

2004

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

where available

Special Locality Report

179

Town of Brookneal

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.

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



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 - Business Route

Bypas - Bypass Route

Truck - Truck Route



ALT - Alternate Route

Wve - 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 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
 2004
 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							
40 501 Lusardi Dr	Town of Brookneal (Maint: 15)	From: SCL Brookneal	0.76	5100	N	90%	0%	2%	1%	7%	0%	N	0.088	N	0.6	5200	N
		To: US 501															
40 Wickliffe Ave	Town of Brookneal (Maint: 15)	From: ECL Brookneal	0.87	2700	F	83%	0%	1%	1%	15%	0%	F	0.088	F	0.637	2800	F
		To: SCL Brookneal															
501 40 Lusardi Dr	Town of Brookneal (Maint: 15)	From: SR 40	0.76	5100	N	90%	0%	2%	1%	7%	0%	N	0.088	N	0.6	5200	N
		To: NCL Brookneal															
501 Lynchburg Ave	Town of Brookneal (Maint: 15)	From: NCL Brookneal	1.52	7000	F	92%	1%	1%	1%	6%	0%	C	0.086	F	0.511	7200	F
		To: SCL 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	330	F	97%	2%	1%	0%	0%	0%	C	0.106	F	0.513	340	F	2004
				From:	US 501											
				To:	NCL Brookneal											
(849/15) Hunter Rd	0.10	360	R								NA		NA		07/31/2001	
				From:	15-601 Juniper Cliff Rd											
(849/15) Hunter Rd	0.45	250	R								NA		NA		07/31/2001	
				From:	15-1126											
				To:	Dead End											
(874/15)	0.10	50	R								NA		NA		08/24/2004	
				From:	US 501											
				To:	Dead End											
(876/15) Claytor Rd	0.03	70	R								NA		NA		07/31/2001	
				From:	Dead End											
				To:	US 501											
(928/15) Booker Rd	0.05	650	R								NA		NA		08/24/2004	
				From:	Dead End											
				To:	US 501											
(1101/15) Charlotte St	0.29	780	R								NA		NA		08/08/2001	
				From:	US 501											
				To:	15-1130											
(1101/15) Charlotte St	0.05	260	R								NA		NA		08/08/2001	
				From:	0.05 ME 15-1130											
(1101/15) Charlotte St	0.09	47	R								NA		NA		08/24/2004	
				From:	Dead End											
				To:	15-1147											
(1102/15)	0.04	490	R								NA		NA		08/31/2004	
				From:	15-1111											
(1102/15)	0.10	1100	F	98%	1%	0%	0%	0%	0%	C	0.096	F	0.542	1200	F	2004
				From:	15-1125											
(1102/15)	0.48	430	F	98%	1%	0%	0%	0%	0%	F	0.117	F	0.655	440	F	2004
				From:	15-1133											
(1102/15)	0.10	280	R								NA		NA		08/31/2004	
				From:	0.10 ME 15-1133											
(1102/15)	0.14	280	R								NA		NA		08/31/2004	
				From:	Dead End											
				To:	15-1104											
(1103/15) W Rush St	0.05	260	R								NA		NA		08/14/2001	
				From:	15-1135											
(1103/15) W Rush St	0.06	600	R								NA		NA		08/08/2001	
				From:	US 501											
(1103/15) E Rush St	0.06	1300	R								NA		NA		08/14/2001	
				From:	15-1141											
(1103/15) E Rush St	0.08	800	R								NA		NA		08/14/2001	
				From:	15-1111											
				To:	Dead End											
(1104/15) Bank St	0.09	110	R								NA		NA		08/14/2001	
				From:	15-1120											
(1104/15) Bank St	0.23	90	R								NA		NA		08/14/2001	
				From:	15-1103											
(1104/15) Bank St	0.07	60	R								NA		NA		08/14/2001	
				From:	15-1128											
				To:	US 501											
(1105/15) Marshall St	0.09	50	R								NA		NA		07/31/2001	
				From:	15-1132											

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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																
(1105/15) Marshall St	0.09	60	R			From: 15-1132					NA			NA		08/31/2004
(1105/15) Marshall St	0.06	48	R			From: 15-1130					NA			NA		08/31/2004
						To: Dead End										
(1106/15) Mattox St	0.14	50	R			From: Dead End					NA			NA		08/08/2001
(1106/15) Mattox St	0.16	220	R			From: 15-1124					NA			NA		08/08/2001
						To: US 501										
(1107/15)	0.03	10	R			From: Dead End					NA			NA		08/31/2004
(1107/15) Church St	0.14	70	R			From: 15-1125					NA			NA		07/31/2001
						To: 15-1137										
(1107/15) Church St	0.17	250	R			From: 15-1102					NA			NA		07/31/2001
						To: US 501										
(1108/15) Terry Rd	0.12	170	R			From: US 501					NA			NA		07/31/2001
(1108/15) Terry Rd	0.04	10	R			From: 15-1132					NA			NA		08/24/2004
						To: Dead End										
(1109/15) Earl St	0.13	110	R			From: US 501					NA			NA		07/31/2001
						To: 15-1132										
(1110/15) Carson St	0.26	80	R			From: Dead End					NA			NA		07/31/2001
(1110/15) Jarvis St	0.06	130	R			From: 15-1134					NA			NA		07/31/2001
						To: 15-1102										
(1111/15) Main St	0.23	1800	F	98%	0%	1%	0%	0%	0%	F	0.112	F	0.515	1900	F	2004
(1111/15) Main St	0.27	2300	F	98%	0%	1%	0%	0%	0%	C	0.100	F	0.502	2300	F	2004
						From: SR 40										
(1112/15) Foundry St	0.06	580	R			From: US 501					NA			NA		07/31/2001
(1112/15) Foundry St	0.06	140	R			From: 15-1141					NA			NA		07/31/2001
						To: Dead End										
(1113/15) Clark St	0.24	120	R			From: SR 40					NA			NA		08/08/2001
						To: Dead End										
(1114/15) W Williams St	0.06	40	R			From: 15-1143					NA			NA		08/08/2001
(1114/15) W Williams St	0.07	30	R			From: 15-1121					NA			NA		08/08/2001
						To: SR 40										
(1114/15) E Williams St	0.11	100	R			From: SR 40					NA			NA		08/08/2001
						To: 15-1144										
(1115/15) Old Main St	0.28	190	R			From: US 501					NA			NA		08/31/2004
						To: 15-1117										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
1115 15 Old Main St	0.17	310	R			From: 15-1117					NA		NA			08/31/2004
						To: 15-1111; 15-1138										
1116 15 Caroline Ave	0.12	240	R			From: US 501					NA		NA			07/31/2001
						To: 15-1132										
1116 15 Caroline Ave	0.05	230	R			From: 0.05 ME 15-1132					NA		NA			07/31/2001
						To: 15-1145										
1116 15 Caroline Ave	0.03	300	R			From: Cul-de-Sac					NA		NA			07/31/2001
						To: 15-1115										
1117 15 Adams Ferry Rd	0.09	40	R			From: Dead End					NA		NA			08/31/2004
						To: US 501										
1118 15 Smith St	0.09	460	R			From: Dead End					NA		NA			08/14/2001
						To: SR 40										
1119 15 Webb St	0.09	60	R			From: 15-1114					NA		NA			08/06/2001
						To: 15-1132										
1119 15 Webb St	0.06	40	R			From: Dead End					NA		NA			08/06/2001
						To: 15-1104										
1120 15	0.03	20	R			From: SR 40					NA		NA			08/14/2001
						To: 15-1114										
1121 15 Water St	0.08	150	R			From: 15-601 Juniper Cliff Rd					NA		NA			08/06/2001
						To: 15-1123										
1122 15 Laprade St	0.07	46	R			From: Dead End					NA		NA			07/31/2001
						To: 15-1122										
1122 15 Laprade St	0.05	30	R			From: 15-601 Juniper Cliff Rd					NA		NA			07/31/2001
						To: 15-1122										
1123 15 Sycamore St	0.15	40	R			From: Dead End					NA		NA			07/31/2001
						To: 15-1106										
1124 15 West End St	0.06	160	R			From: 15-1107					NA		NA			08/08/2001
						To: 15-1137										
1125 15 Brook St	0.17	100	R			From: 15-1102					NA		NA			07/31/2001
						To: 15-1102										
1125 15 Brook St	0.19	200	R			From: 15-849					NA		NA			07/31/2001
						To: 15-1127										
1126 15 Foster St	0.10	80	R			From: 15-1126					NA		NA			07/31/2001
						To: Dead End										
1127 15 Hale St	0.15	50	R			From: 15-1104					NA		NA			07/31/2001
						To: US 501										
1128 15	0.05	60	R								NA		NA			08/14/2001



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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
(1129/15) Pick St	0.10	20	R			From: SR 40						NA		NA		08/06/2001
						To: 15-1144										
(1130/15) Southeast St	0.02	220	R			From: 15-1148						NA		NA		08/31/2004
						To: 15-1139										
(1130/15) Southeast St	0.05	180	R			From: 15-1139						NA		NA		08/31/2004
						To: 15-1131										
(1130/15) Southeast St	0.06	270	R			From: 15-1131						NA		NA		08/31/2004
						To: 15-1101										
(1130/15) Southeast St	0.06	110	R			From: 15-1101						NA		NA		08/31/2004
						To: 15-1105										
(1130/15) Southeast St	0.04	30	R			From: 15-1105						NA		NA		08/31/2004
						To: Dead End										
(1131/15)	0.25	190	R			From: 15-1130						NA		NA		08/06/2001
						To: 15-1136										
(1131/15)	0.06	210	R			From: 15-1136						NA		NA		08/06/2001
						To: SR 40										
(1132/15) C F Gray St	0.05	40	R			From: 15-1116 Caroline Ave						NA		NA		07/31/2001
						To: 15-1108 Terry St										
(1132/15) C F Gray St	0.11	60	R			From: 15-1108 Terry St						NA		NA		07/31/2001
						To: 15-1109 Earl St										
(1132/15) W Forest St	0.06	70	R			From: 15-1109 Earl St						NA		NA		08/06/2001
						To: 15-1101 Charlotte St										
(1132/15) W Forest St	0.11	120	R			From: 15-1101 Charlotte St						NA		NA		08/06/2001
						To: 15-1139										
(1132/15) W Forest St	0.06	110	R			From: 15-1139						NA		NA		08/05/2001
						To: 15-1143 Lacy St										
(1132/15) W Forest St	0.08	110	R			From: 15-1143 Lacy St						NA		NA		08/06/2001
						To: 15-1119										
(1132/15) W Forest St	0.07	110	R			From: 15-1119						NA		NA		08/06/2001
						To: SR 40										
(1132/15) E Forest St	0.07	90	R			From: SR 40						NA		NA		08/06/2001
						To: 0.07 ME SR 40										
(1132/15) E Forest St	0.01	10	R			From: 0.07 ME SR 40						NA		NA		08/06/2001
						To: 0.08 ME SR 40										
(1132/15) E Forest St	0.02	10	R			From: 0.08 ME SR 40						NA		NA		08/06/2001
						To: 15-1144										
(1133/15) Reke Owen St	0.27	80	R			From: 15-1102						NA		NA		07/31/2001
						To: Dead End										
(1134/15) Barksdale St	0.09	45	R			From: Dead End						NA		NA		07/31/2001
						To: 15-1110										
(1135/15) Carolina Ave	0.09	180	R			From: 15-1110						NA		NA		08/14/2001
						To: Dead End										
(1136/15) Daniel St	0.03	20	R			From: Dead End						NA		NA		08/24/2004
						To: 15-1131										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Brookneal																
(1137/15) Third St	0.09	90	R			From: 15-1125					NA			NA		07/31/2001
(1137/15)	0.04	48	R			To: 15-1107					NA			NA		07/31/2001
(1138/15) Todd St	0.12	1700	R			From: Dead End					NA			NA		07/31/2001
(1139/15) Harrison St	0.15	370	R			To: 15-1111; 15-1115					NA			NA		08/31/2004
(1139/15) Harrison St	0.05	330	R			From: US 501					NA			NA		08/31/2004
(1139/15) Willow Ln	0.07	280	R			To: 15-1132					NA			NA		08/31/2004
(1140/15) Lynn St	0.11	20	R			From: 15-1140					NA			NA		08/31/2004
(1140/15) Lynn St	0.06	20	R			To: 15-1130					NA			NA		08/31/2001
(1141/15) Alabama Ave	0.07	130	R			From: 15-1101					NA			NA		07/31/2001
(1141/15) Alabama Ave	0.05	450	R			To: 15-1139					NA			NA		07/31/2001
(1142/15) Central St	0.07	40	R			From: 15-1143					NA			NA		07/31/2001
(1142/15) Central St	0.15	140	R			To: 15-1112					NA			NA		07/31/2001
(1143/15) Lacy St	0.05	10	R			From: 15-1103					NA			NA		08/24/2004
(1143/15) Lacy St	0.05	10	R			To: Dead End					NA			NA		08/24/2004
(1144/15) Riverside Dr	0.06	30	R			From: Dead End					NA			NA		08/06/2001
(1144/15) Riverside Dr	0.07	10	R			To: 15-1137					NA			NA		08/06/2001
(1145/15) Parkway Dr	0.20	130	R			From: 15-1102					NA			NA		08/24/2004
(1145/15) Parkway Dr	0.11	10	R			To: 15-1114					NA			NA		08/24/2004
(1146/15) B St	0.12	20	R			From: 15-1129					NA			NA		08/24/2004
(1147/15) Commerce St	0.02	220	R			To: 15-1114					NA			NA		08/14/2001
(1148/15)	0.05	230	R			From: US 501					NA			NA		08/31/2004
						To: 15-1146					NA			NA		08/31/2004
						To: 15-1116					NA			NA		08/31/2004
						From: Dead End					NA			NA		08/24/2004
						To: 15-1145					NA			NA		08/24/2004
						From: 15-1103					NA			NA		08/14/2001
						To: 15-1102					NA			NA		08/14/2001
						From: 15-1130					NA			NA		08/31/2004
						To: Dead End					NA			NA		08/31/2004

Virginia Department of Transportation
 Mobility Management Division
 2004
 Annual Average Daily Traffic Volume Estimates By Section of Route
 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																		
	0.35	220	R	From: US 501												NA	NA	08/14/2001
				To: Dead End														
	0.09	170	R	From: 15-1101												NA	NA	09/18/2001
				To: Dead End; Brookneal Elem Sch														