Driving too fast for conditions- Not Distracted	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/16RM01231	Richmond	Hinesburg Rd	1.03	11/19/2016	10:29 AM	Clear	Driving too fast for conditions- Other Inside Vehicle	Single Vehicle Crash	1	0	0	S	Suspected Minor
FAS 0209	VT0040800/16RM00228	Richmond	Hinesburg Rd	1.6	3/7/2016	10:34 AM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/17RM00228	Richmond	Hinesburg Rd	1.72	3/9/2017	7:00 AM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	N	None
FAS 0209	VT0040800/19RM00402	Richmond	Hinesburg Rd	1.72	6/17/2019	7:35 AM	[No Weat	her]	[No Direction of Collision]	0	0	0	N	None
FAS 0209	VT0040800/17RM00271	Richmond	Hinesburg Rd	2	3/22/2017	11:28 AM	Cloudy	Driving too fast for conditions	Single Vehicle Crash	0	0	0	N	None
FAS 0209	VT0040800/16RM00555	Richmond	Hinesburg Rd	2.3	5/29/2016	3:50 PM	Rain	Under the influence of medication/drugs/alcohol	Single Vehicle Crash	0	0	0	E	None
FAS 0209	VT0040800/20RM00035	Richmond	Hinesburg Rd	2.41	1/19/2020	7:40 PM	[No Weat	her]	[No Direction of Collision]	0	0	0		[No Data]
FAS 0209	VTVSP0100/18A102971	Richmond	Hinesburg Rd	2.53	6/29/2018	8:11 PM	Clear		Single Vehicle Crash	0	0	0	W	None
FAS 0209	VTVSP0100/21A102454	Richmond	Hinesburg Rd	2.69	7/2/2021	5:45 AM	Rain	Fatigued- asleep	Single Vehicle Crash	0	0	0	W	None
FAS 0209	VT0040800/16RM01257	Richmond	Hinesburg Rd	3.28	11/24/2016	11:15 AM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	E	None
FAS 0209	VT0040800/18RM00816	Richmond	Hinesburg Rd	3.6	8/28/2018	7:18 AM	Clear	Inattention	Single Vehicle Crash	0	0	0	W	None
FAS 0209	VT0040800/21RM00095	Richmond	Hinesburg Rd	3.65	3/29/2021	4:02 PM	Clear	Followed too closely- Operating vehicle in erratic- reckles	Rear End	0	0	0	E	None
FAS 0209	VT0040800/17RM01230	Richmond	Hinesburg Rd	3.8	12/4/2017	2:53 PM	Clear	Other improper action- No improper driving	Other - Explain in Narrative	0	0	0	W-E	None
FAS 0209	VT0040800/19RM00577	Richmond	Hinesburg Rd	3.9	8/23/2019	11:05 AM	[No Weat	ner]	[No Direction of Collision]	0	0	0	W	None
FAS 0209	VT0040800/17RM00765	Richmond	Hinesburg Rd	3.91	7/26/2017	12:35 PM	Clear	Unknown	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0041000/19RM00786	Richmond	Hinesburg Rd	3.92	11/11/2019	6:49 PM	[No Weat	ner]	[No Direction of Collision]	0	0	0	E- W	None
FAS 0209	VT0040800/17RM00171	Richmond	Hinesburg Rd	3.94	2/20/2017	9:22 AM	Clear	No improper driving	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/16RM01302	Richmond	Hinesburg Rd	3.99	12/8/2016	10:17 AM	Cloudy	Under the influence of medication/drugs/alcohol- Driving	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VTVSP0100/20A100230	Richmond	Hinesburg Rd	4.16	1/16/2020	7:40 AM	Snow	Driving too fast for conditions- No improper driving	Opp Direction Sideswipe	0	0	0	S- N	None
FAS 0209	VT0040800/17RM00938	Richmond	Hinesburg Rd	4.17	9/25/2017	7:45 PM	Clear	Exceeded authorized speed limit- Operating vehicle in err	Single Vehicle Crash	1	0	0	W	Suspected Serious
FAS 0209	VT0040800/18RM01050	Richmond	Hinesburg Rd	4.27	11/20/2018	4:14 AM	Snow	No improper driving	Single Vehicle Crash	0	0	0	W	None
FAS 0209	VT0040800/16RM01307	Richmond	Hinesburg Rd	4.37	12/9/2016	6:52 PM	Snow	No improper driving- Not Distracted	Single Vehicle Crash	0	0	0	E	None
FAS 0209	VT0040800/19RM00230	Richmond	Hinesburg Rd	4.46	3/27/2019	7:44 AM	Clear	Followed too closely- No improper driving	Rear End	0	0	0	E	None
FAS 0209	VT0040800/17RM00027	Richmond	Hinesburg Rd	4.51	1/8/2017	2:25 AM	Clear	Under the influence of medication/drugs/alcohol	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/20RM00080	Richmond	Hinesburg Rd	4.58	2/12/2020	2:12 PM	Clear	Failed to yield right of way- No improper driving	Left Turn and Thru- Angle Broadside>v	- 1	0	0	W- N	Possible
FAS 0209	VT0040800/16RM01077	Richmond	Hinesburg Rd	4.6	9/30/2016	5:27 PM	Cloudy	Disregarded traffic signs- signals- markings- Not Distracte	Opp Direction Sideswipe	0	0	0	N- S	None
FAS 0209	VT0040800/18RM00216	Richmond	Hinesburg Rd	4.87	3/8/2018	8:41 AM	Snow	Disregarded traffic signs- signals- markings	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/19RM00382	Richmond	Hinesburg Rd	4.93	6/3/2019	11:11 AM	[No Weatl	ner]	[No Direction of Collision]	0	0	0		[No Data]
FAS 0209	VT0040800/19RM00611	Richmond	Hinesburg Rd	4.93	9/4/2019	4:19 PM	[No Weat	ner]	[No Direction of Collision]	0	0	0		[No Data]
FAS 0209	VT0040800/19RM00687	Richmond	Hinesburg Rd	4.97	10/3/2019	7:24 PM	Rain		Single Vehicle Crash	0	1	0	Ν	Fatality
FAS 0209	VT0040800/19RM00569	Richmond	Hinesburg Rd	5.02	8/19/2019	1:03 PM	[No Weat	ner]	[No Direction of Collision]	0	0	0	S	None
FAS 0209	VT0040800/17RM01137	Richmond	Hinesburg Rd	5.08	11/7/2017	7:28 AM	Clear	Followed too closely	Rear End	1	0	0	Ν	Suspected Minor
FAS 0209	VT0040800/17RM00947	Richmond	Hinesburg Rd	5.09	9/14/2017	3:30 PM	Cloudy	Inattention- No improper driving	Other - Explain in Narrative	0	0	0	S- W	None
FAS 0209	VT0040800/20RM00580	Richmond	Hinesburg Rd	5.13	12/16/2020	4:35 PM	Clear	Inattention	Rear-to-rear	0	0	0	E- P	None
FAS 0209	VT0040800/17RM00327	Richmond	Hinesburg Rd	5.14	4/7/2017	11:23 AM	Other - Ex	Failed to yield right of way- No improper driving	Left Turn and Thru- Angle Broadside>v	- 0	0	0	N- S	None
FAS 0209	VT0040800/18RM00468	Richmond	Hinesburg Rd	5.15	5/15/2018	8:41 AM	Rain	Inattention- No improper driving	No Turns- Thru moves only- Broadside ^<	0	0	0	E	None
FAS 0209	VT0040800/16RM00615	Richmond	Hinesburg Rd	5.8	6/13/2016	11:07 AM	Clear	Failure to keep in proper lane	Single Vehicle Crash	0	0	0	S	None
FAS 0209	VT0040800/21RM00027	Richmond	Hinesburg Rd	5.82	1/21/2021	3:40 PM	Snow	Failure to keep in proper lane- No improper driving	Opp Direction Sideswipe	0	0	0	W- E	None
FAS 0209	VT0040800/17RM00168	Richmond	Hinesburg Rd	6.44	2/17/2017		Cloudy	0	Single Vehicle Crash	0	0	0	N	None
FAS 0209	VT0040800/19RM00131	Richmond	Hinesburg Rd	6.44	2/10/2019	8:19 PM	Clear	No improper driving	Same Direction Sideswipe	0	0	0	S	None
FAS 0209	VT0040800/18RM00299	Richmond	Hinesburg Rd	6.91	3/28/2018	5:21 PM	Clear	No improper driving- Followed too closely- Not Distracted	Rear End	0	0	0	S	None
FAS 0209	VT0040800/18RM00555	Richmond	Hinesburg Rd	7.29	6/5/2018	8:01 AM	Cloudy	Followed too closely	Rear End	0	0	0	Ν	None
FAS 0209	VT0040800/16RM01101	Richmond	Hinesburg Rd	7.42	10/7/2016	7:13 AM	Clear	Failure to keep in proper lane- Inattention	Single Vehicle Crash	0	0	0	N	None
FAS 0209	VT0040800/19RM00771	Richmond	Hinesburg Rd	999.99	11/7/2019	3:17 PM	[No Weatl	her]	[No Direction of Collision]	0	0	0		[No Data]

Huntington Road

Crash Data 01/01/2016 - 08/31/2021

											Number	Number		
	Reporting			Mile						Number	of	Untimely		
Route		City/Town			Crash Date	Time	Weather	Contributing Circumstances	Direction Of Collision	of Injuries		Deaths	Direction	Crash Severity
		1.	Huntington Rd			4:50 PM			Single Vehicle Crash	0	0	0	N	None
			Huntington Rd			2:09 PM			Single Vehicle Crash	1	0	0	N	Suspected Minor
			Huntington Rd		10/19/2018	12:37 PM			Single Vehicle Crash	0	0	0	N	None
			Huntington Rd			6:21 PM			Single Vehicle Crash	0	1	0	s	Fatality
			Huntington Rd		-1 1	2:21 PM	,		Single Vehicle Crash	1	0	0	s	Possible
			Huntington Rd		11.	5:45 AM			Single Vehicle Crash	0	0	0	N	None
			Huntington Rd		-1 -1 -	11:06 PM		No improper driving- Fatigued- asleep	Head On	0	0	0	S	Unknown
			Huntington Rd		11/27/2018				Single Vehicle Crash	0	0	0	w	None
			Huntington Rd					Other improper action- Followed too closely	Rear End	0	0	0	S	None
			Huntington Rd		10/28/2018	8:12 PM	,	Driving too fast for conditions	[No Direction of Collision]	0	0	0	S	None
			Huntington Rd			7:28 PM		-	Single Vehicle Crash	0	0	0	S	None
FAS 0211			Huntington Rd			7:47 AM			Single Vehicle Crash	0	0	0	N	None
FAS 0211			Huntington Rd		3/2/2016	4:01 PM	Cloudy		Single Vehicle Crash	0	0	0	N	None
FAS 0211			Huntington Rd			4:27 PM	[No Weath		[No Direction of Collision]	0	0	0	S	None
FAS 0211			Huntington Rd		8/9/2019	11:35 AM	Clear	Other Activity- Electronic Device	Single Vehicle Crash	0	0	0	S	None
FAS 0211	VT0040800/16RM00867	Richmond	Huntington Rd	1.4	8/6/2016	8:02 AM	Clear	Fatigued- asleep	Single Vehicle Crash	1	0	0	S	Suspected Minor
FAS 0211	VT0040800/20RM00031	Richmond	Huntington Rd	1.46	1/17/2020	6:50 PM	Clear	No improper driving	Single Vehicle Crash	0	0	0	N	[No Data]
FAS 0211	VT0040800/16RM00204	Richmond	Huntington Rd	1.8	2/27/2016	2:58 AM	Cloudy	Under the influence of medication/drugs/alcohol- Operating vehicle in erratic-	Single Vehicle Crash	1	0	0	S	Suspected Minor
FAS 0211	VT0040800/17RM00944	Richmond	Huntington Rd	2.19	9/14/2017	5:37 AM	Cloudy	Failure to keep in proper lane	Single Vehicle Crash	0	0	0	N	None
FAS 0211	VTVSP0100/18A203989	Richmond	Huntington Rd	2.31	8/11/2018	7:43 PM	Cloudy	Failure to keep in proper lane	Single Vehicle Crash	1	0	0	N	Possible
FAS 0211	VT0040800/17RM00659	Richmond	Huntington Rd	2.51	7/2/2017	9:36 AM	Cloudy	Under the influence of medication/drugs/alcohol	Single Vehicle Crash	1	0	0	S	Suspected Minor
FAS 0211	VT0040800/17RM00123	Richmond	Huntington Rd	2.59	2/7/2017	8:12 AM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	S	None
FAS 0211	VT0040800/19RM00221	Richmond	Huntington Rd	2.61	3/22/2019	11:10 AM	Snow	Driving too fast for conditions- No improper driving	Head On	2	0	0	N- S	Suspected Serious
FAS 0211	VT0040800/19RM00849	Richmond	Huntington Rd	2.61	12/7/2019	10:34 AM	[No Weath	ner]	[No Direction of Collision]	0	0	0	N- S	None
FAS 0211	VT0040800/18RM00113	Richmond	Huntington Rd	2.74	2/3/2018	3:27 AM	Cloudy	Under the influence of medication/drugs/alcohol- Not Distracted	Single Vehicle Crash	1	0	0	S	Suspected Serious
FAS 0211	VT0040800/17RM00013	Richmond	Huntington Rd	2.81	1/4/2017	6:20 AM	Snow		Single Vehicle Crash	0	0	0	S	None
FAS 0211	VT0040800/18RM00449	Richmond	Huntington Rd	2.87	5/9/2018	8:35 AM	Clear	Fatigued- asleep- Failure to keep in proper lane- No improper driving	Head On	3	0	0	S- N	Suspected Serious
FAS 0211	VT0040800/18RM00347	Richmond	Huntington Rd	2.91	4/12/2018	5:21 PM	Rain	No improper driving	Opp Direction Sideswipe	0	0	0	N- S	None
FAS 0211	VTVSP0100/21A102730	Richmond	Huntington Rd	3	7/22/2021	12:17 AM	Not Repor	Exceeded authorized speed limit- Operating vehicle in erratic- reckless- careless	Single Vehicle Crash	0	1	0	S	Fatality
FAS 0211	VT0040800/18RM00859	Richmond	Huntington Rd	3.22	9/8/2018	3:07 PM	Clear	Driving too fast for conditions	Single Vehicle Crash	1	0	0	S	Possible
FAS 0211	VT0041000/19WT00486	Richmond	Huntington Rd	3.41	2/3/2019	8:27 PM	Sleet- Hail	Swerving or avoiding due to wind- slippery surface- vehicle- object- non-motori	Head On	3	0	0	N- S	Suspected Minor
FAS 0211	VTVSP0100/19A100368	Richmond	Huntington Rd	3.47	1/21/2019	6:31 PM	Snow	Driving too fast for conditions- No improper driving	Other - Explain in Narrative	0	0	0	N- S	None
FAS 0211	VT0040800/19RM00093	Richmond	Huntington Rd	3.47	1/27/2019	4:51 PM	[No Weath	ner]	[No Direction of Collision]	0	0	0		[No Data]
FAS 0211	VTVSP0100/20A100269	Richmond	Huntington Rd	3.47	1/17/2020	8:04 AM	Cloudy	Driving too fast for conditions- No improper driving	Rear End	0	0	0	S- N	None

Kenyon Road Crash Data 01/01/2016 - 08/31/2021

Banarting								Number of	Number of	Number of Untimely		
Reporting Agency/Incident No.	Town	Route	Crash Date	Time	Weather	Contributing Circumstances	Direction of Collision	Injuries	Fatalities	Deaths	Location	Injury Type
VT0040800/16RM00092	Richmond	T0008	1/29/2016	6:45 PM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	Kenyon Road at Hinesburg Road	None
VT0040800/16RM00188	Richmond	T0008	2/23/2016	7:48 PM	Cloudy	No improper driving	Single Vehicle Crash	1	0	0	421 Kenyon Road at Turkey Hill Road	Possible
VT0040800/16RM00584	Richmond	T0008	6/3/2016	10:28 PM	Clear	Driving too fast for conditions	Single Vehicle Crash	1	0	0	1724 Kenyon Road at 1492 Kenyon Roa	Possible
VT0040800/17RM01295	Richmond	T0008	12/21/2017	6:34 PM	Cloudy	No improper driving- Not Distracted	Single Vehicle Crash	0	0	0	Kenyon Road at Hinesburg Rd	None
VT0040800/18RM00068	Richmond	T0008	1/19/2018	7:50 AM	Cloudy	Failure to keep in proper lane	Single Vehicle Crash	0	0	0	1250 Kenyon Rd at Route 2	None
VT0040800/18RM00215	Richmond	T0008	3/8/2018	7:31 AM	Snow	Driving too fast for conditions- No improper driving	Opp Direction Sideswipe	1	0	0	1722 Kenyon Rd at Fays Corner	Suspected Mino
VT0040800/19RM00042	Richmond	T0008	1/11/2019	11:10 PM	Clear	Unknown	Single Vehicle Crash	0	0	0	932 Kenyon Rd at Sylvan Ridge Rd	[No Data]
VT0040800/19RM00528	Richmond	T0008	7/31/2019	3:00 PM	[No Weather]		[No Direction of Collision]	0	0	0	2300 KENYON ROAD at HINESBURG RO	None
VT0040800/19RM00548	Richmond	T0008	8/8/2019	5:15 PM	[No Weather]		[No Direction of Collision]	0	0	0	KENYON RD at	[No Data]
VT0040800/19RM00787	Richmond	T0008	11/12/2019	9:11 AM	[No Weather]		[No Direction of Collision]	0	0	0	725 KENYON ROAD at TURKEY HILL LAN	None
VT0040800/19RM00842	Richmond	T0008	12/5/2019	7:44 PM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	1724 Kenyon Rd at 1724 Kenyon Rd	None
VT0040800/19RM00843	Richmond	T0008	12/6/2019	4:03 PM	Snow	Driving too fast for conditions	Single Vehicle Crash	0	0	0	1722 Kenyon Road at Hinesburg Road	None
VT0040800/19RM00848	Richmond	T0008	12/7/2019	10:20 AM	[No Weather]		[No Direction of Collision]	0	0	0	777 KENYON ROAD at SYLVAN RIDGE	None
VT0040800/19RM00862	Richmond	T0008	12/13/2019	7:15 AM	[No Weather]		[No Direction of Collision]	1	0	0	1193 KENYON ROAD at BOX 1193	Possible
VT0040800/20RM00104	Richmond	T0008	2/28/2020	12:00 PM	Cloudy	Driving too fast for conditions- No improper driving	Opp Direction Sideswipe	0	0	0	Kenyon Road at Hinesburg Road	None
VTVSP0100/20A102163	Richmond	T0008	5/17/2020	9:25 AM	[No Weather]		[No Direction of Collision]	0	0	0	Kenyon Rd	[No Data]
VT0040800/20RM00217	Richmond	T0008	5/17/2020	8:49 AM	[No Weather]		[No Direction of Collision]	0	0	0	Kenyon Rd	[No Data]
VT0040800/20RM00367	Richmond	T0008	7/22/2020	12:56 PM	Cloudy	Driving too fast for conditions	Single Vehicle Crash	0	0	0	32 Turkey Hill Rd at Turkey Hill Rd	None

Speed Data

Site Code: Station ID: Location 1: Location 2: Direction: East, A to B	Hine	H20 esburg Rd, R ween Wild Ap	ichmond VT ople Ln and L	ilac Knoll		Wino	oski, VT 0	5404			File Name Date Print Start Date End Date:	ed: ::	RICH20 6/22/2021 6/10/2021 6/15/2021	
6/10/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 - 15 M	IPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	1	0	0	0	1	0	0	2
2:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3:00	0	0	0	0	0	1	0	1	0	0	0	0	0	2
4:00	0	0	0	0	1	1	0	2	1	1	0	0	0	6
5:00	0	0	1	0	0	3	4	1	3	0	0	0	0	12
6:00	0	1	1	0	0	1	5	4	6	3	0	0	0	21
7:00	1	0	1	0	5	5	23	23	10	2	1	0	0	71
8:00	1	0	1	0	1	4	14	25	7	1	2	0	0	56
9:00	0	2	0	1	0	8	13	21	7	0	0	0	0	52
10:00	0	0	1	0	0	5	20	24	5	1	0	0	0	56
11:00	0	1	1	0	2	5	17	18	9	1	0	0	0	54
12:00 PM	0	0	2	0	1	11	26	16	8	2	0	0	0	66
1:00	0	0	4	1	0	4	26	25	4	2	0	0	0	66
2:00	0	1	0	0	1	7	28	29	6	1	0	0	0	73
3:00	0	0	4	0	3	12	46	43	12	0	0	0	0	120
4:00	0	0	0	0	0	4	35	52	9	3	0	0	0	103
5:00	1	0	2	0	0	7	38	53	15	3	0	1	0	120
6:00	0	3	0	0	0	7	12	30	20	1	1	0	0	74
7:00	0	0	1	0	2	1	18	22	12	0	0	0	1	57
8:00	0	2	0	0	0	5	16	14	1	0	0	0	0	38
9:00	0	0	0	0	1	7	7	4	4	1	1	0	0	25
10:00	0	0	0	0	0	1	3	3	2	0	0	0	0	9
11:00	0	0	0	0	0	0	2	4	0	1	0	0	0	7
Total	3	10	19	2	17	100	354	415	141	23	6	1	1	1092

Site Code: Station ID:	RIC	H20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2: Direction: East, A to E	Bet	esburg Rd, F ween Wild A									Start Date End Date:	:	6/10/2021 6/15/2021	
6/11/2021	5	> 15 - 20	> 00 05	> 05 - 00	> 20 25	> 25 40	> 40 45	> 45 50	> =0 ==	> ==	> COCE	> 65 - 70		
Time 0 - 15	MPH	MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	2	0	1	1	0	0	0	0	4
5:00	0	0	0	0	0	1	2	5	3	1	0	0	0	12
6:00	0	0	1	0	0	0	3	4	4	0	0	0	0	12
7:00	1	0	2	0	1	14	25	29	6	1	0	1	1	81
8:00	0	2	0	0	0	4	14	12	10	6	0	0	0	48
9:00	0	0	0	2	0	6	24	22	11	0	0	0	0	65
10:00	1	1	0	0	0	2	10	12	3	1	0	0	0	30
11:00	1	0	0	0	0	12	15	26	6	1	0	0	0	61
12:00 PM	0	0	1	0	1	10	20	24	12	3	1	0	0	72
1:00	0	1	0	0	1	7	31	29	5	0	0	0	0	74
2:00	0	0	0	0	0	7	27	39	12	2	0	1	0	88
3:00	0	0	1	0	0	11	35	27	21	0	0	0	0	95
4:00	2	1	1	0	5	11	43	46	15	6	0	0	0	130
5:00	0	1	1	0	1	8	37	44	17	3	0	0	0	112
6:00	1	1	0	1	0	8	18	22	5	0	0	1	0	57
7:00	1	0	0	0	2	1	23	16	3	1	1	0	0	48
8:00	0	0	4	1	0	4	17	11	3	1	0	0	0	41
9:00	0	0	0	0	0	2	8	7	6	0	0	0	0	23
10:00	0	0	0	0	0	3	10	4	2	0	0	0	0	19
11:00	0	0	0	0	1	0	3	3	0	0	0	0	0	7
Total	7	7	11	4	12	114	365	384	145	26	2	3	1	1081

Site Code: Station ID:	RIC	CH20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2: Direction: East, A	Bet	esburg Rd, F ween Wild A									Start Date End Date:):	6/10/2021 6/15/2021	
6/12/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 -	15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	1	0	3	0	0	0		4
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4:00	0	0	0	0	0	0	2	0	1	1	0	0	0	4
5:00	0	0	0	0	0	1	0	3	0	0	1	0	0	5
6:00	0	0	0	0	0	1	1	6	4	2	0	0	0	14
7:00	0	0	0	0	0	2	11	12	6	2	0	0	1	34
8:00	0	1	0	0	3	3	10	16	9	3	0	0	0	45
9:00	0	0	0	1	1	4	19	27	14	4	0	0	0	70
10:00	0	2	1	0	0	10	18	24	9	0	0	0	0	64
11:00	2	1	1	0	1	6	23	20	9	1	0	0	0	64
12:00 PM	0	3	2	0	0	4	33	28	12	2	0	0	0	84
1:00	1	0	0	0	2	5	32	29	17	2	0	0	0	88
2:00	1	3	3	0	4	14	26	28	10	1	0	0	0	90
3:00	0	0	0	1	1	5	22	35	9	2	1	1	1	78
4:00	1	1	2	0	2	7	32	41	11	3	0	0	0	100
5:00	0	0	0	0	1	12	17	32	9	0	0	0	0	71
6:00	0	0	1	1	0	3	21	23	12	2	1	1	0	65
7:00	0	0	1	0	0	2	10	21	6	0	0	0	0	40
8:00	0	0	0	0	1	3	17	11	2	0	0	0	0	34
9:00	0	0	0	0	1	8	16	9	1	0	0	0	0	35
10:00	0	0	0	0	1	0	8	2	2	0	0	0	0	13
11:00	0	0	0	0	0	0	1	2	0	0	0	0	0	3
Total	5	11	11	3	18	90	321	369	146	25	3	2	2	1006

e Code:	RIC	CH20				Wino	oski, VT 0	5404			File Name		RICH20	
tion ID:							,				Date Print		6/22/2021	
cation 1:		esburg Rd, F									Start Date		6/10/2021	
cation 2:		ween Wild A	ppie Ln and L	liac Knoll							End Date:		6/15/2021	
ection: East, A 6/13/2021	Ю Б	. 45 . 00				. 05 40		. 15 50				. 05 70		
Time 0 -	15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
 12:00 AM	0	0	0	0	0	2	3	1	1	0	0	0	0	7
1:00	Ő	ů 0	Ő	Ő	ů 0	0	1	3	O	õ	õ	Ő	Ő	4
2:00	Ő	ů 0	õ	Ő	ů 0	0 0	1	0 0	õ	õ	õ	Ő	Ő	1
3:00	Ő	Ő	Ő	0	Ő	Ő	1	1	Ő	Ő	Ő	0	Õ	2
4:00	Ō	0	Ō	Ō	Ō	Ō	Ó	Ó	Ō	Ō	Ō	Ō	Ō	0
5:00	0	0	0	0	0	2	2	1	0	0	0	0	0	5
6:00	0	0	0	0	1	0	5	6	1	1	0	0	0	14
7:00	1	1	0	0	0	1	6	8	4	1	0	0	0	22
8:00	0	1	0	0	0	2	9	14	4	1	0	0	0	31
9:00	2	1	2	2	3	4	13	11	3	1	0	0	0	42
10:00	0	3	1	1	0	4	16	25	9	3	0	1	0	63
11:00	0	2	0	0	0	14	21	27	5	4	1	0	0	74
12:00 PM	1	1	4	3	3	12	30	16	8	3	1	0	0	82
1:00	1	0	2	2	3	13	29	18	8	0	0	0	0	76
2:00	3	0	0	2	0	12	30	28	12	0	0	0	0	87
3:00	0	3	0	1	2	10	30	39	4	1	0	0	0	90
4:00	1	1	1	1	1	1	25	38	11	3	1	0	0	84
5:00	0	1	0	1	0	4	23	38	8	2	0	0	0	77
6:00	0	0	1	1	0	8	29	21	9	1	0	1	0	71
7:00	0	1	0	0	0	4	18	16	5	1	0	0	0	45
8:00	0	0	0	0	0	4	15	9	4	1	0	0	0	33
9:00	0	0	0	1	0	3	10	2	2	0	0	0	0	18
10:00	0	0	0	0	0	1	4	1	1	0	0	0	0	7
11:00	0	0	0	0	0	2	1	0	1	0	0	0	0	4
 Total	9	15	11	15	13	103	322	323	100	23	3	2	0	939

110 W Canal St

Site Code: Station ID:	RIC	CH20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2: Direction: East, A to	Bet	esburg Rd, R ween Wild Ap									Start Date End Date		6/10/2021 6/15/2021	
6/14/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0-1	5 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	1	0	0	0	1
3:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
4:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5:00	0	0	0	0	0	5	6	0	4	0	0	0	0	15
6:00	0	0	1	0	0	0	0	12	2	0	0	0	0	15
7:00	0	0	0	0	2	12	27	23	4	1	0	0	0	69
8:00	0	0	0	0	0	2	17	21	10	1	0	0	•	51
9:00	0	0	0	0	1	7	13	17	4	0	1	0		43
10:00	0	0	0	0	2	6	16	9	5	0	0	0	0	38
11:00	0	0	0	0	1	5	28	13	2	2	0	0	0	51
12:00 PM	0	0	0	0	1	8	40	14	0	0	0	0	0	63
1:00	0	0	1	1	5	23	20	4	2	0	0	0	-	56
2:00	0	0	0	2	14	33	17	0	0	0	0	0	0	66
3:00	0	0	0	0	13	46	9	0	0	0	0	0	0	68
4:00	0	0	0	4	35	42	13	0	0	0	0	0	0	94
5:00	0	0	0	1	18	31	10	0	0	0	0	0	0	60
6:00	0	0	0	1	11	28	4	0	0	0	0	0	•	44
7:00	0	0	0	0	4	14	2	1	0	0	0	0	0	21
8:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
9:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
10:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	10	109	267	222	114	33 565	5	1	0		763
Grand Total	24	43	54	34	169	674	1584	1605	505	102	15	8	4	4881
Stats			Percentile	15th	50th	85th	95th							
		Maan Craa	Speed	44.6	49.9	53.3								
		Mean Spee	Pace Speed	44.3 40-49										
			ber in Pace	40-49 3723										
			cent in Pace	64.0%										
			er > 45 MPH	2299										
			1 > 45 MPH	47.3%										
		FeiCei		41.3%										

Site Code: Station ID:	RIC	CH20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2: Direction: West, B	Bet		Richmond VT pple Ln and I								Start Date End Date):	6/10/2021 6/15/2021	
6/10/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 -	15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	1	0	0	0	1
3:00	0	0	0	0	0	0	0	1	1	0	0	0	0	2
4:00	0	0	0	0	1	2	2	0	0	0	0	0	0	5
5:00	0	0	0	0	0	1	6	3	0	3	1	0	0	14
6:00	0	1	1	0	0	7	12	15	10	3	0	0	0	49
7:00	0	1	0	0	0	5	26	41	32	4	0	2	0	111
8:00	0	0	0	1	2	10	32	36	18	2	0	0	0	101
9:00	1	0	0	0	1	7	17	20	10	2	0	0	0	58
10:00	0	0	0	0	1	9	11	25	7	2	0	0	0	55
11:00	0	1	1	0	1	9	11	10	11	1	0	0	0	45
12:00 PM	0	1	0	0	1	14	22	18	8	0	0	0	0	64
1:00	0	1	0	0	1	6	15	18	5	0	0	0	0	46
2:00	1	0	0	0	2	7	31	28	12	1	0	0	0	82
3:00	0	0	0	0	2	6	34	32	10	3	1	0	0	88
4:00	0	5	0	1	1	5	33	37	9	1	0	0	0	92
5:00	1	1	0	1	3	5	29	30	13	2	0	0	0	85
6:00	3	0	0	0	3	8	24	36	7	1	0	0	0	82
7:00	1	0	0	0	2	9	22	14	3	3	0	0	0	54
8:00	0	0	0	0	0	5	11	16	6	0	0	0	0	38
9:00	0	0	0	0	1	4	4	9	2	0	0	0	0	20
10:00	0	0	0	0	0	2	3	6	0	0	0	0	0	11
11:00	0	0	0	0	0	2	0	3	1	0	0	0	0	6
Total	7	11	2	3	22	123	345	398	165	29	2	2	0	1109

Site Code: Station ID:		CH20				Wino	oski, VT 0	5404			File Name Date Print	ed:	RICH20 6/22/2021	
Location 1:	Hin	esburg Rd, F	Richmond VI	lles Kestl							Start Date		6/10/2021	
Location 2: Direction: West,		ween Wild A	ppie Ln and L	liac Knoll							End Date:		6/15/2021	
6/11/2021	, D 10 A	> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
) - 15 MPH	MPH	20-25 MPH	25 - 30 MPH	> 30 - 35 MPH	2 35 - 40 MPH	240 - 45 MPH	245 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 00 - 05 MPH	205-70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	1	0	1	0	1	0	0	0	0	3
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	1	1	0	0	0	0	0	2
4:00	0	0	0	0	2	0	1	1	0	0	0	0	0	4
5:00	0	0	0	0	1	0	2	5	3	1	1	0	0	13
6:00	0	0	0	0	0	2	11	11	7	2	0	0	0	33
7:00	0	0	0	0	2	10	42	37	13	1	0	0	0	105
8:00	0	0	0	0	1	11	26	36	9	2	1	0	0	86
9:00	0	0	0	0	1	4	26	26	5	2	0	0	0	64
10:00	0	0	0	0	1	7	28	17	7	1	0	0	0	61
11:00	0	0	0	0	3	7	11	22	11	0	0	0	0	54
12:00 PM	0	0	0	0	3	3	21	28	11	1	1	2	0	70
1:00	0	1	2	0	6	5	21	25	11	4	0	0	0	75
2:00	0	0	0	0	1	10	25	23	11	0	0	0	0	70
3:00	0	0	0	1	1	10	26	42	6	1	3	0	0	90
4:00	0	0	2	0	4	9	32	41	9	1	0	0	0	98
5:00	1	0	0	1	1	6	24	28	19	3	1	1	0	85
6:00	0	0	0	1	2	9	16	30	8	0	0	0	0	66
7:00	0	1	0	0	0	3	23	25	1	1	0	0	0	54
8:00	1	0	0	0	1	4	18	15	2	0	0	1	0	42
9:00	0	0	0	0	1	3	10	7	2	1	0	0	0	24
10:00	0	0	1	0	1	1	4	3	2	0	0	0	0	12
11:00	0	0	0	0	0	1	3	2	2	0	0	0	0	8
Total	2	2	5	3	33	105	372	425	140	21	7	4	0	1119

Site Code: Station ID:	RIC	CH20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2:	Bet	esburg Rd, F ween Wild A	Richmond VT pple Ln and I	_ilac Knoll							Start Date End Date:	:	6/10/2021 6/15/2021	
Direction: West,	B to A													
6/12/2021) - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	<u>0 - 13 IVIETT</u>	0	0	0	0		2	1	0	0	0	0	0	3
1:00	0	0	0	0	0	1	2	1	1	0	0	0	0	3
2:00	0	0	0	0	0	1	1	0	1	0	0	0	0	1
3:00	0	0	0	0	0	0	1	1	0	0	0	0	0	2
4:00	0	0	0	0	Ő	0	1	0	0	0	0	0	Ő	1
5:00	Ő	õ	0 0	õ	õ	Ő	O	1	2	Ő	ů 0	Ő	Ő	3
6:00	Ő	Ő	Ő	Õ	Ő	1	6	7	3	Ő	Ő	1	0 0	18
7:00	Ō	1	1	Ō	Ō	4	9	9	8	2	Ō	Ö	Ō	34
8:00	0	0	0	0	1	3	10	21	11	2	0	0	0	48
9:00	Ō	Ō	1	2	0	6	19	29	10	5	Ō	Ō	Ō	72
10:00	0	0	1	0	1	9	25	40	13	2	0	0	0	91
11:00	1	0	1	0	2	11	19	22	7	1	0	0	0	64
12:00 PM	2	3	0	0	5	15	27	28	13	1	0	0	0	94
1:00	2	2	1	0	1	11	26	31	10	1	0	0	0	85
2:00	1	2	0	0	1	8	26	19	9	2	0	0	0	68
3:00	0	1	1	1	0	12	27	20	9	2	0	0	0	73
4:00	0	0	1	0	1	7	31	24	5	1	1	0	0	71
5:00	0	3	0	1	1	12	22	35	18	1	0	0	1	94
6:00	0	0	0	0	2	9	22	24	1	5	0	0	0	63
7:00	1	0	0	0	1	6	20	12	1	0	0	0	0	41
8:00	0	1	0	0	2	8	15	12	3	0	0	0	0	41
9:00	0	0	0	0	3	6	11	6	2	0	0	0	0	28
10:00	0	0	0	0	1	2	3	3	0	0	1	0	0	10
11:00	0	0	0	0	1	0	1	1	0	0	0	0	0	3
Total	7	13	7	4	23	131	325	346	126	25	2	1	1	1011

Site Code: Station ID:	RIC	CH20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2:	Bet		Richmond VT pple Ln and L								Start Date End Date:	e:	6/10/2021 6/15/2021	
Direction: West, E	B to A													
6/13/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
	- 15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	1	0	2	2	0	0	0	0	0	5
1:00	0	0	0	0	0	0	0	1	1	0	0	0	0	2
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	3	1	0	0	0	0	0	4
4:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
5:00	0	0	0	0	0	0	2	2	0	0	0	0	0	4
6:00	0	0	0	0	0	0	3	6	1	0	0	0	0	10
7:00	0	0	0	0	0	3	9	5	2	0	0	0	0	19
8:00	0	0	0	0	2	3	11	18	8	0	1	0	0	43
9:00	2	1	0	3	0	7	20	18	7	0	1	0	0	59
10:00	0	2	0	0	1	10	31	22	10	2	0	0	0	78
11:00	1	1	1	1	1	9	15	31	10	1	1	0	0	72
12:00 PM	1	3	1	0	8	10	28	21	12	1	0	0	0	85
1:00	0	0	0	1	3	4	31	29	2	1	0	0	1	72
2:00	0	2	0	0	2	12	28	24	5	2	0	0	0	75
3:00	0	2	1	0	2	14	27	30	8	5	1	0	0	90
4:00	0	4	0	0	5	11	29	20	5	0	0	0	0	74
5:00	1	0	0	0	4	5	28	26	9	1	1	0	0	75
6:00	0	0	0	0	2	6	16	17	8	1	0	0	0	50
7:00	0	0	0	1	0	3	20	13	7	0	0	1	0	45
8:00	0	0	0	0	0	3	10	13	2	1	0	0	0	29
9:00	0	0	0	1	2	6	4	1	1	0	0	0	0	15
10:00	0	0	0	1	0	0	3	1	1	0	0	0	0	6
11:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	5	15	3	8	34	106	321	301	99	15	5	1	1	914

Site Code: Station ID:		H20				Wino	oski, VT 0	5404			File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2: Direction: West, B	Betv	esburg Rd, R ween Wild Ap	ichmond VT ople Ln and L	ilac Knoll.							Start Date End Date:		6/10/2021 6/15/2021	
6/14/2021 Time 0 -		> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
3:00	0	0	0	0	0	1	2	1	0	0	0	0	0	4
4:00	0	0	0	1	0	0	1	0	0	0	0	0	0	2
5:00	0	0	0	0	0	0	4	4	1	0	1	0	0	10
6:00	1	0	0	1	0	1	7	9	4	3	3	0	0	29
7:00	0	0	0	1	2	9	33	33	21	4	1	0	0	104
8:00	0	0	0	0	1	7	21	26	16	5	0	0	0	76
9:00	0	0	0	0	1	5	21	18	11	1	1	0	0	58
10:00	0	0	0	1	0	3	20	16	10	3	0	0	0	53
11:00	0	0	0	0	5	5	14	13	4	0	1	0	0	42
12:00 PM	0	0	0	0	0	6	15	20	10	3	0	0	0	54
1:00	0	0	0	0	0	0	2	3	2	0	0	0	0	7
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0		0
Total	1	0	0	5	9	37	141	143	79	19	7	0		441
Grand Total	22	41	17	23	121	502	1504	1613	609	109	23	8	2	4594
Stats			Percentile	15th	50th	85th	95th							
			Speed	44.6	49.9	53.3								
		Mean Spee		45.0										
			Pace Speed	41-50										
			ber in Pace	3466										
			cent in Pace	67.0%										
			er > 45 MPH	2364										
		Percer	nt > 45 MPH	51.7%										

Site Code: Station ID: Location 1: Location 2: Direction: Combine	Hin Bet	CH20 esburg Rd, R ween Wild Ap	ichmond VT ople Ln and L	ilac Knoll		Winod	oski, VT 0	5404			File Name Date Print Start Date End Date:	ed: :	RICH20 6/22/2021 6/10/2021 6/15/2021	
6/10/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 - 1	15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	1
1:00	0	0	0	0	0	0	1	0	0	0	1	0	0	2
2:00	0	0	0	0	0	1	0	0	0	1	0	0	0	2
3:00	0	0	0	0	0	1	0	2	1	0	0	0	0	4
4:00	0	0	0	0	2	3	2	2	1	1	0	0	0	11
5:00	0	0	1	0	0	4	10	4	3	3	1	0	0	26
6:00	0	2	2	0	0	8	17	19	16	6	0	0	0	70
7:00	1	1	1	0	5	10	49	64	42	6	1	2	0	182
8:00	1	0	1	1	3	14	46	61	25	3	2	0	0	157
9:00	1	2	0	1	1	15	30	41	17	2	0	0	0	110
10:00	0	0	1	0	1	14	31	49	12	3	0	0	0	111
11:00	0	2	2	0	3	14	28	28	20	2	0	0	0	99
12:00 PM	0	1	2	0	2	25	48	34	16	2	0	0	0	130
1:00	0	1	4	1	1	10	41	43	9	2	0	0	0	112
2:00	1	1	0	0	3	14	59	57	18	2	0	0	0	155
3:00	0	0	4	0	5	18	80	75	22	3	1	0	0	208
4:00	0	5	0	1	1	9	68	89	18	4	0	0	0	195
5:00	2	1	2	1	3	12	67	83	28	5	0	1	0	205
6:00	3	3	0	0	3	15	36	66	27	2	1	0	0	156
7:00	1	0	1	0	4	10	40	36	15	3	0	0	1	111
8:00	0	2	0	0	0	10	27	30	7	0	0	0	0	76
9:00	0	0	0	0	2	11	11	13	6	1	1	0	0	45
10:00	0	0	0	0	0	3	6	9	2	0	0	0	0	20
11:00	0	0	0	0	0	2	2	7	<u> </u>	<u> </u>	0	0	0	13
Total	10	21	21	5	39	223	699	813	306	52	8	3	1	2201

Site Code: Station ID:	RIC	H20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1: Location 2:			Richmond VT pple Ln and I	ilac Knoll							Start Date End Date):	6/10/2021 6/15/2021	
Direction: Combined														
6/11/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 - 15	5 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	1	1	1	1	1	0	0	0	0	5
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	1	1	0	0	0	0	0	2
4:00	0	0	0	0	2	2	1	2	1	0	0	0	0	8
5:00	0	0	0	0	1	1	4	10	6	2	1	0	0	25
6:00	0	0	1	0	0	2	14	15	11	2	0	0	0	45
7:00	1	0	2	0	3	24	67	66	19	2	0	1	1	186
8:00	0	2	0	0	1	15	40	48	19	8	1	0	0	134
9:00	0	0	0	2	1	10	50	48	16	2	0	0	0	129
10:00	1	1	0	0	1	9	38	29	10	2	0	0	0	91
11:00	1	0	0	0	3	19	26	48	17	1	0	0	0	115
12:00 PM	0	0	1	0	4	13	41	52	23	4	2	2	0	142
1:00	0	2	2	0	7	12	52	54	16	4	0	0	0	149
2:00	0	0	0	0	1	17	52	62	23	2	0	1	0	158
3:00	0	0	1	1	1	21	61	69	27	1	3	0	0	185
4:00	2	1	3	0	9	20	75	87	24	7	0	0	0	228
5:00	1	1	1	1	2	14	61	72	36	6	1	1	0	197
6:00	1	1	0	2	2	17	34	52	13	0	0	1	0	123
7:00	1	1	0	0	2	4	46	41	4	2	1	0	0	102
8:00	1	0	4	1	1	8	35	26	5	1	0	1	0	83
9:00	0	0	0	0	1	5	18	14	8	1	0	0	0	47
10:00	0	0	1	0	1	4	14	7	4	0	0	0	0	31
11:00	0	0	0	0	1	1	6	5	2	0	0	0	0	15
Total	9	9	16	7	45	219	737	809	285	47	9	7	1	2200

110 W Canal St

Site Code: RICH20 Winooski, VT 05404 File Name: RICH20 Station ID: Date Printed: 6/22/2021 Hinesburg Rd, Richmond VT Location 1: Start Date: 6/10/2021 Location 2: Between Wild Apple Ln and Lilac Knoll End Date: 6/15/2021 **Direction: Combined** 6/12/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

Site Code: Station ID: Location 1:		H20)			Wino	oski, VT 0	5404			File Name Date Print Start Date	ed:	RICH20 6/22/2021 6/10/2021	
Location 1:	HIN Rot	esburg Rd, F ween Wild A	nchmona vi	iloo Knoll							End Date:		6/15/2021	
Direction: Combine		ween wiiu A	рріе спали і								Enu Dale.		0/15/2021	
6/13/2021	54	> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 -	15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	1	2	5	3	1	0	0	0	0	12
1:00	0	0	0	0	0	0	1	4	1	0	0	0	0	6
2:00	0	0	0	0	0	0	1	0	0	0	0	0	0	1
3:00	0	0	0	0	0	0	4	2	0	0	0	0	0	6
4:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
5:00	0	0	0	0	0	2	4	3	0	0	0	0	0	9
6:00	0	0	0	0	1	0	8	12	2	1	0	0	0	24
7:00	1	1	0	0	0	4	15	13	6	1	0	0	0	41
8:00	0	1	0	0	2	5	20	32	12	1	1	0	0	74
9:00	4	2	2	5	3	11	33	29	10	1	1	0	0	101
10:00	0	5	1	1	1	14	47	47	19	5	0	1	0	141
11:00	1	3	1	1	1	23	36	58	15	5	2	0	0	146
12:00 PM	2	4	5	3	11	22	58	37	20	4	1	0	0	167
1:00	1	0	2	3	6	17	60	47	10	1	0	0	1	148
2:00	3	2	0	2	2	24	58	52	17	2	0	0	0	162
3:00	0	5	1	1	4	24	57	69	12	6	1	0	0	180
4:00	1	5	1	1	6	12	54	58	16	3	1	0	0	158
5:00	1	1	0	1	4	9	51	64	17	3	1	0	0	152
6:00	0	0	1	1	2	14	45	38	17	2	0	1	0	121
7:00	0	1	0	1	0	7	38	29	12	1	0	1	0	90
8:00	0	0	0	0	0	7	25	22	6	2	0	0	0	62
9:00	0	0	0	2	2	9	14	3	3	0	0	0	0	33
10:00	0	0	0	1	0	1	7	2	2	0	0	0	0	13
11:00	0	0	0	0	0	2	2	0	1	0	0	0	0	5
Total	14	30	14	23	47	209	643	624	199	38	8	3	1	1853

Site Code: Station ID:		H20					oski, VT 0				File Name Date Print		RICH20 6/22/2021	
Location 1:	Hine	esburg Rd, R	ichmond VT								Start Date		6/10/2021	
Location 2:	Bet	ween Wild Ap	ople Ln and L	liac Knoll							End Date:		6/15/2021	
Direction: Combined														
6/14/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		-
Time 0 - 15 N		MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	2
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	1	0	0	1	0	0	0	2
3:00	0	0	0	0	1	1	2	1	0	0	0	0	0	5
4:00	0	0	0	1	0	1	1	0	0	0	0	0	0	3
5:00	0	0	0	0	0	5	10	4	5	0	1	0	0	25
6:00	1	0	1	1	0	1	7	21	6	3	3	0	0	44
7:00	0	0	0	1	4	21	60	56	25	5	1	0	0	173
8:00	0	0	0	0	1	9	38	47	26	6	0	0	0	127
9:00	0	0	0	0	2	12	34	35	15	1	2	0	0	101
10:00	0	0	0	1	2	9	36	25	15	3	0	0	0	91
11:00	0	0	0	0	6	10	42	26	6	2	1	0	0	93
12:00 PM	0	0	0	0	1	14	55	34	10	3	0	0	0	117
1:00	0	0	1	1	5	23	22	7	4	0	0	0	0	63
2:00	0	0	0	2	14	33	17	0	0	0	0	0	0	66
3:00	0	0	0	0	13	46	9	0	0	0	0	0	0	68
4:00	0	0	0	5	35	42	13	0	0	0	0	0	0	95
5:00	0	0	0	1	18	31	10	0	0	0	0	0	0	60
6:00	0	0	0	1	11	28	4	0	0	0	0	0	0	44
7:00	0	0	0	0	4	14	2	1	0	0	0	0	0	21
8:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
9:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
10:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	2	15	118	304	363	257	112	24	8	0	0	1204
Grand Total	46	84	71	57	290	1176	3088	3218	1174	211	38	16	6	9475
Stats			Percentile	15th	50th	85th	95th							
			Speed	44.6	49.9	53.3								
		Mean Spee		44.6										
		10 MPH F	Pace Speed	41-50										
		Num	ber in Pace	7137										
		Perc	cent in Pace	65.0%										
		Numbe	er > 45 MPH	4663										
			nt > 45 MPH	49.5%										

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: A to B, None Specified

7/15/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

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7/16/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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7/17/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: A to B, None Specified

7/19/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 > 15 - 20 > 20 - 25 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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7/20/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: A to B, None Specified

Percent in Pace

Number > 45 MPH

Percent > 45 MPH

65.0%

5535 72.2%

	ь, None Spe													
7/21/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		- / /
	0 - 15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM		0	0	0	0	0	0	1	1	0	1	0	0	3
1:00		0	0	0	0	0	0	0	1	0	0	0	0	1
2:00		0	0	0	0	0	0	0	0	0	1	0	0	1
3:00		0	0	0	0	0	0	0	0	0	0	0	0	0
4:00		0	0	0	0	0	0	0	0	0	0	0	0	0
5:00		0	0	0	0	0	0	2	0	1	0	0	0	3
6:00		0	0	0	0	0	0	1	0	0	0	0	0	1
7:00		0	0	0	0	0	0	0	0	0	0	0	0	0
8:00		0	0	0	0	0	0	0	0	0	0	0	0	0
9:00		0	0	0	0	0	0	0	0	0	0	0	0	0
10:00		0	0	0	0	0	0	0	0	0	0	0	0	0
11:00		0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0
1:00		0	0	0	0	0	0	0	0	0	0	0	0	0
2:00		0	0	0	0	0	0	0	0	0	0	0	0	0
3:00		0	0	0	0	0	0	0	0	0	0	0	0	0
4:00		0	0	0	0	0	0	0	0	0	0	0	0	0
5:00		0	0	0	0	0	0	0	0	0	0	0	0	0
6:00		0	0	0	0	0	0	0	0	0	0	0	0	0
7:00		0	0	0	0	0	0	0	0	0	0	0	0	0
8:00		0	0	0	0	0	0	0	0	0	0	0	0	0
9:00		0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	4	2		2	-	0	9
Grand Total	4	14	13	25	55	348	1675	3151	1837	413	97	18	19	7669
Stats			Percentile	15th	50th	85th	95th							
			Speed	42.7	47.6	52.4	56.2							
			ed (Average)	48.0										
		10 MPH	Pace Speed	45-54										
		Nun	nber in Pace	4985										
		_												

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: B to A, None Specified

7/15/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

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7/16/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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7/17/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 > 15 - 20 > 20 - 25 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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7/18/2021 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: B to A, None Specified

7/19/2021 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 15 - 20 > 20 - 25 > 25 - 30 > 65 - 70 MPH MPH > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: B to A, None Specified

7/20/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
	0 - 15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM		0	0	0	0	0	2	0	1	0	1	0	0	4
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	1	1	1	0	1	0	0	0	0	4
3:00	0	0	0	0	0	0	0	2	0	0	0	0	0	2
4:00	0	0	0	0	0	3	1	3	4	1	1	1	0	14
5:00	0	0	0	0	0	4	14	19	4	2	1	0	0	44
6:00	0	0	0	2	0	1	23	47	16	1	2	0	0	92
7:00	0	0	0	0	1	12	56	64	17	2	0	0	0	152
8:00	0	0	1	0	1	8	54	48	12	3	0	0	0	127
9:00	0	1	1	0	1	9	54	43	6	0	0	0	0	115
10:00	0	0	0	0	2	14	39	23	4	1	0	1	0	84
11:00	0	0	0	0	1	11	36	25	7	1	0	0	0	81
12:00 PM	0	0	0	1	0	9	30	39	8	2	0	0	0	89
1:00	0	0	0	0	0	9	28	28	7	2	0	0	0	74
2:00	0	0	0	0	1	7	39	32	5	0	0	0	1	85
3:00	0	0	0	0	1	10	37	42	12	0	0	0	1	103
4:00	0	2	0	0	1	7	46	26	16	2	1	0	0	101
5:00	0	0	0	0	2	3	43	32	11	1	0	0	0	92
6:00	0	0	0	0	3	9	18	27	8	0	1	0	0	66
7:00	0	0	0	2	10	10	15	10	0	0	0	0	0	47
8:00	0	0	0	0	0	2	3	1	0	0	0	0	0	6
9:00	0	0	0	0	0	0	2	0	1	1	0	0	0	4
10:00	0	0	0	0	0	1	4	1	0	1	0	0	0	7
11:00	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Total	0	3	2	5	25	130	545	513	140	20	7	2	2	1394

110 W Canal St Winooski, VT 05404

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7/21/2021 > 15 - 20 > 20 - 25 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 25 - 30 > 55 - 60 > 60 - 65 > 65 - 70 > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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 Grand Total Stats Percentile 15th 50th 85th 95th Speed 40.5 44.9 49.5 Mean Speed (Average) 45.2 10 MPH Pace Speed 40-49

Number in Pace5754Percent in Pace74.1%Number > 45 MPH3867Percent > 45 MPH49.8%

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: Combined

7/15/2021 > 15 - 20 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 20 - 25 > 25 - 30 > 65 - 70 Time 0 - 15 MPH MPH MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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7/17/2021 > 15 - 20 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 20 - 25 > 25 - 30 > 65 - 70 Time 0 - 15 MPH MPH MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

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Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: Combined

7/18/2021 > 15 - 20 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 20 - 25 > 25 - 30 > 65 - 70 Time 0 - 15 MPH MPH MPH MPH > 70 MPH MPH MPH MPH MPH MPH MPH MPH MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: Combined

7/19/2021 > 15 - 20 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 20 - 25 > 25 - 30 > 65 - 70 Time 0 - 15 MPH MPH MPH MPH > 70 MPH MPH MPH MPH MPH MPH MPH MPH MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: Combined

7/20/2021 > 15 - 20 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 20 - 25 > 25 - 30 > 65 - 70 Time 0 - 15 MPH MPH MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

Site Code: RICH30 Station ID: RICH30 Location 1: Huntington Rd, Richmond VT Location 2: Between Grandview Dr & Pinetree Rd, 45 MPH Direction: Combined

7/21/2021 > 15 - 20 > 20 - 25 > 35 - 40 > 50 - 55 > 25 - 30 > 30 - 35 > 40 - 45 > 45 - 50 > 55 - 60 > 60 - 65 > 65 - 70 > 70 MPH Time 0 - 15 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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 Grand Total Stats Percentile 15th 50th 85th 95th Speed 46.2 51.2 54.8 41.4 Mean Speed (Average) 46.6 10 MPH Pace Speed 40-49 Number in Pace

 Percent in Pace
 68.2%

 Number > 45 MPH
 9402

 Percent > 45 MPH
 60.9%

110 W Canal St

RICH21 Site Code: Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: South, A to B 6/17/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 0 * * * * * 1:00 * * * * * * * * 0 * * * * * * * 2:00 * * * * * * 0 * * * * * * * * * * * * 3:00 * 0 4:00 * * * * * * * * * * * * * 0 5:00 * * * * * * * * * * * * 0 * * * * 6:00 * * * + * * * * * 0 7:00 * * * * * * * * * * * * * 0 8:00 * * * * * * * * 0 9:00 * * * * * * * * * * * * 0 * * * * * * * * * * * * 0 10:00 * 11:00 * * * * 0 * 12:00 PM * * * * * * * * * * * * 0 1:00 * * * * * * * * * * * * * 0 * * * * * * * * 2:00 * * * 0 2 7 0 0 0 0 0 3:00 1 0 4 12 4 0 30 4:00 2 0 1 12 14 3 0 0 0 0 0 0 2 34 2 22 2 5:00 1 0 10 6 1 0 0 0 0 0 44 6:00 0 0 5 9 0 0 0 0 0 0 0 19 1 4 7:00 0 0 5 0 0 0 0 0 13 1 4 1 1 1 2 8:00 0 3 4 3 0 0 0 0 0 0 1 0 13 9:00 0 2 1 1 1 0 0 0 0 0 0 7 1 1 0 10:00 0 0 0 3 0 0 0 0 0 0 0 4 1 11:00 0 0 0 1 0 0 1 0 0 0 0 0 3 1 Total 8 1 12 39 70 21 8 0 0 0 2 5 167 1

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: South, A to B 6/18/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: South, A to B 6/19/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

File Name:

Start Date:

End Date:

Date Printed:

RICH21 TRAX

6/28/2021

6/17/2021

6/21/2021

Kenyon Rd, Richmond VT On Utility pole, 35 MPH Location 2: Direction: South, A to B

RICH21

6/20/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

Site Code: Station ID: Location 1:

110 W Canal St

0

0

1

1

0

7

25

29

36

22

29

24

15

0

0

0

0

0

0

0

0

0

0

0

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: South, A to B 6/21/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 0 0 0 0 0 0 0 0 0 0 0 0 0 1:00 0 0 0 0 0 0 0 0 0 0 0 0 0 2:00 0 0 0 0 0 0 0 0 0 0 0 0 1 3:00 0 0 0 0 1 0 0 0 0 0 0 0 0 4:00 0 0 0 0 0 0 0 0 0 0 0 0 0 5:00 0 0 0 2 2 2 0 1 0 0 0 0 0 6:00 0 0 1 6 12 4 2 0 0 0 0 0 0 3 9 2 0 0 0 7:00 1 0 14 0 0 0 0 8:00 0 1 4 14 12 4 1 0 0 0 0 0 0 3 0 9:00 0 0 1 9 9 0 0 0 0 0 0 6 0 0 0 10:00 0 0 8 11 4 0 0 0 0 11:00 1 3 9 7 2 1 0 0 0 0 0 0 1 12:00 PM 0 0 3 7 1 0 0 0 0 0 0 0 4 1:00 0 0 0 0 0 0 0 0 0 0 0 0 0 2:00 * 3:00 4:00 * 5:00 * * * * * * * * * * * 6:00 * * * * * * * * * * * * 7:00 * * * * * * * * * * * * 8:00 * * * * * * * * * * 9:00 * * * * * * * 10:00 11:00 * * * * * * * * * * * * * 2 2 23 68 67 22 0 0 0 0 189 Total 4 1 0 1534 Grand Total 47 30 125 493 549 205 52 13 3 2 3 11 1 95th 15th 50th 85th Stats Percentile Speed 31.2 36.5 40.2 32.0 Mean Speed (Average) 10 MPH Pace Speed 27-36 1089 Number in Pace Percent in Pace 69.0% Number > 35 MPH 290 Percent > 35 MPH 19.5%

110 W Canal St

RICH21 Site Code: Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: North, B to A 6/17/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 0 * * * * * 1:00 * * * * * * * * 0 * * * * * * * 2:00 * * * * * * 0 * * * * * * * * * * * * 3:00 * 0 4:00 * * * * * * * * * * * * * 0 5:00 * * * * * * * * * * * * 0 * * * * 6:00 * * * + * * * * * 0 7:00 * * * * * * * * * * * * * 0 8:00 * * * * * * * * 0 9:00 * * * * * * * * * * * * 0 * * * * * * * * * * * * 0 10:00 * 11:00 * * * * 0 * 12:00 PM * * * * * * * * * * * * 0 1:00 * * * * * * * * * * * * * 0 * * * * * * * * 0 2:00 * * * * 2 6 8 3 0 0 0 0 25 3:00 1 0 4 1 0 4:00 1 0 2 7 9 8 3 0 0 0 0 0 0 30 2 2 12 35 5:00 0 6 12 0 1 0 0 0 0 0 6:00 0 0 1 2 9 0 0 0 0 0 18 4 1 1 7:00 4 2 2 3 2 0 0 0 3 20 1 1 1 1 2 3 9 8:00 1 1 1 1 0 0 0 0 0 0 0 9:00 3 2 2 5 2 0 0 1 0 0 0 0 0 15 2 0 9 10:00 1 1 0 5 0 0 0 0 0 0 0 11:00 1 2 3 0 0 0 0 0 0 0 9 1 1 1 170 Total 14 9 16 32 44 38 8 3 2 0 0 3 1

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: North, B to A 6/18/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: North, B to A 6/19/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St Winooski, VT 05404

RICH21 TRAX

6/28/2021 6/17/2021

6/21/2021

File Name:

Start Date:

End Date:

Date Printed:

 Site Code:
 RICH21
 Winooski, VT C

 Station ID:
 Location 1:
 Kenyon Rd, Richmond VT

 Location 2:
 On Utility pole, 35 MPH

 Direction: North, B to A

 6/20/2021
 > 15 - 20
 > 20 - 25
 > 25 - 30
 > 30 - 35
 > 35 - 40
 > 40 - 45

 Time 0 - 15 MPH
 MPH
 MPH
 MPH
 MPH
 MPH
 MPH

 12:00 AM
 0
 0
 0
 1
 2
 1
 0

6/20/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
	- 15 MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	1	2	1	0	0	0	0	0	0	0	4
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00	0	0	0	0	1	0	1	0	0	0	0	0	0	2
7:00	0	0	0	2	2	2	1	0	0	0	0	0	0	7
8:00	0	2	0	3	2	2	1	0	0	0	0	0	0	10
9:00	1	0	3	2	7	2	0	0	0	0	0	0	0	15
10:00	0	0	0	8	15	6	1	0	0	0	0	0	0	30
11:00	0	1	4	7	14	8	0	0	0	0	0	0	0	34
12:00 PM	1	0	3	4	15	2	0	0	0	0	0	0	0	25
1:00	0	0	2	0	9	3	3	0	0	0	0	0	0	17
2:00	0	4	3	10	16	2	0	0	0	0	0	0	0	35
3:00	0	1	2	14	12	4	1	0	0	0	0	0	0	34
4:00	0	1	1	8	12	5	1	0	1	0	0	0	0	29
5:00	0	2	2	4	15	2	0	0	0	0	0	0	0	25
6:00	1	0	0	4	6	4	1	1	0	0	0	0	0	17
7:00	0	1	2	5	11	4	0	0	0	0	0	0	0	23
8:00	1	1	4	5	15	4	0	0	0	0	0	0	0	30
9:00	0	0	2	4	9	2	1	0	0	0	0	0	0	18
10:00	0	0	0	0	3	1	0	1	0	0	0	0	0	5
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4	13	28	81	167	54	11	2	1	0	0	0	0	361

110 W Canal St

2

3

0

0

1

3

10

15

19

26

0

0

0

0

0

0

0

0

0

0

0

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: North, B to A 6/21/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 0 0 0 0 2 0 0 0 0 0 0 0 0 1:00 0 0 0 1 1 1 0 0 0 0 0 0 0 2:00 0 0 0 0 0 0 0 0 0 0 0 0 0 3:00 0 0 0 0 0 0 0 0 0 0 0 0 0 4:00 0 0 0 0 0 0 0 0 0 0 0 0 1 5:00 0 0 0 1 0 1 1 0 0 0 0 0 0 6:00 0 0 0 1 5 3 1 0 0 0 0 0 0 0 0 5 5 0 0 0 7:00 0 4 1 0 0 0 8:00 0 0 2 4 7 5 1 0 0 0 0 0 0 12 5 0 21 9:00 0 0 0 4 0 0 0 0 0 0 2 3 0 0 0 0 10:00 0 1 1 5 1 0 0 13 11:00 1 0 7 3 1 0 0 0 0 0 0 17 1 4 12:00 PM 0 2 7 12 4 0 0 0 0 0 0 0 1 1:00 0 0 0 0 0 0 0 0 0 0 0 0 0 * * 2:00 * * * * * * * * * * * * * * * * * * * 3:00 4:00 * 5:00 * * * * * * * * * * * 6:00 * * * * * * * * * * * * 7:00 * * * * * * * * * * * * 8:00 * * * * * * * * * * * 9:00 * * * * * * * 10:00 11:00 * * * * * * * * * * * * * 130 2 6 28 54 33 5 0 0 0 0 Total 1 1 0 Grand Total 40 38 103 287 517 326 69 7 2 0 5 1399 4 1 95th 15th 50th 85th Stats Percentile Speed 31.2 36.5 40.2 32.7 Mean Speed (Average) 10 MPH Pace Speed 28-37 930 Number in Pace Percent in Pace 64.0% Number > 35 MPH 414 Percent > 35 MPH 30.5%

110 W Canal St

RICH21 Site Code: Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: Direction: Combined 6/17/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 0 * * * * * 1:00 * * * * * * * * 0 * * * * * * * 2:00 * * * * * * 0 * * * * * * * * * * * * 3:00 * 0 4:00 * * * * * * * * * * * * * 0 5:00 * * * * * * * * * * * * 0 * * * * 6:00 * * * + * * * * * 0 7:00 * * * * * * * * * * * * * 0 8:00 * * * * * * * 0 9:00 * * * * * * * * * * * * 0 * * * * * * * * * * * * 0 10:00 * 11:00 * * * * * 0 * * 12:00 PM * * * * * * * * * * * 0 1:00 * * * * * * * * * * * * * 0 * * * * * * * * * 2:00 * * * 0 2 6 8 20 7 0 0 0 0 55 3:00 0 11 1 0 4:00 3 0 3 19 23 11 3 0 0 0 0 0 2 64 2 3 2 2 79 5:00 16 34 18 1 1 0 0 0 0 6:00 0 0 2 7 18 8 0 0 0 0 0 37 1 1 7:00 2 3 7 2 0 0 33 4 7 1 1 1 1 4 6 5 0 22 8:00 4 1 4 1 0 0 0 0 1 0 9:00 2 6 3 1 1 0 0 0 0 0 22 4 4 1 2 0 3 13 10:00 1 1 5 1 0 0 0 0 0 0 11:00 3 2 3 0 0 0 0 0 0 12 1 1 1 1 22 337 Total 10 28 71 114 59 16 4 2 0 2 8 1

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: **Direction: Combined** 6/18/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: **Direction: Combined** 6/19/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

110 W Canal St

Site Code: RICH21 Winooski, VT 05404 File Name: RICH21 TRAX Station ID: Date Printed: 6/28/2021 Kenyon Rd, Richmond VT Location 1: Start Date: 6/17/2021 On Utility pole, 35 MPH 6/21/2021 Location 2: End Date: **Direction: Combined** 6/20/2021 > 15 - 20 > 20 - 25 > 25 - 30 > 30 - 35 > 35 - 40 > 40 - 45 > 45 - 50 > 50 - 55 > 55 - 60 > 60 - 65 > 65 - 70 Time 0 - 15 MPH > 70 MPH Total 12:00 AM 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 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

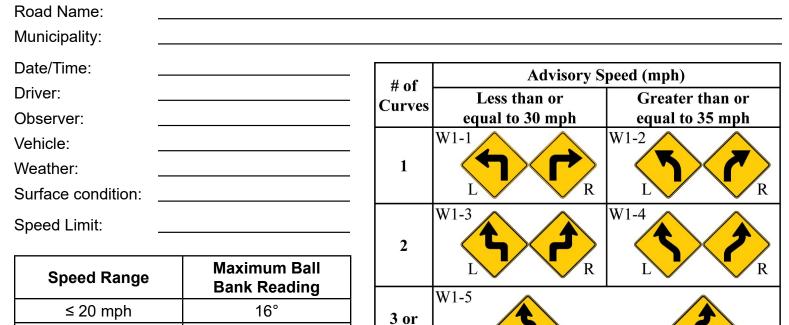
Total

110 W Canal St <u>،</u> .

Site Code: Station ID:		CH21					oski, VT 0				File Name Date Print	ed:	RICH21_TR 6/28/2021	AX
Location 1: Location 2: Direction: Combined		nyon Rd, Rich Utility pole, 3									Start Date End Date:		6/17/2021 6/21/2021	
6/21/2021		> 15 - 20	> 20 - 25	> 25 - 30	> 30 - 35	> 35 - 40	> 40 - 45	> 45 - 50	> 50 - 55	> 55 - 60	> 60 - 65	> 65 - 70		
Time 0 - 15	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	0	2
1:00	0	0	0	1	1	1	0	0	0	0	0	0	0	3
2:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
3:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
4:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5:00	0	0	0	3	2	3	1	1	0	0	0	0	0	10
6:00	0	0	1	7	17	7	3	0	0	0	0	0	0	35
7:00	1	0	3	13	19	7	1	0	0	0	0	0	0	44
8:00	0	1	6	18	19	9	2	0	0	0	0	0	0	55
9:00	0	0	1	13	21	8	0	0	0	0	0	0	0	43
10:00	0	1	9	13	11	7	0	0	1	0	0	0	0	42
11:00	2	1	4	13	14	5	2	0	0	0	0	0	0	41
12:00 PM	1	0	5	14	16	5	0	0	0	0	0	0	0	41
1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
3:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
4:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
5:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
6:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
7:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
8:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
9:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	0
Total	4	3	29	96	121	55	9		1	0	0	0	0	319
Grand Total	87	68	228	780	1066	531	121	20	7	4	2	3	16	2933
Stats			Percentile	15th	50th	85th	95th							
			Speed	31.2	36.5	40.2								
		Mean Spee		32.4										
			Pace Speed	27-36										
			nber in Pace	1998										
			cent in Pace	66.0%										
			er > 35 MPH	704										
		Percer	nt > 35 MPH	24.7%										

Ball-Banking Data Sheet

BALL BANK WORKSHEET



more

14°

12°

25-30 mph

≥ 35 mph

Curve No.	Existing Advisory Speed (mph)	Driving		New Advisory									
		Direction	15	20	25	30	35	40	45	50	55	60	Speed (mph)
					Ì						Ì	Ì	