

2011
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report

177

Town of Broadway

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



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

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
 2011
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Broadway

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
		From: SCL Broadway														
(42) S Main St	Town of Broadway (Maint: 82)	0.81	7900	N	96%	0%	1%	1%	2%	0%	N	0.093	N	0.674	8400	N
		To: ALT SR 259 Broadway Ave														
		From: ALT SR 259 Broadway Ave														
(42) (259) S Main Street	Town of Broadway (Maint: 82)	0.32	5800	G	96%	0%	1%	1%	2%	0%	C	0.086	F	0.647	6300	G
		To: SR 259 W Lee St														
		From: SR 259 W Lee St														
(42) (259) W Lee St	Town of Broadway (Maint: 82)	0.33	6600	G	96%	0%	1%	1%	2%	0%	F	0.085	F	0.555	7000	G
		To: ECL Broadway														
		From: ECL Broadway														
(259) Mayland Rd	Town of Broadway (Maint: 82)	0.45	6700	N	93%	0%	1%	1%	5%	0%	N	0.093	N	0.627	7200	N
		To: SR 42 East of Broadway														
		From: CL Broadway														
(259) (42) W Lee St	Town of Broadway (Maint: 82)	0.33	6600	G	96%	0%	1%	1%	2%	0%	F	0.085	F	0.555	7000	G
		To: SR 42 BROADWAY														
		From: SR 42 BROADWAY														
(259) Brocks Gap Rd	Town of Broadway (Maint: 82)	0.36	8300	G	93%	0%	1%	1%	5%	0%	F	0.086	F	0.659	8900	G
		To: WCL Broadway														
		From: SR 259 SOUTH														
ALT (259) (42) S Main Street	Town of Broadway (Maint: 82)	0.32	5800	G	96%	0%	1%	1%	2%	0%	C	0.086	F	0.647	6300	G
		To: SR 42														
		From: SR 42 Timber Way														
ALT (259) Broadway Ave	Town of Broadway (Maint: 82)	0.72	1500	G	93%	0%	1%	1%	5%	0%	F	0.095	F	0.609	1500	G
		To: SR 259 Mayland Rd														

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(617/82) S Sunset Rd	0.24	500	N	97%	0%	1%	1%	1%	0%	N	0.118	N	0.547	520	N	2011
From: SCL Broadway																
(617/82) N Sunset Rd	0.66	1000	G	97%	0%	1%	1%	1%	0%	F	0.122	F	0.507	1100	G	2011
From: 82-1421, E Springbrook Rd																
(617/82) Spar Mine Rd	0.10	1900	G	97%	0%	1%	1%	1%	0%	F	0.099	F	0.554	2000	G	2011
From: NCL Broadway																
(801/82) Holsinger Rd	0.15	390	R									NA		NA		05/17/2006
From: SR 42 Timber Way																
(803/82) Brethren Rd	0.12	1100	G	97%	0%	1%	1%	1%	0%	F	0.138	F	0.527	1200	G	2011
From: ECL Broadway																
(1401/82) Cline St	0.09	70	R									NA		NA		03/24/2009
From: Alt SR 259																
(1402/82) Linville St	0.11	210	R									NA		NA		03/24/2009
From: Dead End																
(1403/82)	0.29	600	R									NA		NA		09/07/2000
From: Alt SR 259																
(1403/82)	0.15	190	R									NA		NA		09/07/2000
From: SR 42 Timber Way																
(1404/82) Linden Ave	0.07	90	R									NA		NA		03/24/2009
From: Dead End																
(1405/82) High St	0.11	200	R									NA		NA		09/07/2000
From: Alt SR 259																
(1405/82)	0.07	210	R									NA		NA		09/07/2000
From: 82-1408 Miller St																
(1405/82) High St	0.10	390	R									NA		NA		09/07/2000
From: 82-1407 Mason St																
(1406/82) Central St	0.16	290	R									NA		NA		05/15/2006
From: SR 42 Timber Way																
(1406/82) Central St	0.11	860	R									NA		NA		05/15/2006
From: Alt SR 259																
(1406/82) Central St	0.07	780	R									NA		NA		05/15/2006
From: 82-1408 Miller St																
(1407/82) Mason St	0.12	550	R									NA		NA		05/15/2006
From: 82-1405 E, High St																
(1407/82) Mason St	0.12	280	R									NA		NA		09/07/2000
From: 82-1405 W, High St																
(1408/82) Miller St	0.04	560	R									NA		NA		05/15/2006
From: 82-1403																
(1408/82) Miller St	0.06	610	R									NA		NA		05/15/2006
From: SR 42 Timber Way																
(1408/82) Miller St	0.14	360	R									NA		NA		09/07/2000
From: 82-1406 Central St																
To: 82-1405 High St																
To: 82-1403																

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
1409 82 Louisa St	0.13	200	R			From: SR 42 Timber Way					NA			NA		09/07/2000
						To: 82-1410 Carrie St										
1410 82 Carrie St	0.09	100	R			From: SR 42 Timber Way					NA			NA	03/26/2009	
						To: 82-1409 Louisa St										
1411 82 Shenandoah Ave	0.07	140	R			From: SR 259 Brocks Gap Rd					NA			NA	03/26/2009	
						To: 0.07 MN SR 259 Brocks Gap Rd										
1411 82 Shenandoah Ave	0.13	100	R			From: 0.20 MN SR 259 Brocks Gap Rd					NA			NA	03/26/2009	
						To: 0.20 MN SR 259 Brocks Gap Rd										
1411 82 Shenandoah Ave	0.05	70	R			From: NCL Broadway					NA			NA	05/15/2006	
						To: Dead End										
1412 82 Holly Hill St	0.22	530	R			From: SR 259 Brocks Gap Rd					NA			NA	03/24/2009	
						To: 82-1414 Turner Ave										
1413 82 Turner Ave	0.43	1100	R			From: SR 259 Brocks Gap Rd					NA			NA	03/24/2009	
						To: 82-617, N Sunset Rd										
1414 82 Turner Ave	0.41	1300	R			From: 82-1413 Holly Hill St					NA			NA	03/24/2009	
						To: SR 42 Timber Way										
1414 82 Turner Ave	0.14	2400	R			From: SCL Broadway					NA			NA	03/24/2009	
						To: 82-1421, E Springbrook Rd										
1415 82 Early Rd	0.18	550	N			From: SR 42 Timber Way					NA			NA	03/24/2009	
						To: 82-1424 Lindsay Ave										
1416 82 Third St	0.16	410	R			From: 82-1417 Gap					NA			NA	09/14/2000	
						To: 82-1423 Gap										
1416 82 Third St	0.21	310	R			From: 82-1425 Crestover Dr					NA			NA	09/14/2000	
						To: Cul-de-Sac										
1416 82 Third St	0.07	150	R			From: 82-1433 Fifth St					NA			NA	09/14/2000	
						To: 82-1428 4th St										
1417 82 East Ave	0.02	50	R			From: 82-1416 Third St					NA			NA	09/07/2000	
						To: 82-1418 Second St										
1417 82 East Ave	0.08	180	R			From: 82-1422 First St					NA			NA	09/07/2000	
						To: 82-1421, E Springbrook Rd										
1417 82 East Ave	0.06	380	R			From: Dead End					NA			NA	09/14/2000	
						To: 82-1424 Gap										
1417 82 East Ave	0.06	570	R			From: Dead End; Gap					NA			NA	09/14/2000	
						To: 82-1417 East Ave										
1417 82 East Ave	0.07	780	R			From: 82-1417 East Ave					NA			NA	09/14/2000	
						To: 82-1417 East Ave										
1418 82 2nd St	0.12	170	R			From: 82-1417 East Ave					NA			NA	09/14/2000	
						To: 82-1417 East Ave										
1418 82 Second St	0.07	130	R			From: 82-1417 East Ave					NA			NA	09/14/2000	
						To: 82-1417 East Ave										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(1421/82) E Springbrook Rd	0.20	110	R								NA			NA		03/24/2009
(1421/82) E Springbrook Rd	0.42	1100	R								NA			NA		03/24/2009
(1421/82) E Springbrook Rd	0.24	820	R								NA			NA		03/24/2009
(1421/82) E Springbrook Rd	0.43	5500	R								NA			NA		03/24/2009
(1422/82) First St	0.10	190	R								NA			NA		09/14/2000
(1423/82) Elm St	0.22	180	R								NA			NA		1986
(1423/82) Elm St	0.19	600	R								NA			NA		09/14/2000
(1424/82) Lindsay Ave	0.06	110	R								NA			NA		09/14/2000
(1424/82) Lindsay Ave	0.06	220	R								NA			NA		09/14/2000
(1424/82) Lindsay Ave	0.13	480	R								NA			NA		09/14/2000
(1425/82) Crestover Dr	0.12	120	R								NA			NA		09/14/2000
(1425/82) Crestover Dr	0.06	30	R								NA			NA		09/14/2000
(1426/82) Rock St	0.03	260	R								NA			NA		05/15/2006
(1426/82) Rock St	0.06	70	R								NA			NA		05/15/2006
(1427/82) Morningside Dr	0.18	320	R								NA			NA		09/07/2000
(1428/82) 4th St	0.16	480	R								NA			NA		09/07/2000
(1428/82) 4th St	0.21	440	R								NA			NA		09/07/2000
(1429/82) Broadmoor Lane	0.13	150	R								NA			NA		09/14/2000
(1429/82) Broadmoor Lane	0.04	40	R								NA			NA		09/14/2000
(1430/82) Showater Court	0.11	60	R								NA			NA		09/14/2000
(1431/82)	0.08	100	R								NA			NA		09/07/2000

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(1432) 82	0.20	NA					From: SR 42 Harpine Hwy					NA		NA		
							To: Dead End									
(1433) 82	Fifth St	0.06	100	R			From: Cul-de-Sac					NA		NA		09/07/2000
							To: 82-1417 East Ave									
(1434) 82	First St	0.11	260	R			From: Dead End					NA		NA		09/14/2000
							To: 82-1424 Lindsay Ave									
(1435) 82		0.09	730	R			From: 82-1436					NA		NA		05/17/2006
							To: SR 42 Timber Way									
(1436) 82		0.16	120	R			From: Dead End					NA		NA		05/17/2006
							To: 82-1435									
(1438) 82	Trumbo Court	0.04	240	R			From: Cul-de-Sac					NA		NA		05/17/2006
							To: SR 259 Mayland Rd									
(1439) 82		0.27	260	R			From: Dead End					NA		NA		03/24/2009
							To: 82-1415 Early Rd									
(1440) 82	Gap Place	0.07	180	R			From: SR 42 Timber Way					NA		NA		09/07/2000
							To: Cul-de-Sac									
(1441) 82	Meyers Court	0.12	140	R			From: 82-1440 Gap Place					NA		NA		09/07/2000
							To: Cul-de-Sac									
(1442) 82	Lilly Square	0.25	1400	R			From: 82-1421, E Springbrook Rd					NA		NA		03/24/2009
							To: Cul-de-Sac									
(1443) 82		0.18	430	R			From: 82-1446; 82-1447					NA		NA		03/24/2009
							To: 82-1421, E Springbrook Rd									
(1444) 82		0.09	80	R			From: Cul-de-Sac					NA		NA		03/24/2009
							To: 82-1443									
(1445) 82		0.08	90	R			From: 82-1443					NA		NA		03/24/2009
							To: Cul-de-Sac									
(1446) 82		0.10	140	R			From: Cul-de-Sac					NA		NA		03/24/2009
							To: 82-1443									
(1447) 82		0.07	130	R			From: 82-1443					NA		NA		03/24/2009
							To: Cul-de-Sac									
(9383) 82		0.18	1800	R			From: 82-1421 W, E Springbrook Rd					NA		NA		06/16/2009
							To: 82-1417; 82-1421 EAST									