

**2011**

**Virginia Department of Transportation  
Daily Traffic Volume Estimates  
Including Vehicle Classification Estimates**

where available

**Special Locality Report**

**312**

Town of Timberville

Information in this report is included in Report

**82**

(Rockingham County)

Prepared By

**Virginia Department of Transportation  
Traffic Engineering Division**

In Cooperation With

**U.S. Department of Transportation  
Federal Highway Administration**

Virginia Department of Transportation  
Traffic Engineering Division  
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled “Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes” includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled “Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99”.

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people of the VDOT Traffic Engineering Division Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

## **Publication Notes**

### **Parallel Roads**

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

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VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT Traffic Engineering Division Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

**Route:** The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

**Length:** Length of the traffic segment in miles.

**AADT:** Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

**QA:** Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

**4Tire:** Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

**Bus:** Percentage of the traffic volume made up of busses.

**2Axle Truck:** Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

**3+Axle Truck:** Percentage of the traffic volume made up of single unit trucks with three or more axles.

**1Trail Truck:** Percentage of the traffic volume made up of units with a single trailer.

**2Trail Truck:** Percentage of the traffic volume made up of units with more than one trailer.

**QC:** Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

**K Factor:** The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

**QK:** Quality of the K Factor estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Design Hour Factor (K Factor) of Similar Neighboring Traffic Link
- O Provided by External Source

**Dir Factor:** The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

**AAWDT:** Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

**QW:** Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

**Year:** Year for which the published values are appropriate. If the Quality of AADT (QA) is “R”, the year is the year that the raw traffic count was collected, and if available,

## Route Shield Legend

### Route Systems

 Interstate Route      Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.

 US Route

 Virginia State Route

 Frontage Road (F precedes frontage route number)

 Secondary Route

### Special Routes

 Bus - Business Route  
 Bypas - Bypass Route  
 Truck - Truck Route  
 ALT - Alternate Route  
 Wye - Wye Route connector

 P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.

 The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

Virginia Department of Transportation  
Traffic Engineering Division  
2011  
Annual Average Daily Traffic Volume Estimates By Section of Route  
Town of Timberville

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axe	3+Axe	1Trail	2Trail						
(42) Forestville Rd	Town of Timberville (Maint: 82)	0.18	9800	N	96%	0%	1%	1%	2%	0%	N	0.088	N	0.527	10000	N
(42) Forestville Rd	Town of Timberville (Maint: 82)	0.68	5300	G	96%	0%	1%	2%	1%	0%	F	0.093	F	0.627	5600	G
(42) Forestville Rd	Town of Timberville (Maint: 82)	0.41	2200	G	96%	0%	1%	2%	1%	0%	C	0.092	F	0.55	2300	G
(211) New Market Rd	Town of Timberville (Maint: 82)	0.69	3200	G	91%	1%	2%	1%	5%	0%	C	0.088	F	0.527	3300	G

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Timberville</b>																
(617) Church St	0.06	1900	G								0.097	N	0.547	1900	G	2011
						From:				WCL Timberville						
						To:				SR 42 N, Forestville Rd						
(617) Church St	0.19	1200	G	97%	0%	1%	1%	1%	0%	F	0.096	F	0.521	1200	G	2011
						From:				SR 42 S, Forestville Rd						
(617) Church St	0.17	1100	G	97%	0%	1%	1%	1%	0%	F	0.093	F	0.532	1100	G	2011
						To:				82-1504 High St						
						From:				ECL Timberville						
(618) Lone Pine Rd	0.50	1900	R									NA		NA		05/17/2006
						From:				82-793 Long Meadow Dr						
(618) Lone Pine Rd	0.16	1800	G	97%	0%	1%	1%	0%	0%	C	0.095	F	0.521	1900	G	2011
						To:				SR 211 New Market Rd						
(800) Co-op Dr	0.01	1500	N									NA		NA		03/24/2009
						From:				SCL Timberville						
(800) Co-op Dr	0.36	1500	R									NA		NA		05/17/2006
						To:				82-618 N, Lone Pine Rd						
(800) Co-op Dr	0.06	3300	R									NA		NA		03/24/2009
						From:				Dead End; Gap						
(800) Co-op Dr	0.07	3600	R									NA		NA		05/17/2006
						To:				SR 42 S; Gap						
(800) Co-op Dr	0.04	4200	R									NA		NA		03/24/2009
						From:				82-1511 S, Second Ave						
(800) Co-op Dr	0.02	4100	R									NA		NA		03/24/2009
						To:				82-1510 E, Third Ave						
(800) Co-op Dr	0.05	2900	R									NA		NA		05/17/2006
						From:				82-1510 W, Third Ave						
(800) Co-op Dr	0.04	4000	R									NA		NA		03/29/2009
						To:				82-1509 Fourth Ave						
(800) Co-op Dr	0.09	3000	R									NA		NA		03/24/2009
						From:				82-1508 S, Fifth Ave						
(881) Orchard Dr	0.24	1600	G	98%	0%	1%	1%	1%	0%	C	0.098	F	0.631	1700	G	2011
						To:				SR 42 Forestville Rd						
(1501) Bellevue St	0.05	170	R									NA		NA		03/31/2009
						From:				SR 42 Forestville Rd						
(1501) Bellevue St	0.06	100	R									NA		NA		03/31/2009
						To:				82-1503 Park Ave						
(1501) Bellevue St	0.06	60	R									NA		NA		03/31/2009
						From:				82-1502 Cherry St						
(1502) Cherry St	0.10	60	R									NA		NA		03/31/2009
						To:				82-1504 Montevideo St						
(1503) Park Ave	0.12	70	R									NA		NA		03/31/2009
						From:				82-1505 Belvedere St						
(1504) High St	0.20	160	R									NA		NA		03/31/2009
						To:				82-617 Church St						
(1504) Montevideo St	0.15	60	R									NA		NA		03/31/2009
						From:				82-1505 Belvedere St						
						To:				82-1501 Bellevue St						

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Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail						
<b>Town of Timberville</b>															
(1505) Belvedere St	0.07	260	R			From:	SR 42 Forestville Rd				NA		NA	03/31/2009	
(1505) Belvedere St	0.08	160	R			To:	82-1503 Park Ave				NA		NA	03/31/2009	
(1505) Belvedere St	0.01	140	R			From:	82-1502 Cherry St				NA		NA	03/31/2009	
(1506) C St	0.33	130	R			To:	82-1504 Montevideo St				NA		NA	03/26/2009	
(1507) Riverside Dr	0.24	430	R			From:	SR 42 Forestville Rd				NA		NA	03/26/2009	
(1507) Maple Ave	0.55	960	R			To:	82-1530 Co-op Dr				NA		NA	03/26/2009	
(1507) Maple Ave	0.02	950	R			From:	SR 42 Forestville Rd				NA		NA	03/26/2009	
(1508) Fifth Ave	0.19	350	R			To:	82-1519 N, Walnut Drive				NA		NA	03/26/2009	
(1508) Fifth Ave	0.13	130	R			From:	82-1519 S, Walnut Dr				NA		NA	03/26/2009	
(1509) Fourth Ave	0.05	150	R			To:	SR 211 New Market Rd				NA		NA	03/26/2009	
(1509) Fourth Ave	0.13	130	R			From:	82-800 Co-op Dr				NA		NA	03/26/2009	
(1510) Third Ave	0.05	70	R			To:	82-1530 Co-op Dr				NA		NA	03/26/2009	
(1510) Third Ave	0.13	130	R			From:	82-800 S, Co-op Dr				NA		NA	03/26/2009	
(1511) Second Ave	0.07	190	R			To:	82-1517 Fourth St				NA		NA	03/26/2009	
(1511) Second Ave	0.08	190	R			From:	82-1517 Fourth St				NA		NA	03/26/2009	
(1511) Second Ave	0.10	140	R			To:	82-1517 Foruth St				NA		NA	03/26/2009	
(1512) First Ave	0.08	280	R			From:	82-1517 Fourth St				NA		NA	03/26/2009	
(1512) First Ave	0.08	220	R			To:	82-1513 Fifth St				NA		NA	03/26/2009	
(1512) First Ave	0.10	140	R			From:	82-1513 Fifth St				NA		NA	03/26/2009	
(1513) Fifth St	0.06	110	R			To:	82-1517 Fourth St				NA		NA	03/26/2009	
(1513) Fifth St	0.05	250	R			From:	82-1530 Co-op Dr				NA		NA	03/26/2009	
(1514) Virginia Ave	0.07	600	R			To:	82-1511 Second Ave				NA		NA	03/26/2009	
(1514) Virginia Ave						From:	82-1512 First Ave				NA		NA	03/26/2009	
(1514) Virginia Ave						To:	SR 42 Forestville Rd				NA		NA	03/26/2009	
(1514) Virginia Ave						From:	SR 42 Forestville Rd				NA		NA	03/26/2009	
(1514) Virginia Ave						To:	82-1515 Center St				NA		NA	03/26/2009	

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						2Axle	3+Axle	1Trail	2Trail						
<b>Town of Timberville</b>															
(1514) Virginia Ave	0.28	240	R			From:	82-1515 Center St				NA		NA	03/26/2009	
			To:				SR 211 New Market Rd								
(1515) Center St	0.10	540	R			From:	SR 211 New Market Rd				NA		NA	03/26/2009	
			To:				82-1516 Shenandoah Ave								
(1515) Center St	0.10	400	R			From:	82-1514 Virginia Ave				NA		NA	03/26/2009	
			To:				82-1515 Center St								
(1516) Shenandoah Ave	0.08	110	R			From:	82-1515 Center St				NA		NA	03/26/2009	
			To:				Dead End								
(1517) Fourth St	0.03	80	R			From:	82-1509 Fourth Ave				NA		NA	03/26/2009	
			To:				82-1510 Third Ave								
(1517) Fourth St	0.06	70	R			From:	82-1510 Third Ave				NA		NA	03/26/2009	
			To:				82-1511 Second Ave								
(1517) Fourth St	0.06	120	R			From:	82-1511 Second Ave				NA		NA	03/26/2009	
			To:				82-1512 First Ave								
(1517) Fourth St	0.05	270	R			From:	82-1512 First Ave				NA		NA	03/26/2009	
			To:				SR 42; SR 211								
(1519) Walnut Dr	0.06	320	R			From:	82-1507 S, Maple Ave				NA		NA	03/26/2009	
			To:				82-1520 S, Oak St								
(1519) Walnut Dr	0.20	110	R			From:	82-1520 S, Oak St				NA		NA	03/26/2009	
			To:				82-1520 N, Oak St								
(1519) Walnut Dr	0.13	190	R			From:	82-1520 N, Oak St				NA		NA	03/26/2009	
			To:				82-1507 N, Maple Ave								
(1520) Oak St	0.09	140	R			From:	82-1519 S, Walnut Dr				NA		NA	03/26/2009	
			To:				82-1522 Pine St								
(1520) Oak St	0.11	50	R			From:	82-1522 Pine St				NA		NA	03/26/2009	
			To:				82-1519 N, Walnut Dr								
(1521) E Riverside Dr	0.43	280	R			From:	82-617 W, Church St				NA		NA	03/31/2009	
			To:				ECL Timberville								
(1522) Pine St	0.05	70	R			From:	82-1507 Maple Ave				NA		NA	03/26/2009	
			To:				82-1520 Oak St								
(1523) Hollar Circle	0.10	130	R			From:	82-1520 Oak St				NA		NA	03/31/2009	
			To:				Dead End								
(1524) Ridge Court	0.08	120	R			From:	Cul-de-Sac				NA		NA	03/31/2009	
			To:				82-1528 Lincoln Ct								
(1524) Ridge Court	0.03	310	R			From:	82-1528 Lincoln Ct				NA		NA	03/31/2009	
			To:				82-1525 Ridge Court								
(1524) Ridge Court	0.07	430	R			From:	82-1525 Ridge Court				NA		NA	03/31/2009	
			To:				SR 211 New Market Rd								
(1525) Ridge Court	0.07	90	R			From:	82-1524 Ridge Court				NA		NA	03/26/2009	
			To:				82-1526 Williamsport Rd								
(1525) Ridge Court	0.06	100	R			From:	82-1526 Williamsport Rd				NA		NA	03/26/2009	
			To:				Cul-de-Sac								

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						2Axle	3+Axle	1Trail	2Trail						
<b>Town of Timberville</b>															
(1526) R2 Williamsport Rd	0.06	130	R			From:	82-1525 Ridge Court				NA		NA	03/26/2009	
(1526) R2 Williamsport Rd	0.03	350	R			To:	82-1527 Sherrando Court				NA		NA	03/26/2009	
						From:	SR 211 New Market Rd								
(1527) R2 Sherrando Court	0.10	440	R			From:	82-1526 Williamsport Rd				NA		NA	03/26/2009	
						To:	Cul-de-Sac								
(1528) R2 Lincoln Ct	0.08	110	R			From:	Cul-de-Sac				NA		NA	03/31/2009	
						To:	82-1524 Ridge Court								
(1529) R2 Riggleman Dr	0.18	370	R			From:	Cul-de-Sac				NA		NA	08/24/2000	
						To:	82-1507 Maple Ave								
(1530) R2 Co-op Dr	0.04	630	R			From:	WCL Timberville N				NA		NA	10/14/2003	
						To:	82-1508 N, Fifth Ave								
(1530) R2 Co-op Dr	0.08	860	R			From:	82-1509 N, Fourth Ave				NA		NA	12/03/2003	
						To:	82-1510 N, Third Ave								
(1530) R2 Co-op Dr	0.08	950	R			From:	82-1511 N, Second Ave				NA		NA	12/08/2003	
						To:	82-1507 Riverside Dr								
(1530) R2 Co-op Dr	0.05	1100	R			From:	82-1512 NORTH First Ave				NA		NA	08/24/2000	
						To:	82-1512 N, First Ave								
(1530) R2 Co-op Dr	0.06	860	R			From:	SR 42 N, Forestville Rd				NA		NA	10/01/2003	
						To:									