2010
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
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 Maintainenance 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
2010
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Broadway

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
42 S Main St	Town of Broadway (Maint: 82)	From: SCL Broadway	0.81	**7600**	**N**	96%	0%	1%	1%	2%	0%	N	0.093	N	0.674	8100	N
		To: ALT SR 259 Broadway Ave															
ALT 42 259 S Main Street	Town of Broadway (Maint: 82)	From: SR 259 W Lee St	0.32	**5600**	**G**	96%	0%	1%	1%	2%	0%	C	0.086	F	0.647	6000	G
42 259 W Lee St	Town of Broadway (Maint: 82)	To: ECL Broadway	0.33	**6300**	**G**	96%	0%	1%	1%	2%	0%	F	0.085	F	0.555	6700	G
259 Mayland Rd	Town of Broadway (Maint: 82)	From: ECL Broadway	0.45	**6500**	**N**	93%	0%	1%	1%	5%	0%	N	0.093	N	0.627	6900	N
		To: SR 42 East of Broadway															
259 42 W Lee St	Town of Broadway (Maint: 82)	From: CL Broadway	0.33	**6300**	**G**	96%	0%	1%	1%	2%	0%	F	0.085	F	0.555	6700	G
		To: SR 42 BROADWAY															
259 Brocks Gap Rd	Town of Broadway (Maint: 82)	From: WCL Broadway	0.36	**8000**	**G**	93%	0%	1%	1%	5%	0%	F	0.086	F	0.659	8600	G
ALT 259 42 S Main Street	Town of Broadway (Maint: 82)	From: SR 259 SOUTH	0.32	**5600**	**G**	96%	0%	1%	1%	2%	0%	C	0.086	F	0.647	6000	G
		To: SR 42															
ALT 259 Broadway Ave	Town of Broadway (Maint: 82)	From: SR 42 Timber Way	0.72	**1400**	**G**	93%	0%	1%	1%	5%	0%	F	0.095	F	0.609	1500	G
		To: SR 259 Mayland Rd															

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Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Broadway																
617 S Sunset Rd	0.24	**480**	**N**	97%	0%	1%	1%	1%	0%	N	0.118	N	0.547	500	N	2010
From: SCL Broadway																
To: 82-1421, E Springbrook Rd																
617 N Sunset Rd	0.66	**960**	**G**	97%	0%	1%	1%	1%	0%	F	0.122	F	0.507	1000	G	2010
From: 82-1421, E Springbrook Rd																
To: NCL Broadway																
617 Spar Mine Rd	0.10	**1800**	**G**	97%	0%	1%	1%	1%	0%	F	0.099	F	0.554	1900	G	2010
From: SR 259 E, Brocks Gap Rd																
To: NCL Broadway																
801 Holsinger Rd	0.15	**390**	**R**								NA			NA		05/17/2006
From: SR 42 Timber Way																
To: ECL Broadway																
803 Brethren Rd	0.12	**1100**	**G**	97%	0%	1%	1%	1%	0%	F	0.138	F	0.527	1200	G	2010
From: ECL Broadway																
To: 82-1421, E Springbrook Rd																
1401 Cline St	0.09	**70**	**R**								NA			NA		03/24/2009
From: Alt SR 259																
To: Dead End																
1402 Linville St	0.11	**210**	**R**								NA			NA		03/24/2009
From: Dead End																
To: Alt SR 259																
1403	0.29	**600**	**R**								NA			NA		09/07/2000
From: Alt SR 259																
To: SR 42 Timber Way																
1403	0.15	**190**	**R**								NA			NA		09/07/2000
From: SR 42 Timber Way																
To: Dead End																
1404 Linden Ave	0.07	**90**	**R**								NA			NA		03/24/2009
From: Dead End																
To: Alt SR 259																
1405 High St	0.11	**200**	**R**								NA			NA		09/07/2000
From: Alt SR 259																
To: 82-1408 Miller St																
1405	0.07	**210**	**R**								NA			NA		09/07/2000
From: 82-1408 Miller St																
To: 82-1407 Mason St																
1405 High St	0.10	**390**	**R**								NA			NA		09/07/2000
From: 82-1407 Mason St																
To: SR 42 Timber Way																
1406 Central St	0.16	**290**	**R**								NA			NA		05/15/2006
From: 82-1426 Rock St																
To: Alt SR 259																
1406 Central St	0.11	**860**	**R**								NA			NA		05/15/2006
From: Alt SR 259																
To: 82-1408 Miller St																
1406 Central St	0.07	**780**	**R**								NA			NA		05/15/2006
From: 82-1408 Miller St																
To: 82-1407 Mason St																
1407 Mason St	0.12	**550**	**R**								NA			NA		05/15/2006
From: SR 42 Timber Way																
To: 82-1405 E, High St																
1407 Mason St	0.12	**280**	**R**								NA			NA		09/07/2000
From: 82-1405 W, High St																
To: 82-1403																
1408 Miller St	0.04	**560**	**R**								NA			NA		05/15/2006
From: SR 42 Timber Way																
To: 82-1406 Central St																
1408 Miller St	0.06	**610**	**R**								NA			NA		05/15/2006
From: 82-1406 Central St																
To: 82-1405 High St																
1408 Miller St	0.14	**360**	**R**								NA			NA		09/07/2000
From: 82-1405 High St																
To: 82-1403																

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Town of Broadway

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

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Town of Broadway																
1421 82 E Springbrook Rd	0.20	**110**	**R**								NA			NA		03/24/2009
From: Dead End																
To: 82-617 Sunset Rd																
1421 82 E Springbrook Rd	0.42	**1100**	**R**								NA			NA		03/24/2009
From: 82-617 Sunset Rd																
To: 82-1415 Early Rd																
1421 82 E Springbrook Rd	0.24	**820**	**R**								NA			NA		03/24/2009
From: 82-1415 Early Rd																
To: SR 42 Timber Way																
1421 82 E Springbrook Rd	0.43	**5500**	**R**								NA			NA		03/24/2009
From: SR 42 Timber Way																
To: ECL Broadway; 82-803 Daphna Rd																
1422 82 First St	0.10	**190**	**R**								NA			NA		09/14/2000
From: Dead End																
To: 82-1417 East Ave																
1423 82 Elm St	0.22	**180**	**R**								NA			NA		1986
From: 82-1429 Broadmoor Lane																
To: 82-1416 Third St																
1423 82 Elm St	0.19	**600**	**R**								NA			NA		09/14/2000
From: 82-1416 Third St																
To: 82-803 Brethren Rd																
1424 82 Lindsay Ave	0.06	**110**	**R**								NA			NA		09/14/2000
From: 82-1428 Fourth St																
To: 82-1416 Third St																
1424 82 Lindsay Ave	0.06	**220**	**R**								NA			NA		09/14/2000
From: 82-1416 Third St																
To: 82-1418 Second St																
1424 82 Lindsay Ave	0.13	**480**	**R**								NA			NA		09/14/2000
From: 82-1418 Second St																
To: 82-1421, E Springbrook Rd																
1425 82 Crestover Dr	0.12	**120**	**R**								NA			NA		09/14/2000
From: Dead End																
To: 82-1416 Third St																
1425 82 Crestover Dr	0.06	**30**	**R**								NA			NA		09/14/2000
From: 82-1416 Third St																
To: NCL Broadway																
1426 82 Rock St	0.03	**260**	**R**								NA			NA		05/15/2006
From: SR 42 Timber Way																
To: 82-1406 Central St																
1426 82 Rock St	0.06	**70**	**R**								NA			NA		05/15/2006
From: 82-1406 Central St																
To: Dead End																
1427 82 Morningside Dr	0.18	**320**	**R**								NA			NA		09/07/2000
From: 82-1431																
To: 82-1414 Turner Ave																
1428 82 4th St	0.16	**480**	**R**								NA			NA		09/07/2000
From: SR 42 Timber Way																
To: 82-1424 Lindsay Ave																
1428 82 4th St	0.21	**440**	**R**								NA			NA		09/07/2000
From: 82-1424 Lindsay Ave																
To: 82-1417 East Ave																
1429 82 Broadmoor Lane	0.13	**150**	**R**								NA			NA		09/14/2000
From: 82-1423 Elm St																
To: 82-1430 Showater Court																
1429 82 Broadmoor Lane	0.04	**40**	**R**								NA			NA		09/14/2000
From: 82-1430 Showater Court																
To: Dead End																
1430 82 Showater Court	0.11	**60**	**R**								NA			NA		09/14/2000
From: 82-1429 Broadmoor Lane																
To: Cul-de-Sac																
1431 82	0.08	**100**	**R**								NA			NA		09/07/2000
From: 82-1414 Turner Ave																
To: 82-1427 Morningside Dr																

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