

**2017**

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

where available

**Special Locality Report**

**281**

Town of Pennington Gap

Information in this report is included in Report

**52**

(Lee 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.

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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 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
-  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  
 2017  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Pennington Gap

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
ALT 58 Morgan Ave	From: WCL Pennington Gap Town of Pennington Gap (Maint: 52)	1.79	8400	N	96%	0%	1%	1%	2%	0%	N	0.090	0.502	8700	N	
ALT 58 421 E Morgan Ave	To: US 421 W, Old Zion Rd From: Town of Pennington Gap (Maint: 52)	0.40	12000	G	96%	0%	1%	1%	2%	0%	F	0.087	0.524	13000	G	
ALT 58 Trail of the Lonesome Pine	To: US 421 E, Woodway Rd From: Town of Pennington Gap (Maint: 52)	0.23	6200	G	96%	0%	1%	1%	2%	0%	C	0.089	0.520	6500	G	
421	To: ECL Pennington Gap From: Town of Pennington Gap (Maint: 52)	0.77	3600	N	95%	1%	1%	1%	3%	0%	N	0.094	0.501	3800	N	
421 ALT 58 E Morgan Ave	To: ALT US 58 W From: Town of Pennington Gap (Maint: 52)	0.40	12000	G	96%	0%	1%	1%	2%	0%	F	0.087	0.524	13000	G	
421	To: ALT US 58 E From: ALT US 58 E Trail of the Lonesome Pine Town of Pennington Gap (Maint: 52)	0.18	5300	G	95%	1%	1%	1%	2%	0%	F	0.096	0.519	5600	G	
	To: SCL Pennington Gap															

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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Pennington Gap</b>																
633 52 S Fork River Rd	0.45	40	R			SCL Pennington Gap					NA			NA		09/30/2014
-----																
From: NCL Pennington Gap																
640 52 Shavers Ford Rd	0.11	510	G	98%	0%	1%	1%	0%	0%	F	0.118		0.516	530	G	2017
-----																
From: 52-1123 Media St																
640 52 Shavers Ford Rd	0.25	550	G	98%	0%	1%	1%	0%	0%	F	0.116		0.504	570	G	2017
-----																
From: 52-1117 Hospital Dr																
640 52 Harrell St	0.20	810	G	98%	0%	1%	1%	0%	0%	F	0.117		0.510	840	G	2017
-----																
From: Alt US 58																
-----																
From: Alt US 58 ; 52-1111																
706 52 Kentucky Rd	0.67	2100	R								NA			NA		09/30/2014
-----																
From: US 421																
706 52 Fairground St	0.08	120	R								NA			NA		09/11/2014
-----																
From: Dead End																
-----																
From: WCL Pennington Gap																
721 52 Combs Rd	0.11	1600	R								NA			NA		10/07/2014
-----																
From: Alt US 58																
-----																
From: US 421																
764 52 Johnson Rd	0.66	430	R								NA			NA		09/11/2014
-----																
From: 52-1104 Anderson St																
764 52 Johnson Rd	0.20	130	R								NA			NA		09/11/2014
-----																
From: 52-1114 Forest Ave																
764 52 Johnson Rd	0.26	670	R								NA			NA		09/11/2014
-----																
From: 52-706 Kentucky Rd																
-----																
From: 52-1116 Herndon St																
1100 52 Smithfield Dr	0.06	40	R								NA			NA		08/08/2014
-----																
From: Dead End																
-----																
From: Alt US 58																
1101 52 Cecil St	0.20	390	R								NA			NA		10/02/2014
-----																
From: 52-1133 Bailey Rd																
1101 52 Cecil St	0.10	40	R								NA			NA		10/02/2014
-----																
From: NCL Pennington Gap																
-----																
From: Alt US 58																
1102 52 Leona St	0.14	360	R								NA			NA		10/02/2014
-----																
From: Dead End																
-----																
From: Dead End																
1103 52 Leigh St	0.27	110	R								NA			NA		10/02/2014
-----																
From: 52-1101 Cecil St																
1103 52 Leigh St	0.50	210	R								NA			NA		10/02/2014
-----																
From: 52-1102 Leona St																
1103 52 Leigh St	0.18	70	R								NA			NA		10/02/2014
-----																
From: Dead End																
-----																
From: 52-764 Johnson Rd																
1104 52 Anderson St	0.06	140	R								NA			NA		09/11/2014
-----																
From: Alt US 58																
1104 52 Anderson St	0.12	150	R								NA			NA		09/11/2014
-----																
From: 52-1114 Forest Ave																
1104 52 Anderson St	0.06	160	R								NA			NA		09/11/2014
-----																
From: 52-1134 EAST																
-----																
From: 52-1134 WEST																
1104 52 Anderson St	0.11	80	R								NA			NA		09/30/2014
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From: 52-1136																



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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Pennington Gap</b>																
1105 52 Johnson St	0.28	90	R			From 52-764 Johnson Rd					NA		NA			09/30/2014
						To 52-1113 Robinette St										
1106 52 Ford St	0.28	110	R			From 52-640 SCL Pennington Gap					NA		NA			10/02/2014
						To Dead End										
1108 52 Church Ave	0.25	170	R			From 52-1104 Anderson St					NA		NA			09/30/2014
						To US 421					NA		NA			09/30/2014
						To Dead End										
1109 52 Oakwood Dr	0.33	170	R			From Dead End					NA		NA			09/30/2014
						To US 421					NA		NA			09/30/2014
						To 52-1137 Industrial Dr										
1110 52 Cross St	0.06	20	R			From 52-1103 Leigh St					NA		NA			08/08/2014
						To Dead End										
1111 52 Joslyn Ave	0.69	1200	R			From 52-706 Kentucky Rd					NA		NA			10/02/2014
						To Alt US 58										
1112 52 Liberty St	0.05	790	R			From 52-1111 Joslyn Ave					NA		NA			10/02/2014
						To Alt US 58					NA		NA			10/02/2014
						To Dead End										
1113 52 Robinette St	0.18	100	R			From Dead End					NA		NA			08/08/2014
						To US 421										
1114 52 Forest Ave	0.12	90	R			From 52-764 Johnson Rd					NA		NA			09/30/2014
						To 52-1104 Gap										
						From US 421 Gap					NA		NA			09/30/2014
						To Dead End										
1115 52 Nolan Ave	0.08	100	R			From 52-1116 Herndon St					NA		NA			10/02/2014
						To 52-1101 Cecil St										
1116 52 Herndon St	0.22	270	R			From Alt US 58					NA		NA			10/02/2014
						To Dead End										
1117 52 Hospital Dr	0.12	140	R			From Dead End					NA		NA			09/30/2014
						To 52-640 Skaggs Hill Rd										
1118 52 Willow Ave	0.06	60	R			From 52-1117 Hospital Dr					NA		NA			09/30/2014
						To 52-1119 Willow Rd										
						To Dead End										
1119 52 Willow Ave	0.07	40	R			From Dead End					NA		NA			09/30/2014
						To 52-1118 Willow Ave										
						To Dead End										
1120 52 Ford St	0.06	20	R			From Dead End					NA		NA			10/02/2014
						To 52-1103 Leigh St										
1120 52 Ford St	0.07	70	R			From 52-1103 Leigh St					NA		NA			10/02/2014
						To Alt US 58										

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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Pennington Gap</b>																
1120 52 Ford St	0.05	220	R								NA			NA		10/02/2014
1120 52 Ford St	0.06	150	R								NA			NA		10/02/2014
1121 52 Summit Ave	0.25	240	R								NA			NA		10/02/2014
1123 52 Media St	0.10	60	R								NA			NA		10/02/2014
1124 52 Lee St	0.08	90	R								NA			NA		09/30/2014
1125 52 Doris Ave	0.26	780	R								NA			NA		09/30/2014
1126 52 Duff St	0.17	350	R								NA			NA		10/02/2014
1127 52 Burke St	0.04	120	R								NA			NA		10/02/2014
1128 52 Calvary St	0.06	400	R								NA			NA		10/02/2014
1129 52 Constitution Rd	0.16	240	R								NA			NA		09/30/2014
1130 52 Zion Ave	0.04	210	R								NA			NA		09/30/2014
1131 52 Walnut St	0.04	80	R								NA			NA		09/30/2014
1132 52 Allen St	0.05	160	R								NA			NA		09/30/2014
1133 52 Bailey St	0.25	100	R								NA			NA		10/02/2014
1134 52 Squirrel Ave	0.09	90	R								NA			NA		12/04/2014
1135 52 Locust St	0.11	50	R								NA			NA		09/30/2014
1136 52	0.05	45	R								NA			NA		09/30/2014
1137 52 Industrial Dr	0.48	1100	R								NA			NA		09/30/2014
1138 52 Squirrel Ave	0.08	50	R								NA			NA		09/30/2014

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Pennington Gap</b>																
① <sup>1139</sup> <sub>52</sub> Burke St	0.16	60	R			From: Dead End					NA			NA		08/08/2014
						To: 52-1103 Leigh St										
① <sup>1140</sup> <sub>52</sub> Media St	0.05	40	R			From: Dead End					NA			NA	10/02/2014	
						To: 52-1123 Media St										
① <sup>1141</sup> <sub>52</sub> Main St	0.16	190	R			From: US 58					NA			NA	09/30/2014	
						To: 52-1130 Zion Ave										
① <sup>1141</sup> <sub>52</sub> Main St	0.17	220	R			From: Dead End					NA			NA	09/30/2014	
						To: Dead End										
① <sup>1142</sup> <sub>52</sub> N Kentuck St	0.01	70	R			From: 52-706 Kentucky Rd					NA			NA	09/30/2014	
						To: Dead End										
① <sup>1143</sup> <sub>52</sub> Edwards St	0.05	70	R			From: Alt US 58					NA			NA	10/02/2014	
						To: 52-1103 Leigh St										
① <sup>1144</sup> <sub>52</sub> Constitution Dr	0.14	40	R			From: 52-640 Skaggs Hill Rd					NA			NA	09/30/2014	
						To: Dead End										
① <sup>1145</sup> <sub>52</sub> Terrace Dr	0.04	160	R			From: 52-721 Combs Rd					NA			NA	10/07/2014	
						To: Dead End										
① <sup>1148</sup> <sub>52</sub> Fairground Rd	0.38	40	R			From: 52-706 Fairground St					NA			NA	01/27/2009	
						To: 52-621 Right Poor Valley Rd										
① <sup>1149</sup> <sub>52</sub> Bank St	0.05	140	R			From: 52-1111 Joslyn Ave					NA			NA	10/02/2014	
						To: Alt US 58 WEST										
① <sup>9659</sup> <sub>52</sub>	0.16	480	R			From: Alt US 58					NA			NA	10/02/2014	
						To: Pennington Gap School										