

2014
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.

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

- North
 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
 Bypass - Bypass Route
 Truck - Truck Route
 ALT - Alternate Route
 Wve - Wve 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
 2014
 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	
							2Axle	3+Axle	1Trail	2Trail							
	From:	SCL Timberville															
42 Forestville Rd	Town of Timberville (Maint: 82)	0.18	11000	N	96%	1%	1%	1%	2%	0%	N	0.094	N	0.531	12000	N	
	To:	SR 211 New Market Rd															
42 Forestville Rd	Town of Timberville (Maint: 82)	0.68	6200	G	95%	1%	1%	2%	1%	0%	F	0.091	F	0.62	6400	G	
	From:	82-617 North Church St															
42 Forestville Rd	Town of Timberville (Maint: 82)	0.41	2300	G	95%	1%	1%	2%	1%	0%	C	0.101	F	0.569	2400	G	
	To:	NCL Timberville															
	From:	SR 42 South of Timberville															
211 New Market Rd	Town of Timberville (Maint: 82)	0.69	3500	G	92%	1%	1%	1%	5%	0%	C	0.085	F	0.524	3600	G	
	To:	ECL Timberville															

Virginia Department of Transportation
Traffic Engineering Division
2014
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Timberville

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Timberville																
617 82 Church St	0.06	2000	From: WCL Timberville													
			G	95%	1%	2%	2%	1%	0%	C	0.091	N	0.546	2000	G	2014
617 82 Church St	0.19	1400	To: SR 42 N, Forestville Rd													
			G	96%	1%	1%	1%	0%	0%	F	0.106	F	0.538	1500	G	2014
617 82 Church St	0.17	1300	From: SR 42 S, Forestville Rd													
			G	96%	1%	1%	1%	0%	0%	F	0.104	F	0.517	1400	G	2014
618 82 Lone Pine Rd	0.50	1900	To: 82-1504 High St													
			R								NA			NA		05/17/2006
618 82 Lone Pine Rd	0.16	1700	From: 82-800 Co-op Dr													
			G	98%	0%	1%	1%	0%	0%	C	0.104	F	0.519	1800	G	2014
800 82 Co-op Dr	0.36	1500	To: 82-793 Long Meadow Dr													
			R								NA			NA		05/17/2006
800 82 Co-op Dr	0.06	3300	From: SR 211 New Market Rd													
			R								NA			NA		03/24/2009
800 82 Co-op Dr	0.07	3600	From: SCL Timberville													
			R								NA			NA		05/17/2006
800 82 Co-op Dr	0.04	4200	To: 82-618 N, Lone Pine Rd													
			R								NA			NA		03/24/2009
800 82 Co-op Dr	0.02	4100	From: Dead End; Gap													
			R								NA			NA		03/24/2009
800 82 Co-op Dr	0.05	2900	To: SR 42 S; Gap													
			R								NA			NA		05/17/2006
800 82 Co-op Dr	0.04	4000	From: 82-1512 S, First Ave													
			R								NA			NA		05/17/2006
800 82 Co-op Dr	0.04	4000	To: 82-1511 S, Second Ave													
			R								NA			NA		03/24/2009
800 82 Co-op Dr	0.02	4100	From: 82-1510 E, Third Ave													
			R								NA			NA		03/24/2009
800 82 Co-op Dr	0.05	2900	To: 82-1510 W, Third Ave													
			R								NA			NA		05/17/2006
800 82 Co-op Dr	0.04	4000	From: 82-1509 Fourth Ave													
			R								NA			NA		03/29/2009
800 82 Co-op Dr	0.09	3000	To: 82-1508 S, Fifth Ave													
			R								NA			NA		03/24/2009
881 82 Orchard Dr	0.24	1800	From: WCL Timberville S													
			G	96%	0%	1%	1%	2%	0%	C	0.091	F	0.621	1900	G	2014
1501 82 Bellevue St	0.05	170	To: NCL Timberville													
			R								NA			NA		03/31/2009
1501 82 Bellevue St	0.06	100	From: SR 42 Forestville Rd													
			R								NA			NA		03/31/2009
1501 82 Bellevue St	0.06	60	To: 82-1503 Park Ave													
			R								NA			NA		03/31/2009
1502 82 Cherry St	0.10	60	From: 82-1502 Cherry St													
			R								NA			NA		03/31/2009
1503 82 Park Ave	0.12	70	To: 82-1504 Montevideo St													
			R								NA			NA		03/31/2009
1504 82 High St	0.20	160	From: 82-1505 Belvedere St													
			R								NA			NA		03/31/2009
1504 82 Montevideo St	0.15	60	To: 82-1501 Bellevue St													
			R								NA			NA		03/31/2009

Virginia Department of Transportation
 Traffic Engineering Division
 2014
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Timberville

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

Virginia Department of Transportation
Traffic Engineering Division
2014
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Timberville

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Timberville																
1514 82 Virginia Ave	0.28	240	R								NA			NA		03/26/2009
1515 82 Center St	0.10	540	R								NA			NA		03/26/2009
1515 82 Center St	0.10	400	R								NA			NA		03/26/2009
1516 82 Shenandoah Ave	0.08	110	R								NA			NA		03/26/2009
1517 82 Fourth St	0.03	80	R								NA			NA		03/26/2009
1517 82 Fourth St	0.06	70	R								NA			NA		03/26/2009
1517 82 Fourth St	0.06	120	R								NA			NA		03/26/2009
1517 82 Fourth St	0.05	270	R								NA			NA		03/26/2009
1519 82 Walnut Dr	0.06	320	R								NA			NA		03/26/2009
1519 82 Walnut Dr	0.20	110	R								NA			NA		03/26/2009
1519 82 Walnut Dr	0.13	190	R								NA			NA		03/26/2009
1520 82 Oak St	0.09	140	R								NA			NA		03/26/2009
1520 82 Oak St	0.11	50	R								NA			NA		03/26/2009
1521 82 E Riverside Dr	0.43	280	R								NA			NA		03/31/2009
1522 82 Pine St	0.05	70	R								NA			NA		03/26/2009
1523 82 Hollar Circle	0.10	130	R								NA			NA		03/31/2009
1524 82 Ridge Court	0.08	120	R								NA			NA		03/31/2009
1524 82 Ridge Court	0.03	310	R								NA			NA		03/31/2009
1524 82 Ridge Court	0.07	430	R								NA			NA		03/31/2009
1525 82 Ridge Court	0.07	90	R								NA			NA		03/26/2009
1525 82 Ridge Court	0.06	100	R								NA			NA		03/26/2009

Virginia Department of Transportation
 Traffic Engineering Division
 2014
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Timberville

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Timberville																
1526 82 Williamsport Rd	0.06	130	R			From 82-1525 Ridge Court					NA		NA			03/26/2009
1526 82 Williamsport Rd	0.03	350	R			To 82-1527 Sherrando Court					NA		NA			03/26/2009
						From SR 211 New Market Rd										
1527 82 Sherrando Court	0.10	440	R			To 82-1526 Williamsport Rd					NA		NA			03/26/2009
						From Cul-de-Sac										
1528 82 Lincoln Ct	0.08	110	R			To 82-1524 Ridge Court					NA		NA			03/31/2009
						From Cul-de-Sac										
1529 82 Riggleman Dr	0.18	370	R			To 82-1507 Maple Ave					NA		NA			08/24/2000
						From WCL Timberville N										
1530 82 Co-op Dr	0.04	630	R			To 82-1508 N, Fifth Ave					NA		NA			10/14/2003
						From 82-1509 N, Fourth Ave										
1530 82 Co-op Dr	0.08	860	R			To 82-1510 N, Third Ave					NA		NA			12/03/2003
						From 82-1511 N, Second Ave										
1530 82 Co-op Dr	0.08	950	R			To 82-1512 NORTH First Ave					NA		NA			12/08/2003
						From 82-1512 N, First Ave										
1530 82 Co-op Dr	0.02	1100	R			To 82-1507 Riverside Dr					NA		NA			10/14/2003
						From 82-1512 NORTH First Ave										
1530 82 Co-op Dr	0.05	1100	R			To SR 42 N, Forestville Rd					NA		NA			08/24/2000
						From 82-1512 N, First Ave										
1530 82 Co-op Dr	0.06	860	R			To					NA		NA			10/01/2003
						From SR 42 N, Forestville Rd										