

2010
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

- North
 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
 Bus - Business Route
-  Bypas - Bypass Route
-  Truck - Truck Route
- ALT
 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
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2010
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	1.34	3200	G	99%	1%	0%	0%	0%	0%	F	0.089	F	0.552	3400	G
57 Fayette St	City of Martinsville	0.34	3900	G	99%	1%	0%	0%	0%	0%	C	0.088	F	0.531	4200	G
57 220 Memorial Blvd	City of Martinsville	0.85	12000	G	97%	1%	1%	0%	2%	0%	C	0.083	F	0.534	13000	G
57 220 Memorial Blvd	City of Martinsville	0.25	16000	G	97%	1%	1%	0%	2%	0%	F	0.087	F	0.563	17000	G
57 58 Starling Ave	City of Martinsville	0.85	9400	G	98%	1%	0%	0%	1%	0%	C	0.089	F	0.574	10000	G
57 58 Starling Ave	City of Martinsville	0.15	8400	G	98%	1%	0%	0%	1%	0%	F	0.095	F	0.554	9000	G
57 58 Church St	City of Martinsville	0.10	12000	G	98%	1%	0%	0%	0%	0%	C	0.088	F	0.592	13000	G
57 58 Church St	City of Martinsville	0.28	10000	G	98%	1%	0%	0%	0%	0%	F	0.088	F	0.605	11000	G
57 58 E Church Rd	City of Martinsville	0.26	10000	G	98%	1%	0%	0%	0%	0%	F	0.091	F	0.621	11000	G
57 58 E Church Rd	City of Martinsville	0.13	13000	G	98%	1%	1%	0%	1%	0%	F	0.087	F	0.588	14000	G
57 58 E Church Rd	City of Martinsville	0.77	16000	G	98%	1%	1%	0%	1%	0%	C	0.085	F	0.62	18000	G
58 220 Memorial Blvd	City of Martinsville	0.71	21000	G	97%	1%	1%	1%	1%	0%	C	0.079	F	0.513	23000	G
58 57 Starling Ave	City of Martinsville	0.85	9400	G	98%	1%	0%	0%	1%	0%	C	0.089	F	0.574	10000	G
58 57 Starling Ave	City of Martinsville	0.15	8400	G	98%	1%	0%	0%	1%	0%	F	0.095	F	0.554	9000	G
58 57 Church St	City of Martinsville	0.10	12000	G	98%	1%	0%	0%	0%	0%	C	0.088	F	0.592	13000	G
58 57 Church St	City of Martinsville	0.28	10000	G	98%	1%	0%	0%	0%	0%	F	0.088	F	0.605	11000	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	10000	G	98%	1%	0%	0%	0%	0%	F	0.091	F	0.621	11000	G
Bus 58 57 E Church Rd	To: Brookdale St From: City of Martinsville	0.13	13000	G	98%	1%	1%	0%	1%	0%	F	0.087	F	0.588	14000	G
Bus 58 57 E Church Rd	To: Hooker St From: City of Martinsville	0.77	16000	G	98%	1%	1%	0%	1%	0%	C	0.085	F	0.62	18000	G
	To: ECL Martinsville From: City of Martinsville															
174 Liberty St	To: NCL Martinsville From: City of Martinsville	0.49	13000	G	97%	1%	0%	0%	2%	0%	F	0.095	F	0.548	15000	G
174 Liberty St	To: Inman St From: City of Martinsville	0.20	14000	G	97%	1%	0%	0%	2%	0%	F	0.096	F	0.545	15000	G
174 Liberty St	To: Clearview Dr From: City of Martinsville	0.60	9300	G	97%	1%	0%	0%	2%	0%	C	0.086	F	0.623	10000	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	97%	1%	1%	1%	1%	0%	C	0.079	F	0.513	23000	G
Bus 220 57 Memorial Blvd	To: STARLING AVE From: City of Martinsville	0.25	16000	G	97%	1%	1%	0%	2%	0%	F	0.087	F	0.563	17000	G
Bus 220 57 Memorial Blvd	To: Broad Street From: City of Martinsville	0.85	12000	G	97%	1%	1%	0%	2%	0%	C	0.083	F	0.534	13000	G
Bus 220 Memorial Blvd	To: Fayette St From: City of Martinsville	0.65	14000	G	98%	0%	0%	0%	1%	0%	C	0.082	F	0.506	16000	G
	To: NCL Martinsville From: City of Martinsville															
457 Church St	From: SR 57 BUS US 220 Memorial Blvd City of Martinsville	0.59	5500	G	98%	1%	0%	0%	1%	0%	F	0.086	F	0.507	6100	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		10000	G	99%	0%	0%	0%	0%	0%	F	0.084	F	0.528	10000	G
457 Market St	To: Moss St From: Fayette St City of Martinsville	0.20	10000	G	98%	1%	0%	0%	1%	0%	F	0.088	F	0.526	11000	G
457 Commonwealth Blvd	To: Commonwealth Blvd From: Market St City of Martinsville	0.56	15000	G	98%	1%	0%	0%	1%	0%	F	0.09	F	0.515	17000	G
457 Commonwealth Blvd	To: Northside Dr From: City of Martinsville	0.36	19000	G	98%	1%	0%	0%	1%	0%	C	0.089	F	0.521	21000	G
457 Commonwealth Blvd	To: Fairy St From: City of Martinsville	0.48	5900	G	98%	1%	0%	0%	1%	0%	F	0.089	F	0.503	6500	G
	To: Chatham Rd From: City of Martinsville															

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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						
457 Chatham Rd	From: Commonwealth Blvd															
	City of Martinsville	0.99	4900	G	98%	0%	0%	0%	0%	C	0.089	F	0.587	5500	G	
	To: ECL Martinsville															
457 Fayette St	From: US 220 Memorial Blvd															
	City of Martinsville	0.61	4500	G	100%	0%	0%	0%	0%	C	0.084	F	0.504	4300	G	
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		10000	G	99%	0%	0%	0%	0%	F	0.084	F	0.528	10000	G	
	To: SR 457 Market St															
457 Fairy St	From: SR 457 Commonwealth Blvd															
	City of Martinsville	0.29	8000	G	98%	1%	0%	0%	1%	C	0.092	F	0.573	8800	G	
	To: Bus US 58 Church St															

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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																
(4501) Mulberry Rd	1.41	3000	G	99%	0%	0%	0%	0%	0%	F	0.094	F	0.667	3300	G	2010
			From: Lanier Rd													
			To: Spruce St													
(4501) Mulberry Rd	0.21	5400	G	99%	0%	0%	0%	0%	0%	C	0.09	F	0.597	5900	G	2010
			From: Rives Rd													
			To: US 58 Bus Starling Ave													
(4501) Mulberry Rd	0.18	8500	G	99%	0%	0%	0%	0%	0%	F	0.096	F	0.547	9300	G	2010
			From: Starling Ave													
			To: Church St													
(4502) W Church St	0.36	2600	G	99%	1%	0%	0%	0%	0%	F	0.104	F	0.727	2900	G	2010
			From: SR 457 Market St													
			To: Broad St													
(4502) E Church St	0.12	3900	G	99%	1%	0%	0%	0%	0%	C	0.102	F		4300	G	2010
			From: Ellsworth St													
			To: Bus US 58 Starling Ave													
(4502) E Church St	0.33	6300	G	99%	0%	0%	0%	1%	0%	F	0.1	F	0.674	6900	G	2010
			From: WCL Martinsville													
			To: Market St													
(4504) Commonwealth Blvd	1.00	19000	G	99%	0%	0%	0%	1%	0%	C	0.09	F	0.545	18000	G	2010
			From: WCL Martinsville													
			To: Liberty St													
(4506) Stultz Rd	0.73	3900	G	99%	0%	0%	0%	1%	0%	F	0.093	F	0.567	4300	G	2010
			From: Northside Dr													
			To: Barrows Mill Rd													
(4506) Clearview Dr	0.08	10000	G	99%	0%	0%	0%	1%	0%	F	0.089	F	0.522	11000	G	2010
			From: Northside Dr													
			To: Barrows Mill Rd													
(4506) Clearview Dr	0.14	7100	G	99%	0%	0%	0%	1%	0%	F	0.088	F	0.575	7800	G	2010
			From: Barrows Mill Rd													
			To: NCL Martinsville													
(4506) Clearview Dr	0.86	2800	G	97%	1%	1%	1%	0%	0%	C	0.1	F	0.609	3100	G	2010
			From: SCL Martinsville													
			To: Circle Ct													
(4507) Rives Rd	1.34	5400	G	99%	0%	0%	0%	0%	0%	C	0.096	F	0.519	5900	G	2010
			From: Circle Ct													
			To: Mulberry Rd													
(4507) Rives Rd	0.34	3900	G	99%	0%	0%	0%	0%	0%	F	0.096	F	0.549	4300	G	2010
			From: SCL Martinsville													
			To: Memorial Blvd													
(4509) Rivermont Heights	0.39	1400	G	99%	0%	0%	0%	0%	0%	F	0.095	F	0.536	1500	G	2010
			From: Starling Ave Bus US 58													
			To: Smith Lake Rd													
(4511) Forest St	0.56	1900	G	99%	0%	0%	0%	0%	0%	F	0.088	F	0.575	2000	G	2010
			From: 44-801 SCL Martinsville													
			To: C4US 220													
(4515) Askin St	0.97	310	G	99%	0%	0%	0%	0%	0%	F	0.125	F	0.59	330	G	2010
			From: Mulberry Rd													
			To: Parkview Ave													
(4517) Spruce St	0.23	5800	G	99%	0%	0%	0%	0%	0%	F	0.091	F	0.55	6200	G	2010
			From: Parkview Ave													
			To: Brookdale St													
(4517) Spruce St	0.39	6000	G	99%	0%	0%	0%	0%	0%	C	0.097	F	0.671	6500	G	2010
			From: Brookdale St													
			To: ECL Martinsville; 44-650 Spruce St													
(4517) Spruce St	0.44	7300	G	99%	0%	0%	0%	0%	0%	F	0.092	F	0.651	7800	G	2010
			From: Bus US 58													
			To: Parkview Ave													
(4519) Brookdale St	0.53	12000	G	98%	1%	1%	0%	0%	0%	C	0.085	F	0.528	14000	G	2010
			From: Parkview Ave													
			To: Spruce St													
(4519) Brookdale St	0.41	7500	G	98%	1%	1%	0%	0%	0%	F	0.091	F	0.605	8100	G	2010
			From: Spruce St													
			To: Spruce St													

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						2Axle	3+Axle	1Trail	2Trail							
City of Martinsville																
(4521) Parkview Ave	0.32	930	G	99%	0%	From: Mulberry Rd To: Spruce St				F	0.098	F	0.508	1000	G	2010
(4521) Parkview Ave	0.17	2400	G	99%	0%	From: Spruce St To: Brookdale St				C	0.094	F	0.504	2600	G	2010
(4523) Cleveland Ave	0.36	3400	G	99%	0%	From: US 58 Bus Starling Ave To: Church St				F	0.103	F	0.546	3600	G	2010
(4525) Broad St	0.45	1400	G	95%	1%	From: Memorial Blvd To: Market St				C	0.111	F	0.645	1500	G	2010
(4525) Broad St	0.18	1000	G	95%	1%	From: Market St To: Church St				F	0.116	F	0.695	1100	G	2010
(4527) Bridge St	0.43	6100	G	99%	0%	From: Memorial Blvd To: Market St				C	0.086	F	0.603	6500	G	2010
(4527) Bridge St	0.17	2400	G	99%	0%	From: Market St To: Church St				F	0.100	F	0.564	2500	G	2010
(4527) Bridge St	0.18	1400	G	99%	0%	From: 120-4502 Church St To: 120-4553 Main St				F	0.101	F		1500	G	2010
(4529) Ellsworth St	0.18	2300	G	99%	0%	From: Market St To: Church St				F	0.104	F	0.549	2500	G	2010
(4529) Lester St	0.35	4600	G	99%	0%	From: Church St To: Commonwealth Blvd				C	0.101	F	0.598	4300	G	2010
(4531) Walnut St	0.05	1400	G	99%	0%	From: Church St To: Main St				F	0.117	F		1500	G	2010
(4531) Franklin St	0.09	2200	G	99%	0%	From: Main St To: Jones St				F	0.103	F	0.763	2400	G	2010
(4531) Franklin St	0.61	1100	G	99%	0%	From: Jones St To: Liberty St				F	0.123	F	0.546	1200	G	2010
(4533) Liberty St	0.07	3600	G	96%	2%	From: SR 457 Commonwealth Blvd To: Moss St				C	0.103	F	0.521	3900	G	2010
(4533) Liberty St	0.10	2500	G	96%	2%	From: Moss St To: Franklin St				F	0.104	F	0.599	2700	G	2010
(4535) Northside Dr	0.80	6500	G	99%	0%	From: Commonwealth Blvd To: Clearview Dr				C	0.098	F	0.558	7100	G	2010
(4539) Hooker St	0.39	6700	G	99%	0%	From: Chatham Rd To: Commonwealth Blvd				F	0.085	F	0.555	7400	G	2010
(4541) Barrows Mill Rd	0.67	2600	G	99%	0%	From: Clearview Dr To: NCL Martinsville				F	0.095	F	0.534	2800	G	2010
(4542) Hairston St	0.53	1300	G	98%	1%	From: Starling Ave To: Rives Rd				C	0.111	F	0.574	1400	G	2010
(4543) Moss St	0.05	1900	G	99%	1%	From: Church St To: Main St				F	0.1	F	0.884	2100	G	2010
(4543) Main St	0.13	1200	G	99%	1%	From: Moss St To: Jones St				F	0.112	F		1300	G	2010

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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	3200	G	99%	1%	0%	0%	0%	0%	F	0.098	N		3500	G	2010
(4543) Main St	0.25	2800	G	99%	1%	0%	0%	0%	0%	C	0.098	F		3100	G	2010
(4543) Clay St	0.04	3100	G	99%	1%	0%	0%	0%	0%	F	0.101	F		3400	G	2010
3rd St		1300	G								0.092	F	0.571	1400	G	2010
Glade St		340	G								0.114	F	0.512	360	G	2010
Highland St		590	G								0.111	F	0.529	640	G	2010
Knollwood Place		560	G								0.124	F	0.657	560	G	2010
Oakgrove Ave		500	G								0.105	F	0.529	540	G	2010
Randolph St		480	G								0.142	F	0.639	480	G	2010
River Forest Pl		100	G								0.141	F	0.546	110	G	2010
Root Trail		880	G								0.110	F	0.64	950	G	2010
Spruce St		3400	G								NA			3700	G	2010