

**2003**

**Virginia Department of Transportation  
Daily Traffic Volume Estimates**

**Special Locality Report**

**125**

Town of Pulaski

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.

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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

**K Factor:** The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

**QK:** Quality of the Peak Hour 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 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  
 2003  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Pulaski

Route	Length	AADT	QA	Year
<b>Town of Pulaski</b>				
From SCL Pulaski				
11 Washington Ave	0.71	3500	G	2003
To 2nd St				
From 2nd St				
11 Washington St	0.30	5800	G	2003
To Main St				
From Main St				
11 Washington Ave	0.22	5300	G	2003
To 5th St				
From 5th St				
11 5th Street	0.20	8200	G	2003
To Lee Hwy				
From Lee Hwy				
11 Lee Hwy	0.84	12000	G	2003
To Alum Spring Rd				
From Alum Spring Rd				
11 Lee Hwy	1.60	12000	G	2003
To ECL Pulaski				
From ECL Pulaski				
99 Randolph Ave	0.68	1600	G	2003
To 9th St				
From 9th St				
99 Randolph Ave	0.47	3600	G	2003
To 3Rd St				
From 3Rd St				
99 Randolph Ave	0.08	4000	G	2003
To Main St				
From Main St				
99 Main Street	0.20	1900	G	2003
To Randolph Ave				
From Randolph Ave				
99 Main Street	0.32	3900	G	2003
To Washington Ave				
From Washington Ave				
99 Main Street	0.32	3900	G	2003
To Washington Ave				
From Washington Ave				
99 Main Street	1.10	13000	G	2003
To 3Rd St				
From 3Rd St				
99 Main Street	1.00	7300	G	2003
To Bob White Blvd				
From Bob White Blvd				
99 Main Street	1.00	7300	G	2003
To ECL Pulaski				
From ECL Pulaski				
99 3rd Street	0.25	1800	G	2003
To SR 99 Randolph Ave				
From SR 99 Randolph Ave				
99 3rd Street	0.25	1800	G	2003
To SR 99 Randolph Ave				
From SR 99 Randolph Ave				
99 3rd Street	0.34	4000	G	2003
To US 11 Washington Ave				
From US 11 Washington Ave				
99 3rd Street	0.34	4000	G	2003
To US 11 Washington Ave				
From US 11 Washington Ave				
99 3rd Street	0.34	4000	G	2003
To US 11 Washington Ave				
From US 11 Washington Ave				
99 3rd Street	0.34	4000	G	2003
To US 11 Washington Ave				
From US 11 Washington Ave				
4600 Dora Hwy	0.22	2200	G	2003
To Pierce Ave				
From Pierce Ave				
4600 Dora Hwy	0.96	1100	G	2003
To Springer Ave				
From Springer Ave				
4600 Dora Hwy	1.12	1200	G	2003
To SR 99				
From SR 99				
4601 Valley Rd	0.55	NA		
To 77-650 JB-125 SCL Pulaski				
From 77-650 JB-125 SCL Pulaski				
4601 Valley Rd	0.33	1100	G	2003
To Pulaski Street				
From Pulaski St				
4601 Valley Rd	0.33	1100	G	2003
To Commerce St				
From Commerce St				
4601 Valley Rd	0.13	NA		
To 125-4602; Commerce St				
From 125-4602; Commerce St				
4601 Valley Rd	0.13	NA		
To SR 99 Randolph St				
From SR 99 Randolph St				

Route	Length	AADT	QA	Year
<b>Town of Pulaski</b>				
From SCL Pulaski				
4602 Case Knife Rd	0.58	640	G	2003
To Howard St				
From Howard St				
4602 Howard St	0.21	900	G	2003
To Case Knife Rd				
From Case Knife Rd				
4602 Howard St	0.21	900	G	2003
To Commerce St				
From Commerce St				
4602 Commerce St	0.69	2600	G	2003
To Howard St				
From Howard St				
4602 Commerce St	0.27	2400	G	2003
To Valley Rd				
From Valley Rd				
4602 Commerce St	0.27	2400	G	2003
To US 11 Washington Ave				
From US 11 Washington Ave				
4603 Altoona St	0.32	1300	G	2003
To Main St				
From Main St				
4603 Altoona St	0.32	1300	G	2003
To NCL Pulaski				
From NCL Pulaski				
4604 MT. Olivet Rd	0.28	1100	G	2003
To WCL Pulaski				
From WCL Pulaski				
4604 MT. Olivet Rd	0.28	1100	G	2003
To Magazine St				
From Magazine St				
4604 Magazine St	0.13	1300	G	2003
To Mt. Olivet Rd				
From Mt. Olivet Rd				
4604 Magazine St	0.13	1300	G	2003
To Main St				
From Main St				
4604 Main St	0.08	1400	G	2003
To Magazine St				
From Magazine St				
4604 Main St	0.15	2900	G	2003
To Altoona Rd				
From Altoona Rd				
4604 Main St	0.15	2900	G	2003
To SR 99 Randolph Ave				
From SR 99 Randolph Ave				
4607 Alum Spring Rd	0.57	2000	G	2003
To Lee Highway US 11				
From Lee Highway US 11				
4608 Peppers Ferry Rd	1.10	2500	G	2003
To US 11 Lee Hwy				
From US 11 Lee Hwy				
4608 Peppers Ferry Rd	0.37	670	G	2003
To Memorial Dr				
From Memorial Dr				
4608 Peppers Ferry Rd	0.37	670	G	2003
To Beth Scott Dr Old ECL				
From Beth Scott Dr Old ECL				
4608 Peppers Ferry Rd	1.22	650	G	2003
To US 11 Lee Hwy				
From US 11 Lee Hwy				
4609 Memorial Dr	1.21	8000	G	2003
To Bob White Blvd				
From Bob White Blvd				
4609 Memorial Dr	1.21	8000	G	2003
To US11 Main St				
From US11 Main St				
4611 Bob White Blvd	0.39	8700	G	2003
To Main St				
From Main St				
4611 Bob White Blvd	0.36	6600	G	2003
To Memorial Dr				
From Memorial Dr				
4611 Bob White Blvd	1.33	6000	G	2003
To Peakland Rd				
From Peakland Rd				
4611 Bob White Blvd	1.33	6000	G	2003
To NCL Pulaski				
From NCL Pulaski				
5th Street		3600	G	2003
To Washington Ave				
From Washington Ave				
5th Street		3600	G	2003
To Randolph Ave				
From Randolph Ave				
Duncan Avenue		3500	F	2003
To 1st St				
From 1st St				
Duncan Avenue		3500	F	2003
To SR 99 Main St				
From SR 99 Main St				
Grove Ave		NA		
To Newbern Rd				
From Newbern Rd				
Grove Ave		NA		
To English Forest Rd				
From English Forest Rd				
Hopkins Dr		170	G	2003
To Grove Dr				
From Grove Dr				
Hopkins Dr		170	G	2003
To Peppers Ferry Rd				
From Peppers Ferry Rd				

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 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Pulaski

Route	Length	AADT	QA	Year
<b>Town of Pulaski</b>				
From	Hill St			
MacGill St		660	G	2003
To	Dillon St			
From	Peppers Ferry Road			
Mashburn Ave		NA		
To	Newbern Road			