

2014
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
179
Town of Brookneal

Information in this report is included in Report
15
(Campbell 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

- 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
-  Frontage Road (F precedes frontage route number)
-  Secondary Route

Special Routes

- Bus
 Bus - Business Route
Bypass - 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
 Traffic Engineering Division
 2014
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Brookneal

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: SCL Brookneal															
40 501 Lusardi Dr	Town of Brookneal (Maint: 15)	0.76	5100	N	91%	0%	1%	1%	7%	0%	N	0.082	N	0.583	5300	N
	To: US 501															
	From: US 501 Lynchburg Ave; Lusardi Dr															
40 Wickliffe Ave	Town of Brookneal (Maint: 15)	0.87	2300	G	82%	1%	2%	1%	14%	0%	F	0.088	F	0.576	2400	G
	To: ECL Brookneal															
	From: SCL Brookneal															
501 40 Lusardi Dr	Town of Brookneal (Maint: 15)	0.76	5100	N	91%	0%	1%	1%	7%	0%	N	0.082	N	0.583	5300	N
	To: SR 40 Wickliffe Ave															
	From: SR 40 Wickliffe Ave															
501 Lynchburg Ave	Town of Brookneal (Maint: 15)	1.52	6800	G	91%	1%	1%	1%	6%	0%	C	0.083	F	0.602	6900	G
	To: NCL Brookneal															

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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							
Town of Brookneal																
(601) 15 Juniper Cliff Rd	0.84	260	G	98%	2%	0%	0%	0%	0%	C	0.126	F	0.559	270	G	2014
(849) 15 Hunter Rd	0.10	380	R								NA		NA			07/12/2007
(849) 15 Hunter Rd	0.45	240	R								NA		NA			07/12/2007
(874) 15 Laughlin Rd	0.10	50	R								NA		NA			06/28/2007
(876) 15 Claytor Rd	0.03	120	R								NA		NA			06/28/2007
(928) 15 Booker Rd	0.05	630	R								NA		NA			06/02/2010
(1101) 15 Charlotte St	0.29	800	R								NA		NA			07/12/2007
(1101) 15 Charlotte St	0.05	260	R								NA		NA			07/12/2007
(1101) 15 Charlotte St	0.09	50	R								NA		NA			06/02/2010
(1102) 15 Depot St	0.04	570	R								NA		NA			06/02/2010
(1102) 15 Cook Ave	0.10	1100	G	98%	1%	0%	0%	0%	0%	C	0.107	F	0.504	1100	G	2014
(1102) 15 Cook Ave	0.48	430	G	98%	1%	0%	0%	0%	0%	F	0.125	F	0.594	440	G	2014
(1102) 15 Cook Ave	0.10	290	R								NA		NA			06/02/2010
(1102) 15 Cook Ave	0.14	270	R								NA		NA			06/02/2010
(1103) 15 W Rush St	0.05	220	R								NA		NA			06/28/2007
(1103) 15 W Rush St	0.06	520	R								NA		NA			06/28/2007
(1103) 15 E Rush St	0.06	1200	R								NA		NA			06/28/2007
(1103) 15 E Rush St	0.08	930	R								NA		NA			06/28/2007
(1104) 15 Virginia Ave	0.09	45	R								NA		NA			06/28/2007
(1104) 15 Virginia Ave	0.23	90	R								NA		NA			06/28/2007
(1104) 15 Virginia Ave	0.07	40	R								NA		NA			06/28/2007
(1105) 15 Marshall St	0.09	60	R								NA		NA			07/10/2007

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
1105 15 Marshall St	0.09	70	R								NA		NA			06/02/2010
1105 15 Marshall St	0.06	30	R								NA		NA			07/10/2007
1106 15 Mattox St	0.14	30	R								NA		NA			06/28/2007
1106 15 Mattox St	0.16	240	R								NA		NA			06/28/2007
1107 15 Church St	0.03	10	R								NA		NA			06/08/2010
1107 15 Church St	0.14	80	R								NA		NA			07/10/2007
1107 15 Church St	0.17	210	R								NA		NA			07/10/2007
1108 15 Terry Rd	0.12	170	R								NA		NA			07/12/2007
1108 15 Terry Rd	0.04	10	R								NA		NA			07/12/2007
1109 15 Earl St	0.13	110	R								NA		NA			07/12/2007
1110 15 Carson St	0.26	60	R								NA		NA			07/10/2007
1110 15 Jarvis St	0.06	130	R								NA		NA			07/10/2007
1111 15 Main St	0.23	1400	G	98%	0%	1%	0%	0%	0%	F	0.104	F	0.547	1500	G	2014
1111 15 Main St	0.27	1700	G	98%	0%	1%	0%	0%	0%	C	0.102	F	0.536	1700	G	2014
1112 15 Alabama Ave	0.06	580	R								NA		NA			06/28/2007
1112 15 Alabama Ave	0.06	200	R								NA		NA			06/28/2007
1113 15 Clark St	0.24	90	R								NA		NA			07/10/2007
1114 15 W Williams St	0.06	40	R								NA		NA			07/10/2007
1114 15 W Williams St	0.07	30	R								NA		NA			07/10/2007
1114 15 E Williams St	0.11	80	R								NA		NA			07/10/2007
1115 15 Old Main St	0.28	110	R								NA		NA			06/08/2010

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
1115 15 Old Main St	0.17	200	R			From: 15-1117 Adams Ferry Rd To: 15-1111; 15-1138					NA			NA		06/08/2010
1116 15 Caroline Ave	0.12	270	R			From: US 501 Lynchburg Ave To: 15-1132, C F Gray St					NA			NA		07/12/2007
1116 15 Caroline Ave	0.05	230	R			From: 15-1132, C F Gray St To: 0.05 ME 15-1132 C F Gray St					NA			NA		07/12/2007
1116 15 Caroline Ave	0.08	200	R			From: 0.05 ME 15-1132 C F Gray St To: 15-1145 Parkway Dr					NA			NA		07/12/2007
1116 15 Caroline Ave	0.03	290	R			From: 15-1145 Parkway Dr To: Cul-de-Sac					NA			NA		07/12/2007
1117 15 Adams Ferry Rd	0.09	40	R			From: 15-1115 Old Main St To: Dead End					NA			NA		06/08/2010
1118 15 Smith St	0.09	440	R			From: US 501 Lusardi Dr To: Dead End					NA			NA		06/28/2007
1119 15 Webb St	0.09	60	R			From: SR 40 Wickliffe Ave To: 15-1114, W Williams St					NA			NA		07/10/2007
1119 15 Webb St	0.06	40	R			From: 15-1114, W Williams St To: 15-1132, W Forest St					NA			NA		07/10/2007
1120 15 Campbell St	0.03	20	R			From: Dead End To: 15-1104 Virginia Ave					NA			NA		06/28/2007
1121 15 Water St	0.08	150	R			From: SR 40 Wickliffe Ave To: 15-1114, W Williams St					NA			NA		07/12/2007
1122 15 Laprade St	0.07	48	R			From: 15-601 Juniper Cliff Rd To: 15-1123 Sycamore St					NA			NA		07/12/2007
1122 15 Laprade St	0.05	30	R			From: 15-1123 Sycamore St To: Dead End					NA			NA		07/12/2007
1123 15 Sycamore St	0.15	30	R			From: 15-601 Juniper Cliff Rd To: 15-1122 Laprade St					NA			NA		07/12/2007
1124 15 West End St	0.06	180	R			From: Dead End To: 15-1106 Mattox St					NA			NA		06/28/2007
1125 15 Brook St	0.17	120	R			From: 15-1107 Church St To: 15-1137 Third St					NA			NA		06/28/2007
1125 15 Brook St	0.19	210	R			From: 15-1137 Third St To: 15-1102 Cook Ave					NA			NA		06/28/2007
1126 15 Foster St	0.10	80	R			From: 15-849 Hunter Rd To: 15-1127 Hale St					NA			NA		07/12/2007
1127 15 Hale St	0.15	60	R			From: 15-1126 Foster St To: Dead End					NA			NA		07/12/2007
1128 15 Virginia Ave	0.05	30	R			From: 15-1104 Bank St To: US 501 Lusardi Dr					NA			NA		06/28/2007



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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
1129 15 Pick St	0.10	40	R								NA			NA		07/10/2007
1130 15 Southeast St	0.02	170	R								NA			NA		06/02/2010
1130 15 Southeast St	0.05	170	R								NA			NA		06/02/2010
1130 15 Southeast St	0.06	300	R								NA			NA		06/02/2010
1130 15 Southeast St	0.06	140	R								NA			NA		06/02/2010
1130 15 Southeast St	0.04	40	R								NA			NA		06/02/2010
1131 15 Falling Hill Rd	0.25	190	R								NA			NA		07/12/2007
1131 15 Falling Hill Rd	0.06	220	R								NA			NA		07/12/2007
1132 15 C F Gray St	0.05	30	R								NA			NA		07/10/2007
1132 15 C F Gray St	0.11	40	R								NA			NA		07/10/2007
1132 15 W Forest St	0.06	90	R								NA			NA		07/10/2007
1132 15 W Forest St	0.11	160	R								NA			NA		07/10/2007
1132 15 W Forest St	0.06	170	R								NA			NA		07/10/2007
1132 15 W Forest St	0.08	170	R								NA			NA		07/10/2007
1132 15 W Forest St	0.07	100	R								NA			NA		07/10/2007
1132 15 E Forest St	0.07	100	R								NA			NA		07/10/2007
1132 15 E Forest St	0.01	10	R								NA			NA		07/10/2007
1132 15 E Forest St	0.02	10	R								NA			NA		07/10/2007
1133 15 Reke Owen St	0.27	70	R								NA			NA		07/10/2007
1134 15 Barksdale St	0.09	60	R								NA			NA		07/10/2007
1135 15 Carolina Ave	0.09	390	R								NA			NA		06/28/2007
1136 15 Daniel St	0.03	10	R								NA			NA		07/12/2007

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
1137 15 Third St	0.09	100	R			From 15-1125 Brooke St					NA			NA		06/28/2007
1137 15 Third St	0.04	60	R			From 15-1107 Church St					NA			NA		07/10/2007
						To 15-1142 Central St										
1138 15 Todd St	0.12	1500	R			From Dead End					NA			NA		06/28/2007
						To 15-1111; 15-1115										
1139 15 Harrison St	0.15	350	R			From US 501 Lynchburg Ave					NA			NA		06/02/2010
						To 15-1132, W Forest St										
1139 15 Harrison St	0.05	320	R			From 15-1140 Lynn St					NA			NA		06/02/2010
						To 15-1130 Southeast St										
1139 15 Willow Lane	0.07	270	R			From 15-1101 Charlotte St					NA			NA		06/02/2010
						To 15-1139 Willow Lane; Harrison St										
1140 15 Lynn St	0.11	20	R			From 15-1143 Lacy St					NA			NA		07/12/2007
						To 15-1112 Alabama Ave										
1140 15 Lynn St	0.06	20	R			From 15-1103 Rush St					NA			NA		07/12/2007
						To Dead End										
1141 15 Foundry St	0.07	160	R			From Dead End					NA			NA		06/28/2007
						To 15-1103 Rush St										
1141 15 Foundry St	0.05	460	R			From Dead End					NA			NA		06/28/2007
						To Dead End										
1142 15 Central St	0.07	80	R			From Dead End					NA			NA		07/10/2007
						To 15-1137 Third St										
1142 15 Central St	0.15	170	R			From 15-1102 Cook Ave					NA			NA		07/10/2007
						To 15-1114, W Williams St										
1143 15 Lacy St	0.05	20	R			From 15-1132, W Forest St					NA			NA		07/12/2007
						To 15-1140 Lynn St										
1143 15 Lacy St	0.05	30	R			From 15-1129 Pick St					NA			NA		07/12/2007
						To 15-1114, E Williams St										
1144 15 Riverside Dr	0.06	20	R			From 15-1114, E Williams St					NA			NA		07/10/2007
						To 15-1132, E Forest St										
1144 15 Riverside Dr	0.07	10	R			From US 501 Lynchburg Ave					NA			NA		07/10/2007
						To 15-1146, B St										
1145 15 Parkway Dr	0.20	140	R			From 15-1116 Caroline Ave					NA			NA		07/12/2007
						To Dead End										
1145 15 Parkway Dr	0.11	20	R			From Dead End					NA			NA		07/12/2007
						To 15-1145 Parkway Dr										
1146 15 B St	0.12	20	R			From 15-1103, E Rush St					NA			NA		07/12/2007
						To 15-1102 Cook Ave										
1147 15 Commerce St	0.02	240	R			From 15-1130 Southeast St					NA			NA		06/28/2007
						To Dead End										
1148 15 Daniel St	0.05	170	R			From Dead End					NA			NA		06/02/2010
						To Dead End										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
 Radio Rd	0.35	240	R	From US 501 Lusardi Dr				NA					NA			06/28/2007
				To Dead End												
 Brookneal Elem Sch	0.09	180	R	From 15-1101 Charlotte St				NA					NA			05/01/2007
				To Dead End; Brookneal Elem Sch												