

2020

**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**

The reported 2020 AADTs represent the best estimate of 2020 average daily traffic, however, this year's AADTs do vary from normal traffic in the years prior to 2020 due to COVID-19. The reported AADTs may not represent typical traffic for a given day or period within the year as the drastic seasonal variations were normalized through the factoring process. The 2020 publications are therefore colored to draw users attention to the fact that uses of the 2020 published estimates versus alternative data sources should be determined at users' discretion based on the objectives or nature of the analyses being performed.

The estimated 2020 DVMT for the entire state maintained network total to 208,000,000, which has trended down by 11 percent compared to the 2019 level of 234,000,000. For most traffic links across the state, the estimated 2020 AADTs are also seen to have decreased from their 2019 levels.

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 buses.

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
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
 2020
 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	8400	N	96%	1%	1%	1%	1%	0%	N	0.102	F	0.667	8400	N
	To: ALT SR 259 Broadway Ave															
42 ALT 259 S Main Street	Town of Broadway (Maint: 82)	0.32	4900	G	96%	1%	1%	1%	1%	0%	C	0.09	F	0.593	5200	G
	From: SR 259 W Lee St															
42 259 W Lee St	Town of Broadway (Maint: 82)	0.33	6300	G	96%	1%	1%	1%	1%	0%	F	0.083	F	0.577	6700	G
	To: ECL Broadway															
	From: ECL Broadway															
259 Mayland Rd	Town of Broadway (Maint: 82)	0.45	8200	N	93%	1%	1%	1%	4%	0%	N	0.092	F	0.571	8100	N
	To: SR 42 East of Broadway															
	From: CL Broadway															
259 42 W Lee St	Town of Broadway (Maint: 82)	0.33	6300	G	96%	1%	1%	1%	1%	0%	F	0.083	F	0.577	6700	G
	To: SR 42 BROADWAY															
259 Brocks Gap Rd	Town of Broadway (Maint: 82)	0.36	7900	G	93%	1%	1%	1%	4%	0%	F	0.088	F	0.633	8500	G
	To: WCL Broadway															
	From: SR 259 SOUTH															
259 ALT 42 S Main Street	Town of Broadway (Maint: 82)	0.32	4900	G	96%	1%	1%	1%	1%	0%	C	0.09	F	0.593	5200	G
	To: SR 42															
	From: SR 42 Main St															
259 ALT Broadway Ave	Town of Broadway (Maint: 82)	0.72	1200	G	98%	1%	1%	0%	0%	0%	C	0.093	F	0.511	1200	G
	To: SR 259 Mayland Rd, Timber Way															

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(617/82) S Sunset Rd		680	N	97%	1%	1%	0%	0%	0%	N	0.110	F	0.646	720	N	2020
						From: SCL Broadway										
(617/82) N Sunset Dr		1000	G	98%	1%	1%	0%	0%	0%	C	0.13	F	0.562	1100	G	2020
						From: 82-1421, E Springbrook Rd										
(617/82) Spar Mine Rd		2100	G	96%	1%	1%	1%	1%	0%	C	0.093	F	0.6	2300	G	2020
						From: NCL Broadway										
(801/82) Holsinger Rd	0.15	820	R											NA		03/07/2018
						From: SR 42 Timber Way										
(803/82) Brethren Rd		1100	G	96%	1%	0%	1%	2%	0%	F	0.142	F	0.656	1100	G	2020
						From: ECL Broadway										
(1401/82) Cline St	0.09	70	R											NA		03/24/2009
						From: Dead End										
(1402/82) Linville St	0.11	210	R											NA		03/24/2009
						From: Dead End										
(1403/82) Atlantic Ave	0.29	370	G	99%	1%	0%	0%	0%	0%	C	0.121	F	0.661	390	G	2020
						From: Alt SR 259										
(1403/82)	0.15	190	R											NA		08/01/2012
						From: SR 42 Lee St, Timber Way										
(1404/82) Linden Ave	0.07	90	R											NA		03/24/2009
						From: Dead End										
(1405/82) High St	0.11	160	R											NA		11/01/2012
						From: Alt SR 259										
(1405/82)	0.07	130	R											NA		11/01/2012
						From: 82-1408 Miller St										
(1405/82) High St	0.10	370	R											NA		11/01/2012
						From: 82-1407 Mason St										
(1406/82) Central St	0.16	450	R											NA		05/02/2018
						From: SR 42 Timber Way										
(1406/82) Central St	0.11	580	R											NA		05/02/2018
						From: Alt SR 259										
(1406/82) Central St	0.07	450	R											NA		05/02/2018
						From: 82-1408 Miller St										
(1407/82) Mason St	0.12	430	R											NA		05/02/2018
						From: 82-1407 Mason St										
(1407/82) Mason St	0.12	230	R											NA		11/01/2012
						From: SR 42 Timber Way										
(1408/82) Miller St	0.04	280	R											NA		05/02/2018
						From: 82-1405 E, High St										
(1408/82) Miller St	0.06	320	R											NA		05/02/2018
						From: 82-1405 W, High St										
(1408/82) Miller St	0.14	220	R											NA		10/26/2012
						From: 82-1403 Atlantic Ave										

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Route	Length	AADT	QA	4Tire	Bus	-----Truck----- 2Axle 3+Axle 1Trail 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Broadway													
1409 82 Louisa St	0.13	110	R			From: SR 42 Timber Way To: 82-1410 Carrie St		NA			NA		08/01/2012
1410 82 Carrie St	0.09	80	R			From: SR 42 Timber Way To: 82-1409 Louisa St		NA			NA		05/02/2018
1411 82 Shenandoah Ave		150	R			From: SR 259 Brocks Gap Rd To: 0.07 MN SR 259 Brocks Gap Rd		NA			NA		03/07/2018
1411 82 Shenandoah Ave		140	R			From: 0.07 MN SR 259 Brocks Gap Rd To: 0.20 MN SR 259 Brocks Gap Rd		NA			NA		03/07/2018
1411 82 Shenandoah Ave		70	R			From: 0.20 MN SR 259 Brocks Gap Rd To: NCL Broadway		NA			NA		03/07/2018
1412 82 Dead End		700	R			From: Dead End To: SR 259 Brocks Gap Rd		NA			NA		03/07/2018
1413 82 Holly Hill St	0.43	500	R			From: 82-1414 Turner Ave To: SR 259 Brocks Gap Rd		NA			NA		03/07/2018
1414 82 Turner Ave	0.41	1200	R			From: 82-617, N Sunset Rd To: 82-1413 Holly Hill St		NA			NA		03/07/2018
1414 82 Turner Ave	0.14	2500	R			From: 82-1413 Holly Hill St To: SR 42 Timber Way		NA			NA		03/07/2018
1415 82 Early Rd		510	N			From: SCL Broadway To: 82-1421, E Springbrook Rd		NA			NA		03/07/2018
1416 82 Third St	0.16	220	R			From: SR 42 Timber Way To: 82-1424 Lindsay Ave		NA			NA		08/01/2012
1416 82 Third St	0.21	160	R			From: 82-1424 Lindsay Ave To: 82-1417 Gap		NA			NA		08/01/2012
1416 82 Third St	0.07	80	R			From: 82-1423 Gap To: 82-1425 Crestover Dr		NA			NA		08/01/2012
1417 82 East Ave	0.02	200	R			From: Cul-de-Sac To: 82-1433 Fifth St		NA			NA		08/01/2012
1417 82 East Ave	0.08	290	R			From: 82-1433 Fifth St To: 82-1428 4th St		NA			NA		08/01/2012
1417 82 East Ave	0.06	390	R			From: 82-1428 4th St To: 82-1416 Third St		NA			NA		08/01/2012
1417 82 East Ave	0.06	510	R			From: 82-1416 Third St To: 82-1418 Second St		NA			NA		08/01/2012
1417 82 East Ave	0.07	540	R			From: 82-1418 Second St To: 82-1422 First St		NA			NA		08/01/2012
1417 82 East Ave	0.06	630	R			From: 82-1422 First St To: 82-1421, E Springbrook Rd		NA			NA		08/01/2012
1418 82 2nd St	0.12	170	R			From: Dead End To: 82-1424 Gap		NA			NA		08/01/2012
1418 82 Second St	0.07	60	R			From: Dead End; Gap To: 82-1417 East Ave		NA			NA		08/01/2012

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
1421 82 E Springbrook Rd		90	R			Dead End					NA			NA		03/07/2018
1421 82 E Springbrook Rd		1300	G	99%	0%	1%	0%	0%	0%	C	0.128	F	0.834	1400	G	2020
1421 82 E Springbrook Rd		1100	G	99%	0%	1%	0%	0%	0%	C	0.115	F	0.825	1200	G	2020
1421 82 E Springbrook Rd		5500	G	93%	1%	1%	1%	3%	0%	C	0.116	F	0.550	5900	G	2020
1422 82 First St	0.10	180	R			Dead End					NA			NA		08/01/2012
1423 82 Elm St	0.22	480	R			82-1417 East Ave					NA			NA		08/01/2012
1423 82 Elm St	0.19	630	R			82-1416 Third St					NA			NA		08/01/2012
1424 82 Lindsay Ave	0.06	70	R			82-803 Brethren Rd					NA			NA		08/01/2012
1424 82 Lindsay Ave	0.06	190	R			82-1428 Fourth St					NA			NA		08/01/2012
1424 82 Lindsay Ave	0.13	380	R			82-1416 Third St					NA			NA		08/01/2012
1425 82 Crestover Dr	0.12	40	R			82-1418 Second St					NA			NA		08/01/2012
1425 82 Crestover Dr	0.06	70	R			82-1421, E Springbrook Rd					NA			NA		08/01/2012
1426 82 Rock St	0.03	210	R			Dead End					NA			NA		08/01/2012
1426 82 Rock St	0.06	80	R			82-1416 Third St					NA			NA		08/01/2012
1427 82 Morningside Dr	0.18	260	R			NCL Broadway					NA			NA		08/01/2012
1428 82 4th St	0.16	350	R			SR 42 Timber Way					NA			NA		08/01/2012
1428 82 4th St	0.21	310	R			82-1406 Central St					NA			NA		08/01/2012
1429 82 Broadmoor Lane	0.13	110	R			Dead End					NA			NA		08/01/2012
1429 82 Broadmoor Lane	0.04	20	R			82-1431 Skymont Dr					NA			NA		08/01/2012
1430 82 Showater Court	0.11	50	R			82-1414 Turner Ave					NA			NA		08/01/2012
1431 82 Skymont Dr	0.08	110	R			SR 42 Timber Way					NA			NA		08/01/2012
						82-1424 Lindsay Ave					NA			NA		08/01/2012
						82-1417 East Ave					NA			NA		08/01/2012
						82-1423 Elm St					NA			NA		08/01/2012
						82-1430 Showater Court					NA			NA		08/01/2012
						Dead End					NA			NA		08/01/2012
						82-1429 Broadmoor Lane					NA			NA		08/01/2012
						Cul-de-Sac					NA			NA		08/01/2012
						82-1414 Turner Ave					NA			NA		08/01/2012
						82-1427 Morningside Dr					NA			NA		08/01/2012

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
1432 82 Fifth St	0.20	260	R								NA			NA		08/01/2012
1433 82 Fifth St	0.06	110	R								NA			NA		08/01/2012
1434 82 First St	0.11	270	R								NA			NA		11/01/2012
1435 82	0.09	510	R								NA			NA		03/07/2018
1436 82	0.16	120	R								NA			NA		03/07/2018
1438 82 Trumbo Court	0.04	190	R								NA			NA		03/07/2018
1439 82 Robin Roost Ct	0.27	180	R								NA			NA		03/07/2018
1440 82 Gap Place	0.07	230	R								NA			NA		11/01/2012
1441 82 Meyers Court	0.12	130	R								NA			NA		10/31/2012
1442 82 Lilly Square	0.25	1400	R								NA			NA		03/24/2009
1443 82	0.18	430	R								NA			NA		03/24/2009
1444 82	0.09	80	R								NA			NA		03/24/2009
1445 82	0.08	90	R								NA			NA		03/24/2009
1446 82	0.10	140	R								NA			NA		03/24/2009
1447 82	0.07	130	R								NA			NA		03/24/2009
9383 82	0.18	1800	R								NA			NA		06/16/2009