

2007

**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



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

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
 2007
 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	4800	N	88%	0%	1%	1%	9%	0%	N	0.088	N	0.527	5300	N
	To: US 501															
	From: ECL Brookneal															
40 Wickliffe Ave	Town of Brookneal (Maint: 15)	0.87	2400	F	76%	1%	2%	2%	20%	0%	F	0.092	F	0.542	2600	F
	To: SCL Brookneal															
	From: SCL Brookneal															
501 40 Lusardi Dr	Town of Brookneal (Maint: 15)	0.76	4800	N	88%	0%	1%	1%	9%	0%	N	0.088	N	0.527	5300	N
	To: SR 40 Wickliffe Ave															
	From: NCL Brookneal															
501 Lynchburg Ave	Town of Brookneal (Maint: 15)	1.52	6500	F	90%	1%	1%	1%	8%	0%	C	0.089	F	0.544	7100	F

Virginia Department of Transportation
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						2Axle	3+Axle	1Trail	2Trail								
Town of Brookneal																	
(601) 15	Juniper Cliff Rd	0.84	280	F	97%	2%	0%	0%	0%	0%	C	0.122	F	0.553	310	F	2007
(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	650	R								NA		NA			08/24/2004
(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	47	R								NA		NA			08/24/2004
(1102) 15	Cook Ave	0.04	490	R								NA		NA			08/31/2004
(1102) 15	Cook Ave	0.10	1000	F	98%	1%	1%	0%	0%	0%	C	0.109	F	0.513	1100	F	2007
(1102) 15	Cook Ave	0.48	350	F	98%	1%	1%	0%	0%	0%	F	0.124	F	0.516	380	F	2007
(1102) 15	Cook Ave	0.10	280	R								NA		NA			08/31/2004
(1102) 15	Cook Ave	0.14	280	R								NA		NA			08/31/2004
(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	60	R								NA			NA		08/31/2004
From: 15-1132, W Forest St																
To: Dead End; Gap																
(1105/15) Marshall St	0.06	30	R								NA			NA		07/10/2007
From: 15-1130 Southeast St																
To: Dead End																
(1106/15) Mattox St	0.14	30	R								NA			NA		06/28/2007
From: Dead End																
To: 15-1124 West End St																
(1106/15) Mattox St	0.16	240	R								NA			NA		06/28/2007
From: 15-1124 West End St																
To: US 501 Lynchburg Ave																
(1107/15) Church St	0.03	10	R								NA			NA		08/31/2004
From: Dead End																
To: 15-1125 Brooke St																
(1107/15) Church St	0.14	80	R								NA			NA		07/10/2007
From: 15-1125 Brooke St																
To: 15-1137 Third St																
(1107/15) Church St	0.17	210	R								NA			NA		07/10/2007
From: 15-1137 Third St																
To: 15-1102 Cook Ave																
(1108/15) Terry Rd	0.12	170	R								NA			NA		07/12/2007
From: US 501 Lynchburg Ave																
To: 15-1132 C F Gray St																
(1108/15) Terry Rd	0.04	10	R								NA			NA		07/12/2007
From: 15-1132 C F Gray St																
To: Dead End																
(1109/15) Earl St	0.13	110	R								NA			NA		07/12/2007
From: US 501 Lynchburg Ave																
To: 15-1132, W Forest St																
(1110/15) Carson St	0.26	60	R								NA			NA		07/10/2007
From: Dead End																
To: 15-1134 Barksdale St																
(1110/15) Jarvis St	0.06	130	R								NA			NA		07/10/2007
From: 15-1134 Barksdale St																
To: 15-1102 Cook Ave																
(1111/15) Main St	0.23	1600	F	98%	0%	1%	0%	0%	0%	F	0.1	F	0.530	1800	F	2007
From: US 501 Lusardi Dr																
To: 15-1115; 15-1138																
(1111/15) Main St	0.27	1900	F	98%	0%	1%	0%	0%	0%	C	0.103	F	0.522	2100	F	2007
From: 15-1115; 15-1138																
To: SR 40 Wickliffe Ave																
(1112/15) Alabama Ave	0.06	580	R								NA			NA		06/28/2007
From: US 501 Lusardi Dr																
To: 15-1141 Foundry St																
(1112/15) Alabama Ave	0.06	200	R								NA			NA		06/28/2007
From: 15-1141 Foundry St																
To: Dead End																
(1113/15) Clark St	0.24	90	R								NA			NA		07/10/2007
From: SR 40 Wickliffe Ave																
To: Dead End																
(1114/15) W Williams St	0.06	40	R								NA			NA		07/10/2007
From: 15-1143 Lacy St																
To: 15-1121 Water St																
(1114/15) W Williams St	0.07	30	R								NA			NA		07/10/2007
From: 15-1121 Water St																
To: 15-1119 Webb St																
(1114/15) E Williams St	0.11	80	R								NA			NA		07/10/2007
From: SR 40 Wickliffe Ave																
To: 15-1144 Riverside Dr																
(1115/15) Old Main St	0.28	190	R								NA			NA		08/31/2004
From: US 501 Lusardi Dr																
To: 15-1117 Adams Ferry Rd																

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Town of Brookneal

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
(1115/15) Old Main St	0.17	310	R				From: 15-1117 Adams Ferry Rd				NA			NA		08/31/2004
							To: 15-1111; 15-1138									
(1116/15) Caroline Ave	0.12	270	R				From: US 501 Lynchburg Ave				NA			NA		07/12/2007
							To: 15-1132 C F Gray St									
(1116/15) Caroline Ave	0.05	230	R				From: 0.05 ME 15-1132				NA			NA		07/12/2007
							To: 15-1145 Parkway Dr									
(1116/15) Caroline Ave	0.08	200	R				From: 15-1145 Parkway Dr				NA			NA		07/12/2007
							To: Cul-de-Sac									
(1117/15) Adams Ferry Rd	0.09	40	R				From: 15-1115 Old Main St				NA			NA		08/31/2004
							To: Dead End									
(1118/15) Smith St	0.09	440	R				From: US 501 Lusardi Dr				NA			NA		06/28/2007
							To: Dead End									
(1119/15) Webb St	0.09	60	R				From: SR 40 Wickliffe Ave				NA			NA		07/10/2007
							To: 15-1114, W Williams St									
(1119/15) Webb St	0.06	40	R				From: 15-1114, W Williams St				NA			NA		07/10/2007
							To: 15-1132, W Forest St									
(1120/15) Campbell St	0.03	20	R				From: Dead End				NA			NA		06/28/2007
							To: 15-1104 Virginia Ave									
(1121/15) Water St	0.08	150	R				From: SR 40 Wickliffe Ave				NA			NA		07/12/2007
							To: 15-1114, W Williams St									
(1122/15) Laprade St	0.07	48	R				From: 15-601 Juniper Cliff Rd				NA			NA		07/12/2007
							To: 15-1123 Sycamore St									
(1122/15) Laprade St	0.05	30	R				From: 15-1123 Sycamore St				NA			NA		07/12/2007
							To: Dead End									
(1123/15) Sycamore St	0.15	30	R				From: 15-601 Juniper Cliff Rd				NA			NA		07/12/2007
							To: 15-1122 Laprade St									
(1124/15) West End St	0.06	180	R				From: Dead End				NA			NA		06/28/2007
							To: 15-1106 Mattox St									
(1125/15) Brook St	0.17	120	R				From: 15-1107 Church St				NA			NA		06/28/2007
							To: 15-1137 Third St									
(1125/15) Brook St	0.19	210	R				From: 15-1137 Third St				NA			NA		06/28/2007
							To: 15-1102 Cook Ave									
(1126/15) Foster St	0.10	80	R				From: 15-849 Hunter Rd				NA			NA		07/12/2007
							To: 15-1127 Hale St									
(1127/15) Hale St	0.15	60	R				From: 15-1126 Foster St				NA			NA		07/12/2007
							To: Dead End									
(1128/15) Virginia Ave	0.05	30	R				From: 15-1104 Bank St				NA			NA		06/28/2007
							To: US 501 Lusardi Dr									

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
(1129/15) Pick St	0.10	40	R				From: SR 40 Wickliffe Ave							NA		07/10/2007
							To: 15-1144 Riverside Dr									
(1130/15) Southeast St	0.02	220	R				From: 15-1148							NA		08/31/2004
							To: 15-1139 Willow Lane									
(1130/15) Southeast St	0.05	180	R				From: 15-1131 Ridge St							NA		08/31/2004
							To: 15-1101 Charlotte St									
(1130/15) Southeast St	0.06	270	R				From: 15-1105 Marshall St							NA		08/31/2004
							To: 15-1105 Marshall St									
(1130/15) Southeast St	0.04	30	R				From: Dead End							NA		08/31/2004
							To: 15-1130 Southeast St									
(1131/15) Falling Hill Rd	0.25	190	R				From: 15-1136 Daniel St							NA		07/12/2007
							To: SR 40 Wickliffe Ave									
(1132/15) C F Gray St	0.05	30	R				From: 15-1116 Caroline Ave							NA		07/10/2007
							To: 15-1108 Terry St									
(1132/15) C F Gray St	0.11	40	R				From: 15-1109 Earl St							NA		07/10/2007
							To: 15-1105 Marshall St									
(1132/15) W Forest St	0.06	90	R				From: 15-1101 Charlotte St							NA		07/10/2007
							To: 15-1139 Harrison St									
(1132/15) W Forest St	0.11	160	R				From: 15-1143 Lacy St							NA		07/10/2007
							To: 15-1119 Webb St									
(1132/15) W Forest St	0.06	170	R				From: SR 40 Wickliffe Ave							NA		07/10/2007
							To: 0.07 ME SR 40									
(1132/15) E Forest St	0.01	10	R				From: 0.08 ME SR 40							NA		07/10/2007
							To: 15-1144 Riverside Dr									
(1133/15) Reke Owen St	0.27	70	R				From: 15-1102 Cook Ave							NA		07/10/2007
							To: Dead End									
(1134/15) Barksdale St	0.09	60	R				From: Dead End							NA		07/10/2007
							To: 15-1110 Jarvis St; Carson St									
(1135/15) Carolina Ave	0.09	390	R				From: Dead End							NA		06/28/2007
							To: 15-1103 Rush St									
(1136/15) Daniel St	0.03	10	R				From: Dead End							NA		07/12/2007
							To: 15-1131 Ridge St									

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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			To: 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	370	R			From: US 501 Lynchburg Ave					NA			NA		08/31/2004
						To: 15-1132, W Forest St										
(1139/15) Harrison St	0.05	330	R			From: 15-1140 Lynn St					NA			NA		08/31/2004
(1139/15) Willow Lane	0.07	280	R			To: 15-1130 Southeast St					NA			NA		08/31/2004
						To: 15-1101 Charlotte St										
(1140/15) Lynn St	0.11	20	R			From: 15-1139 Willow Lane; Harrison St					NA			NA		07/12/2007
						To: 15-1139 Willow Lane Harrison St										
(1140/15) Lynn St	0.06	20	R			From: 15-1143 Lacy St					NA			NA		07/12/2007
						To: 15-1112 Alabama Ave										
(1141/15) Foundry St	0.07	160	R			From: 15-1103 Rush St					NA			NA		06/28/2007
						To: Dead End										
(1141/15) Foundry St	0.05	460	R			From: Dead End					NA			NA		06/28/2007
						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										
(1144/15) Riverside Dr	0.06	20	R			From: 15-1129 Pick St					NA			NA		07/10/2007
						To: 15-1114, E Williams St										
(1144/15) Riverside Dr	0.07	10	R			From: 15-1132, E Forest St					NA			NA		07/10/2007
						To: US 501 Lynchburg Ave										
(1145/15) Parkway Dr	0.20	140	R			From: 15-1146 B St					NA			NA		07/12/2007
						To: 15-1116 Caroline Ave										
(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)	0.05	230	R			From: Dead End					NA			NA		08/31/2004
						To: Dead End										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
(1149) 15 Radio Rd	0.35	240	R			From: US 501 Lusardi Dr					NA			NA		06/28/2007
						To: Dead End										
(9071) 15 Brookneal Elem Sch	0.09	180	R			From: 15-1101 Charlotte St					NA			NA		05/01/2007
						To: Dead End; Brookneal Elem Sch										