

Southern Windsor County 2014 Traffic Count Program Summary

April 2015



The Southern Windsor County Regional Planning Commission (the “RPC”) regularly monitors traffic at 19 locations throughout the southern Windsor County region (the “Region”). 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 four 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.

2013 Traffic Counts

Traffic counts have been regularly performed at 19 locations throughout the Region since 1999, with additional counts performed as needed. Each location is typically surveyed for one to two weeks, avoiding periods of irregular traffic flows, such as July 4th or Labor Day weekend. These data are presented in terms of Average Daily Traffic, Average Weekday Traffic and Annual Average Daily Traffic. Data are also summarized in this report including vehicle classification as a percentage of the total traffic volume and vehicle speed.

The end of the report has detailed summaries of each 2014 count locations. Raw data is available by request. AADT calculations are based on the 2014 Continuous Traffic Counter Grouping Study and Regression Analysis (“Red Book”, VTrans, 2015). In 2014, the following counts were carried out in the region:

<i>Station</i>	<i>Town</i>	<i>Route/Road</i>	<i>Location</i>
1	LUDLOW	VT 103	100' NORTH OF WEST HILL RD (TH 362)
4	CHESTER	VT 11	100' WEST OF LACROSS RD (SPR TH 15)
9	LUDLOW	HIGH ST (TH 4)	100' WEST OF GILL TERRACE (TH 312)
11	WEATHERSFIELD	US 5	500' SOUTH OF WILGUS STATE PARK ENTRANCE
13	WEST WINDSOR	BROWNSVILLE-HARTLAND RD (TH 1)	0.6 MILES NORTH OF VT 44
14	WEATHERSFIELD	CENTER RD (TH 1)	50' SOUTH OF JEFFREY LANE (TH 98)
15	CAVENDISH	DEPOT ST (TH 1)	200' SOUTH OF GM RAILROAD
2014_20	WINDSOR	US 5	Just north of Ruth Carney Dr (TH-77)
2014_21	WINDSOR	RUTH CARNEY DRIVE (TH-77)	Just south of US-5
2014_22	CHESTER	VT-103	50 yds south of High School Drive
2014_23	CHESTER	VT-103	In stone village. 50 yds north of Universal Church
2014_27	WEATHERSFIELD	CENTER RD (TH-1)	Between Wellwood Orchard Rd and Golf Course/ Townline
2014_28	WEATHERSFIELD	AIRPORT ROAD (TH-3)	50 Yds (towards Rt. 106) past House #179
2014_29	WEATHERSFIELD	KENDRICKS CORNER RD (TH-61)	0.25 miles north of Airport Rd. On pole 93-7
2014_30	WEATHERSFIELD	AMSDEN SCHOOL RD (TH-10)	1000ft west of VT-131. 100' towards Rt. 106 from Blue House
2014_31	CAVENDISH	BROOK RD (TH-25)	100 yds south of bridge

2014_32	CAVENDISH	BROOK RD (TH-25)	100 yds south of bridge
2014_33	SPRINGFIELD	VT-11	50 yds south of Seavers Brook Rd (TH-122)
2014_34	ANDOVER	VT-11	Between Hill Top Rd and Marsh Hill Rd. Attached to pole 6,11,4
2014_35	ANDOVER	ANDOVER RIDGE RD (TH-49)	0.7 miles from Andover Rd (TH-1), near log landing on left and construction on right.

Traffic count data is also collated and sometimes collected by the Vermont Agency of Transportation (VTrans). Traffic Count reports are published online at <http://vtransplanning.vermont.gov/research/traffic/publications>. Counts from most locations are available in the “Automatic Traffic Recorder Station History” reports and include interstates and state highways as well as some local roads. Some of the counts 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 in the “Red Book” ([2014 Continuous Traffic Counter Grouping Study and Regression Analysis Report](#)).

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”)

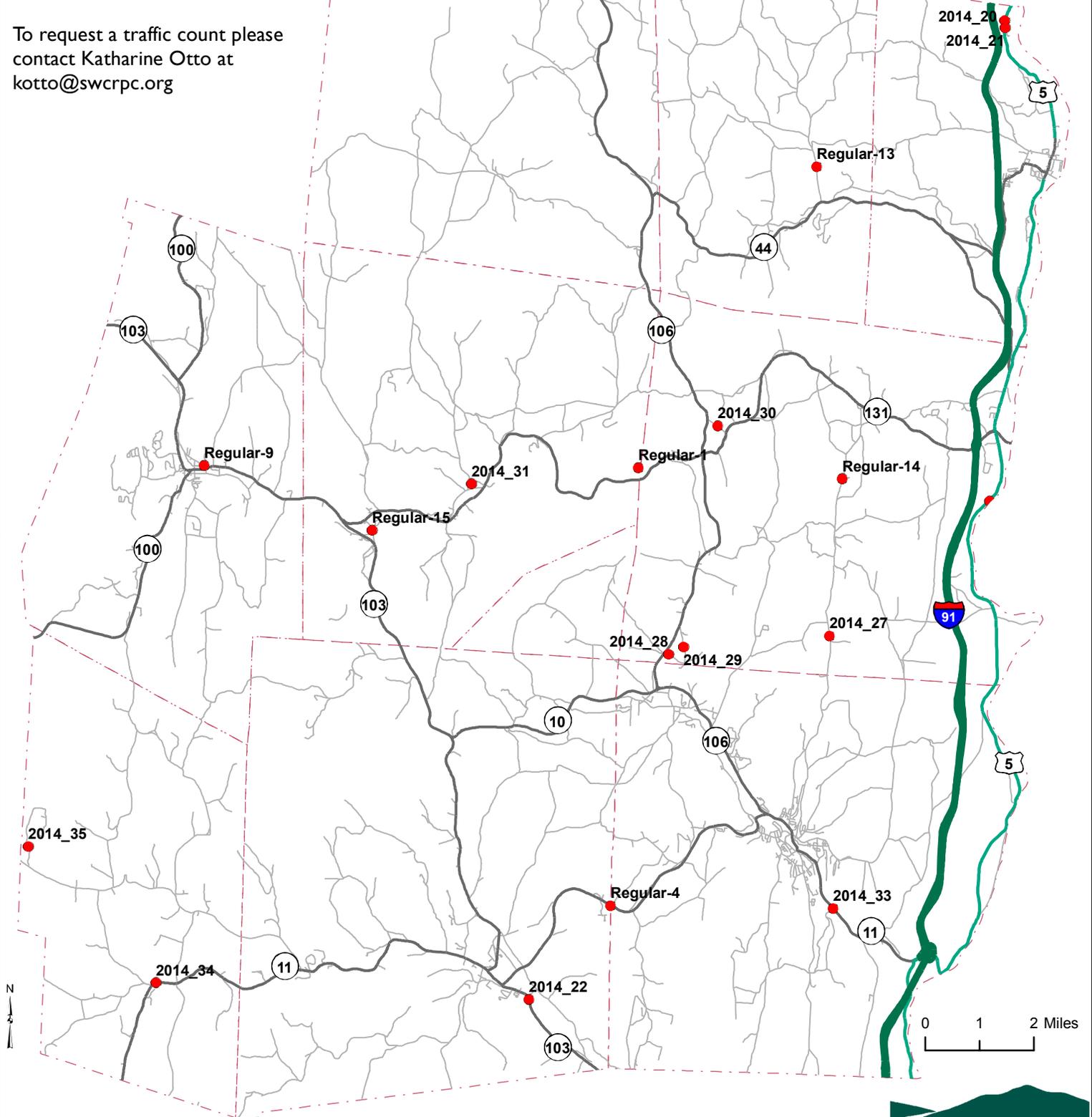
Vehicle Speed – Vehicular speed of travel is measured in miles per hour (mph), and for the purpose of this report is described in three ways:

- **Median Speed** – Statistical measurement based on the 50th 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.
- **85th Percentile Speed** – The speed below which 85 percent of motorists travel at a specified location. The 85th percentile speed is typically used by transportation engineers as the basis for setting the posted speed limit, although other factors should also be considered.

2014 Traffic Counts By RPC in Southern Windsor County

Each year VTrans and SWCRPC carry out traffic counts on roadways in the Region. Traffic counts can be used for a variety of purposes including traffic studies, traffic modeling, and speed studies.

To request a traffic count please contact Katharine Otto at kotto@swcrpc.org



- SWCRPC Count Location
- ⬭ Interstate
- ⬭ US Highway
- ⬭ VT Highway & Class I Town Highway
- ⬭ Class 2 & 3 Town Highway
- ⬭ Town Boundary

Data sources: Traffic Count Location (SWCRPC 2015), Road centerline (VTrans 2014), Town boundary (VCGI 2012)

Map for planning purposes only. Not for regulatory interpretation.



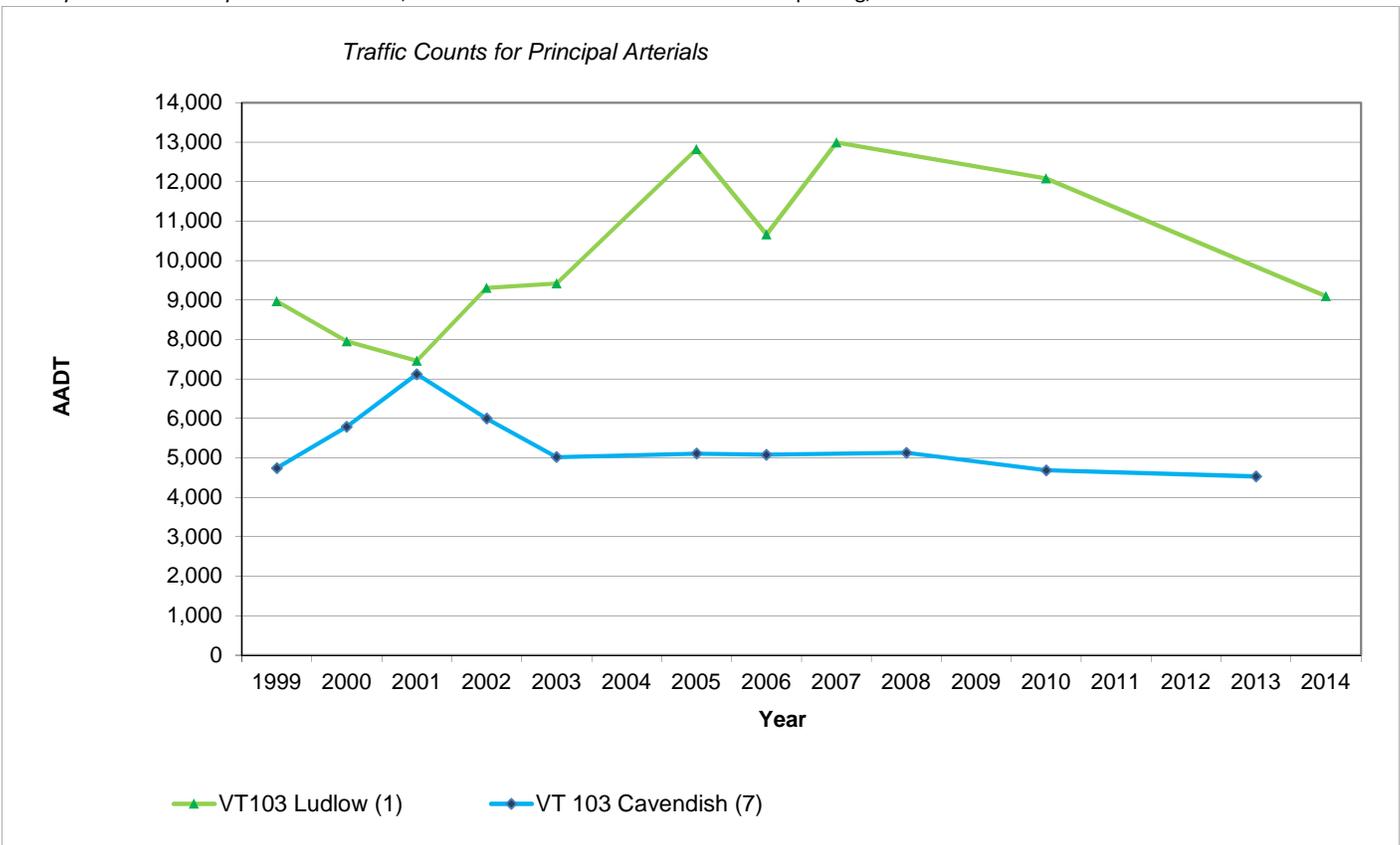
Map drawn April 29, 2015

Traffic Count History for major roads

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.

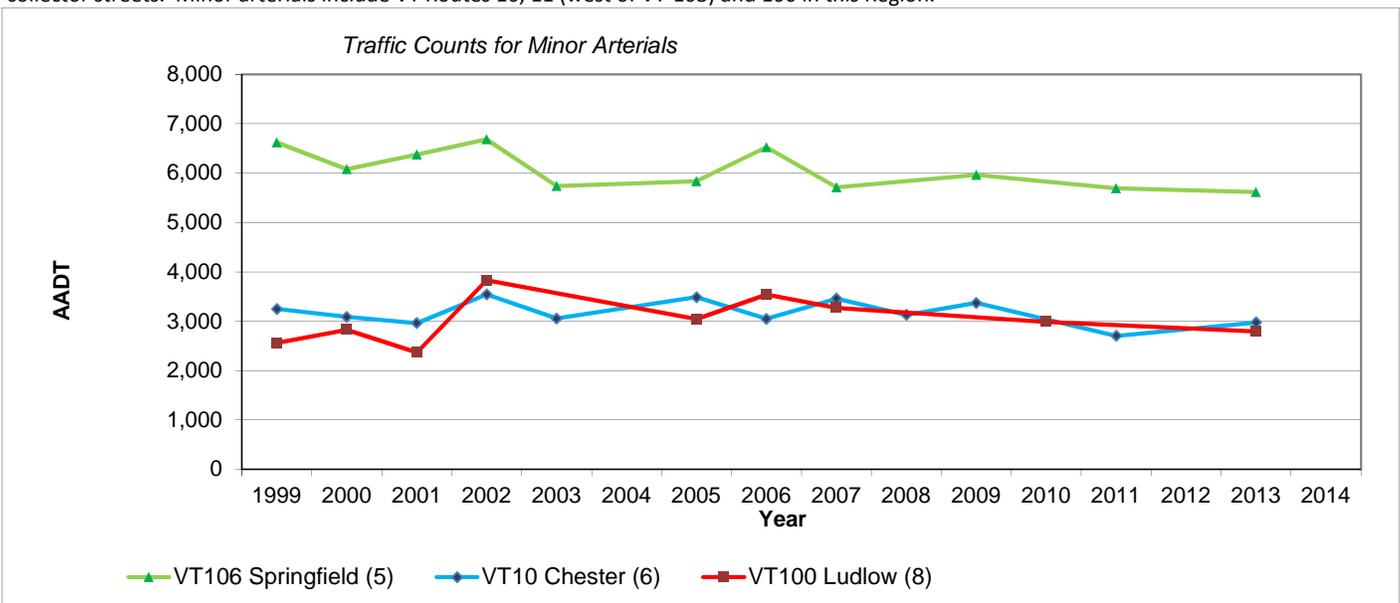
Principal Arterial

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.



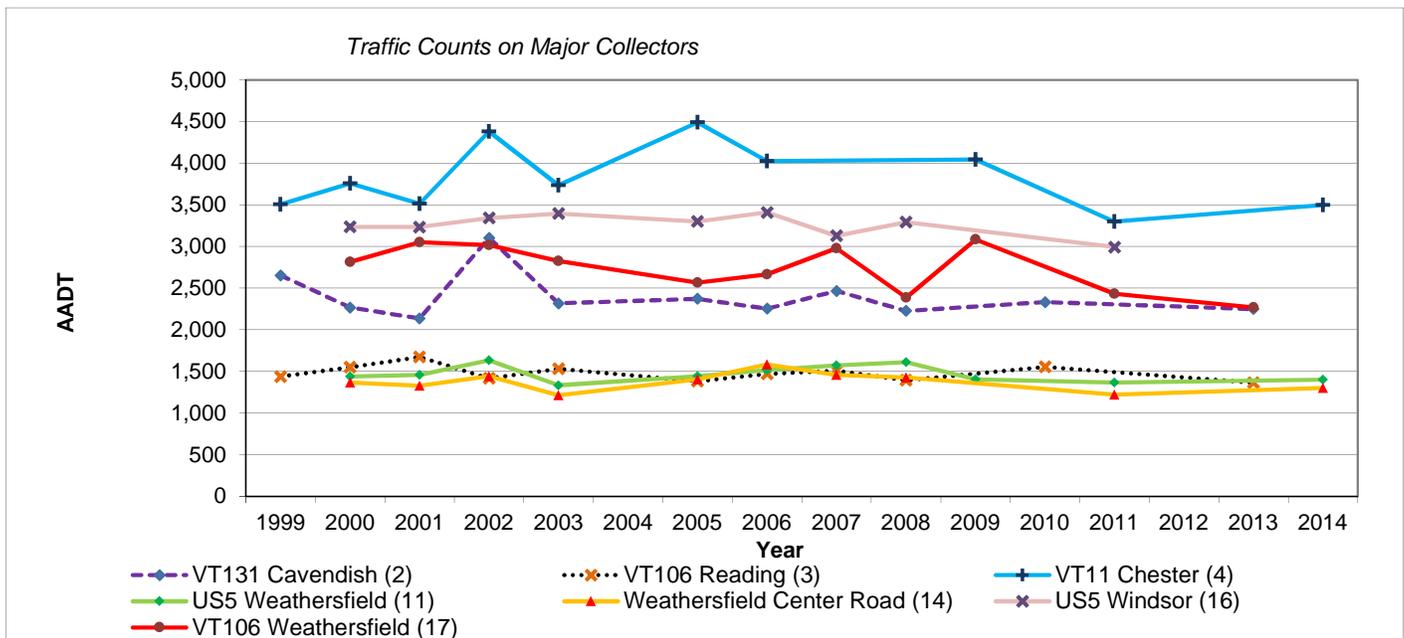
Minor Arterial

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.



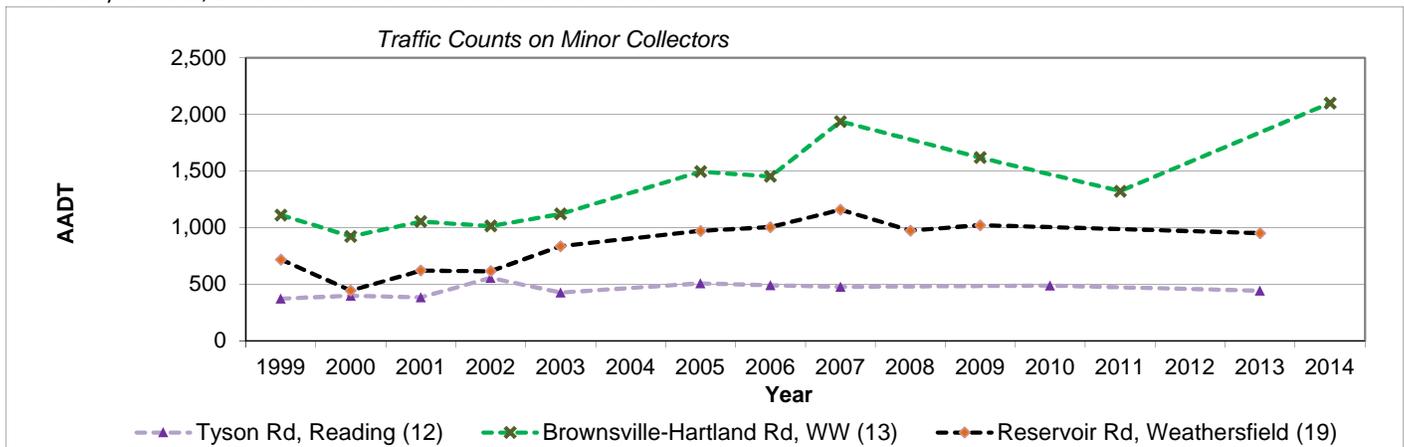
Major Collector

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.



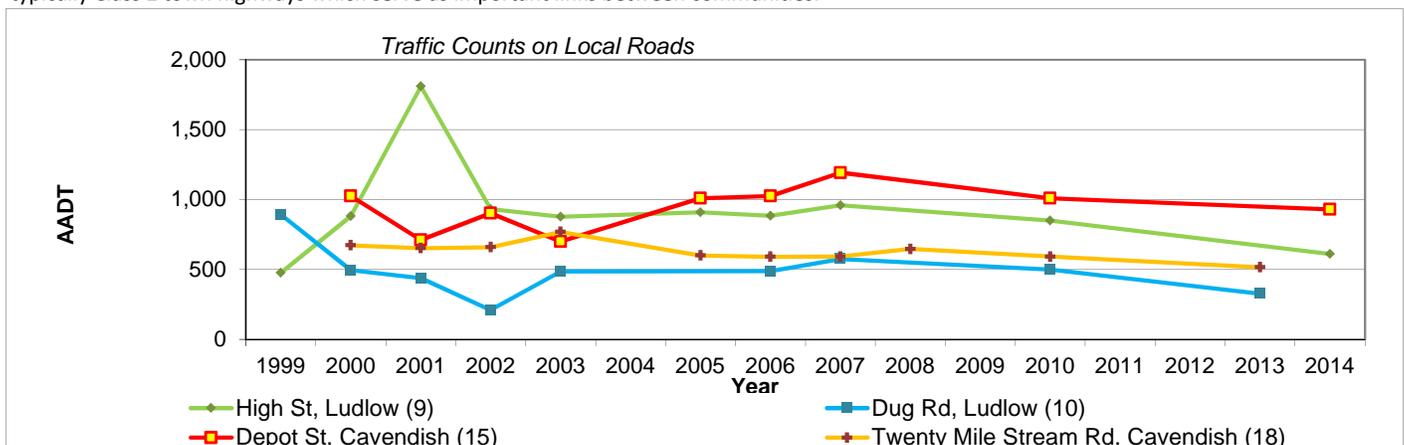
Minor Collector

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.



**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 1

Time Period: 05/28/2014 thru 06/03/2014
 Count ID: LUD001B_CLS/SPD
 Town: Ludlow, VT
 Road: VT 103
 Location: 100' north of West Hill Road (TH 362)

Average Daily Traffic Summary	
Average Weekday Traffic	8,126
Average Weekend Traffic	7,375
Average Daily Traffic	7,912
Annual Average Daily Traffic	9,100

Day	Date	Vehicle Volumes			Vehicle Class			Total
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	
W	5/28/2014	3,651	3,866	7,517				
T	5/29/2014	4,041	4,240	8,281				
F	5/30/2014	4,519	4,437	8,956				
S	5/31/2014	3,691	3,861	7,552				
S	6/1/2014	3,253	3,945	7,198				
M	6/2/2014	3,832	4,193	8,025				
T	6/3/2014	3,772	4,080	7,852				
TOTAL		26,759	28,622	55,381	49,906	3,614	1,861	55,381
AVERAGE DAILY		3,823	4,089	7,912	90.1%	6.5%	3.4%	100.0%

Posted Speed Limit: 30 mph

Vehicle Speeds (mph) Northbound (toward Okemo)		
Median	Average	85th Percentile
28	28	33

Vehicle Speeds (mph) Southbound (into Ludlow Village)		
Median	Average	85th Percentile
27	27	32

NOTES:

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

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

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

VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 4

Time Period: 6/7/2014 thru 6/15/2014
 Count ID: CHE004_CLS/SPD
 Town: Chester, VT
 Road: VT 11
 Location: 100' west of Lacross Road (Spri TH 15)

Average Daily Traffic Summary	
Average Weekday Traffic	4,040
Average Weekend Traffic	3,313
Average Daily Traffic	3,717
Annual Average Daily Traffic	3,500

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	6/7/2014	1,807	1,806	3,613				
S	6/8/2014	1,534	1,478	3,012				
M	6/9/2014	1,940	1,954	3,894				
T	6/10/2014	2,022	1,998	4,020				
W	6/11/2014	2,025	1,977	4,002				
T	6/12/2014	1,998	1,990	3,988				
F	6/13/2014	2,130	2,164	4,294				
S	6/14/2014	1,813	1,740	3,553				
S	6/15/2014	1,528	1,545	3,073				
TOTAL		16,797	16,652	33,449	30,658	2,125	666	33,449
AVERAGE DAILY		1,866	1,850	3,717	91.7%	6.4%	2.0%	100.0%

Posted Speed Limit: 50 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
53	53	59

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
52	52	58

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 9

Time Period: 09/10/2014 thru 09/23/2014
 Count ID: LUD009_CLS/SPD
 Town: Ludlow, VT
 Road: High St (TH-4)
 Location: 100 yds west of Gill Terrace (TH-312)

Average Daily Traffic Summary	
Average Weekday Traffic	647
Average Weekend Traffic	622
Average Daily Traffic	640
Annual Average Daily Traffic	610

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	9/10/2014	416	223	639				
T	9/11/2014	396	191	587				
F	9/12/2014	527	239	766				
S	9/13/2014	442	190	632				
S	9/14/2014	397	186	583				
M	9/15/2014	399	183	582				
T	9/16/2014	453	175	628				
W	9/17/2014	419	194	613				
T	9/18/2014	463	182	645				
F	9/19/2014	553	222	775				
S	9/20/2014	504	192	696				
S	9/21/2014	377	200	577				
M	9/22/2014	423	174	597				
T	9/23/2014	444	198	642				
TOTAL		6,213	2,749	8,962	8,629	312	21	8,962
AVERAGE DAILY		444	196	640	96.3%	3.5%	0.2%	100.0%

Posted Speed Limit: 25 mph

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
26	27	32

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
25	26	31

NOTES:

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

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

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

VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 11

Time Period: 6/17/2014 thru 6/25/2014
 Count ID: WEA011_CLS/SPD
 Town: Weathersfield, VT
 Road: US-5
 Location: 500ft south of Wilgus State Park Entrance

Average Daily Traffic Summary	
Average Weekday Traffic	1,532
Average Weekend Traffic	1,648
Average Daily Traffic	1,558
Annual Average Daily Traffic	1,400

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
T	6/17/2014	717	715	1,432				
W	6/18/2014	740	760	1,500				
T	6/19/2014	796	826	1,622				
F	6/20/2014	848	874	1,722				
S	6/21/2014	844	850	1,694				
S	6/22/2014	754	847	1,601				
M	6/23/2014	721	739	1,460				
T	6/24/2014	727	784	1,511				
W	6/25/2014	716	761	1,477				
TOTAL		6,863	7,156	14,019	12,634	1,220	165	14,019
AVERAGE DAILY		763	795	1,558	90.1%	8.7%	1.2%	100.0%

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
44	45	51

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
45	46	51

NOTES:

Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
 Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
 Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
 VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 13

Time Period: 05/14/2014 thru 05/26/2014
 Count ID: WW013A&B_CLS/SPD
 Town: West Windsor, VT
 Road: Brownsville-Hartland Road (TH1)
 Location: 0.6 miles North of VT 44

Average Daily Traffic Summary	
Average Weekday Traffic	1,166
Average Weekend Traffic	1,021
Average Daily Traffic	1,123
Annual Average Daily Traffic	2,100

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	5/14/2014	548	576	1,124				
T	5/15/2014	548	552	1,100				
F	5/16/2014	565	522	1,087				
S	5/17/2014	464	505	969				
S	5/18/2014	522	527	1,049				
M	5/19/2014	657	659	1,316				
T	5/20/2014	705	681	1,386				
W	5/21/2014	593	602	1,195				
T	5/22/2014	592	581	1,173				
F	5/23/2014	569	531	1,100				
S	5/24/2014	522	522	1,044				
S	5/25/2014	485	496	981				
M	5/26/2014	448	428	876				
T	5/27/2014							
W	5/28/2014	608	603	1,211				
T	5/29/2014	607	616	1,223				
F	5/30/2014	585	557	1,142				
S	5/31/2014	530	537	1,067				
S	6/1/2014	504	509	1,013				
M	6/2/2014	574	570	1,144				
T	6/3/2014	581	670	1,251				
TOTAL		11,207	11,244	22,451	21,486	862	103	22,451
AVERAGE DAILY		560	562	1,123	95.7%	3.8%	0.5%	100.0%

NOTES:
 Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
 Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
 Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
 VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)
 AADTs calculated using Daily Adjustment Factors for "Recreation - Town Highways" rather than "Rural Primary and Secondary Roads", despite closure of

Posted Speed Limit: 35 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
39	39	44

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
37	37	42

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 14

Time Period: 05/24/2014 thru 06/03/2014
 Count ID: WEA014B_CLS/SPD
 Town: Weathersfield, VT
 Road: Center Road (TH 1)
 Location: 50 feet south of Jeffrey Ln (TH 98)

Average Daily Traffic Summary	
Average Weekday Traffic	1,366
Average Weekend Traffic	1,262
Average Daily Traffic	1,328
Annual Average Daily Traffic	1,300

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	5/24/2014	646	664	1,310				
S	5/25/2014	587	627	1,214				
M	5/26/2014	484	539	1,023				
T	5/27/2014	675	683	1,358				
W	5/28/2014	695	710	1,405				
T	5/29/2014	710	731	1,441				
F	5/30/2014	766	772	1,538				
S	5/31/2014	661	656	1,317				
S	6/1/2014	542	664	1,206				
M	6/2/2014	733	694	1,427				
T	6/3/2014	687	682	1,369				
TOTAL		7,186	7,422	14,608	13,549	997	62	14,608
AVERAGE DAILY		653	675	1,328	92.8%	6.8%	0.4%	100.0%

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
44	45	51

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
43	43	48

NOTES:

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

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

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

VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 15

Time Period: 6/11/2014 thru 6/17/2014
 Count ID: CAV015_CLS/SPD
 Town: Cavendish, VT
 Road: Depot Street (TH1)
 Location: 200' South of Green Mountain Railroad

Average Daily Traffic Summary	
Average Weekday Traffic	1,074
Average Weekend Traffic	869
Average Daily Traffic	1,015
Annual Average Daily Traffic	930

Day	Date	Vehicle Volumes			Vehicle Class			Total
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	
W	6/11/2014	538	533	1,071				
T	6/12/2014	534	557	1,091				
F	6/13/2014	556	568	1,124				
S	6/14/2014	461	439	900				
S	6/15/2014	427	411	838				
M	6/16/2014	526	540	1,066				
T	6/17/2014	506	510	1,016				
TOTAL		3,548	3,558	7,106	6,401	660	45	7,106
AVERAGE DAILY		507	508	1,015	90.1%	9.3%	0.6%	100.0%

Posted Speed Limit: 25 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
31	31	37

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
29	29	35

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 20

Time Period: 6/19/2014 thru 6/25/2014
 Count ID: WIN020_CLS/SPD
 Town: Windsor, VT
 Road: US-5
 Location: Just north of Ruth Carney Drive (TH-77)

Average Daily Traffic Summary	
Average Weekday Traffic	4,127
Average Weekend Traffic	4,506
Average Daily Traffic	4,211
Annual Average Daily Traffic	3,900

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
T	6/19/2014	3,013	2,979	5,992				
F	6/20/2014	3,161	3,050	6,211				
S	6/21/2014	2,558	2,403	4,961				
S	6/22/2014	1,997	2,054	4,051				
M	6/23/2014	2,763	2,702	5,465				
T	6/24/2014	2,860	2,823	5,683				
W	6/25/2014	2,770	2,768	5,538				
TOTAL		19,122	18,779	37,901	34,408	2,952	541	37,901
AVERAGE DAILY		2,125	2,087	4,211	90.8%	7.8%	1.4%	100.0%

Posted Speed Limit: 50 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
42	42	47

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
46	46	52

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 21

Time Period: 7/18/2014 thru 7/23/2014
 Count ID: WIN021-CLS/SPD
 Town: Windsor, VT
 Road: Ruth Carney Drive (TH-77)
 Location: Just south of US-5

Average Daily Traffic Summary	
Average Weekday Traffic	854
Average Weekend Traffic	964
Average Daily Traffic	890
Annual Average Daily Traffic	780

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
F	7/18/2014	582	577	1,159				
S	7/19/2014	497	467	964				
S	7/20/2014	498	465	963				
M	7/21/2014	381	373	754				
T	7/22/2014	391	380	771				
W	7/23/2014	362	369	731				
TOTAL		2,711	2,631	5,342	4,833	332	177	5,342
AVERAGE DAILY		452	439	890	90.5%	6.2%	3.3%	100.0%

Posted Speed Limit: *Unposted - therefore 50 mph*

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
23	23	29

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
25	25	30

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (*2014 Continuous Traffic Counter Grouping Study and Regression Analysis*, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 22

Time Period: 07/02/2014 thru 07/13/2014
 Count ID: CHE022_CLS/SPD
 Town: Chester, VT
 Road: VT-103
 Location: 50 yards south of High School Drive

Average Daily Traffic Summary	
Average Weekday Traffic	5,824
Average Weekend Traffic	6,173
Average Daily Traffic	5,940
Annual Average Daily Traffic	7,800

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/2/2014	2,903	2,631	5,534				
T	7/3/2014	4,294	2,996	7,290				
F	7/4/2014	3,004	2,042	5,046				
S	7/5/2014	2,674	2,936	5,610				
S	7/6/2014	2,550	4,972	7,522				
M	7/7/2014	2,561	2,968	5,529				
T	7/8/2014	2,555	2,671	5,226				
W	7/9/2014	2,685	2,669	5,354				
T	7/10/2014	2,927	2,873	5,800				
F	7/11/2014	3,740	3,069	6,809				
S	7/12/2014	2,873	2,750	5,623				
S	7/13/2014	2,347	3,590	5,937				
TOTAL		35,113	36,167	71,280	63,670	4,410	3,200	71,280
AVERAGE DAILY		2,926	3,014	5,940	89.3%	6.2%	4.5%	100.0%

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
37	37	43

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
43	42	49

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 23

Time Period: 07/02/2014 thru 07/13/2014
 Count ID: CHE023_CLS/SPD
 Town: Chester, VT
 Road: VT-103
 Location: 50 yds north of Universal Church in Stone Village

Average Daily Traffic Summary	
Average Weekday Traffic	3,983
Average Weekend Traffic	4,264
Average Daily Traffic	4,077
Annual Average Daily Traffic	5,300

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/2/2014	2,015	1,798	3,813				
T	7/3/2014	2,973	1,897	4,870				
F	7/4/2014	2,186	1,346	3,532				
S	7/5/2014	1,845	2,185	4,030				
S	7/6/2014	1,592	3,521	5,113				
M	7/7/2014	1,701	2,000	3,701				
T	7/8/2014	1,752	1,777	3,529				
W	7/9/2014	1,789	1,781	3,570				
T	7/10/2014	1,946	1,946	3,892				
F	7/11/2014	2,751	2,207	4,958				
S	7/12/2014	2,028	1,917	3,945				
S	7/13/2014	1,508	2,459	3,967				
TOTAL		24,086	24,834	48,920	42,784	3,597	2,539	48,920
AVERAGE DAILY		2,007	2,070	4,077	87.5%	7.4%	5.2%	100.0%

Posted Speed Limit: 35 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
33	33	39

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
32	33	38

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 27

Time Period: 6/7/2014 thru 6/15/2014
 Count ID: WEA027_CLS/SPD
 Town: Weathersfield, VT
 Road: Weathersfield Center Rd (TH-1)
 Location: Between Wellwood Orchard Rd and Springfield townline

Average Daily Traffic Summary	
Average Weekday Traffic	1,229
Average Weekend Traffic	1,135
Average Daily Traffic	1,187
Annual Average Daily Traffic	1,100

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	6/7/2014	617	640	1,257				
S	6/8/2014	484	499	983				
M	6/9/2014	591	602	1,193				
T	6/10/2014	625	592	1,217				
W	6/11/2014	632	659	1,291				
T	6/12/2014	586	551	1,137				
F	6/13/2014	653	653	1,306				
S	6/14/2014	622	654	1,276				
S	6/15/2014	496	529	1,025				
TOTAL		5,306	5,379	10,685	10,183	464	38	10,685
AVERAGE DAILY		590	598	1,187	95.3%	4.3%	0.4%	100.0%

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
44	44	49

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
42	43	48

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 28

Time Period: 07/02/2014 thru 07/13/2014
 Count ID: WEA028_CLS/SPD
 Town: Weathersfield, VT
 Road: Airport Rd (TH-3)
 Location: 50 yds west of House #179

Average Daily Traffic Summary	
Average Weekday Traffic	253
Average Weekend Traffic	243
Average Daily Traffic	251
Annual Average Daily Traffic	230

Note: July 10 through 13 were excluded from the ADT and AADT calculations due to an event at the airport which significantly increased the traffic on the roadway

NOTES:

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

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

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

Note: July 10 through 13 were excluded from the ADT and AADT calculations due to an event which significantly increased the traffic on the roadway VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/2/2014	122	135	257				
T	7/3/2014	150	147	297				
F	7/4/2014	95	102	197				
S	7/5/2014	126	123	249				
S	7/6/2014	110	126	236				
M	7/7/2014	112	107	219				
T	7/8/2014	133	122	255				
W	7/9/2014	141	153	294				
T	7/10/2014	194	191	385				
F	7/11/2014	271	278	549				
S	7/12/2014	323	330	653				
S	7/13/2014	199	204	403				
<i>TOTAL (including special event)</i>		1,976	2,018	3,994	3,756	206	32	3,994
AVERAGE DAILY		165	168	333	94.0%	5.2%	0.8%	100.0%
<i>TOTAL (excluding special event)</i>		989	1,015	2,004				
AVERAGE DAILY		124	127	251				

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
29	29	36

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
31	31	36

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 29

Time Period: 6/19/2014 thru 6/25/2014
 Count ID: WEA029_CLS/SPD
 Town: Weathersfield, VT
 Road: Kendricks Corner Rd (TH-61)
 Location: 0.25 miles north of Airport Rd. On pole 93-7

Average Daily Traffic Summary	
Average Weekday Traffic	93
Average Weekend Traffic	79
Average Daily Traffic	89
Annual Average Daily Traffic	80

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
T	6/19/2014	46	44	90				
F	6/20/2014	44	50	94				
S	6/21/2014	42	48	90				
S	6/22/2014	32	35	67				
M	6/23/2014	44	45	89				
T	6/24/2014	45	34	79				
W	6/25/2014	59	55	114				
TOTAL		312	311	623	561	59	3	623
AVERAGE DAILY		45	44	89	90.0%	9.5%	0.5%	100.0%

Posted Speed Limit: 40 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
29	29	35

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
29	29	36

NOTES:

Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
 Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
 Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
 VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 30

Time Period: 6/7/2014 thru 6/15/2014
 Count ID: WEA030-CLS/SPD
 Town: Weathersfield, VT
 Road: Amsden School Rd (TH-10)
 Location: 1000ft west of VT-131 (near blue house)

Average Daily Traffic Summary	
Average Weekday Traffic	410
Average Weekend Traffic	536
Average Daily Traffic	466
Annual Average Daily Traffic	440

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	6/7/2014	258	274	532				
S	6/8/2014	231	263	494				
M	6/9/2014	179	207	386				
T	6/10/2014	194	184	378				
W	6/11/2014	237	225	462				
T	6/12/2014	196	191	387				
F	6/13/2014	220	219	439				
S	6/14/2014	306	328	634				
S	6/15/2014	238	245	483				
TOTAL		2,059	2,136	4,195	3,702	452	41	4,195
AVERAGE DAILY		229	237	466	88.2%	10.8%	1.0%	100.0%

Posted Speed Limit: Unposted - therefore 50 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
27	28	33

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
32	33	39

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 31

Time Period: 6/7/2014 thru 6/15/2014
 Count ID: CAV031-CLS
 Town: Cavendish, VT
 Road: Brook Rd (TH-25)
 Location: 100 yds south of bridge

Average Daily Traffic Summary	
Average Weekday Traffic	114
Average Weekend Traffic	79
Average Daily Traffic	98
Annual Average Daily Traffic	90

Before reconstruction of VT-131 Bridge 1

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	6/7/2014	37	38	75				
S	6/8/2014	32	38	70				
M	6/9/2014	56	49	105				
T	6/10/2014	71	65	136				
W	6/11/2014	58	62	120				
T	6/12/2014	49	46	95				
F	6/13/2014	56	58	114				
S	6/14/2014	38	46	84				
S	6/15/2014	43	43	86				
TOTAL		440	445	885	810	67	8	885
AVERAGE DAILY		49	49	98	91.5%	7.6%	0.9%	100.0%

Posted Speed Limit: 35 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
Unavailable due to low volume		

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
Unavailable due to low volume		

NOTES:

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

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

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

VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 32

Time Period: 07/02/2014 thru 07/13/2014
 Count ID: CAV032-CLS
 Town: Cavendish, VT
 Road: Brook Rd (TH-25)
 Location: 100 yds south of bridge

Average Daily Traffic Summary	
Average Weekday Traffic	789
Average Weekend Traffic	755
Average Daily Traffic	778

During closure of VT-131 Bridge 1 when road used as detour

Note: Very low traffic on July 4th

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/2/2014	429	394	823				
T	7/3/2014	444	439	883				
F	7/4/2014	329	131	460				
S	7/5/2014	385	347	732				
S	7/6/2014	387	398	785				
M	7/7/2014	403	357	760				
T	7/8/2014	404	381	785				
W	7/9/2014	430	360	790				
T	7/10/2014	452	433	885				
F	7/11/2014	483	446	929				
S	7/12/2014	430	393	823				
S	7/13/2014	359	319	678				
TOTAL		4,935	4,398	9,333	8,059	1,346	110	9,515
AVERAGE DAILY		411	367	778	84.7%	14.1%	1.2%	98.1%

Posted Speed Limit: 35 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
28	28	33

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
31	31	36

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors not yet available to calculate AADT (to be released Spring 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 33

Time Period: 07/02/2014 thru 07/13/2014
 Count ID: SPR033_CLS/SPD
 Town: Springfield, VT
 Road: VT-11
 Location: 50 yards south of Seavers Brook Rd (TH-122)

Average Daily Traffic Summary	
Average Weekday Traffic	10,175
Average Weekend Traffic	7,428
Average Daily Traffic	9,259
Annual Average Daily Traffic	9,200

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/2/2014	4,957	5,073	10,030				
T	7/3/2014	5,563	5,743	11,306				
F	7/4/2014	3,195	3,290	6,485				
S	7/5/2014	3,718	3,810	7,528				
S	7/6/2014	3,450	3,558	7,008				
M	7/7/2014	5,091	5,172	10,263				
T	7/8/2014	5,224	5,322	10,546				
W	7/9/2014	5,258	5,305	10,563				
T	7/10/2014	5,532	5,605	11,137				
F	7/11/2014	5,500	5,568	11,068				
S	7/12/2014	4,158	4,190	8,348				
S	7/13/2014	3,413	3,413	6,826				
TOTAL		55,059	56,049	111,108	95,892	12,908	2,308	111,108
AVERAGE DAILY		4,588	4,671	9,259	86.3%	11.6%	2.1%	100.0%

Posted Speed Limit: 50 mph

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
44	43	50

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
52	50	61

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 34

Time Period: 7/18/2014 thru 7/23/2014
 Count ID: AND034-CLS/SPD
 Town: Andover, VT
 Road: VT-11
 Location: Between Hill Top Rd and Marsh Hill Rd. Attached to pole 6-11-4

Average Daily Traffic Summary	
Average Weekday Traffic	3,233
Average Weekend Traffic	3,195
Average Daily Traffic	3,221
Annual Average Daily Traffic	2,800

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
F	7/18/2014	1,910	1,916	3,826				
S	7/19/2014	1,563	1,590	3,153				
S	7/20/2014	1,562	1,675	3,237				
M	7/21/2014	1,524	1,608	3,132				
T	7/22/2014	1,479	1,492	2,971				
W	7/23/2014	1,522	1,482	3,004				
TOTAL		9,560	9,763	19,323	16,698	1,598	1,027	19,323
AVERAGE DAILY		1,593	1,627	3,221	86.4%	8.3%	5.3%	100.0%

Posted Speed Limit: 50 mph

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
49	49	55

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
50	50	55

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2014 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2015)

**Southern Windsor County Regional Planning Commission
2014 Traffic Count Summary**

Station # 35

Time Period: 7/18/2014 thru 7/23/2014
 Count ID: AND034-CLS/SPD
 Town: Andover, VT
 Road: Andover Ridge Rd (TH-49)
 Location: 0.7 miles from Andover Rd, near log landing on left and construction on right

Average Daily Traffic Summary	
Average Weekday Traffic	82
Average Weekend Traffic	70
Average Daily Traffic	78
Annual Average Daily Traffic	70

Day	Date	Vehicle Volumes			Vehicle Class			
		Toward end of road	Toward Weston-Andover Rd	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
F	7/18/2014	43	43	86				
S	7/19/2014	40	42	82				
S	7/20/2014	26	32	58				
M	7/21/2014	43	44	87				
T	7/22/2014	38	39	77				
W	7/23/2014	40	39	79				
TOTAL		230	239	469	366	96	7	469
AVERAGE DAILY		38	40	78	78.0%	20.5%	1.5%	100.0%

Posted Speed Limit: 50 mph

Vehicle Speeds (mph) Toward end of road		
Median	Average	85th Percentile
28	28	33

Vehicle Speeds (mph) Toward Weston-Andover Rd		
Median	Average	85th Percentile
27	26	32

NOTES:

- Passenger vehicle class includes motorcycles, passenger cars, pickup trucks and SUVs (FHWA Veh. Classes 1-3)
- Single-unit truck class includes school buses, 2-axle, 3-axle and 4-axle trucks (FHWA 4-7)
- Tractor-trailer truck class includes heavy-duty vehicles with more than four axles (FHWA 8-13)
- VTrans adjustment factors were used to calculate AADT (2015 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)