

2008

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

where available

Special Locality Report

120

City of Martinsville

Information in this report is included in Report

44

(Henry 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
2008
Annual Average Daily Traffic Volume Estimates By Section of Route
City of Martinsville

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
57 Fayette St	City of Martinsville	0.93	3500	G	99%	0%	1%	0%	0%	0%	F	0.101	F	0.532	3800	G
57 Fayette St	City of Martinsville	0.34	4200	G	99%	0%	1%	0%	0%	0%	C	0.093	F	0.557	4600	G
57 220 Memorial Blvd	City of Martinsville	0.85	13000	G	96%	0%	1%	0%	2%	0%	C	0.086	F	0.511	13000	G
57 220 Memorial Blvd	City of Martinsville	0.25	16000	G	96%	0%	1%	0%	2%	0%	F	0.083	F	0.513	17000	G
57 58 Starling Ave	City of Martinsville	0.85	11000	G	98%	1%	1%	0%	1%	0%	C	0.091	F	0.571	12000	G
57 58 Starling Ave	City of Martinsville	0.15	9700	G	98%	1%	1%	0%	1%	0%	F	0.096	F	0.531	10000	G
57 58 Church St	City of Martinsville	0.10	12000	G	98%	1%	1%	0%	1%	0%	C	0.093	F	0.588	13000	G
57 58 Church St	City of Martinsville	0.28	11000	G	98%	1%	1%	0%	1%	0%	F	0.092	F	0.569	12000	G
57 58 E Church Rd	City of Martinsville	0.26	11000	G	98%	1%	1%	0%	1%	0%	F	0.094	F	0.582	12000	G
57 58 E Church Rd	City of Martinsville	0.13	15000	G	97%	1%	1%	0%	1%	0%	F	0.088	F	0.595	16000	G
57 58 E Church Rd	City of Martinsville	0.77	17000	G	97%	1%	1%	0%	1%	0%	C	0.087	F	0.617	19000	G
58 220 Memorial Blvd	City of Martinsville	0.71	21000	G	96%	1%	1%	1%	2%	0%	C	0.085	F	0.608	22000	G
58 57 Starling Ave	City of Martinsville	0.85	11000	G	98%	1%	1%	0%	1%	0%	C	0.091	F	0.571	12000	G
58 57 Starling Ave	City of Martinsville	0.15	9700	G	98%	1%	1%	0%	1%	0%	F	0.096	F	0.531	10000	G
58 57 Church St	City of Martinsville	0.10	12000	G	98%	1%	1%	0%	1%	0%	C	0.093	F	0.588	13000	G
58 57 Church St	City of Martinsville	0.28	11000	G	98%	1%	1%	0%	1%	0%	F	0.092	F	0.569	12000	G

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Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
Bus 58 57 E Church Rd	From: Fairy St City of Martinsville	0.26	11000	G	98%	1%	1%	0%	1%	0%	F	0.094	F	0.582	12000	G
Bus 58 57 E Church Rd	To: Brookdale St From: City of Martinsville	0.13	15000	G	97%	1%	1%	0%	1%	0%	F	0.088	F	0.595	16000	G
Bus 58 57 E Church Rd	To: Hooker St From: City of Martinsville	0.77	17000	G	97%	1%	1%	0%	1%	0%	C	0.087	F	0.617	19000	G
	To: ECL Martinsville From: City of Martinsville															
174 Liberty St	To: NCL Martinsville From: City of Martinsville	0.49	15000	G	96%	1%	1%	0%	2%	0%	F	0.094	F	0.526	16000	G
174 Liberty St	To: Inman St From: City of Martinsville	0.20	15000	G	96%	1%	1%	0%	2%	0%	F	0.091	F	0.506	16000	G
174 Liberty St	To: Clearview Dr From: City of Martinsville	0.60	9200	G	96%	1%	1%	0%	2%	0%	C	0.088	F	0.572	9900	G
	To: Commonwealth Blvd From: City of Martinsville															
Bus 220 Bus 58 Memorial Blvd	To: SCL MARTINSVILLE From: City of Martinsville	0.71	21000	G	96%	1%	1%	1%	2%	0%	C	0.085	F	0.608	22000	G
Bus 220 57 Memorial Blvd	To: STARLING AVE From: City of Martinsville	0.25	16000	G	96%	0%	1%	0%	2%	0%	F	0.083	F	0.513	17000	G
Bus 220 57 Memorial Blvd	To: Broad Street From: City of Martinsville	0.85	13000	G	96%	0%	1%	0%	2%	0%	C	0.086	F	0.511	13000	G
Bus 220 Memorial Blvd	To: Fayette St From: City of Martinsville	0.65	14000	G	97%	0%	1%	0%	2%	0%	C	0.085	F	0.502	15000	G
	To: NCL Martinsville From: City of Martinsville															
457 Church St	To: SR 57 BUS US 220 Memorial Blvd From: City of Martinsville	0.59	6400	G	98%	1%	1%	0%	1%	0%	F	0.085	F	0.504	6900	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		12000	G	98%	1%	0%	0%	0%	0%	F	NA			13000	G
457 Market St	To: Moss St From: City of Martinsville	0.20	11000	G	98%	1%	1%	0%	1%	0%	F	0.087	F	0.516	12000	G
457 Commonwealth Blvd	To: Commonwealth Blvd From: City of Martinsville	0.56	17000	G	98%	1%	1%	0%	1%	0%	F	0.093	F	0.515	18000	G
457 Commonwealth Blvd	To: Northside Dr From: City of Martinsville	0.36	20000	G	98%	1%	1%	0%	1%	0%	C	0.09	F	0.527	21000	G
457 Commonwealth Blvd	To: Fairy St From: City of Martinsville	0.48	6300	G	98%	1%	1%	0%	1%	0%	F	0.09	F	0.546	6800	G
	To: Chatham Rd From: City of Martinsville															

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							2Axle	3+Axle	1Trail	2Trail						
457 Chatham Rd	From: Commonwealth Blvd															
	City of Martinsville	0.99	5000	G	98%	0%	0%	1%	1%	0%	C	0.092	F	0.627	5400	G
	To: ECL Martinsville															
457 Fayette St	From: US 220 Memorial Blvd															
	City of Martinsville	0.61	5700	G	98%	1%	0%	0%	0%	0%	C	0.097	F	0.535	6100	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		12000	G	98%	1%	0%	0%	0%	0%	F	NA		13000	G	
	To: SR 457 Market St															
457 Fairy St	From: SR 457 Commonwealth Blvd															
	City of Martinsville	0.29	8300	G	98%	1%	1%	0%	1%	0%	C	0.095	F	0.598	9000	G
	To: Bus US 58 Church St															

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						2Axle	3+Axle	1Trail	2Trail							
City of Martinsville																
(4501) Mulberry Rd	1.41	2900	G	99%	1%	0%	0%	0%	0%	F	0.104	F	0.676	3100	G	2008
			From: Lanier Rd													
(4501) Mulberry Rd	0.21	5800	G	99%	1%	0%	0%	0%	0%	C	0.104	F	0.590	6300	G	2008
			From: Spruce St													
(4501) Mulberry Rd	0.18	9100	G	99%	1%	0%	0%	0%	0%	F	0.105	F	0.527	9800	G	2008
			From: Rives Rd													
(4501) Market St	0.87	9500	G	99%	1%	0%	0%	0%	0%	C	0.096	F	0.501	10000	G	2008
			From: US 58 Bus Starling Ave													
			To: Starling Ave													
(4502) W Church St	0.36	2800	G	99%	1%	1%	0%	0%	0%	F	0.095	F		3000	G	2008
			From: SR 457 Market St													
(4502) E Church St	0.12	4200	G	99%	1%	1%	0%	0%	0%	C	0.104	F		4500	G	2008
			From: Broad St													
(4502) E Church St	0.33	6700	G	98%	0%	0%	0%	1%	0%	F	0.107	F	0.663	7300	G	2008
			From: Ellsworth St													
			To: Bus US 58 Starling Ave													
(4504) Commonwealth Blvd	1.00	17000	G	98%	0%	0%	0%	1%	0%	C	0.090	F	0.583	18000	G	2008
			From: WCL Martinsville													
			To: Market St													
(4506) Stultz Rd	0.73	3800	G	98%	0%	0%	0%	1%	0%	F	0.094	F	0.563	4100	G	2008
			From: WCL Martinsville													
(4506) Clearview Dr	0.08	13000	G	98%	0%	0%	0%	1%	0%	F	NA			14000	G	2008
			From: Liberty St													
(4506) Clearview Dr	0.14	6500	G	98%	0%	0%	0%	1%	0%	F	0.095	F	0.509	7000	G	2008
			From: Northside Dr													
(4506) Clearview Dr	0.86	2900	G	97%	0%	1%	2%	0%	0%	C	0.092	F	0.668	3200	G	2008
			From: Barrows Mill Rd													
			To: NCL Martinsville													
(4507) Rives Rd	1.34	6000	G	99%	0%	0%	0%	1%	0%	C	0.102	F	0.559	6400	G	2008
			From: SCL Martinsville													
(4507) Rives Rd	0.34	4300	G	99%	0%	0%	0%	1%	0%	F	0.101	F	0.59	4700	G	2008
			From: Circle Ct													
			To: Mulberry Rd													
(4509) Rivermont Heights	0.39	1600	G	99%	0%	0%	0%	1%	0%	F	0.098	F	0.516	1700	G	2008
			From: SCL Martinsville													
			To: Memorial Blvd													
(4511) Forest St	0.56	1900	G	99%	1%	0%	0%	0%	0%	F	0.09	F	0.536	2000	G	2008
			From: Starling Ave Bus US 58													
			To: Smith Lake Rd													
(4515) Askin St	0.97	350	G	99%	1%	0%	0%	0%	0%	F	0.12	F	0.5	380	G	2008
			From: 44-801SCL Martinsville													
			To: C4US 220													
(4517) Spruce St	0.23	6600	G	99%	1%	0%	0%	0%	0%	F	0.106	F	0.519	7100	G	2008
			From: Mulberry Rd													
(4517) Spruce St	0.39	6800	G	99%	1%	0%	0%	0%	0%	C	0.108	F	0.527	7300	G	2008
			From: Parkview Ave													
(4517) Spruce St	0.44	7600	G	99%	1%	0%	0%	0%	0%	F	0.099	F	0.686	8100	G	2008
			From: Brookdale St													
			To: ECL Martinsville													
(4519) Brookdale St	0.53	11000	G	99%	1%	0%	0%	0%	0%	C	0.089	F	0.577	12000	G	2008
			From: Bus US 58													
(4519) Brookdale St	0.41	7800	G	98%	0%	0%	0%	0%	0%	C	0.086	F	0.599	8400	G	2008
			From: Parkview Ave													
			To: Spruce St													

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						2Axle	3+Axle	1Trail	2Trail							
City of Martinsville																
(4521) Parkview Ave	0.32	980	G	99%	1%	From: Mulberry Rd To: Spruce St				F	0.108	F	0.582	1100	G	2008
(4521) Parkview Ave	0.17	2800	G	99%	1%	From: Spruce St To: Brookdale St				C	0.102	F	0.511	3000	G	2008
(4523) Cleveland Ave	0.36	3800	G	99%	1%	From: US 58 Bus Starling Ave To: Church St				F	0.097	F	0.577	4100	G	2008
(4525) Broad St	0.45	1500	G	92%	1%	From: Memorial Blvd To: Market St				C	0.106	F	0.638	1700	G	2008
(4525) Broad St	0.18	1200	G	92%	1%	From: Market St To: Church St				F	0.12	F	0.67	1300	G	2008
(4527) Bridge St	0.43	5800	G	100%	0%	From: Memorial Blvd To: Market St				C	0.094	F	0.542	6200	G	2008
(4527) Bridge St	0.17	2200	G	100%	0%	From: Market St To: Church St				F	0.105	F	0.506	2400	G	2008
(4527) Bridge St	0.18	1400	G	100%	0%	From: 120-4502 Church St To: 120-4553 Main St				F	0.098	F		1500	G	2008
(4529) Ellsworth St	0.18	2400	G	100%	0%	From: Market St To: Church St				F	0.109	F	0.666	2600	G	2008
(4529) Lester St	0.35	3400	G	98%	1%	From: Church St To: Commonwealth Blvd				C	0.116	F	0.516	3600	G	2008
(4531) Walnut St	0.05	1500	G	98%	1%	From: Church St To: Main St				F	0.111	F		1600	G	2008
(4531) Franklin St	0.09	2000	G	98%	1%	From: Main St To: Jones St				F	0.105	F	0.775	2200	G	2008
(4531) Franklin St	0.61	1400	G	98%	1%	From: Jones St To: Liberty St				F	0.118	F	0.625	1500	G	2008
(4533) Liberty St	0.07	4500	G	96%	2%	From: Moss St To: SR 457				C	0.102	F	0.512	4800	G	2008
(4533) Liberty St	0.10	2400	G	96%	2%	From: Jones St To: Moss St				F	0.102	F	0.593	2600	G	2008
(4535) Northside Dr	0.80	5700	G	99%	0%	From: Commonwealth Blvd To: Clearview Dr				C	0.094	F	0.551	6100	G	2008
(4539) Hooker St	0.39	6200	G	99%	0%	From: Chatham Rd To: Commonwealth Blvd				F	0.089	F	0.523	6700	G	2008
(4541) Barrows Mill Rd	0.67	2700	G	99%	0%	From: Clearview Dr To: NCL Martinsville				F	0.120	F	0.593	2900	G	2008
(4542) Hairston St	0.53	1800	G	98%	1%	From: Starling Ave To: Rives Rd				C	0.112	F	0.537	1900	G	2008
(4543) Moss St	0.05	1700	G	98%	1%	From: Church St To: Main St				F	0.097	F	0.83	1900	G	2008
(4543) Main St	0.13	1200	G	98%	1%	From: Moss St To: Jones St				F	0.115	F		1200	G	2008

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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							
City of Martinsville																
(4543) Main St	0.04	3400	G	98%	1%	1%	0%	0%	0%	F	0.105	N		3600	G	2008
(4543) Main St	0.25	3100	G	98%	1%	1%	0%	0%	0%	C	0.105	F		3400	G	2008
(4543) Clay St	0.04	3200	G	98%	1%	1%	0%	0%	0%	F	0.100	F		3500	G	2008
3rd St		620	G								0.095	F		670	G	2008
Glade St		280	G								0.122	F		300	G	2008
Highland St		240	G								0.117	F		250	G	2008
Knollwood Place		320	G								0.101	F	0.530	320	G	2008
Oakgrove Ave		220	G								0.114	F		230	G	2008
Randolph St		250	G								0.139	F	0.521	250	G	2008
River Forest Pl		120	G								0.109	F	0.5	120	G	2008
Root Trail		470	G								0.108	F	0.75	510	G	2008
Spruce St		3400	G								0.099	F		3700	G	2008