

2002

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

where available

Special Locality Report

177

Town of Broadway

Prepared By

**Virginia Department of Transportation
Mobility Management Division**

In Cooperation With

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

Virginia Department of Transportation
Mobility Management 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 at VDOT Mobility Management’s 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’s Mobility Management 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

Peak Hour: The estimate of the traffic volume for the 30th highest traffic volume occurring in a one-year period divided by the AADT for the same one-year period.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During 12 Months of Continuous Traffic Data
- B Factor based on 30th Highest Hour Observed During Less than 12 Months 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 30th Highest Hour
- N Peak Hour 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
-  Secondary Route

Special Routes

- Bus
 Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route
- ALT
 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
 Mobility Management Division
 2002
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Broadway

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(42)	0.81	8100	N	93%	1%	2%	1%	4%	0%	N	0.089	N	0.563	8200	N	2002
						From: SCL Broadway										
						To: ALT SR 259										
(42)	0.32	7300	G	93%	1%	2%	1%	4%	0%	F	0.089	F	0.606	7400	G	2002
						From: SR 259 South										
						To: ECL Broadway										
(42)	0.33	8700	G	93%	1%	2%	1%	4%	0%	F	0.081	F	0.522	8900	G	2002
						From: ECL Broadway										
						To: SR 42 East of Broadway										
(259)	0.45	7200	N	92%	1%	3%	1%	4%	0%	N	0.080	N	0.5	7300	N	2002
						From: CL Broadway										
						To: SR 42 BROADWAY										
(259) (42)	0.33	8700	G	93%	1%	2%	1%	4%	0%	F	0.081	F	0.522	8900	G	2002
						From: WCL Broadway										
						To: SR 259 SOUTH										
(259)	0.36	7300	G	92%	1%	3%	1%	4%	0%	F	0.090	F	0.691	7400	G	2002
						From: SR 42										
						To: SR 259										
ALT (259) (42)	0.32	7300	G	93%	1%	2%	1%	4%	0%	F	0.089	F	0.606	7400	G	2002
						From: SR 42										
						To: SR 259										
ALT (259)	0.72	2100	G	92%	1%	3%	1%	4%	0%	F	0.099	F	0.526	2200	G	2002
						From: SCL Broadway										
						To: 82-1421										
(617) ₈₂	0.24	410	N	95%	1%	2%	2%	1%	0%	N	0.102	N	0.604	420	N	2002
						From: NCL Broadway										
						To: SR 259 EAST										
(617) ₈₂	0.10	2000	G	95%	1%	2%	2%	1%	0%	F	0.087	F	0.552	2000	G	2002
						From: SR 42										
						To: ECL Broadway										
(801) ₈₂	0.15	350	R							NA			NA		08/24/2000	
						From: SR 259 ALT										
						To: Dead End										
(1401) ₈₂	0.09	50	R							NA			NA		1997	
						From: Dead End										
						To: SR 259 ALT										
(1402) ₈₂	0.11	90	R							NA			NA		1997	
						From: SR 259 ALT										
						To: SR 42										
(1403) ₈₂	0.29	600	R							NA			NA		09/07/2000	
						From: Dead End										
						To: Dead End										
(1403) ₈₂	0.15	190	R							NA			NA		09/07/2000	
						From: Dead End										
						To: SR 259 ALT										
(1404) ₈₂	0.07	220	R							NA			NA		1997	
						From: SR 259 ALT										
						To: 82-1408										
(1405) ₈₂	0.11	200	R							NA			NA		09/07/2000	
						From: 82-1407										
						To: SR 42										
(1405) ₈₂	0.10	390	R							NA			NA		09/07/2000	
						From: 82-1426										
						To: SR 259 ALT										
(1406) ₈₂	0.16	210	R							NA			NA		09/07/2000	

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
1406 82	0.11	1000	R			From: SR 259 ALT					NA			NA		09/07/2000
1406 82	0.07	930	R			From: 82-1408					NA			NA		09/07/2000
1406 82						To: 82-1407										
1407 82	0.12	620	R			From: SR 42					NA			NA		09/07/2000
1407 82						To: 82-1405 EAST										
1407 82	0.12	280	R			From: 82-1405 WEST					NA			NA		09/07/2000
1407 82						To: 82-1403										
1408 82	0.04	990	R			From: SR 42					NA			NA		09/07/2000
1408 82						To: 82-1406										
1408 82	0.06	520	R			From: 82-1405					NA			NA		09/07/2000
1408 82	0.14	360	R			From: 82-1403										
1408 82						To: 82-1403										
1409 82	0.13	200	R			From: SR 42					NA			NA		09/07/2000
1409 82						To: 82-1410										
1410 82	0.09	110	R			From: SR 42					NA			NA		09/07/2000
1410 82						To: 82-1409										
1411 82	0.07	310	R			From: SR 259					NA			NA		1997
1411 82						To: 0.08 M FRM SR 259										
1411 82	0.13	310	R			From: 0.21 M FRM SR 259					NA			NA		1997
1411 82						To: NCL BROADWAY										
1411 82	0.05	80	R			From: NCL BROADWAY					NA			NA		09/07/2000
1411 82						To: Dead End										
1412 82	0.22	900	R			From: Dead End					NA			NA		1997
1412 82						To: SR 259										
1413 82	0.43	880	R			From: 82-1414					NA			NA		1997
1413 82						To: SR 259										
1414 82	0.41	1600	R			From: 82-617					NA			NA		1997
1414 82						To: 82-1413										
1414 82	0.14	2100	R			From: SR 42					NA			NA		1997
1414 82						To: SCL Broadway										
1415 82	0.18	400	N			From: 82-1421					NA		0	N		1997
1415 82						To: SR 42										
1416 82	0.16	410	R			From: 82-1424					NA			NA		09/14/2000
1416 82						To: 82-1417 GAP TERMIN										
1416 82	0.21	300	R			From: 82-1423 Gap Termin					NA			NA		09/14/2000
1416 82						To: 82-1425										
1416 82	0.07	150	R			From: Cul-de-Sac					NA			NA		09/14/2000
1416 82						To: 82-1433										
1417 82	0.02	50	R			From: Cul-de-Sac					NA			NA		09/07/2000
1417 82						To: 82-1433										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
(1417/82)	0.08	180	R			From: 82-1433					NA			NA		09/07/2000
(1417/82)	0.06	380	R			From: 82-1428					NA			NA		09/07/2000
(1417/82)	0.06	570	R			From: 82-1416					NA			NA		09/07/2000
(1417/82)	0.07	780	R			From: 82-1418					NA			NA		09/14/2000
(1417/82)	0.06	1100	R			From: 82-1422					NA			NA		09/14/2000
						To: 82-1421										
(1418/82)	0.12	170	R			From: Dead End					NA			NA		09/14/2000
						To: 82-1424 Gap Termin										
(1418/82)	0.07	130	R			From: Dead End; Gap Terminus					NA			NA		09/14/2000
						To: 82-1417										
(1421/82)	0.20	100	R			From: Dead End					NA			NA		1997
(1421/82)	0.42	680	R			From: 82-617					NA			NA		1997
(1421/82)	0.24	500	R			From: 82-1415					NA			NA		1997
						To: 82-1424										
(1421/82)	0.54	3700	R			From: SR 42					NA			NA		1997
						To: ECL Broadway										
(1422/82)	0.10	180	R			From: Dead End					NA			NA		09/14/2000
						To: 82-1417										
(1423/82)	0.05	180	R			From: 82-1429					NA			NA		1986
						To: SCL BROADWAY										
(1423/82)	0.17	280	R			From: 82-1416					NA			NA		09/14/2000
(1423/82)	0.19	600	R			From: 82-1421					NA			NA		09/14/2000
(1424/82)	0.06	100	R			From: 82-1428					NA			NA		09/14/2000
(1424/82)	0.06	220	R			From: 82-1416					NA			NA		09/14/2000
(1424/82)	0.13	480	R			From: 82-1418					NA			NA		09/14/2000
						To: 82-1421										
(1425/82)	0.12	120	R			From: Dead End					NA			NA		09/14/2000
(1425/82)	0.06	30	R			From: 82-1416					NA			NA		09/14/2000
						To: NCL BROADWAY										
(1426/82)	0.03	200	R			From: SR 42					NA			NA		09/07/2000
(1426/82)	0.06	40	R			From: 82-1406					NA			NA		09/07/2000
						To: Dead End										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Broadway																
1427 82	0.18	320	R			From: 82-1431					NA		NA			09/07/2000
						To: 82-1414										
1428 82	0.16	480	R			From: SR 42					NA		NA			09/07/2000
						To: 82-1424										
1428 82	0.21	440	R			From: 82-1424					NA		NA			09/07/2000
						To: 82-1417										
1429 82	0.13	150	R			From: 82-1423					NA		NA			09/14/2000
						To: 82-1430										
1429 82	0.04	40	R			From: 82-1430					NA		NA			09/14/2000
						To: Dead End										
1430 82	0.11	60	R			From: 82-1429					NA		NA			09/14/2000
						To: Cul-de-Sac										
1431 82	0.08	100	R			From: 82-1414					NA		NA			09/07/2000
						To: 82-1427										
1432 82	0.20	NA				From: SR-00042(B)/					NA		NA			
						To: Dead End/										
1433 82	0.06	100	R			From: Cul-de-Sac					NA		NA			09/07/2000
						To: 82-1417										
1434 82	0.11	260	R			From: Dead End					NA		NA			09/14/2000
						To: 82-1424										
1435 82	0.09	NA				From: 82-01436(L)/					NA		NA			
						To: SR-00042(B)/										
1436 82	0.16	NA				From: Dead End/					NA		NA			
						To: 82-01435(L)/										
1438 82	0.04	450	R			From: Cul-de-Sac					NA		NA			08/21/2000
						To: SR 259										
1440 82	0.07	180	R			From: SR 42					NA		NA			09/07/2000
						To: Cul-de-Sac										
1441 82	0.12	140	R			From: 82-1440					NA		NA			09/07/2000
						To: Cul-de-Sac										
1442 82	0.25	NA				From: 82-01421(B)/					NA		NA			
						To: Cul-de-Sac/										
9383 82	0.18	NA				From: 82-1421 WEST					NA		NA			
						To: 82-1417; 82-1421 EAST										