2011
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
150

Town of Blacksburg

Information in this report is included in Report

60

(Montgomery 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.

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Town of Blacksburg

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
From: US 460																
314 Southgate Dr	Town of Blacksburg (Maint: 60)	0.15	**9300**	**G**	99%	0%	1%	0%	0%	0%	C	NA			10000	G
To: 0.15 Mile E US 460																
From: US 460																
412 Prices Fork Rd	Town of Blacksburg	1.07	**27000**	**G**	97%	2%	0%	0%	0%	0%	C	0.085	F	0.547	29000	G
To: Toms Creek Rd																
From: Toms Creek Rd																
412 Prices Fork Rd	Town of Blacksburg	0.28	**17000**	**G**	97%	2%	0%	0%	0%	0%	F	0.084	F	0.501	18000	G
To: Main St																
From: NCL Blacksburg																
460	Town of Blacksburg (Maint: 60)	0.40	**12000**	**G**	90%	1%	1%	1%	8%	0%	F	0.094	F	0.701	13000	G
To: Bus US 460																
From: Bus US 460, N Main St																
460	Town of Blacksburg (Maint: 60)	3.30	**15000**	**G**	93%	0%	1%	1%	5%	0%	C	0.093	F	0.694	16000	G
To: SR 412 Prices Fork Rd																
From:																
460	Town of Blacksburg (Maint: 60)	2.97	**34000**	**G**	95%	0%	1%	1%	3%	0%	C	0.095	F	0.564	36000	G
To: Southgate Dr																
From: BUS US 460																
460	Town of Blacksburg (Maint: 60)	0.72	**37000**	**G**	95%	0%	1%	1%	3%	0%	F	0.097	F	0.634	40000	G
To: SCL Blacksburg																
From: US 460; SCL Blacksburg																
Bus 460 Main St	Town of Blacksburg	0.29	**17000**	**N**	98%	0%	0%	0%	0%	0%	N	0.091	N	0.576	18000	N
To: SCL Blacksburg																
From: US 460																
Bus 460 Main St	Town of Blacksburg	1.01	**4700**	**G**	98%	1%	0%	0%	0%	0%	F	0.101	F	0.701	5000	G
To: Mount Tabor Rd																
From:																
Bus 460 Main St	Town of Blacksburg	0.87	**7200**	**G**	98%	1%	0%	0%	0%	0%	C	0.101	F	0.663	7700	G
To: Patrick Henry Dr																
From:																
Bus 460 Main St	Town of Blacksburg	0.44	**13000**	**G**	98%	1%	0%	0%	0%	0%	F	0.086	F	0.563	14000	G
To: Broce Dr																
From:																
Bus 460 Main St	Town of Blacksburg	0.26	**14000**	**G**	98%	1%	0%	0%	0%	0%	F	0.087	F	0.545	15000	G
To: Progress St																
From:																
Bus 460 Main St	Town of Blacksburg	0.17	**18000**	**G**	98%	1%	0%	0%	0%	0%	F	0.090	F	0.577	19000	G
To: Prices Fork Rd																
From:																
Bus 460 Main St	Town of Blacksburg	0.53	**18000**	**G**	98%	1%	0%	0%	0%	0%	F	0.080	F	0.574	20000	G
To: Roanoke St																
From:																
Bus 460 Main St	Town of Blacksburg	0.19	**18000**	**G**	98%	1%	1%	0%	0%	0%	F	0.075	F	0.515	19000	G
To: Clay St																

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Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
Bus 460 Main St	From: Clay St															
	Town of Blacksburg	0.53	**19000**	**G**	98%	1%	1%	0%	0%	0%	F	0.086	F	0.539	20000	G
	To: / From: Upland Rd															
Bus 460 Main St	Town of Blacksburg	1.00	**21000**	**G**	98%	1%	1%	0%	0%	0%	F	0.086	F	0.509	22000	G
	To: / From: Ellett Rd															
Bus 460 Main St	Town of Blacksburg	1.43	**21000**	**G**	98%	1%	1%	0%	0%	0%	C	0.091	F	0.542	23000	G
	To: US 460; SCL Blackburg															

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Town of Blacksburg																
		From:	End State Maintenance													
F618 Holiday Lane	0.03	**10**	**R**								NA			NA		01/23/2008
		To:	SCL Blacksburg													
F618 Holiday Lane	0.09	**90**	**R**								NA			NA		01/23/2008
		To:	Yellow Sulphur Rd													
		From:	Prices Fork Rd													
2 University City Blvd	1.11	**11000**	**G**	98%	2%	0%	0%	0%	0%	C	0.09	F	0.583	12000	G	2011
		To:	Toms Creek Rd													
		From:	150-3159 Chickahominy Dr													
3 Givens Lane	1.57	**1500**	**G**	99%	1%	0%	0%	0%	0%	C	0.093	F	0.543	1600	G	2011
		To:	Bus US 460 North Main St													
		From:	Bus US 460, N Main St													
4 Progress St	0.64	**NA**									NA			NA		
		To:	150-3165 Patrick Henry Dr													
4 Progress St	0.51	**870**	**G**	97%	1%	1%	0%	0%	0%	C	0.097	F	0.589	930	G	2011
		To:	Cherokee Dr													
		From:	Northside Dr													
4 Progress St	0.01	**130**	**G**	97%	1%	1%	0%	0%	0%	F	0.161	F	0.546	140	G	2011
		To:	Dead End													
		From:	Bus US 460													
5 Clay St	0.92	**2700**	**G**	99%	0%	0%	1%	0%	0%	C	0.099	F	0.671	2900	G	2011
		To:	ECL Blacksburg; 60-1235, Floyd St													
		From:	Southgate Dr													
3150 Airport Rd	0.23	**5400**	**G**	99%	1%	0%	0%	0%	0%	F	0.101	F	0.606	5800	G	2011
		To:	Country Club Dr													
		From:	Airport Rd													
3150 Country Club Dr	0.40	**3400**	**G**	99%	1%	0%	0%	0%	0%	C	0.103	F	0.562	3700	G	2011
		To:	Main St													
		From:	SCL Blacksburg													
3151 Ellett Rd	0.71	**5800**	**G**	98%	1%	0%	0%	0%	0%	C	0.085	F	0.614	6200	G	2011
		To:	S Main St													
		From:	WCL Blacksburg													
3152 Prices Fork Rd	0.75	**14000**	**G**	98%	1%	1%	0%	0%	0%	C	0.094	F	0.590	15000	G	2011
		To:	Hethwood Blvd													
3152 Prices Fork Rd	0.36	**18000**	**G**	98%	1%	1%	0%	0%	0%	F	0.086	F	0.593	19000	G	2011
		To:	Heather Dr													
3152 Prices Fork Rd	0.58	**24000**	**G**	98%	1%	1%	0%	0%	0%	F	0.096	F	0.552	26000	G	2011
		To:	US 460													
		From:	Southgate Dr													
3153 Airport Rd	0.37	**2200**	**G**	99%	0%	1%	0%	0%	0%	C	0.116	F	0.635	2400	G	2011
		To:	Main Street													
		From:	WCL Blacksburg													
3154 Glade Rd	1.55	**1100**	**G**	99%	1%	0%	0%	0%	0%	C	0.101	F	0.634	1200	G	2011
		To:	Boxwood Dr													
3154 Glade Rd	0.46	**1600**	**G**	99%	0%	0%	0%	0%	0%	C	0.100	F	0.587	1700	G	2011
		To:	Oriole Dr													
3154 Glade Rd	0.33	**4800**	**G**	99%	0%	0%	0%	0%	0%	F	0.095	F	0.66	5100	G	2011
		To:	University City Blvd													
		From:	Main St													
3156 Roanoke St	0.49	**5500**	**G**	98%	0%	1%	0%	0%	0%	C	0.095	F	0.561	5900	G	2011
		To:	Owen St													
		From:	Roanoke St													
3156 Owen St	0.11	**4700**	**G**	98%	0%	2%	0%	0%	0%	C	0.092	F	0.586	5000	G	2011
		To:	Harding Ave													
		From:	Owen St													
3156 Harding Ave	0.11	**5300**	**G**	98%	0%	2%	0%	0%	0%	C	0.092	F	0.579	5600	G	2011
		To:	Cork Dr													

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Town of Blacksburg																
		From:	Cork Dr													
(3156) Harding Ave	0.66	**4600**	**G**	98%	0%	2%	0%	0%	0%	F	0.086	F	0.572	4900	G	2011
		To:	ECL Blacksburg													
		From:	Prices Fork Rd													
(3159) Tom's Creek Rd	1.08	**11000**	**G**	99%	1%	0%	0%	0%	0%	C	0.091	F	0.505	12000	G	2011
		To:	US 460													
		From:	US 460 Bus													
(3164) Mt Tabor Rd	0.92	**3100**	**G**	98%	1%	1%	0%	0%	0%	C	0.101	F	0.614	3300	G	2011
		To:	NCL Blacksburg													
		From:	Harding Ave													
(3165) Patrick Henry Dr	0.79	**4600**	**G**	99%	0%	0%	0%	0%	0%	C	0.093	F	0.538	4900	G	2011
		To:	Bus US 460													
		From:	Toms Creek Rd													
(3165) Patrick Henry Dr	0.83	**11000**	**G**	98%	2%	0%	0%	0%	0%	C	0.090	F	0.53	11000	G	2011
		To:	Progress St NW													
		From:	Mason Drive													
Apperson Dr		**150**	**G**								0.15	F	0.7	150	G	2011
		To:	Harding Avenue													
		From:	Dead End													
Country Club Dr		**620**	**G**								NA			620	G	2011
		To:	Airport Rd													
		From:	Country Club Dr													
Draper Rd		**250**	**G**								0.146	F		270	G	2011
		To:	Airport Rd													
		From:	C8US 460													
E Clay St		**3100**	**G**	99%	0%	0%	0%	0%	0%	F	NA			3300	G	2011
		To:	Dead End													
		From:	Preston Ave													
Edgewood Lane		**290**	**G**								NA			290	G	2011
		To:	S Draper Rd													
		From:	Farmview Dr													
Hightop Road		**3500**	**G**	97%	1%	1%	1%	0%	0%	C	0.088	F	0.553	3500	G	2011
		To:	Bus US 460													
		From:	Country Club Dr													
Hillcrest Dr		**90**	**G**								0.138	F	0.769	90	G	2011
		To:	Sunrise Dr													
		From:	Church St													
Jackson St		**4000**	**G**								NA			4300	G	2011
		To:	Penn St													
		From:	Giles Road													
Lucas Dr		**330**	**G**								0.102	F	0.521	330	G	2011
		To:	Turner Street													
		From:	Kelsey Dr													
McBride Dr		**690**	**G**								0.09	F	0.606	740	G	2011
		To:	Burrus Dr													
		From:	Glade Rd													
Meadowbrook Drive		**620**	**G**	98%	1%	1%	0%	0%	0%	C	0.089	F	0.656	620	G	2011
		To:	Shadowlake Rd													
		From:	Grissom Ln													
Nellies Cave Road		**2600**	**G**	98%	1%	1%	0%	0%	0%	C	0.101	F	0.650	2600	G	2011
		To:	Garden Spring Dr													
		From:	Broce Dr													
Progress St		**3100**	**G**								0.095	F	0.546	3300	G	2011
		To:	Watson Ave													
		From:	Industrial Park Rd													
Ramble Rd		**6400**	**G**	97%	1%	1%	1%	1%	0%	C	0.131	F	0.843	6400	G	2011
		To:	Rim Rock Rd													

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						2Axle	3+Axle	1Trail	2Trail							
Town of Blacksburg																
		From: US 460														
Southgate Dr		**11000**	**G**	98%	0%	0%	1%	0%	0%	C	0.117	F	0.734	11000	G	2011
		To: Duckpond Dr														
		From: Edgewood Ln														
Southgate Dr		**NA**									NA			NA		
		To: Airport Rd														
		From: Forecast Dr														
Tech Center Dr		**5000**	**G**	97%	0%	1%	1%	1%	0%	C	0.116	F	0.601	5000	G	2011
		To: Southgate Dr														
		From: US 460														
Toms Creek Road		**1800**	**G**	99%	0%	1%	0%	0%	0%	C	0.113	F	0.679	1800	G	2011
		To: Redbud Rd														