

**2002**

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

where available

**Special Locality Report**

**168**

Town of Berryville

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 30<sup>th</sup> 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



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 - 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  
 Mobility Management Division  
 2002  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Berryville

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Berryville</b>																
Bus 7	0.86	6300	N	94%	1%	From: WCL Berryville				N	0.091	N	0.532	6400	N	2002
Bus 7	1.12	4100	G	94%	1%	From: US 340 Berryville				C	0.090	F	0.634	4100	G	2002
						To: ECL Berryville										
340	0.50	8100	N	90%	1%	From: SCL Berryville				N	0.081	N	0.578	8300	N	2002
340	0.45	9500	G	90%	1%	From: SR 7 Bus				F	0.085	F	0.555	9700	G	2002
						To: NCL Berryville										
613 21	0.31	540	N	98%	0%	From: CL Berryville				N	0.095	N	0.612	550	N	2002
613 21	0.17	2300	G	98%	0%	From: 21-673				F	0.113	F	0.681	2400	G	2002
						To: SR 7 BUS										
614 21	0.48	670	R			From: Dead End					NA			NA		1997
						To: 21-616										
615 21	0.68	1200	G	90%	1%	From: SR 7 BUS				C	0.087	F	0.679	1200	G	2002
						To: NCL BERRYVILLE										
616 21	0.48	1700	G			From: SCL BERRYVILLE					0.104	F	0.617	1700	G	2002
						To: 21-1011										
616 21	0.06	2700	G			From: SR 7 BUS					0.101	F	0.519	2800	G	2002
						To: SR 7 BUS										
616 21	0.13	1800	G			From: 21-1005					0.096	F	0.512	1800	G	2002
						To: 21-1005										
616 21	0.25	1200	G			From: 21-1005					0.097	F	0.775	1200	G	2002
						To: US 340 NORTH										
671 21	0.37	300	R			From: Dead End					NA			NA		04/06/2000
						To: 21-1020										
671 21	0.08	440	R			From: SR 7 BUS					NA			NA		04/06/2000
						To: SR 7 BUS										
673 21	0.11	100	R			From: 21-613					NA			NA		04/06/2000
						To: Dead End										
681 21	0.07	90	R			From: Dead End					NA			NA		04/06/2000
						To: 21-616										
1001 21	0.08	1600	R			From: 21-616					NA			NA		1996
						To: US 340 SOUTH										
1001 21	0.12	340	R			From: US 340 NORTH					NA			NA		04/06/2000
						To: 21-1004										
1001 21	0.06	230	R			From: 21-1004					NA			NA		1996
						To: 21-1025										
1001 21	0.06	190	R			From: 21-1025					NA			NA		04/06/2000
						To: 21-1003										
1002 21	0.08	320	R			From: US 340					NA			NA		04/06/2000
						To: 21-1004										

Virginia Department of Transportation  
 Mobility Management Division  
 2002  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Berryville

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Berryville</b>																
1002 21	0.13	320	R			From: 21-1004					NA		NA			1996
1002 21	0.07	240	R			From: 21-1003					NA		NA			04/06/2000
1002 21	0.03	180	R			From: 21-1009					NA		NA			04/06/2000
						To: Dead End										
1003 21	0.18	1300	R			From: Dead End					NA		NA			1996
1003 21	0.09	520	R			To: SR 7 BUS					NA		NA			1996
1003 21	0.07	210	R			From: 21-1001					NA		NA			1997
						To: 21-1002										
1004 21	0.09	310	R			From: SR 7 BUS					NA		NA			04/06/2000
1004 21	0.08	260	R			To: 21-1001					NA		NA			1996
1004 21	0.11	130	R			From: 21-1002					NA		NA			04/06/2000
						To: 21-1010										
1005 21	0.19	1200	R			From: 21-615					NA		NA			1996
1005 21	0.01	1700	R			To: 21-1014 SOUTH					NA		NA			1995
1005 21	0.17	1900	R			From: 21-1014 NORTH					NA		NA			1997
						To: 21-616										
1006 21	0.14	140	R			From: Dead End					NA		NA			1997
1006 21	0.09	220	R			To: US 340					NA		NA			1997
						To: 21-616										
1007 21	0.16	870	R			From: Dead End					NA		NA			1996
						To: SR 7 BUS										
1008 21	0.11	420	R			From: Dead End					NA		NA			1997
1008 21	0.15	570	R			To: 21-1013					NA		NA			1997
1008 21	0.09	310	R			From: US 340					NA		NA			1996
						To: 21-616										
1009 21	0.08	50	R			From: 21-1002					NA		NA			04/06/2000
						To: 21-1010										
1010 21	0.03	700	R			From: US 340					NA		NA			1996
1010 21	0.20	380	R			To: 21-1004					NA		NA			1997
1010 21	0.12	390	R			From: 21-1009					NA		NA			1996
						To: 21-1024										



Virginia Department of Transportation  
 Mobility Management Division  
 2002  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Berryville

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Berryville</b>																
1010 21	0.08	200	R			From: 21-1024					NA		NA			1995
						To: NWCL BERRYVILLE										
1011 21	0.08	1300	R			From: 21-616					NA		NA			1997
						To: US 340										
1012 21	0.16	940	R			From: Dead End					NA		NA			1996
						To: 21-616										
1013 21	0.21	160	R			From: US 340					NA		NA			1997
						To: 21-1008										
1014 21	0.10	560	R			From: Dead End					NA		NA			1996
						To: 21-1005 SOUTH										
1014 21	0.06	1200	R			From: 21-1005 NORTH					NA		NA			1996
						To: 21-1021										
1014 21	0.05	890	R			From: 21-1021					NA		NA			1997
						To: 21-1023										
1014 21	0.05	500	R			From: 21-1023					NA		NA			1997
						To: Dead End										
1015 21	0.06	160	R			From: 21-1016					NA		NA			04/06/2000
						To: 21-1017										
1015 21	0.08	600	R			From: 21-1017					NA		NA			1996
						To: US 340										
1016 21	0.09	45	R			From: 21-1017					NA		NA			04/06/2000
						To: 21-1015										
1017 21	0.05	140	R			From: 21-1015					NA		NA			04/06/2000
						To: 21-1016										
1017 21	0.04	160	R			From: 21-1016					NA		NA			1996
						To: 21-1018										
1018 21	0.05	70	R			From: Cul-de-Sac					NA		NA			04/06/2000
						To: 21-1017										
1020 21	0.15	190	R			From: Dead End					NA		NA			04/06/2000
						To: 21-671										
1021 21	0.10	390	R			From: 21-615					NA		NA			1997
						To: 21-1014										
1021 21	0.06	260	R			From: 21-1014					NA		NA			1997
						To: 21-1022										
1022 21	0.04	210	R			From: 21-1021					NA		NA			1996
						To: 21-1023										
1023 21	0.06	150	R			From: Cul-de-Sac					NA		NA			1997
						To: 21-1014										
1023 21	0.04	120	R			From: 21-1014					NA		NA			1997
						To: 21-1022										

Virginia Department of Transportation  
 Mobility Management Division  
 2002  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Berryville

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Berryville</b>																
1024 21	0.20	450	R			From: SR 7 BUS					NA		NA			1996
						To: 21-1010										
1025 21	0.05	50	R			From: 21-1001					NA		NA			04/06/2000
						To: Cul-de-Sac										
1026 21	0.06	NA				From: Dead End					NA		NA			
						To: 21-1014										
1027 21	0.21	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01006(B)/										
1028 21	0.08	NA				From: Dead End/					NA		NA			
						To: 21-01027(B)/										
1035 21	0.45	1400	R			From: Dead End					NA		NA			04/24/2000
						To: 21-1036										
1035 21	0.07	4200	R			From: 21-1036					NA		NA			04/24/2000
						To: US 340										
1036 21	0.05	70	R			From: Cul-de-Sac					NA		NA			04/06/2000
						To: 21-1035										
1037 21	0.09	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01035(B)/										
1038 21	0.09	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01035(B)/										
1039 21	0.09	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01035(B)/										
1040 21	0.08	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01035(B)/										
1041 21	0.33	NA				From: C1SR-00007(B)/					NA		NA			
						To: 21-01035(B)/										
1042 21	0.11	NA				From: Cul-de-Sac/					NA		NA			
						To: 21-01041(B)/										
9104 21	0.06	320	R			From: SR 7					NA		NA			1995
						To: BERRYVILLE HIGH SCH										