

2004

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

where available

Special Locality Report

120

City of Martinsville

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
 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 Street	City of Martinsville	From: WCL Martinsville	0.93	3500	G	99%	1%	0%	0%	0%	0%	F	0.101	F	0.520	3800	G
57 Fayette St	City of Martinsville	To: Pine Hall Rd	0.34	4500	G	99%	1%	0%	0%	0%	0%	C	0.094	F	0.544	4900	G
57 Bus 220 Memorial Blvd	City of Martinsville	From: US 220 Memorial Blvd	0.85	13000	G	96%	1%	1%	1%	2%	0%	C	0.085	F	0.512	14000	G
57 Bus 220 Memorial Blvd	City of Martinsville	To: Broad St	0.25	18000	G	96%	1%	1%	1%	2%	0%	F	0.087	F	0.558	20000	G
57 Bus 58 Starling Ave	City of Martinsville	From: US 58; BUS US 220	0.85	11000	G	98%	0%	0%	0%	1%	0%	C	0.086	F	0.583	12000	G
57 Bus 58 Starling Ave	City of Martinsville	To: Mulberry Rd	0.15	9100	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.576	9900	G
57 Bus 58 Church Street	City of Martinsville	From: Church St Starling Ave	0.10	11000	G	98%	0%	1%	1%	1%	0%	C	0.09	F	0.565	12000	G
57 Bus 58 Church Street	City of Martinsville	To: Church St Ext	0.28	11000	G	98%	0%	1%	1%	1%	0%	F	0.092	F	0.575	12000	G
57 Bus 58 Church Street	City of Martinsville	From: Fairy St	0.26	11000	G	98%	0%	1%	1%	1%	0%	F	0.095	F	0.645	12000	G
57 Bus 58 Church Street	City of Martinsville	To: Brookdale St	0.13	14000	G	97%	1%	1%	0%	1%	0%	F	0.091	F	0.589	16000	G
57 Bus 58 Church Street	City of Martinsville	From: Hooker St	0.77	18000	G	97%	1%	1%	0%	1%	0%	C	0.087	F	0.594	20000	G
58 Bus 220 Memorial Blvd.	City of Martinsville	To: SCL Martinsville	0.71	23000	G	96%	1%	1%	1%	2%	0%	C	0.083	F	0.554	25000	G
58 Bus 57 Starling Ave	City of Martinsville	From: Starling Avenue W Memorial Blvd	0.85	11000	G	98%	0%	0%	0%	1%	0%	C	0.086	F	0.583	12000	G
58 Bus 57 Starling Ave	City of Martinsville	To: Mulberry Rd	0.15	9100	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.576	9900	G
58 Bus 57 Church Street	City of Martinsville	From: Church St Starling Ave	0.10	11000	G	98%	0%	1%	1%	1%	0%	C	0.09	F	0.565	12000	G
58 Bus 57 Church Street	City of Martinsville	To: Church St Ext	0.28	11000	G	98%	0%	1%	1%	1%	0%	F	0.092	F	0.575	12000	G
		From: Fairy St															

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							2Axle	3+Axle	1Trail	2Trail							
Bus 58 57 Church Street	City of Martinsville	From: Fairy St To: Brookdale St	0.26	11000	G	98%	0%	1%	1%	1%	0%	F	0.095	F	0.645	12000	G
Bus 58 57 Church Street	City of Martinsville	From: Hooker St To: ECL Martinsville	0.77	18000	G	97%	1%	1%	0%	1%	0%	C	0.087	F	0.594	20000	G
174 Liberty St	City of Martinsville	From: NCL Martinsville To: Inman St	0.49	17000	G	97%	1%	1%	1%	2%	0%	F	0.091	F	0.550	18000	G
174 Liberty St	City of Martinsville	From: Clearview Dr To: Commonwealth Blvd	0.60	10000	G	97%	1%	1%	1%	2%	0%	C	0.092	F	0.531	11000	G
Bus 220 Bus 58 Memorial Blvd.	City of Martinsville	From: SCL MARTINSVILLE To: STARLING AVE	0.71	23000	G	96%	1%	1%	1%	2%	0%	C	0.083	F	0.554	25000	G
Bus 220 57 Memorial Blvd	City of Martinsville	From: Broad Street To: Broad Sreet	0.85	13000	G	96%	1%	1%	1%	2%	0%	C	0.085	F	0.512	14000	G
Bus 220 Memorial Blvd	City of Martinsville	From: Fayette St To: NCL Martinsville	0.65	15000	G	96%	0%	1%	1%	2%	0%	C	0.082	F	0.505	16000	G
457	City of Martinsville	From: SR 57 BUS US 220 Memorial Blvd To: Fayette St	0.59	6700	G	98%	0%	0%	0%	1%	0%	F	0.095	F	0.536	7300	G
Combined Traffic Estimates for 2 Parallel Roadways on this Route:				12000	G	99%	0%	0%	0%	1%	0%	F	NA			13000	G
457 Market St	City of Martinsville	From: Commonwealth Blvd To: Market St	0.20	13000	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.556	14000	G
457 Commonwealth Blvd	City of Martinsville	From: Northside Dr To: Fayette St	0.56	16000	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.53	18000	G
457 Commonwealth Blvd	City of Martinsville	From: Northside Dr To: Fayette St	0.36	21000	G	98%	0%	0%	0%	1%	0%	C	0.09	F	0.522	23000	G
Combined Traffic Estimates for Parallel Roadways on this Route:				NA									0.09	F		NA	
457 Commonwealth Blvd	City of Martinsville	From: Fayette St To: Chatham Rd	0.48	6900	G	98%	0%	0%	0%	1%	0%	F	NA			7500	G
Combined Traffic Estimates for Parallel Roadways on this Route:				NA									NA			NA	

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 2004
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							2Axle	3+Axle	1Trail	2Trail																			
457 Chatham Rd	City of Martinsville	From: Commonwealth Blvd	0.99	4300	G	98%	1%	1%	1%	0%	0%	C	0.096	F	0.609	4700	G												
		To: ECL Martinsville																											
457	City of Martinsville	From: US 220 Memorial Blvd	0.61	5000	G	100%	0%	0%	0%	0%	0%	C	0.085	F	0.561	5500	G												
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:																12000	G	99%	0%	0%	1%	0%	F	NA	13000	G	
		To: SR 457 Market St																											
457 Fairy St	City of Martinsville	From: SR 457 Commonwealth Blvd	0.29	8800	G	98%	1%	1%	0%	1%	0%	C	0.092	F	0.581	9600	G												
		Combined Traffic Estimates for Parallel Roadways on this Route:																NA						F	NA	NA			
		To: Bus US 58 Church St																											

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 2004
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 City of Martinsville

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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	0.109	F	0.67	3200	G	2004
				From:	Lanier Rd											
				To:	Spruce St											
(4501) Mulberry Rd	0.21	7000	G	99%	1%	0%	0%	0%	0%	C	0.104	F	0.510	7700	G	2004
				From:	Rives Rd											
				To:	US 58 Bus Starling Ave											
(4501) Mulberry Rd	0.18	9100	G	99%	0%	0%	0%	0%	0%	F	0.096	F	0.507	10000	G	2004
				From:	Starling Ave											
				To:	Church St											
(4502) W Church St	0.36	2900	G	99%	1%	0%	0%	0%	0%	F	0.102	F		3100	G	2004
				From:	Market St											
				To:	Broad St											
(4502) E Church St	0.12	4900	G	99%	1%	0%	0%	0%	0%	C	0.108	F		5300	G	2004
				From:	Ellsworth St											
				To:	Starling Ave											
(4502) E Church St	0.33	7000	G	98%	0%	0%	0%	1%	0%	F	0.113	F	0.649	7700	G	2004
				From:	WCL Martinsville											
				To:	Market St											
(4504) Commonwealth Blvd	1.00	16000	G	98%	0%	0%	0%	1%	0%	C	0.086	F	0.568	17000	G	2004
				From:	WCL Martinsville											
				To:	Liberty St											
(4506) Stultz Rd	0.73	4200	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.571	4600	G	2004
				From:	Northside Dr											
				To:	Barrows Mill Rd											
(4506) Clearview Dr	0.08	12000	G	98%	0%	0%	0%	1%	0%	F	0.085	F	0.563	13000	G	2004
				From:	NCL Martinsville											
				To:	SCL Martinsville											
(4506) Clearview Dr	0.14	8000	G	98%	0%	0%	0%	1%	0%	F	0.092	F	0.505	8700	G	2004
				From:	Circle Ct											
				To:	Mulberry Rd											
(4506) Clearview Dr	0.86	3300	G	96%	1%	1%	2%	0%	0%	C	0.094	F	0.594	3600	G	2004
				From:	SCL Martinsville											
				To:	Memorial Blvd											
(4507) Rives Rd	1.34	5800	G	98%	1%	0%	0%	1%	0%	C	0.104	F	0.588	6400	G	2004
				From:	Starling Ave											
				To:	Smith Lake Rd											
(4507) Rives Rd	0.34	4200	G	98%	1%	0%	0%	1%	0%	F	0.102	F	0.551	4600	G	2004
				From:	SCL Martinsville											
				To:	Memorial Blvd											
(4509) Rivermont Heights	0.39	2000	G	98%	1%	0%	0%	1%	0%	F	0.098	F	0.569	2100	G	2004
				From:	Starling Ave											
				To:	Smith Lake Rd											
(4511) Forest St	0.56	2200	G	99%	0%	0%	0%	0%	0%	F	0.098	F	0.545	2400	G	2004
				From:	44-801SCL Martinsville											
				To:	C4US 220											
(4515) Askin St	0.97	400	G	99%	0%	0%	0%	0%	0%	F	0.113	F		440	G	2004
				From:	Mulberry Rd											
				To:	Parkview Ave											
(4517) Spruce St	0.23	6300	G	99%	0%	0%	0%	0%	0%	F	0.092	F	0.591	6900	G	2004
				From:	Brookdale St											
				To:	ECL Martinsville											
(4517) Spruce St	0.39	6600	G	99%	0%	0%	0%	0%	0%	C	0.097	F	0.539	7300	G	2004
				From:	Church St											
				To:	Parkview Ave											
(4517) Spruce St	0.44	8000	G	99%	0%	0%	0%	0%	0%	F	0.096	F	0.653	8800	G	2004
				From:	Church St											
				To:	Parkview Ave											
(4519) Brookdale St	0.53	11000	G	98%	1%	0%	0%	0%	0%	C	0.09	F	0.58	12000	G	2004
				From:	Parkview Ave											
				To:	Spruce St											

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						2Axle	3+Axle	1Trail	2Trail							
City of Martinsville																
(4521) Parkview Ave	0.32	1000	G	99%	1%	From: Mulberry Rd To: Spruce St				F	0.109	F	0.667	1100	G	2004
(4521) Parkview Ave	0.17	3000	G	99%	1%	From: Spruce St To: Brookdale St				C	0.100	F	0.527	3300	G	2004
(4523) Cleveland Ave	0.36	5000	G	99%	1%	From: US 58 Bus Starling Ave To: Church St				F	0.103	F	0.540	5400	G	2004
(4525) Broad St	0.45	1800	G	94%	1%	From: Memorial Blvd To: Market St				C	0.095	F	0.612	2000	G	2004
(4525) Broad St	0.18	1300	G	94%	1%	From: Market St To: Church St				F	0.104	F	0.509	1400	G	2004
(4527) Bridge St	0.43	7100	G	100%	0%	From: Memorial Blvd To: Market St				C	0.087	F	0.536	7700	G	2004
(4527) Bridge St	0.17	2600	G	100%	0%	From: Market St To: Church St				F	0.103	F	0.771	2900	G	2004
(4527) Bridge St	0.18	1900	G	100%	0%	From: 120-4502 Church St To: 120-4553 Main St				F	0.127	F		2100	G	2004
(4529) Ellsworth St	0.18	2600	G	100%	0%	From: Market St To: Church St				F	0.109	F	0.618	2900	G	2004
(4529) Lester St	0.35	3400	G	99%	0%	From: Church St To: Commonwealth Blvd				C	0.112	F	0.519	3700	G	2004
(4531) Walnut St	0.05	1900	G	99%	0%	From: Church St To: Main St				F	0.11	F		2100	G	2004
(4531) Franklin St	0.09	2700	G	99%	0%	From: Main St To: Jones St				F	0.101	F	0.773	3000	G	2004
(4531) Franklin St	0.61	1500	G	99%	0%	From: Jones St To: Liberty St				F	0.128	F	0.714	1600	G	2004
(4533) Liberty St	0.10	NA				From: Moss St To: 120-4527 Jones St; 120-4531 Franklin St					0.119	N		NA		2004
(4535) Northside Dr	0.80	7900	G	99%	0%	From: Commonwealth Blvd To: Clearview Dr				C	0.09	F	0.628	8700	G	2004
(4539) Hooker St	0.39	6700	G	99%	0%	From: Church St To: Commonwealth Blvd				F	0.089	F	0.539	7300	G	2004
(4541) Barrows Mill Rd	0.67	2800	G	99%	0%	From: Clearview Dr To: NCL Martinsville				F	0.098	F	0.573	3100	G	2004
(4542) Hairston St	0.53	1700	G	98%	1%	From: Starling Ave To: Rives Rd				C	0.092	F	0.579	1800	G	2004
(4543) Moss St	0.05	1900	G	95%	0%	From: Church St To: Main St				F	0.102	F	0.863	2100	G	2004
(4543) Main St	0.13	1200	G	95%	0%	From: Moss St To: Jones St				F	0.113	F		1300	G	2004
(4543) Main St	0.04	3100	G	95%	0%	From: Jones St To: Franklin St				F	0.103	N		3300	G	2004

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 2004
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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	0.25	3000	G	95%	0%	From: Franklin St				C	0.103	F		3300	G	2004
						To: Clay St										
④543 Clay St	0.04	3800	G	95%	0%	From: Main St				F	0.089	F		4200	G	2004
						To: Church St										
3rd Street		970	G			From: C St					0.115	F		1100	G	2004
						To: D St										
Glade St.		240	G			From: Luck St.					0.173	F		260	G	2004
						To: Ainsley St.										
Highland St		280	G			From: Clift St					0.102	F		310	G	2004
						To: Branch St										
Knollwood Place		340	G			From: Mulberry Road					0.11	F	0.573	340	G	2004
						To: River Forest Place										
Oakgrove Ave		240	G			From: Ranson Rd South					0.118	F		260	G	2004
						To: Ranson Rd North										
Randolph Street		260	G			From: Church Street Ext					0.112	F	0.525	260	G	2004
						To: Madison Street										
River Forest Pl		110	G			From: Knollwood Pl					0.121	F		120	G	2004
						To: Morningside La										
Root Trail		400	G			From: Cherokee Trail					0.096	F	0.512	440	G	2004
						To: Corn Tassel Trail										
Spruce St.		3200	G			From: Indian Trail					0.095	F		3500	G	2004
						To: Prospect Hill Dr										