

# Southern Windsor County 2016 Traffic Count Program Summary

April 2017



The Southern Windsor County Regional Planning Commission (the “RPC”) has been monitoring traffic at 19 locations throughout the southern Windsor County region (the “Region”) since 1999, with additional counts performed as needed. In 2016 the RPC added an additional 6 locations to their regular counting schedule.

Each location is typically surveyed for one to two weeks (longer if possible), avoiding periods of irregular traffic flows, such as July 4<sup>th</sup> or Labor Day weekend. Traffic is monitored through the use of automatic traffic counters, which track three types of traffic related data:

- Traffic volume (number of vehicle trips at a specified location);
- Vehicle classification (passenger car, pick-up truck, tractor trailer, etc.); and
- Approximate speed of the vehicles.

The RPC collects and analyzes the traffic data as part of their annual transportation program. This information is valuable in understanding traffic flow trends over time and to support the decision-making process related to road maintenance and project development. The Vermont Agency of Transportation (VTrans) has a large, statewide traffic count program. VTrans counters are typically placed out at each location once every three or six years. The RPC traffic count program is intended to supplement VTrans’ traffic data in this Region. The RPC also performs traffic counts at the request of towns on a limited first-come, first-served basis.

## 2016 Traffic Counts

In 2016, the following counts were carried out in the region. Raw data for these traffic counts are available upon request from SWCRPC.

### Regularly monitored locations

RPC ID	VTrans ID	Town	Route/Road	Location	AADT <sup>1</sup>
102*	Y700	CAVENDISH	VT 131	50' WEST OF POWER PLANT ROAD (TH68)	2,200
111	Y030	WEATHERSFIELD	US 5	500' SOUTH OF WILGUS STATE PARK ENTRANCE	1,500
113	Y353	WEST WINDSOR	BROWNSVILLE-HARTLAND RD (TH 1)	0.6 MILES NORTH OF VT 44	1,000
114	Y739	WEATHERSFIELD	CENTER RD (TH 1)	50' SOUTH OF JEFFREY LANE (TH 98)	1,300
116	Y708	WINDSOR	US 5	100' NORTH OF CEDAR HILL DR (PVT RD)	2,900
118	Y365	CAVENDISH	TWENTY MILE STREAM RD (TH 3)	0.5 MILE NORTH OF VT 131	500

<sup>1</sup> AADT calculations were carried out in the new VTrans Traffic Data Management System (<http://vtrans.ms2soft.com>)

## Requested locations

RPC ID	VTrans ID	Town	Route/Road	Location	AADT
200	YYBU	WEST WINDSOR	Cemetery Rd (TH-4)	800ft west of Brownsville Hartland Road (TH-1) (just past 147 Cemetery Road)	200
201	Y425	CAVENDISH	VT-131 (Main St)	450ft east of Depot St (TH 1)	3,300
202	Near YXRP	WEATHERSFIELD	Quarry Road (TH-21) (Class 4 Town Highway section)	1.2 miles west of VT-106 (just east of driveway for 1147, 1145 and 1161 Quarry Road. A few feet east of culvert and Baltimore townline)	ADT 26
203	YYBS	CHESTER	Elm St (TH-70)	500ft east of Depot St (VT-103) (next to 461 Elm St)	800
204	Y061	CHESTER	Depot St (VT-103)	850ft north of Elm St (TH-70) (just south of 541 First Ave driveway)	4,200
205	Y200	CHESTER	Depot St (VT-103)	550ft south of Elm St (TH-70) (next to 485 Depot St)	4,100
206	None	LUDLOW	Buttermilk Falls Rd (TH-53)	150ft south of Rod and Gun Club Road (TH-14)	300

Traffic count data is also collated and collected by the Vermont Agency of Transportation (VTrans). Traffic Count reports are published online in two locations (both state and SWCRPC counts):

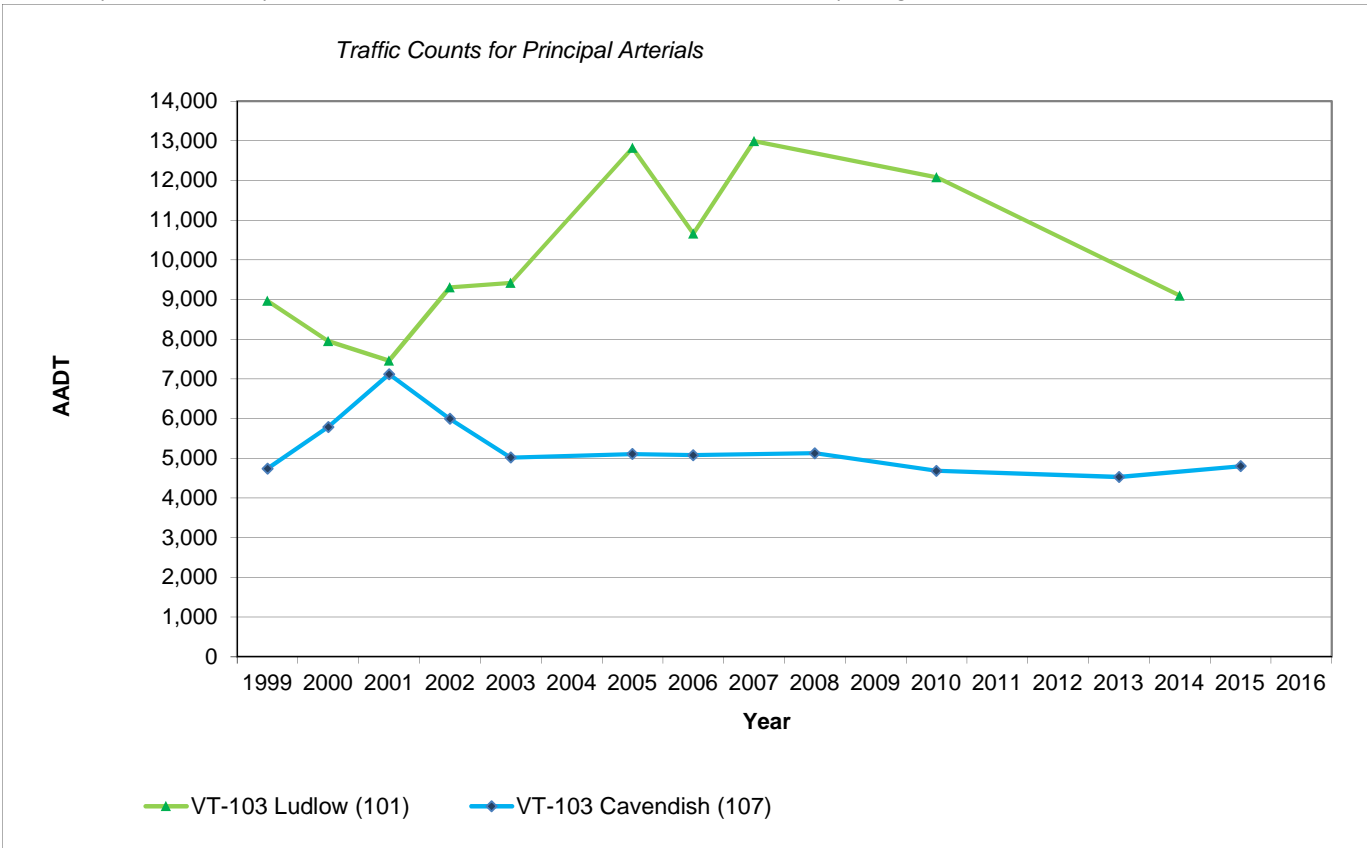
- VTrans Traffic Research Publications (<http://vtrans.vermont.gov/operations/technical-services/traffic>).
  - Most count locations have basic traffic count data available in the “Automatic Traffic Recorder Station History” reports
  - Some count locations also have information about what type of vehicles (cars, motorcycles, buses and trucks) used the roads (“Automatic Vehicle Classification Reports”).
  - One of the counters in Ludlow is permanently collecting data (P6Y209 – on Okemo Mountain Road 300ft from VT103). Data for this site is available online at <http://vtrans.vermont.gov/operations/technical-services/traffic>
- VTrans Traffic Data Management System (<http://vtrans.ms2soft.com>)
  - Counts from all locations are available.
  - The database is searchable and has an online map.
  - Includes summary data (eg AADT), as well as data for individual days and hours.
  - Includes traffic counts, speed data and turning movement counts

## Traffic Count History for Routine Count Locations

The following graphs show traffic volumes by year at each location where traffic counts are performed regularly. The tables are organized by the functional classification of each roadway.

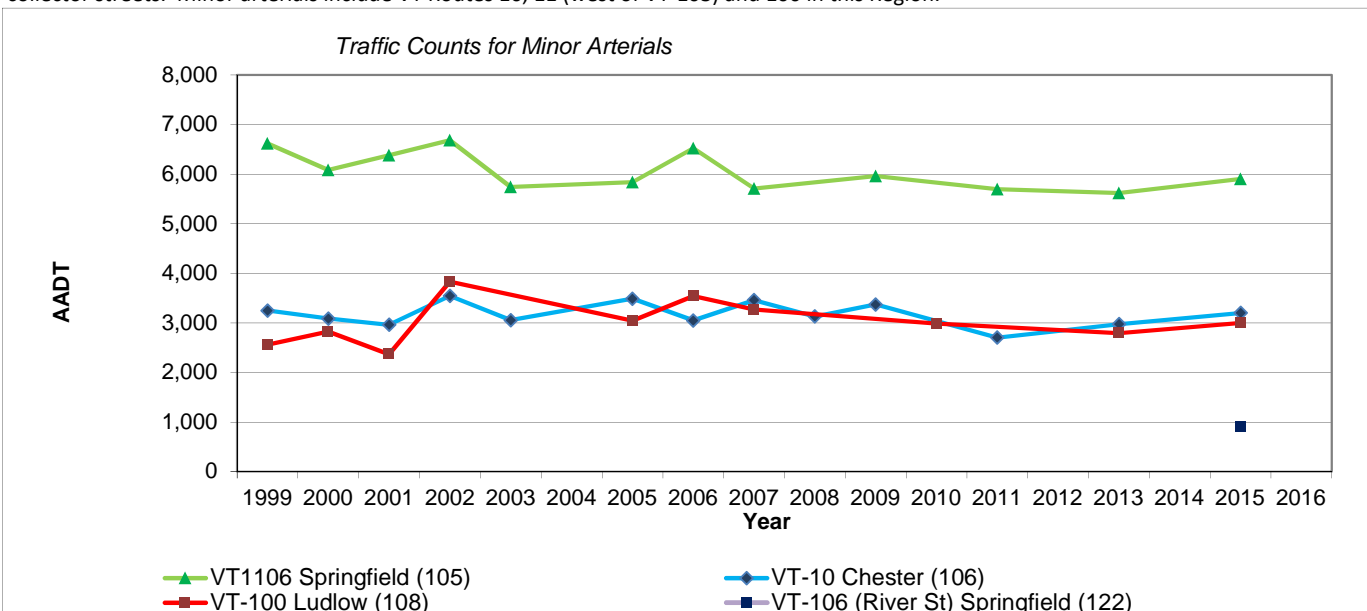
### Principal Arterial

Principal Arterial roads are designed to carry large volumes of traffic for long distances, and include I-91 and VT Route 103 in this Region. They are usually characterized by controlled access, channelized intersections and restricted parking, and link Minor Arterials.



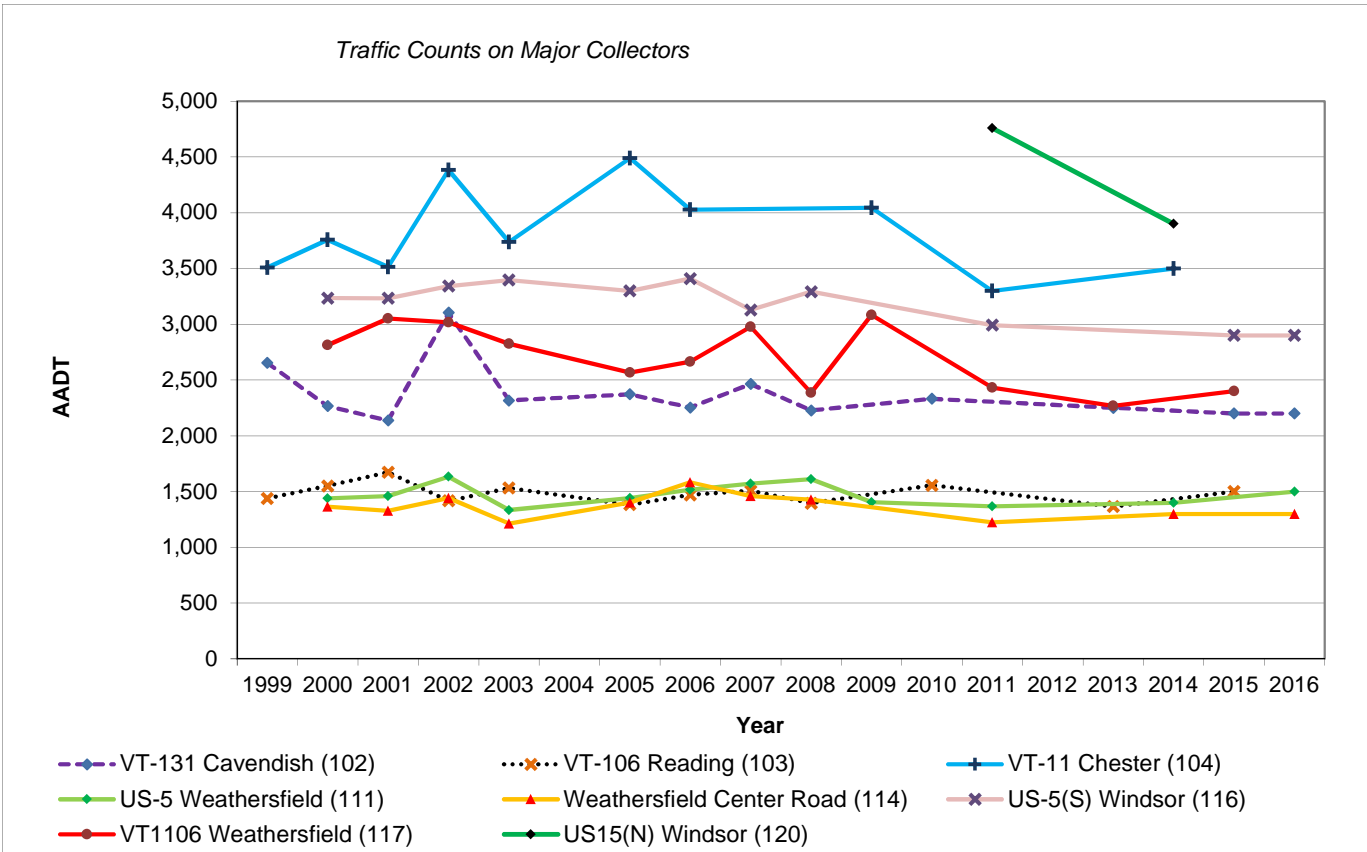
### Minor Arterial

Minor Arterial roads usually have signals or stop signs at intersection with side streets, and function primarily to distribute traffic to and from collector streets. Minor arterials include VT Routes 10, 11 (west of VT-103) and 100 in this Region.



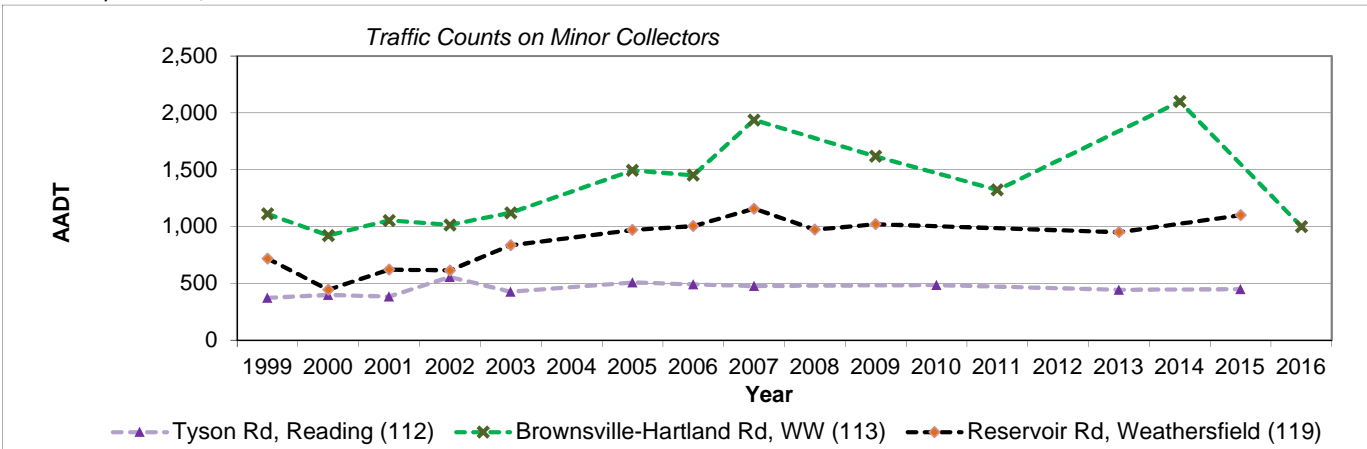
**Major Collector**

Collector roads channel traffic from lesser traveled roads to the arterial system. Major collectors generally serve traffic between towns and communities, and include US Route 5, VT Routes 106 and 131, and certain local roads including Weathersfield Center Road and Grafton Road.



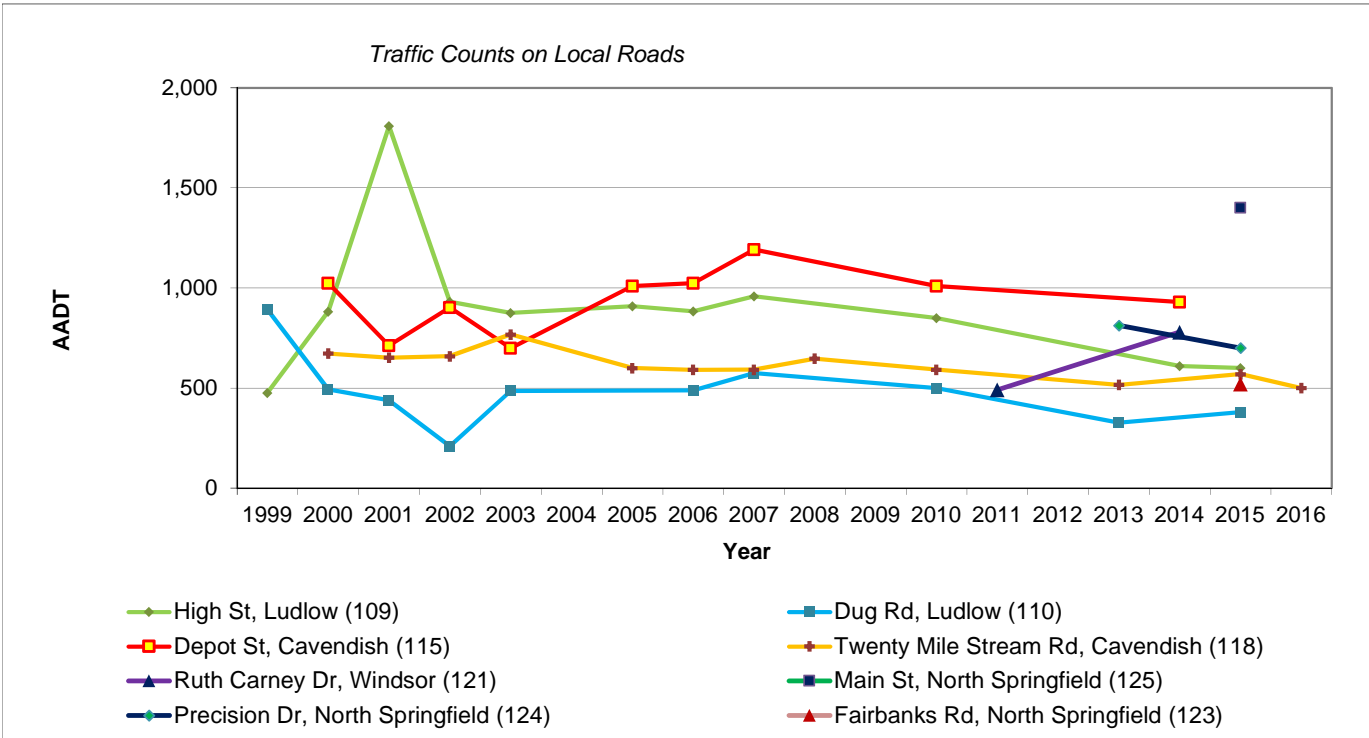
**Minor Collector**

Minor collectors generally collect traffic from local roads and bring all developed areas within a reasonable distance of a collector road. This includes Tyson Road, Brownsville-Hartland Road and Reservoir Road.



*Local Roads*

Local roads primarily provide access to adjacent lands, and generally have limited through traffic. Local roads surveyed in this program are typically Class 2 town highways which serve as important links between communities.



## Traffic Terms and Abbreviations

**AADT** - Annual Average Daily Traffic is the term used to show the average traffic volume in both directions on a section of road, adjusted for seasonal variation. VTrans recommended methodology and adjustment factors have been used to determine the AADT at each location.

**ADT** – Average Daily Traffic is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.

**Average Weekday Traffic** – Average Weekday Traffic is similar to ADT, however, excludes weekend traffic volumes.

**Average Weekend Traffic** – Average Weekend Traffic is the unadjusted, average number of vehicles on weekend days only.

**Direction of Travel** – Some data are summarized based on the generalized direction of travel on a roadway: northbound (NB), southbound (SB), eastbound (EB) or westbound (WB).

**Vehicle Classification** – The type of vehicle is based on the Federal Highway Administration's (FHWA) 13 separate classes of vehicles. For the purposes of this report, vehicle class is summarized into three groups:

- **Passenger Vehicles** - Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Classes 1-3)
- **Single-Unit Trucks** - Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle single-unit trucks (FHWA Classes 4-7; also called medium-duty trucks or “mediums”)
- **Tractor Trailer Trucks** - Tractor-trailer truck class includes heavy-duty vehicles with four or more axles; a semi-tractor pulling a trailer(s), i.e. a “semi” or “18-wheeler” (FHWA Classes 8-13 or “heavies”)

**Vehicle Speed** – Vehicular speed of travel is measured in miles per hour (mph), and for the purpose of this report is described in three ways:

- **Median Speed** – Statistical measurement based on the 50<sup>th</sup> percentile vehicle speed at the specified location. One-half of the vehicles in the sample travel faster, and one-half travel slower than the median speed.
- **Average Speed** – Average or mean travel speed of all vehicles at a specified location.
- **85<sup>th</sup> Percentile Speed** – The speed below which 85 percent of motorists travel at a specified location. The 85<sup>th</sup> percentile speed is typically used by transportation engineers as the basis for setting the posted speed limit, although other factors should also be considered.

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: CAV102  
VTrans ID: Y700

Time Period: 8/10/2016 through 8/24/2016  
Count ID: CAV101CLS/SPD  
Town: Town of Cavendish  
Road: VT-131  
Location: 50ft west of Power Plant Rd (TH-68)  
GPS Coordinates: -72.60252 43.38674  
Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y700](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y700)

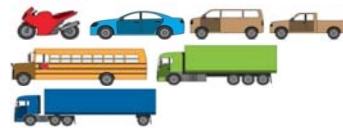
Westbound (top) and eastbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	2,498	11
Average Weekend Traffic	2,425	4
Average Daily Traffic (1)	2,478	15
Annual Average Daily Traffic (2)	2,200	

	Vehicle Speeds (mph)	
	Westbound	Eastbound
Posted Speed Limit	35 mph	
Average	46 mph	42 mph
85th Percentile	52 mph	47 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	30,290	81.5%
Single-Unit Trucks (4)	5,839	15.7%
Tractor-Trailer Trucks (5)	1,046	2.8%
<b>Total</b>	<b>37,175</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	WB	EB	Total (7)
W 8/10/2016	1,230	1,193	2,423
T 8/11/2016	1,282	1,223	2,505
F 8/12/2016	1,337	1,272	2,609
S 8/13/2016	1,291	1,272	2,563
S 8/14/2016	1,116	1,244	2,360
M 8/15/2016	1,153	1,160	2,313
T 8/16/2016	1,152	1,192	2,344
W 8/17/2016	1,283	1,288	2,571
T 8/18/2016	1,256	1,273	2,529
F 8/19/2016	1,461	1,353	2,814
S 8/20/2016	1,334	1,306	2,640
S 8/21/2016	1,003	1,134	2,137
M 8/22/2016	1,159	1,173	2,332
T 8/23/2016	1,183	1,211	2,394
W 8/24/2016	1,326	1,315	2,641
<b>Total</b>	<b>18,566</b>	<b>18,609</b>	<b>37,175</b>
<b>Average Daily</b>	<b>1,238</b>	<b>1,241</b>	<b>2,478</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	2,200
2015	2,200
2013	2,250
2010	2,333
2008	2,227
2007	2,465
2006	2,254
2005	2,373
2003	2,316
2002	3,104
2001	2,137
2000	2,267
1999	2,654

NOTES:

- (1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.
- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y700](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y700)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WEA111  
VTrans ID: Y030

Time Period: 6/10/2016 through 6/26/2016  
 Count ID: WEA111CLS/SPD  
 Town: Town of Weathersfield  
 Road: US-5  
 Location: 500ft south of Wilgus State Park Entrance  
 GPS Coordinates: -72.40945 43.38783  
 Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y030](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y030)

Northbound (top) and southbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	1,647	11
Average Weekend Traffic	1,728	6
Average Daily Traffic (1)	1,675	17
Annual Average Daily Traffic (2)	1,500	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	40 mph	
Average	44 mph	47 mph
85th Percentile	49 mph	53 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	25,667	90.1%
Single-Unit Trucks (4)	2,448	8.6%
Tractor-Trailer Trucks (5)	364	1.3%
<b>Total</b>	<b>28,479</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	NB	SB	Total
F 6/10/2016	924	928	1,852
S 6/11/2016	837	833	1,670
S 6/12/2016	751	779	1,530
M 6/13/2016	733	764	1,497
T 6/14/2016	766	818	1,584
W 6/15/2016	824	847	1,671
T 6/16/2016	781	835	1,616
F 6/17/2016	866	920	1,786
S 6/18/2016	967	986	1,953
S 6/19/2016	863	925	1,788
M 6/20/2016	757	780	1,537
T 6/21/2016	760	789	1,549
W 6/22/2016	752	766	1,518
T 6/23/2016	775	836	1,611
F 6/24/2016	957	934	1,891
S 6/25/2016	865	915	1,780
S 6/26/2016	772	874	1,646
<b>Total</b>	<b>13,950</b>	<b>14,529</b>	<b>28,479</b>
<b>Average Daily</b>	<b>821</b>	<b>855</b>	<b>1,675</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	1,500
2014	1,400
2011	1,368
2009	1,406
2008	1,612
2007	1,572
2006	1,517
2005	1,442
2003	1,334
2002	1,633
2001	1,460
2000	1,439

NOTES:

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- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y030](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y030)



**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WW113  
VTrans ID: Y353

Time Period: 6/10/2016 through 6/26/2016  
Count ID: WW113CLS/SPD  
Town: Town of West Windsor  
Road: Brownsville Hartland Road (TH-1)  
Location: 0.6 miles north of VT-44  
GPS Coordinates: -72.47284 43.47733  
Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y353](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y353)

Northbound (top) and southbound (bottom) from count  
(Photos from Google Maps 2016)



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	1,121	11
Average Weekend Traffic	976	6
Average Daily Traffic (1)	1,070	17
Annual Average Daily Traffic (2)	1,000	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	40 mph	
Average	45 mph	50 mph
85th Percentile	38 mph	43 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	15,653	86.1%
Single-Unit Trucks (4)	2,251	12.4%
Tractor-Trailer Trucks (5)	280	1.5%
<b>Total</b>	<b>18,184</b>	<b>100.0%</b>

Day Date	Vehicle Volumes		
	NB	SB	Total
F 6/10/2016	581	566	1,147
S 6/11/2016	532	547	1,079
S 6/12/2016	408	441	849
M 6/13/2016	544	530	1,074
T 6/14/2016	559	531	1,090
W 6/15/2016	584	569	1,153
T 6/16/2016	553	507	1,060
F 6/17/2016	592	592	1,184
S 6/18/2016	546	564	1,110
S 6/19/2016	448	453	901
M 6/20/2016	577	555	1,132
T 6/21/2016	562	569	1,131
W 6/22/2016	556	544	1,100
T 6/23/2016	563	547	1,110
F 6/24/2016	556	589	1,145
S 6/25/2016	523	530	1,053
S 6/26/2016	411	455	866
<b>Total</b>	<b>9,095</b>	<b>9,089</b>	<b>18,184</b>
<b>Average Daily</b>	<b>535</b>	<b>535</b>	<b>1,070</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	1,000
2014	2,100
2011	1,322
2009	1,618
2007	1,938
2006	1,452
2005	1,495
2003	1,121
2002	1,014
2001	1,054
2000	922
1999	1,111

NOTES:

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- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y353](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y353)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WEA114  
VTrans ID: Y739

Time Period: 6/10/2016 through 6/26/2016  
Count ID: WEA114CLS/SPD  
Town: Town of Weathersfield  
Road: Weathersfield Center Road (TH-1)  
Location: 50ft south of Jeffrey Lane (TH-98)  
GPS Coordinates: -72.46344 43.39378  
Paved or unpaved? Paved

[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y739](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y739)

Northbound (top) and southbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	1,579	11
Average Weekend Traffic	1,402	6
Average Daily Traffic (1)	1,517	17
Annual Average Daily Traffic (2)	1,300	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	40 mph	
Average	45 mph	50 mph
85th Percentile	46 mph	51 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	22,319	86.6%
Single-Unit Trucks (4)	3,338	12.9%
Tractor-Trailer Trucks (5)	126	0.5%
<b>Total</b>	<b>25,783</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	NB	SB	Total (7)
F 6/10/2016	855	843	1,698
S 6/11/2016	594	611	1,205
S 6/12/2016	525	586	1,111
M 6/13/2016	741	728	1,469
T 6/14/2016	744	764	1,508
W 6/15/2016	846	866	1,712
T 6/16/2016	781	830	1,611
F 6/17/2016	845	843	1,688
S 6/18/2016	731	770	1,501
S 6/19/2016	592	642	1,234
M 6/20/2016	708	734	1,442
T 6/21/2016	696	784	1,480
W 6/22/2016	747	795	1,542
T 6/23/2016	734	809	1,543
F 6/24/2016	795	881	1,676
S 6/25/2016	1,041	1,054	2,095
S 6/26/2016	607	661	1,268
<b>Total</b>	<b>12,582</b>	<b>13,201</b>	<b>25,783</b>
<b>Average Daily</b>	<b>740</b>	<b>777</b>	<b>1,517</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	1,300
2014	1,300
2011	1,223
2008	1,427
2007	1,459
2006	1,584
2005	1,403
2003	1,213
2002	1,442
2001	1,328
2000	1,366

NOTES:

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- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).  
More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y739](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y739)
- (7) Count totals are slightly higher than normal for that day of the week on two occasions - on 6/18 it is likely due to the Springfield Alumni Weekend and on 6/2 it is likely due to the Wellwood Orchard Strawberry Festival

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WIN116  
VTrans ID: Y708

Time Period: 6/10/2016 through 6/18/2016  
 Count ID: WW116CLS/SPD  
 Town: Town of Windsor  
 Road: US-5  
 Location: 100ft north of Cedar Hill Dr (Pvt Rd)  
 GPS Coordinates: -72.39834 43.44072  
 Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y708](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y708)

Northbound from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	3,544	6
Average Weekend Traffic	2,973	3
Average Daily Traffic (1)	3,354	9
Annual Average Daily Traffic (2)	2,900	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	40 mph	
Average	44 mph	45 mph
85th Percentile	48 mph	50 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	26,508	87.8%
Single-Unit Trucks (4)	3,398	11.3%
Tractor-Trailer Trucks (5)	280	0.9%
<b>Total</b>	<b>30,186</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	NB	SB	Total
F 6/10/2016	1,914	2,004	3,918
S 6/11/2016	1,525	1,536	3,061
S 6/12/2016	1,269	1,361	2,630
M 6/13/2016	1,562	1,678	3,240
T 6/14/2016	1,693	1,813	3,506
W 6/15/2016	1,711	1,752	3,463
T 6/16/2016	1,668	1,791	3,459
F 6/17/2016	1,767	1,913	3,680
S 6/18/2016	1,624	1,605	3,229
<b>Total</b>	<b>14,733</b>	<b>15,453</b>	<b>30,186</b>
<b>Average Daily</b>	<b>1,637</b>	<b>1,717</b>	<b>3,354</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	2,900
2015	2,900
2011	2,993
2008	3,293
2007	3,129
2006	3,409
2005	3,300
2003	3,397
2002	3,343
2001	3,234
2000	3,235

NOTES:

- (1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.
- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y708](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y708)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: CAV118  
VTrans ID: Y365

Time Period: 7/27/2016 through 8/24/2016  
 Count ID: CAV118CLS/SPD  
 Town: Town of Cavendish  
 Road: Twentymile Stream Rd (TH-3)  
 Location: 0.5 miles north of VT-131 (Just north of driveway for 549)  
 GPS Coordinates: -72.63859 43.3914  
 Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local\\_id=Y365](http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local_id=Y365)

Northbound (top) and southbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	567	21
Average Weekend Traffic	569	8
Average Daily Traffic (1)	567	29
Annual Average Daily Traffic (2)	500	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	35 mph	
Average	33 mph	38 mph
85th Percentile	38 mph	43 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	15,244	92.7%
Single-Unit Trucks (4)	1,096	6.7%
Tractor-Trailer Trucks (5)	111	0.7%
<b>Total</b>	<b>16,451</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	NB	SB	Total (7)
W 7/27/2016	279	272	551
T 7/28/2016	267	244	511
F 7/29/2016	310	325	635
S 7/30/2016	417	378	795
S 7/31/2016	211	237	448
M 8/1/2016	262	258	520
T 8/2/2016	293	290	583
W 8/3/2016	325	312	637
T 8/4/2016	320	317	637
F 8/5/2016	339	303	642
S 8/6/2016	331	322	653
S 8/7/2016	254	314	568
M 8/8/2016	278	263	541
T 8/9/2016	303	281	584
W 8/10/2016	274	268	542
T 8/11/2016	299	280	579
F 8/12/2016	262	256	518
S 8/13/2016	243	242	485
S 8/14/2016	238	265	503
M 8/15/2016	283	279	562
T 8/16/2016	260	280	540
W 8/17/2016	264	280	544
T 8/18/2016	270	255	525
F 8/19/2016	304	296	600
S 8/20/2016	310	314	624
S 8/21/2016	214	261	475
M 8/22/2016	284	266	550
T 8/23/2016	288	293	581
W 8/24/2016	258	260	518
<b>Total</b>	<b>8,240</b>	<b>8,211</b>	<b>16,451</b>
<b>Average Daily</b>	<b>284</b>	<b>283</b>	<b>567</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	500
2015	570
2013	516
2010	592
2008	647
2007	592
2006	591
2005	600
2003	768
2002	659
2001	652
2000	673

NOTES:

(1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.

(2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.

(3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)

(4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)

(5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)

(6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts:

[http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local\\_id=Y365](http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local_id=Y365)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WW200  
VTrans ID: YYBU

Time Period: 6/28/2016 through 7/10/2016  
 Count ID: WW200CLS/SPD  
 Town: Town of West Windsor  
 Road: Cemetery Rd (TH-4)  
 Location: 800ft west of Brownsville Hartland Rd (TH-1) (just past 147 Cemetery Road)  
 GPS Coordinates: -72.47847 43.48626  
 Paved or unpaved? Unpaved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=YYBU](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=YYBU)

Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	252	9
Average Weekend Traffic	212	4
Average Daily Traffic (1)	240	13
Annual Average Daily Traffic (2)	200	

	Vehicle Speeds (mph)	
	Westbound	Eastbound
Posted Speed Limit	35 mph	
Average	27 mph	29 mph
85th Percentile	32 mph	34 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	2,802	89.9%
Single-Unit Trucks (4)	281	9.0%
Tractor-Trailer Trucks (5)	34	1.1%
<b>Total</b>	<b>3,117</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	WB	EB	Total (7)
T 6/28/2016	111	120	231
W 6/29/2016	110	107	217
T 6/30/2016	133	112	245
F 7/1/2016	134	139	273
S 7/2/2016	119	121	240
S 7/3/2016	151	136	287
M 7/4/2016	127	117	244
T 7/5/2016	127	125	252
W 7/6/2016	123	133	256
T 7/7/2016	130	129	259
F 7/8/2016	154	137	291
S 7/9/2016	93	89	182
S 7/10/2016	72	68	140
<b>Total</b>	<b>1,584</b>	<b>1,533</b>	<b>3,117</b>
<b>Average Daily</b>	<b>122</b>	<b>118</b>	<b>240</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	200
Previous	Not available

NOTES:

- (1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.
- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).  
 More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y739](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y739)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: CAV201  
VTrans ID: Y425

Time Period: 06/11/2016 through 06/23/2016  
Count ID: CAV201CLS/SPD  
Town: Cavendish, VT  
Road: VT-131 (Main St)  
Location: 450ft east of Depot St (at crosswalk)  
GPS Coordinates: -72.6372 43.38345  
Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y425](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y425)

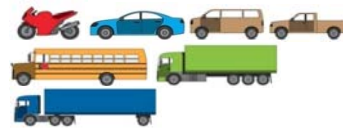
Westbound (top) and eastbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	3,688	20
Average Weekend Traffic	3,133	8
Average Daily Traffic (1)	3,529	28
Annual Average Daily Traffic (2)	3,300	

	Vehicle Speeds (mph)	
	Westbound	Eastbound
Posted Speed Limit	35mph (25mph when flashing)	
Average	31 mph	32 mph
85th Percentile	36 mph	38 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	86,995	88.0%
Single-Unit Trucks (4)	9,851	10.0%
Tractor-Trailer Trucks (5)	1,979	2.0%
<b>Total</b>	<b>98,825</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	WB	EB	Total
T 5/12/2016	1,890	1,943	3,833
F 5/13/2016	1,823	1,874	3,697
S 5/14/2016	1,788	1,803	3,591
S 5/15/2016	1,275	1,284	2,559
M 5/16/2016	1,671	1,677	3,348
T 5/17/2016	1,772	1,812	3,584
W 5/18/2016	1,802	1,842	3,644
T 5/19/2016	1,807	1,819	3,626
F 5/20/2016	1,998	2,029	4,027
S 5/21/2016	1,695	1,707	3,402
S 5/22/2016	1,335	1,374	2,709
M 5/23/2016	1,759	1,711	3,470
T 5/24/2016	1,726	1,747	3,473
W 5/25/2016	1,862	1,869	3,731
T 5/26/2016	1,871	1,933	3,804
F 5/27/2016	2,063	2,093	4,156
S 5/28/2016	1,911	1,844	3,755
S 5/29/2016	1,503	1,517	3,020
M 5/30/2016	1,495	1,578	3,073
T 5/31/2016	1,893	1,840	3,733
W 6/1/2016	1,874	1,899	3,773
T 6/2/2016	1,846	1,923	3,769
F 6/3/2016	2,047	1,985	4,032
S 6/4/2016	1,793	1,755	3,548
S 6/5/2016	1,227	1,256	2,483
M 6/6/2016	1,793	1,827	3,620
T 6/7/2016	1,743	1,758	3,501
W 6/8/2016	1,930	1,934	3,864
<b>Total</b>	<b>49,192</b>	<b>49,633</b>	<b>98,825</b>
<b>Average Daily</b>	<b>1,757</b>	<b>1,773</b>	<b>3,529</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	3,300
2012	3200
2007	3300
2000	3500
1996	3400
1990	3500

NOTES:

(1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.

(2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.

(3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)

(4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)

(5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)

(6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).

More current and historic counts:

[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y425](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y425)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: WEA202  
VTrans ID: None

Time Period: 9/15/2016 through 10/12/2016  
 Count ID: WEA202CLS/SPD  
 Town: Town of Weathersfield  
 Road: Quarry Road (TH-21) (class 4 town highway segment)  
 Location: 1.2 miles west of VT-106 (just east of driveway for 1147, 1145 and 1161 Quarry Road. A few feet east of culvert and Baltimore townline)  
 GPS Coordinates: -72.53903 43.37414  
 Paved or unpaved? Unpaved (Class 4 Town Highway)  
 Link to VTrans online database not yet available

Westbound (top) and eastbound (bottom) from count



Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	27	20
Average Weekend Traffic	23	8
Average Daily Traffic (1)	26	28
Annual Average Daily Traffic (2)	Not available	

Day Date	Vehicle Volumes		
	WB	EB	Total (7)
T 9/15/2016	31	18	49
F 9/16/2016	26	21	47
S 9/17/2016	22	17	39
S 9/18/2016	10	6	16
M 9/19/2016	13	15	28
T 9/20/2016	11	12	23
W 9/21/2016	15	17	32
T 9/22/2016	26	20	46
F 9/23/2016	8	11	19
S 9/24/2016	13	13	26
S 9/25/2016	10	19	29
M 9/26/2016	13	18	31
T 9/27/2016	10	16	26
W 9/28/2016	8	12	20
T 9/29/2016	12	10	22
F 9/30/2016	7	11	18
S 10/1/2016	8	7	15
S 10/2/2016	12	6	18
M 10/3/2016	11	7	18
T 10/4/2016	9	17	26
W 10/5/2016	15	10	25
T 10/6/2016	14	7	21
F 10/7/2016	17	11	28
S 10/8/2016	12	6	18
S 10/9/2016	11	10	21
M 10/10/2016	8	8	16
T 10/11/2016	10	11	21
W 10/12/2016	12	15	27
<b>Total</b>	<b>374</b>	<b>351</b>	<b>725</b>
<b>Average Daily</b>	<b>13.4</b>	<b>12.5</b>	<b>26</b>

Nearby Traffic Counts (6)	
Year	AADT
2011	180
Previous	Unavailable

NOTES:

- (1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.
- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs from Quarry Road close to VT-106.  
 More current and historic counts: [http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=YXRP](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=YXRP)

**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: CHE203    CHE204    CHE205  
VTrans ID: YYBS    Y061    Y200

RPC ID: CHE203  
VTrans ID: YYBS  
Time Period: 6/28/2016 through 7/19/2016  
Count ID: CHE203CLS/SPD  
Town: Town of Chester  
Road: Elm St (TH-70)  
Location: 500ft east of Depot St (VT-103) (next to 461 Elm St)  
GPS Coordinates: -72.58818 43.26735  
Paved or unpaved? Paved

[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=YYBS](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=YYBS)

CHE204  
Y061  
6/28/2016 through 7/19/2016  
CHE204CLS/SPD  
Town of Chester  
Depot St (VT-103)  
850ft north of Elm St (TH-70) (just south of 541 First Ave driveway)  
-72.58921 43.27078  
Paved

[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y061](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y061)

CHE205  
Y200  
6/28/2016 through 7/18/2016  
CHE205CLS/SPD  
Town of Chester  
Depot St (VT-103)  
550ft south of Elm St (TH-70) (next to 485 Depot St)  
-72.58971 43.26687  
Paved

[http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local\\_id=Y200](http://www.ms2soft.com/tcds/?loc=Vtrans&mod=tcds&local_id=Y200)

Traffic Summary	Vehicles	No of Days
Average Weekday Traffic	970	16
Average Weekend Traffic	642	6
Average Daily Traffic (1)	881	22
Annual Average Daily Traffic (2)	Not available	

Vehicles	No of Days
4,131	16
4,158	6
4,138	22
Not available	

Vehicles	No of Days
4,641	15
4,534	6
4,401	21
Not available	

	Vehicle Speeds (mph)	
	Westbound	Eastbound
Posted Speed Limit	30 mph	
Average	29 mph	28 mph
85th Percentile	33 mph	33 mph

Vehicle Speeds (mph)	
Northbound	Southbound
30 mph	
35 mph	35 mph
39 mph	39 mph

Vehicle Speeds (mph)	
Northbound	Southbound
30 mph	
28 mph	29 mph
34 mph	34 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	16,661	86.0%
Single-Unit Trucks (4)	2,551	13.2%
Tractor-Trailer Trucks (5)	162	0.8%
<i>Total</i>	<i>19,374</i>	<i>100.0%</i>

Vehicle Class Volumes	
Total	Percentage
77,149	84.7%
8,968	9.9%
4,924	5.4%
<i>91,041</i>	<i>100.0%</i>

Vehicle Class Volumes	
Total	Percentage
86,231	89.1%
6,141	6.3%
4,448	4.6%
<i>96,820</i>	<i>100.0%</i>

Day	Date	Vehicle Volumes		
		WB	EB	Total (7)
T	6/28/2016	462	473	935
W	6/29/2016	498	525	1,023
T	6/30/2016	571	561	1,132
F	7/1/2016	531	521	1,052
S	7/2/2016	378	369	747
S	7/3/2016	264	293	557
M	7/4/2016	224	288	512
T	7/5/2016	474	549	1,023
W	7/6/2016	467	492	959
T	7/7/2016	454	505	959
F	7/8/2016	490	496	986
S	7/9/2016	344	358	702
S	7/10/2016	248	311	559

Vehicle Volumes		
NB	SB	Total (7)
1,740	1,792	3,532
1,958	1,819	3,777
2,278	1,920	4,198
3,330	1,962	5,292
2,723	1,876	4,599
1,721	1,995	3,716
1,318	2,765	4,083
1,849	2,445	4,294
1,906	2,002	3,908
2,006	1,985	3,991
2,638	2,197	4,835
1,851	1,847	3,698
1,510	2,479	3,989

Vehicle Volumes		
NB	SB	Total (7)
1,938	1,963	3,901
2,260	2,067	4,327
2,566	2,180	4,746
3,595	2,217	5,812
2,966	2,075	5,041
1,882	2,131	4,013
1,488	2,864	4,352
2,179	2,651	4,830
2,201	2,241	4,442
2,288	2,191	4,479
2,915	2,408	5,323
2,043	2,017	4,060
1,628	2,541	4,169





**Southern Windsor County Regional Planning Commission  
2016 Traffic Count Summary**

RPC ID: LUD206  
VTrans ID: YYBT

Time Period: 6/30/2016 through 7/19/2016  
 Count ID: LUD206CLS/SPD  
 Town: Town of Ludlow  
 Road: Buttermilk Falls Rd (TH-53)  
 Location: 0.4 miles north of VT-103 (next to house 185)  
 GPS Coordinates: -72.71409 43.42687  
 Paved or unpaved? Paved  
[http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local\\_id=YYBT](http://www.ms2soft.com/tcds/?loc=vtrans&mod=tcds&local_id=YYBT)

Traffic Summary	Vehicles	No of Days
Average Weekday Traffic (8)	239	13
Average Weekend Traffic	323	6
Average Daily Traffic (1) (7)	290	19
Annual Average Daily Traffic (2)	Not available	

	Vehicle Speeds (mph)	
	Northbound	Southbound
Posted Speed Limit	35 mph	
Average	30 mph	30 mph
85th Percentile	36 mph	35 mph

	Vehicle Class Volumes	
	Total	Percentage
Passenger Vehicles (3)	5,235	95.0%
Single-Unit Trucks (4)	268	4.9%
Tractor-Trailer Trucks (5)	7	0.1%
<b>Total</b>	<b>5,510</b>	<b>100.0%</b>



Day Date	Vehicle Volumes		
	NB	SB	Total
T 6/30/2016	110	92	202
F 7/1/2016	79	80	159
S 7/2/2016	177	176	353
S 7/3/2016	251	248	499
M 7/4/2016	231	231	462
T 7/5/2016	125	123	248
W 7/6/2016	156	168	324
T 7/7/2016	111	106	217
F 7/8/2016	108	106	214
S 7/9/2016	63	56	119
S 7/10/2016	67	64	131
M 7/11/2016	122	108	230
T 7/12/2016	124	115	239
W 7/13/2016	173	168	341
T 7/14/2016	83	86	169
F 7/15/2016	154	155	309
S 7/16/2016	225	234	459
S 7/17/2016	186	193	379
M 7/18/2016	113	106	219
T 7/19/2016	116	121	237
<b>Total</b>	<b>2,774</b>	<b>2,736</b>	<b>5,510</b>
<b>Average Daily</b>	<b>146</b>	<b>144</b>	<b>290</b>

Previous Traffic Counts (6)	
Year	AADT
Current (2016)	Not available
Previous	Not available

NOTES:

- (1) ADT is the unadjusted, average number of vehicles passing in both directions at a specified location of a roadway.
- (2) AADT is the average traffic volume in both directions on a section of road, adjusted for seasonal variation. Adjustment factors are released by VTrans a few months after the calendar year finishes. AADTs will then be calculated in late spring 2017.
- (3) Passenger vehicles includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- (4) Single-unit trucks includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- (5) Tractor-trailer truck includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- (6) Historic data from both VTrans and SWCRPC traffic counting programs for same section of road (may not be exactly the same location).
- (7) Does not include July 4th (Monday)