

2010
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
162
Town of Altavista

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
 2010
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Altavista

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
Bus 29 Main St	From: NCL Hurt Town of Altavista (Maint: 15)	0.29	6100	N	99%	0%	0%	0%	0%	0%	N	0.089	N	0.575	6200	N
Bus 29 Main St	To: SR 43; Bedford Ave From: Town of Altavista (Maint: 15)	0.34	7400	F	99%	0%	0%	0%	0%	0%	F	0.088	F	0.599	7600	F
Bus 29 Main St	To: Pittsylvania Ave From: Town of Altavista (Maint: 15)	0.30	12000	F	99%	0%	0%	0%	0%	0%	F	0.081	F	0.568	12000	F
Bus 29 Main St	To: Amherst Ave From: Town of Altavista (Maint: 15)	0.49	12000	F	97%	0%	0%	0%	1%	0%	F	0.085	F	0.537	12000	F
Bus 29 Main St	To: Wood Lane From: Town of Altavista (Maint: 15)	0.64	12000	F	97%	0%	0%	0%	1%	0%	C	0.086	F	0.513	12000	F
Bus 29 Main St	To: Lynch Mill Rd From: Town of Altavista (Maint: 15)	1.36	7900	F	97%	0%	0%	0%	1%	0%	F	0.086	F	0.576	8100	F
43 Bedford Hwy	To: NCL Altavista From: Main Street Town of Altavista (Maint: 15)	0.49	5300	F	97%	1%	0%	0%	0%	0%	F	0.103	F	0.597	5500	F
43 Bedford Hwy	To: Myrtle Lane From: Town of Altavista (Maint: 15)	0.50	4800	F	97%	1%	0%	0%	0%	0%	F	0.105	F	0.709	4900	F
43 Bedford Hwy	To: Broad Street From: Town of Altavista (Maint: 15)	0.59	4300	F	97%	1%	0%	0%	0%	0%	C	0.112	F	0.625	4400	F
	To: WCL Altavista															

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						2Axle	3+Axle	1Trail	2Trail							
Town of Altavista																
(9489) 15 Ninth St; Altavista High	0.14	630	R								NA			NA		05/01/2007
From: Dead End																
To: SR 43 Bedford Ave																
(1) 7th St	0.43	3300	F	98%	0%	0%	0%	0%	0%	C	0.096	F	0.591	3400	F	2010
From: SR 43 Bedford Ave																
To: Franklin Ave																
(1) 7th St	0.44	2500	F	98%	0%	0%	0%	0%	0%	F	0.105	F	0.549	2600	F	2010
From: Franklin Ave																
To: Lola Ave																
(1) 7th St	0.50	1300	F	98%	0%	0%	0%	0%	0%	F	0.118	F	0.539	1400	F	2010
From: Lola Ave																
To: Bus US 29																
(2) 11th St	0.10	270	F	98%	1%	0%	1%	0%	0%	C	0.117	F	0.543	270	F	2010
From: SR 43 Bedford Ave																
To: Broad St																
(3) 12th St	0.08	80	F								0.17	F	0.567	80	F	2010
From: Dead End																
To: Franklin Ave																
(4) Avondale Dr	0.17	2000	F	99%	0%	0%	1%	0%	0%	F	0.089	F	0.704	2000	F	2010
From: Lola Ave Ext																
To: Frazier Rd																
(4) Avondale Dr	0.60	370	F	99%	0%	0%	1%	0%	0%	C	0.122	F	0.575	380	F	2010
From: Frazier Rd																
To: Ogden Rd																
(5) Broad St	0.13	160	F	96%	1%	1%	1%	0%	0%	C	0.101	F	0.588	170	F	2010
From: 10th St																
To: Lynch Rd																
(6) Franklin Ave	0.07	1200	F	99%	0%	0%	0%	0%	0%	F	0.100	F	0.516	1200	F	2010
From: Bus US 29 Main St																
To: 7th St																
(6) Franklin Ave	0.46	1300	F	99%	0%	0%	0%	0%	0%	C	0.104	F	0.517	1400	F	2010
From: 7th St																
To: 12th St																
(7) Frazier Rd	0.09	1600	F	97%	0%	0%	0%	2%	0%	F	0.098	F	0.728	1600	F	2010
From: Avondale Dr																
To: Lola Ave																
(7) Frazier Rd	0.62	2400	F	97%	0%	0%	0%	2%	0%	C	0.099	F	0.541	2400	F	2010
From: Lola Ave																
To: Lynch Mill Rd																
(8) Lola Ave	0.07	2300	F	99%	0%	0%	0%	0%	0%	F	0.084	F	0.59	2400	F	2010
From: Bus US 29 Main St																
To: 7th Street																
(8) Lola Ave	0.36	2500	F	99%	0%	0%	0%	0%	0%	F	0.09	F	0.57	2500	F	2010
From: 7th St																
To: 11th St																
(8) Lola Ave	0.13	2600	F	99%	0%	0%	0%	0%	0%	C	0.093	F	0.571	2700	F	2010
From: 11th St																
To: Avondale Dr																
(9) Lynch Rd	0.13	210	F	100%	0%	0%	0%	0%	0%	C	0.114	F	0.56	220	F	2010
From: Broad St																
To: 0.13 ME Broad St																
(10) Ogden Rd	0.38	840	F	92%	0%	1%	1%	6%	0%	C	0.087	F	0.575	860	F	2010
From: Avondale Dr																
To: Lynch Mill Rd																
(425) Pittsylvania Ave	0.42	7300	F	96%	0%	0%	1%	3%	0%	C	0.088	F	0.632	7500	F	2010
From: SCL Altavista																
To: Main St																
(1466) Lynch Mill Rd	0.40	4300	F	95%	1%	1%	1%	2%	0%	C	0.104	F	0.626	4400	F	2010
From: NCL Altavista																
To: Frazier Rd																
(1466) Lynch Mill Rd	0.49	3500	F	95%	1%	1%	1%	2%	0%	F	0.099	F	0.505	3600	F	2010
From: Frazier Rd																
To: Clairon Rd																

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						2Axle	3+Axle	1Trail	2Trail							
Town of Altavista																
						From: Clarion Rd										
(1466) Lynch Mill Rd	0.30	5800	F	95%	1%	1%	1%	2%	0%	F	0.093	F	0.537	5900	F	2010
						To: Main St										
						From: Lynch Mill Rd										
(1468) Clarion Rd	0.77	4000	F	98%	0%	0%	1%	1%	0%	C	0.090	F	0.509	4100	F	2010
						To: NCL Altavista										
						From: Sourwood Lane										
Lakewood Dr		210	F								0.112	F	0.635	220	F	2010
						To: Dogwood Lane										
						From: Laurel Lane										
Tabby Ln		180	F								0.128	F	0.654	200	F	2010
						To: Woodhaven Lane										
						From: Forest St										
West Rd		140	F								0.116	F	0.676	150	F	2010
						To: Lynch Rd										