2011
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.

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
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
Wye - Wye 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 Maintainenance 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
2011
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Pennington Gap

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
ALT 58 Morgan Ave	From: WCL Pennington Gap															
	Town of Pennington Gap (Maint: 52)	1.79	**8900**	**N**	95%	1%	1%	2%	2%	0%	N	0.095	N	0.516	9400	N
	To: US 421 W, Old Zion Rd															
ALT 58 421 E Morgan Ave	From: Town of Pennington Gap (Maint: 52)	0.40	**13000**	**G**	95%	1%	1%	2%	2%	0%	F	0.089	F	0.527	14000	G
	To: US 421 E, Woodway Rd															
ALT 58 Trail of the Lonesome Pine	From: Town of Pennington Gap (Maint: 52)	0.23	**6500**	**G**	95%	1%	1%	2%	2%	0%	C	0.086	F	0.517	6800	G
	To: ECL Pennington Gap															
421	From: NCL Pennington Gap															
	Town of Pennington Gap (Maint: 52)	0.77	**4200**	**N**	94%	0%	1%	1%	3%	0%	N	0.089	N	0.543	4400	N
	To: ALT US 58 W															
421 ALT 58 E Morgan Ave	From: Town of Pennington Gap (Maint: 52)	0.40	**13000**	**G**	95%	1%	1%	2%	2%	0%	F	0.089	F	0.527	14000	G
	To: ALT US 58 E															
421	From: ALT US 58 E Trail of the Lonesome Pine															
	Town of Pennington Gap (Maint: 52)	0.18	**5100**	**G**	94%	0%	1%	2%	2%	0%	F	0.089	F	0.501	5400	G
	To: SCL Pennington Gap															

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Town of Pennington Gap																
633 S Fork River Rd	0.45	**4**	**R**								NA			NA		01/06/2009
From: SCL Pennington Gap																
To: NCL Pennington Gap																
640 Shavers Ford Rd	0.11	**580**	**G**	98%	0%	1%	0%	0%	0%	F	0.101	F	0.618	610	G	2011
From: 52-1106 Ford St																
To: 52-1123 Media St																
640 Shavers Ford Rd	0.25	**660**	**G**	98%	0%	1%	0%	0%	0%	F	0.092	F	0.669	690	G	2011
From: 52-1123 Media St																
To: 52-1117 Hospital Dr																
640 Harrell St	0.20	**1100**	**G**	98%	0%	1%	0%	0%	0%	F	0.089	F	0.554	1200	G	2011
From: 52-1117 Hospital Dr																
To: Alt US 58																
706 Kentucky Rd	0.67	**2800**	**R**								NA			NA		01/29/2009
From: Alt US 58 ; 52-1111																
To: US 421																
706 Fairground St	0.08	**60**	**R**								NA			NA		01/29/2009
From: US 421																
To: Dead End																
721	0.11	**2400**	**N**								NA			NA		02/11/2009
From: WCL Pennington Gap																
To: Alt US 58																
764 Johnson Rd	0.66	**760**	**R**								NA			NA		01/12/2009
From: US 421																
To: 52-1104 Anderson St																
764 Johnson Rd	0.20	**630**	**R**								NA			NA		01/12/2009
From: 52-1104 Anderson St																
To: 52-1114 Forest Ave																
764 Johnson Rd	0.26	**530**	**R**								NA			NA		01/12/2009
From: 52-1114 Forest Ave																
To: 52-706 Kentucky Rd																
1100 Smithfield Dr	0.06	**30**	**R**								NA			NA		02/09/2009
From: 52-1116 Herndon St																
To: Dead End																
1101 Cecil St	0.20	**720**	**R**								NA			NA		02/09/2009
From: Alt US 58																
To: 52-1133 Bailey Rd																
1101 Cecil St	0.10	**90**	**R**								NA			NA		02/09/2009
From: 52-1133 Bailey Rd																
To: NCL Pennington Gap																
1102 Leona St	0.14	**350**	**R**								NA			NA		02/09/2009
From: Alt US 58																
To: Dead End																
1103 Leigh St	0.27	**80**	**R**								NA			NA		02/09/2009
From: Dead End																
To: 52-1101 Cecil St																
1103 Leigh St	0.50	**290**	**R**								NA			NA		02/09/2009
From: 52-1101 Cecil St																
To: 52-1102 Leona St																
1103 Leigh St	0.18	**100**	**R**								NA			NA		02/09/2009
From: 52-1102 Leona St																
To: Dead End																
1104 Anderson St	0.06	**560**	**R**								NA			NA		01/12/2009
From: 52-764 Johnson Rd																
To: Alt US 58																
1104 Anderson St	0.12	**100**	**R**								NA			NA		01/12/2009
From: Alt US 58																
To: 52-1114 Forest Ave																
1104 Anderson St	0.06	**180**	**R**								NA			NA		01/12/2009
From: 52-1114 Forest Ave																
To: 52-1134 EAST																
1104 Anderson St	0.11	**90**	**R**								NA			NA		01/12/2009
From: 52-1134 WEST																
To: 52-1136																

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Town of Pennington Gap																
1105 52 Johnson St	0.28	**180**	**R**								NA			NA		01/12/2009
From: 52-764 Johnson Rd To: 52-1113 Robinette St																
1106 52 Ford St	0.28	**60**	**R**								NA			NA		02/11/2009
From: 52-640 SCL Pennington Gap To: Dead End																
1108 52 Church Ave	0.25	**180**	**R**								NA			NA		01/12/2009
From: 52-1104 Anderson St To: US 421																
1108 52 Church Ave	0.17	**140**	**R**								NA			NA		01/12/2009
From: Dead End To: Dead End																
1109 52 Oakwood Dr	0.33	**230**	**R**								NA			NA		01/12/2009
From: Dead End To: US 421																
1109 52 Oakwood Dr	0.26	**260**	**R**								NA			NA		01/12/2009
From: 52-1103 Leigh St To: 52-1137 Industrial Dr																
1110 52 Cross St	0.06	**7**	**R**								NA			NA		02/09/2009
From: 52-706 Kentucky Rd To: Dead End																
1111 52 Joslyn Ave	0.69	**130**	**R**								NA			NA		02/09/2009
From: 52-1111 Joslyn Ave To: Alt US 58																
1112 52 Liberty St	0.05	**970**	**R**								NA			NA		01/29/2009
From: Alt US 58 To: Dead End																
1112 52 Liberty St	0.04	**40**	**R**								NA			NA		01/29/2009
From: Dead End To: US 421																
1113 52 Robinette St	0.18	**110**	**R**								NA			NA		01/12/2009
From: 52-764 Johnson Rd To: 52-1104 Gap																
1114 52 Forest Ave	0.12	**80**	**R**								NA			NA		01/27/2009
From: US 421 Gap To: Dead End																
1114 52 Forest Ave	0.25	**120**	**R**								NA			NA		01/27/2009
From: 52-1116 Herndon St To: 52-1101 Cecil St																
1115 52 Nolan Ave	0.08	**240**	**R**								NA			NA		02/09/2009
From: Alt US 58 To: Dead End																
1116 52 Herndon St	0.22	**570**	**R**								NA			NA		02/09/2009
From: Dead End To: 52-640 Skaggs Hill Rd																
1117 52 Hospital Dr	0.12	**190**	**R**								NA			NA		02/11/2009
From: 52-1117 Hospital Dr To: 52-1119 Willow Rd																
1118 52 Willow Ave	0.06	**80**	**R**								NA			NA		02/11/2009
From: Dead End To: 52-1118 Willow Ave																
1119 52 Willow Ave	0.07	**50**	**R**								NA			NA		02/11/2009
From: Dead End To: 52-1103 Leigh St																
1120 52 Ford St	0.06	**40**	**R**								NA			NA		02/09/2009
From: 52-1103 Leigh St To: Alt US 58																
1120 52 Ford St	0.07	**110**	**R**								NA			NA		02/09/2009

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Town of Pennington Gap																
1120 52 Ford St	0.05	**300**	**R**								NA			NA		02/09/2009
From: Alt US 58 To: 52-1111 Joslyn Ave																
1120 52 Ford St	0.06	**220**	**R**								NA			NA		02/09/2009
From: Dead End To:																
1121 52 Summit Ave	0.25	**310**	**R**								NA			NA		02/09/2009
From: Dead End To: 52-1116 Herndon St																
1123 52 Media St	0.10	**70**	**R**								NA			NA		02/11/2009
From: 52-640 Skaggs Hill Rd To: 52-1140 Media St																
1124 52 Lee St	0.08	**170**	**R**								NA			NA		01/12/2009
From: 52-764 Johnson Rd To: Alt US 58																
1125 52 Doris Ave	0.26	**900**	**R**								NA			NA		01/12/2009
From: 52-1104 Anderson St To: US 421; Alt US 58																
1126 52 Duff St	0.17	**430**	**R**								NA			NA		02/09/2009
From: Alt US 58 To: Dead End																
1127 52 Burke St	0.04	**150**	**R**								NA			NA		02/11/2009
From: 52-1111 Joslyn Ave To: Alt US 58																
1128 52 Calvary St	0.06	**440**	**R**								NA			NA		02/09/2009
From: Alt US 58 To: 52-1103 Leigh St																
1129 52 Consatitution Rd	0.16	**320**	**R**								NA			NA		02/11/2009
From: 52-640 Skaggs Hill Rd To: Dead End																
1130 52	0.04	**220**	**R**								NA			NA		01/29/2009
From: 52-706 Kentucky Rd To: 52-1141																
1131 52 Walnut St	0.04	**90**	**R**								NA			NA		01/12/2009
From: 52-1108 Church Ave To: 52-1109 Oakwood Ave																
1132 52 Allen St	0.05	**130**	**R**								NA			NA		01/27/2009
From: 52-1109 Oakwood Ave To: 52-1114 Forest Ave																
1133 52 Bailey St	0.25	**140**	**R**								NA			NA		02/09/2009
From: 52-1101 Cecil St To: Dead End																
1134 52	0.09	**80**	**R**								NA			NA		01/29/2009
From: 52-1138 To: 52-1135																
1135 52	0.11	**40**	**R**								NA			NA		01/29/2009
From: 52-1136 To: 52-1134																
1136 52	0.05	**50**	**R**								NA			NA		01/29/2009
From: 52-1104 Anderson St To: 52-1135																
1137 52 Industrial Dr	0.48	**700**	**R**								NA			NA		01/27/2009
From: US 58 To: Dead End																
1138 52	0.08	**30**	**R**								NA			NA		01/29/2009
From: 52-1134 To: Dead End																

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Town of Pennington Gap																
1139 52 Burke St	0.16	**70**	From: Dead End **R** To: 52-1103 Leigh St								NA			NA		02/09/2009
1140 52 Media St	0.05	**60**	From: Dead End **R** To: 52-1123 St								NA			NA		02/11/2009
1141 52	0.16	**460**	From: US 58 **R** To: 52-1130								NA			NA		01/29/2009
1141 52	0.17	**300**	From: 52-1130 **R** To: Dead End								NA			NA		01/29/2009
1142 52	0.01	**120**	From: 52-706 Kentucky Rd **R** To: Dead End								NA			NA		10/08/2009
1143 52 Edwards St	0.05	**130**	From: Alt US 58 **R** To: 52-1103 Leigh St								NA			NA		02/09/2009
1144 52 Constitution Dr	0.14	**30**	From: 52-640 Skaggs Hill Rd **R** To: Dead End								NA			NA		02/11/2009
1145 52 Terrace Dr	0.04	**200**	From: 52-721 **R** To: Dead End								NA			NA		02/11/2009
1148 52	0.38	**40**	From: 52-706 Fairground St **R** To: 52-621								NA			NA		01/27/2009
1149 52 Bank St	0.05	**160**	From: 52-1111 Joslyn Ave **R** To: Alt US 58 WEST								NA			NA		02/11/2009
9659 52	0.16	**1400**	From: Alt US 58 **R** To: Pennington Gap School								NA			NA		01/27/2009