

# Southern Windsor County 2013 Traffic Count Program Summary

April 2014



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 4<sup>th</sup> 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 2013 count locations. Raw data is available by request. AADT calculations are based on the 2013 Continuous Traffic Counter Grouping Study and Regression Analysis (“Red Book”, VTrans, 2014). In 2013, the following counts were carried out in the region:

<i>Station</i>	<i>Town</i>	<i>Route/Road</i>	<i>Location</i>
<b>2</b>	CAVENDISH	VT 131	50' WEST OF POWER PLANT ROAD (TH68)
<b>3</b>	READING	VT 106	500' SOUTH OF FELCHVILLE SCHOOL ENTRANCE
<b>5</b>	SPRINGFIELD	VT 106	400' SOUTH OF VT 10
<b>6</b>	CHESTER	VT 10	1000' WEST OF NORTH MAIN STREET (NO. SPRI. TH 6)
<b>7</b>	CAVENDISH	VT 103	1000' SOUTH OF RT 131
<b>8</b>	LUDLOW	VT 100	1000' NORTH OF VT 103 (SOUTH OF ROD AND GUN CLUB ROAD)
<b>10</b>	LUDLOW	DUG RD (TH 4)	50' WEST OF PROSPECT ST (TH 306)
<b>12</b>	READING	TYSON RD (TH 1)	50' WEST OF PUCKERBRUSH RD (TH 48)
<b>17</b>	WEATHERSFIELD	VT 106	50' NORTH OF HIGH STREET (BY PERKINSVILLE GREEN) (TH 69)
<b>18</b>	CAVENDISH	TWENTY MILE STREAM RD (TH 3)	0.5 MILE NORTH OF VT 131
<b>19</b>	SPRINGFIELD	RESERVOIR RD (TH 9)	AT WEATHERFIELD/ SPRINGFIELD TOWN LINE
<b>2013_20</b>	SPRINGFIELD	Fairground Rd (TH-742, TH-29 and TH-336)	Just north of 166 Fairground Rd
<b>2013_23</b>	WEST WINDSOR	VT-44	0.25 miles west of Ski-Tow Rd (TH-2)
<b>2013_24</b>	SPRINGFIELD	Precision Drive	500ft south of Main Street (No. Springfield TH-6)

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” ([2013 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:

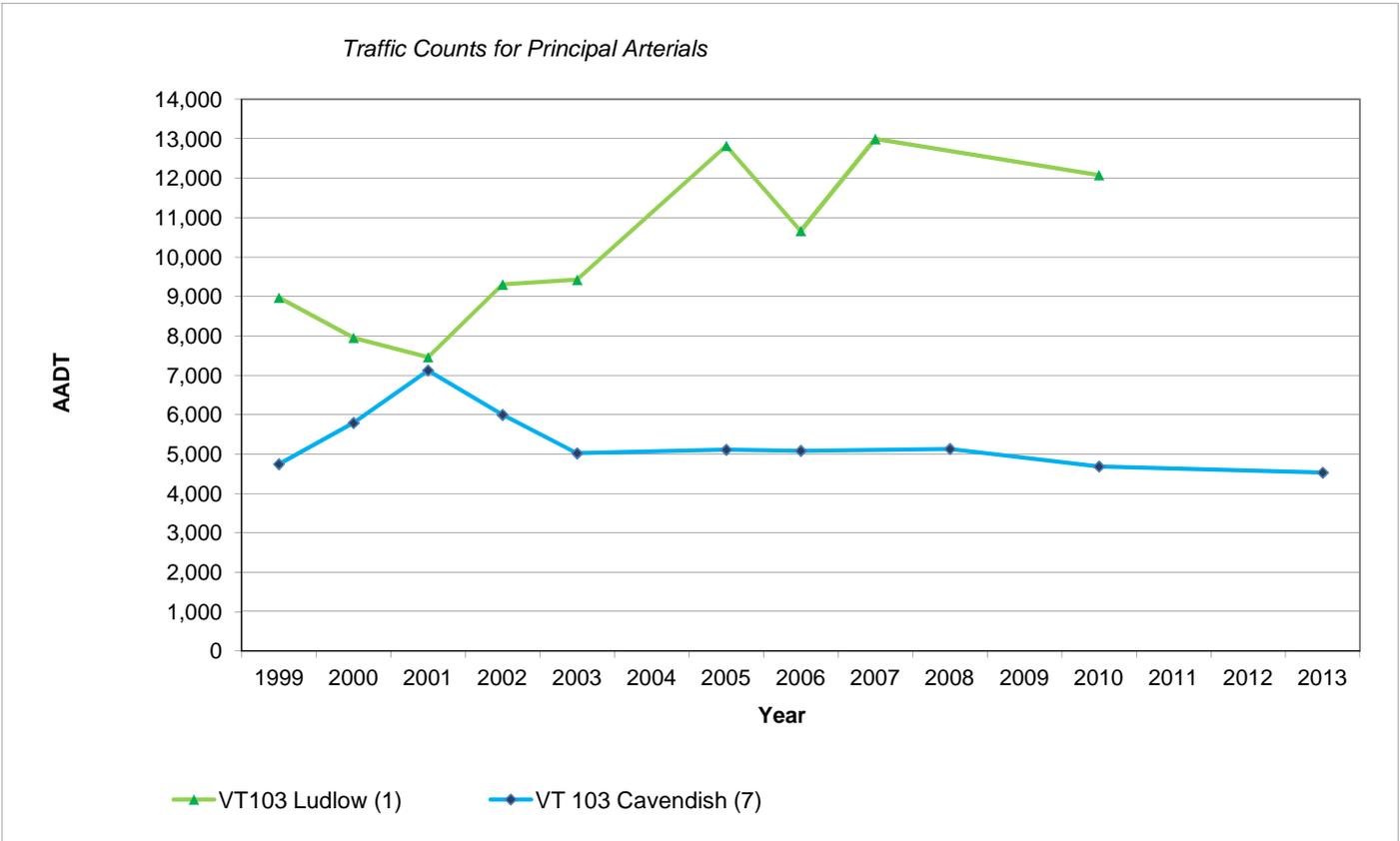
- **Median Speed** – Statistical measurement based on the 50<sup>th</sup> percentile vehicle speed at the specified location. One-half of the vehicles in the sample travel faster, and one-half travel slower than the median speed.
- **Average Speed** – Average or mean travel speed of all vehicles at a 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.

## 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.

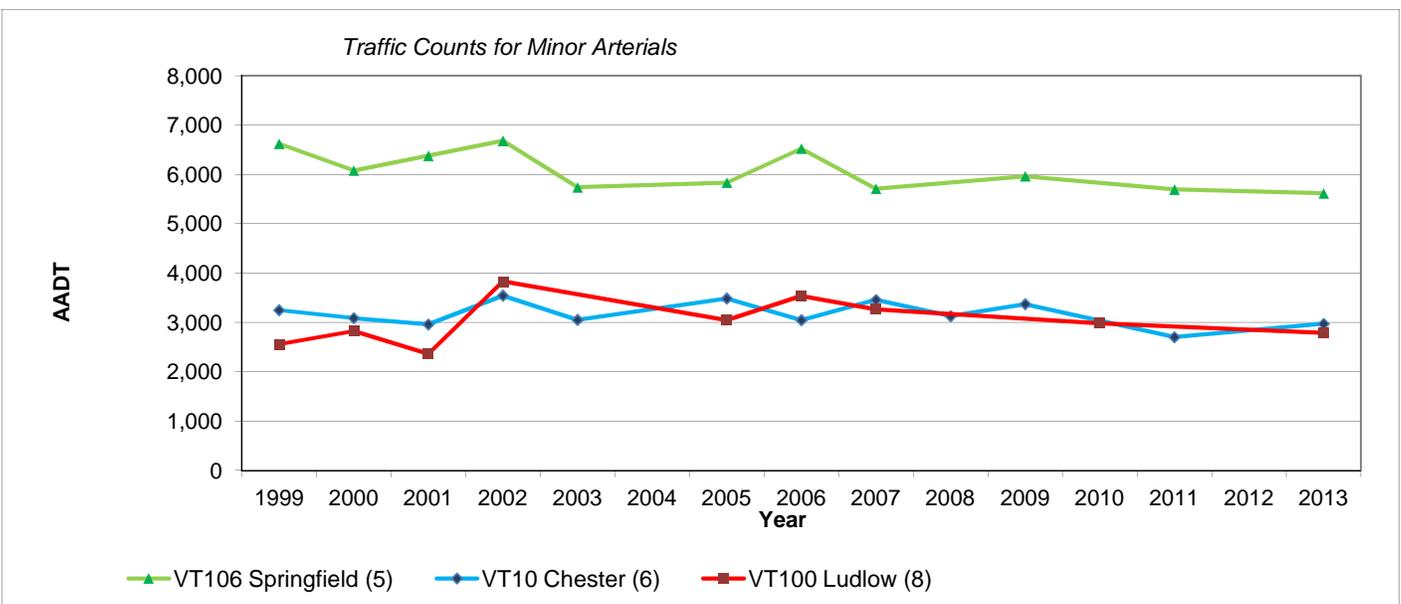
### Principal Arterial

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.



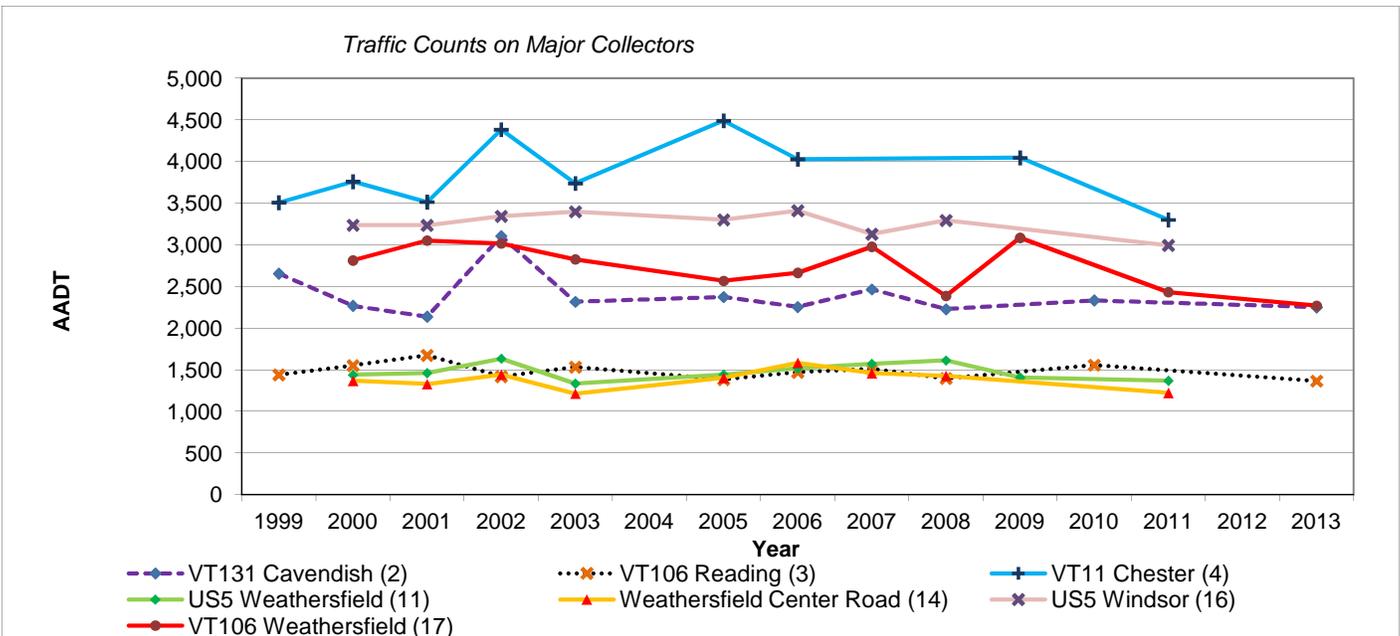
### Minor Arterial

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.



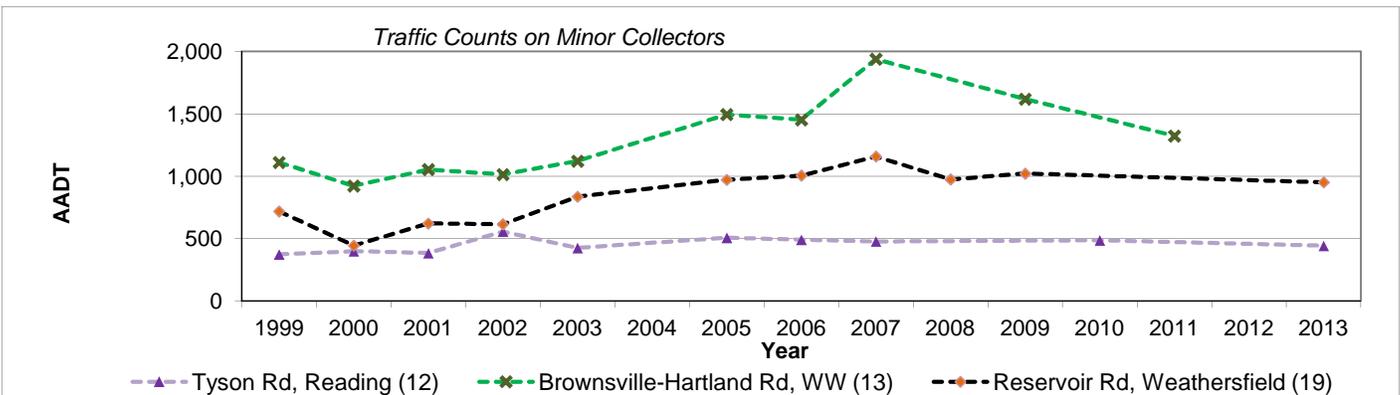
### Major Collector

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.



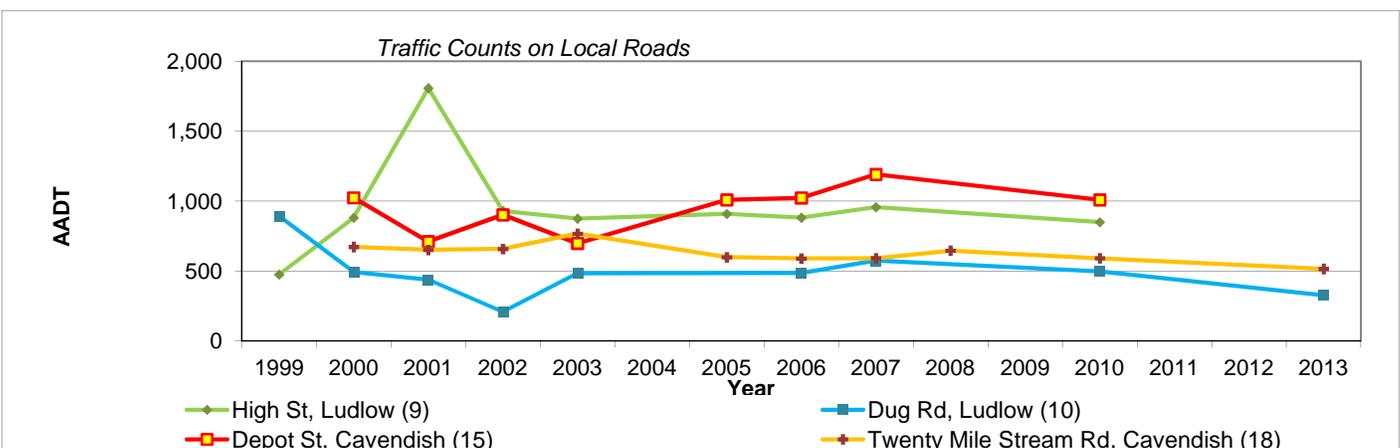
### Minor Collector

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  
2013 Traffic Count Summary**

**Station # 2**

Time Period: 07/09/2013 through 07/21/2013  
 Count ID: CAV002CLS/SPD  
 Town: Cavendish, VT  
 Road: VT-131 (Main St)  
 Location: 50' west of Power Plant Road

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	2,569
Average Weekend Traffic	2,433
Average Daily Traffic	2,527
Annual Average Daily Traffic	2,250

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
T	7/9/2013	1,140	1,162	2,302				
W	7/10/2013	1,193	1,191	2,384				
Th	7/11/2013	1,253	1,258	2,511				
F	7/12/2013	1,529	1,473	3,002				
S	7/13/2013	1,257	1,230	2,487				
S	7/14/2013	1,130	1,290	2,420				
M	7/15/2013	1,363	1,289	2,652				
T	7/16/2013	1,209	1,186	2,395				
W	7/17/2013	1,334	1,307	2,641				
Th	7/18/2013	1,254	1,250	2,504				
F	7/19/2013	1,399	1,330	2,729				
S	7/20/2013	1,221	1,189	2,410				
S	7/21/2013	1,159	1,254	2,413				
<b>TOTAL</b>		<b>16,441</b>	<b>16,409</b>	<b>32,850</b>	<b>30,299</b>	<b>1,947</b>	<b>604</b>	<b>32,850</b>
<b>AVERAGE DAILY</b>		<b>1,265</b>	<b>1,262</b>	<b>2,527</b>	<b>92.2%</b>	<b>5.9%</b>	<b>1.8%</b>	<b>100.0%</b>

**Posted Speed Limit: 50 mph**

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
<b>38</b>	<b>37</b>	<b>43</b>

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
<b>41</b>	<b>39</b>	<b>46</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 3**

Time Period: 08/17/2013 through 08/26/2013  
 Count ID: REA003CLS/SPD  
 Town: Reading, VT  
 Road: VT-106  
 Location: 500ft south of Felchville School Entrance

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	1,507
Average Weekend Traffic	1,523
Average Daily Traffic	1,513
Annual Average Daily Traffic	1,365

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	8/17/2013	783	744	1,527				
S	8/18/2013	705	694	1,399				
M	8/19/2013	736	738	1,474				
T	8/20/2013	748	717	1,465				
W	8/21/2013	795	772	1,567				
T	8/22/2013	754	789	1,543				
F	8/23/2013	830	800	1,630				
S	8/24/2013	854	820	1,674				
S	8/25/2013	750	742	1,492				
M	8/26/2013	663	697	1,360				
<b>TOTAL</b>		<b>7,618</b>	<b>7,513</b>	<b>15,131</b>	<b>13,568</b>	<b>1,325</b>	<b>238</b>	<b>15,131</b>
<b>AVERAGE DAILY</b>		<b>762</b>	<b>751</b>	<b>1,513</b>	<b>89.7%</b>	<b>8.8%</b>	<b>1.6%</b>	<b>100.0%</b>

**Posted Speed Limit: 35 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>37</b>	<b>38</b>	<b>43</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>39</b>	<b>39</b>	<b>44</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 5**

Time Period: 08/15/2013 through 08/26/2013  
 Count ID: SPR005CLS/SPD  
 Town: Springfield, VT  
 Road: VT-106  
 Location: 400ft south of VT-10

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	7,033
Average Weekend Traffic	5,071
Average Daily Traffic	6,379
Annual Average Daily Traffic	5,617

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
Th	8/15/2013	3,528	3,443	6,971				
F	8/16/2013	3,589	3,408	6,997				
S	8/17/2013	2,741	2,669	5,410				
S	8/18/2013	2,263	2,321	4,584				
M	8/19/2013	3,429	3,371	6,800				
T	8/20/2013	3,546	3,453	6,999				
W	8/21/2013	3,515	3,452	6,967				
Th	8/22/2013	3,549	3,494	7,043				
F	8/23/2013	3,762	3,734	7,496				
S	8/24/2013	2,887	2,843	5,730				
S	8/25/2013	2,283	2,277	4,560				
M	8/26/2013	3,361	3,628	6,989				
<b>TOTAL</b>		<b>38,453</b>	<b>38,093</b>	<b>76,546</b>	<b>68,179</b>	<b>6,921</b>	<b>1,446</b>	<b>76,546</b>
<b>AVERAGE DAILY</b>		<b>3,204</b>	<b>3,174</b>	<b>6,379</b>	<b>89.1%</b>	<b>9.0%</b>	<b>1.9%</b>	<b>100.0%</b>

**Posted Speed Limit: 50 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>41</b>	<b>41</b>	<b>46</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>43</b>	<b>43</b>	<b>49</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 6**

Time Period: 08/15/2013 through 08/26/2013  
 Count ID: CHE006CLS/SPD  
 Town: Chester, VT  
 Road: VT-10  
 Location: 1000ft west of North Main St (North Springfield TH-6)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	3,698
Average Weekend Traffic	2,726
Average Daily Traffic	3,374
Annual Average Daily Traffic	2,973

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
Th	8/15/2013	1,876	1,876	3,752				
F	8/16/2013	1,836	1,770	3,606				
S	8/17/2013	1,465	1,463	2,928				
S	8/18/2013	1,169	1,185	2,354				
M	8/19/2013	1,733	1,739	3,472				
T	8/20/2013	1,806	1,805	3,611				
W	8/21/2013	1,798	1,804	3,602				
Th	8/22/2013	1,820	1,838	3,658				
F	8/23/2013	2,008	1,999	4,007				
S	8/24/2013	1,566	1,515	3,081				
S	8/25/2013	1,263	1,278	2,541				
M	8/26/2013	1,751	2,127	3,878				
<b>TOTAL</b>		<b>20,091</b>	<b>20,399</b>	<b>40,490</b>	<b>37,408</b>	<b>2,156</b>	<b>923</b>	<b>40,487</b>
<b>AVERAGE DAILY</b>		<b>1,674</b>	<b>1,700</b>	<b>3,374</b>	<b>92.4%</b>	<b>5.3%</b>	<b>2.3%</b>	<b>100.0%</b>

**Posted Speed Limit: 50 mph**

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
<b>49</b>	<b>49</b>	<b>54</b>

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
<b>46</b>	<b>46</b>	<b>51</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 7**

Time Period: 07/12/2013 through 07/16/2013  
 Count ID: CAV007CLS/SPD  
 Town: Cavendish, VT  
 Road: VT-103  
 Location: 1000' south of VT-131

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	5,242
Average Weekend Traffic	4,731
Average Daily Traffic	5,038
Annual Average Daily Traffic	4,528

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
F	7/12/2013	3,408	2,606	6,014				
S	7/13/2013	2,421	2,243	4,664				
S	7/14/2013	1,891	2,906	4,797				
M	7/15/2013	2,417	2,542	4,959				
T	7/16/2013	2,386	2,368	4,754				
<b>TOTAL</b>		<b>12,523</b>	<b>12,665</b>	<b>25,188</b>	<b>22,042</b>	<b>2,072</b>	<b>1,074</b>	<b>25,188</b>
<b>AVERAGE DAILY</b>		<b>2,505</b>	<b>2,533</b>	<b>5,038</b>	<b>87.5%</b>	<b>8.2%</b>	<b>4.3%</b>	<b>100.0%</b>

**Posted Speed Limit: 50 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>54</b>	<b>53</b>	<b>60</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>48</b>	<b>47</b>	<b>53</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 8**

Time Period: 08/17/2013 through 08/26/2013  
 Count ID: LUD008CLS/SPD  
 Town: Ludlow, VT  
 Road: VT-100  
 Location: 1000ft north of VT-103 (south of Rod and Gun Club Road)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	2,335
Average Weekend Traffic	2,639
Average Daily Traffic	2,436
Annual Average Daily Traffic	2,791

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	10/19/2013	1,445	1,412	2,857				
S	10/20/2013	1,046	1,374	2,420				
M	10/21/2013	1,165	1,224	2,389				
T	10/22/2013	1,144	1,197	2,341				
W	10/23/2013	1,144	1,090	2,234				
T	10/24/2013	1,222	1,155	2,377				
<b>TOTAL</b>		<b>7,166</b>	<b>7,452</b>	<b>14,618</b>	<b>13,572</b>	<b>912</b>	<b>134</b>	<b>14,618</b>
<b>AVERAGE DAILY</b>		<b>1,194</b>	<b>1,242</b>	<b>2,436</b>	<b>92.8%</b>	<b>6.2%</b>	<b>0.9%</b>	<b>100.0%</b>

**Posted Speed Limit: 40 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
40	40	46

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

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 10**

Time Period: 09/18/2013 through 10/02/2013  
 Count ID: LUD010CLS/SPD  
 Town: Ludlow, VT  
 Road: Dug Rd (TH-4)  
 Location: 50ft west of Prospect St (TH-306)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	348
Average Weekend Traffic	329
Average Daily Traffic	343
Annual Average Daily Traffic	327

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	9/18/2013	313		313				
T	9/19/2013	377		377				
F	9/20/2013	438		438				
S	9/21/2013	345		345				
S	9/22/2013	252		252				
M	9/23/2013	342		342				
T	9/24/2013	339		339				
W	9/25/2013	337		337				
Th	9/26/2013	324		324				
F	9/27/2013	386		386				
S	9/28/2013	412		412				
S	9/29/2013	307		307				
M	9/30/2013	306		306				
T	10/1/2013	323		323				
W	10/2/2013	341		341				
<b>TOTAL</b>		5,142	0	5,142	5,036	94	12	5,142
<b>AVERAGE DAILY</b>		<b>343</b>	<b>0</b>	<b>343</b>	<b>97.9%</b>	<b>1.8%</b>	<b>0.2%</b>	<b>100.0%</b>

**Posted Speed Limit: 30 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
31	32	37

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
Not applicable (one way street)		

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 12**

Time Period: 8/28/2013 through 09/02/2013  
 Count ID: REA012CLS/SPD  
 Town: Reading, VT  
 Road: Tyson Road (TH-1)  
 Location: 50ft west of Puckerbrush Rd (TH-48)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	489
Average Weekend Traffic	488
Average Daily Traffic	489
Annual Average Daily Traffic	442

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	8/28/2013	261	266	527				
Th	8/29/2013	238	248	486				
F	8/30/2013	271	278	549				
S	8/31/2013	284	224	508				
S	9/1/2013	240	228	468				
M	9/2/2013	180	215	395				
<b>TOTAL</b>		<b>1,474</b>	<b>1,459</b>	<b>2,933</b>	<b>2,723</b>	<b>191</b>	<b>19</b>	<b>2,933</b>
<b>AVERAGE DAILY</b>		<b>246</b>	<b>243</b>	<b>489</b>	<b>92.8%</b>	<b>6.5%</b>	<b>0.6%</b>	<b>100.0%</b>

**Posted Speed Limit: 40 mph**

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
37	35	43

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
39	38	47

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 17**

Time Period: 08/03/2013 through 08/11/2013  
 Count ID: WEA017CLS/SPD  
 Town: Weathersfield, VT  
 Road: VT-106  
 Location: 50' north of High St (TH-69) by Perkinsville Green

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	2,708
Average Weekend Traffic	2,365
Average Daily Traffic	2,556
Annual Average Daily Traffic	2,269

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	8/3/2013	1,231	1,269	2,500				
S	8/4/2013	1,026	1,058	2,084				
M	8/5/2013	1,305	1,313	2,618				
T	8/6/2013	1,374	1,400	2,774				
W	8/7/2013	1,376	1,405	2,781				
Th	8/8/2013	1,311	1,346	2,657				
F	8/9/2013	1,361	1,348	2,709				
S	8/10/2013	1,332	1,356	2,688				
S	8/11/2013	1,046	1,143	2,189				
<b>TOTAL</b>		<b>11,362</b>	<b>11,638</b>	<b>23,000</b>	<b>21,081</b>	<b>1,559</b>	<b>360</b>	<b>23,000</b>
<b>AVERAGE DAILY</b>		<b>1,262</b>	<b>1,293</b>	<b>2,556</b>	<b>91.7%</b>	<b>6.8%</b>	<b>1.6%</b>	<b>100.0%</b>

**Posted Speed Limit: 35mph**

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

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

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 18**

Time Period: 07/12/2013 through 07/28/2013  
 Count ID: CAV002CLS/SPD  
 Town: Cavendish, VT  
 Road: VT-131 (Main St)  
 Location: 50' west of Power Plant Road

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	586
Average Weekend Traffic	573
Average Daily Traffic	582
Annual Average Daily Traffic	516

Day	Date	Vehicle Volumes			Vehicle Class			Total
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	
F	7/12/2013	335	298	633				
S	7/13/2013	275	260	535				
S	7/14/2013	226	256	482				
M	7/15/2013	280	313	593				
T	7/16/2013	269	270	539				
W	7/17/2013	294	291	585				
Th	7/18/2013	306	289	595				
F	7/19/2013	320	314	634				
S	7/20/2013	285	272	557				
S	7/21/2013	245	261	506				
M	7/22/2013	248	284	532				
T	7/23/2013	246	260	506				
W	7/24/2013	260	263	523				
Th	7/25/2013	316	308	624				
F	7/26/2013	352	330	682				
S	7/27/2013	436	405	841				
S	7/28/2013	235	284	519				
<b>TOTAL</b>		<b>4,928</b>	<b>4,958</b>	<b>9,886</b>	<b>9,332</b>	<b>504</b>	<b>50</b>	<b>9,886</b>
<b>AVERAGE DAILY</b>		<b>290</b>	<b>292</b>	<b>582</b>	<b>94.4%</b>	<b>5.1%</b>	<b>0.5%</b>	<b>100.0%</b>

**Posted Speed Limit: 35 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>35</b>	<b>35</b>	<b>41</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>37</b>	<b>37</b>	<b>43</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis , VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 19**

Time Period: 07/31/2013 through 08/11/2013  
 Count ID: SPR019CLS/SPD  
 Town: Springfield, VT  
 Road: Reservoir Road (Springfield TH 9)  
 Location: At Weathersfield/ Springfield Townline

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	1,152
Average Weekend Traffic	979
Average Daily Traffic	1,094
Annual Average Daily Traffic	951

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
W	7/31/2013	579	580	1,159				
Th	8/1/2013	534	580	1,114				
F	8/2/2013	652	635	1,287				
S	8/3/2013	520	531	1,051				
S	8/4/2013	435	481	916				
M	8/5/2013	572	594	1,166				
T	8/6/2013	585	589	1,174				
W	8/7/2013	570	592	1,162				
Th	8/8/2013	555	545	1,100				
F	8/9/2013	528	525	1,053				
S	8/10/2013	514	518	1,032				
S	8/11/2013	459	457	916				
<b>TOTAL</b>		<b>6,503</b>	<b>6,627</b>	<b>13,130</b>	<b>12,432</b>	<b>646</b>	<b>52</b>	<b>13,130</b>
<b>AVERAGE DAILY</b>		<b>542</b>	<b>552</b>	<b>1,094</b>	<b>94.7%</b>	<b>4.9%</b>	<b>0.4%</b>	<b>100.0%</b>

**Posted Speed Limit: 40mph southbound (approaching 25mph limit), 25mph northbound**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>36</b>	<b>37</b>	<b>42</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>35</b>	<b>36</b>	<b>41</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 20**

Time Period: 05/04/13 through 05/12/13  
 Count ID: SPR20SPD/CLS  
 Town: Springfield, VT  
 Road: Fairground Rd (TH-742, continuation of TH-29 and TH-336)  
 Location: Just north of 166 Fairground Rd

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	1,138
Average Weekend Traffic	1,008
Average Daily Traffic	1,081
Annual Average Daily Traffic	1,056

Day	Date	Vehicle Volumes			Vehicle Class			Total
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	
S	5/4/2013	703	551	1,254				
S	5/5/2013	368	364	732				
M	5/6/2013	655	567	1,222				
T	5/7/2013	598	468	1,066				
W	5/8/2013	620	525	1,145				
T	5/9/2013	608	526	1,134				
F	5/10/2013	627	498	1,125				
S	5/11/2013	669	609	1,278				
S	5/12/2013	403	366	769				
<b>TOTAL</b>		<b>5,251</b>	<b>4,474</b>	<b>9,725</b>	<b>8,511</b>	<b>1,182</b>	<b>32</b>	<b>9,725</b>
<b>AVERAGE DAILY</b>		<b>583</b>	<b>497</b>	<b>1,081</b>	<b>87.5%</b>	<b>12.2%</b>	<b>0.3%</b>	<b>100.0%</b>

**Posted Speed Limit: 35 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
<b>41</b>	<b>41</b>	<b>46</b>

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
<b>42</b>	<b>43</b>	<b>49</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)
- Road near Town Highway Garage so slightly higher percentage of single-unit trucks than normal.

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 23**

Time Period: 8/30/2013 through 09/08/2013  
 Count ID: WW023 A/B CLS/SPD  
 Town: West Windsor, VT  
 Road: VT-44  
 Location: 0.25 miles west of Ski-Tow Rd (TH-2)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	2,027
Average Weekend Traffic	1,734
Average Daily Traffic	1,910
Annual Average Daily Traffic	1,889

Day	Date	Vehicle Volumes			Vehicle Class			
		WB	EB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
F	8/30/2013	1,153	1,127	2,280				
S	8/31/2013	934	858	1,792				
S	9/1/2013	871	854	1,725				
M	9/2/2013	706	783	1,489				
T	9/3/2013	959	979	1,938				
W	9/4/2013	1,037	1,026	2,063				
T	9/5/2013	1,081	1,073	2,154				
F	9/6/2013	1,129	1,111	2,240				
S	9/7/2013	968	939	1,907				
S	9/8/2013	754	758	1,512				
<b>TOTAL</b>		<b>9,592</b>	<b>9,508</b>	<b>19,100</b>	<b>17,957</b>	<b>1,001</b>	<b>142</b>	<b>19,100</b>
<b>AVERAGE DAILY</b>		<b>959</b>	<b>951</b>	<b>1,910</b>	<b>94.0%</b>	<b>5.2%</b>	<b>0.7%</b>	<b>100.0%</b>

**Posted Speed Limit: 40 mph**

Vehicle Speeds (mph) Westbound		
Median	Average	85th Percentile
<b>38</b>	<b>38</b>	<b>43</b>

Vehicle Speeds (mph) Eastbound		
Median	Average	85th Percentile
<b>41</b>	<b>41</b>	<b>46</b>

**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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)

**Southern Windsor County Regional Planning Commission  
2013 Traffic Count Summary**

**Station # 24**

Time Period: 10/19/2013 through 10/24/2013  
 Count ID: SPR024CLS/SPD  
 Town: Springfield, VT  
 Road: Precision Drive (No. Spr TH-706)  
 Location: 500ft south of Main Street (North Springfield TH-6)

<b>Average Daily Traffic Summary</b>	
Average Weekday Traffic	1,222
Average Weekend Traffic	165
Average Daily Traffic	869
Annual Average Daily Traffic	813

Day	Date	Vehicle Volumes			Vehicle Class			
		NB	SB	Total	Passenger Vehicles	Single-Unit Trucks	Tractor-Trailer Trucks	Total
S	10/19/2013	113	98	211				
S	10/20/2013	61	58	119				
M	10/21/2013	577	598	1,175				
T	10/22/2013	598	600	1,198				
W	10/23/2013	622	621	1,243				
T	10/24/2013	638	632	1,270				
<b>TOTAL</b>		<b>2,609</b>	<b>2,607</b>	<b>5,216</b>	<b>4,233</b>	<b>524</b>	<b>459</b>	<b>5,216</b>
<b>AVERAGE DAILY</b>		<b>435</b>	<b>435</b>	<b>869</b>	<b>81.2%</b>	<b>10.0%</b>	<b>8.8%</b>	<b>100.0%</b>

**Posted Speed Limit: 25 mph**

Vehicle Speeds (mph) Northbound		
Median	Average	85th Percentile
30	30	36

Vehicle Speeds (mph) Southbound		
Median	Average	85th Percentile
29	30	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 (2013 Continuous Traffic Counter Grouping Study and Regression Analysis, VTrans 2014)