

2003

**Virginia Department of Transportation
Daily Traffic Volume Estimates**

Special Locality Report

136

City of Waynesboro

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

- 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
-  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
 Mobility Management Division
 2003
 Annual Average Daily Traffic Volume Estimates By Section of Route
 City of Waynesboro

Route	Length	AADT	QA	Year	
City of Waynesboro					
East 64	From WCL Waynesboro	0.23	15000	G	2003
	Combined Traffic:	31000	G		
East 64	From US 340	1.95	16000	A	2003
	Combined Traffic:	32000	A		
East 64	From 136-5118 Delphine Ave To 07-624	0.70	13000	G	2003
	Combined Traffic:	26000	G		
West 64	From WCL Waynesboro	0.43	15000	G	2003
	Combined Traffic:	31000	G		
West 64	From US 340	2.15	16000	A	2003
	Combined Traffic:	32000	A		
West 64	From 07-624 Delphine Ave	0.30	14000	G	2003
	Combined Traffic:	26000	G		
250	From WCL Waynesboro	0.84	22000	G	2003
250	From Carman Ave	0.30	24000	G	2003
250	From Hopeman Pkwy	0.67	16000	G	2003
250	From US 340 Rosser Ave	0.25	14000	G	2003
250	From Poplar Ave	0.50	15000	G	2003
250	From Wayne Ave	0.12	12000	G	2003
250	From Arch Ave	0.44	8200	G	2003
250	From US 340 Main St	0.19	14000	G	2003
250	From US 340 Broad St				
250	From US 340 Delphine Ave	1.00	8300	G	2003
250	From Delphine Ave				
250	From Hunter St	0.44	6900	G	2003
250	From ECL Waynesboro				
254	From WCL Waynesboro	1.19	7100	G	2003
254	From Hopeman Pkwy	0.52	7300	G	2003
254	From King Ave	0.30	12000	G	2003
254	From Broad St	0.07	4000	G	2003
254	From Poplar Ave				
254	From Main St				

Route	Length	AADT	QA	Year	
City of Waynesboro					
340	From WCL Waynesboro	0.34	20000	G	2003
340	From I-64	0.56	23000	G	2003
340	From Rosser Ave	0.71	14000	G	2003
340	From Rosser Ave	0.61	12000	G	2003
340	From Rosser Ave	0.56	9000	G	2003
340	From US 250 Main St	0.38	10000	G	2003
340	From Rosser Ave	0.35	8100	G	2003
340	From Main St	0.14	6200	G	2003
340	From Main St	0.39	9100	G	2003
340	From US 250 Broad St	0.19	14000	G	2003
340	From Main St	0.25	12000	G	2003
340	From Delphine Ave	0.60	12000	G	2003
340	From Delphine Ave	0.81	9500	G	2003
340	From Delphine Ave	0.25	9500	G	2003
1	From Kirby St	0.12	340	G	2003
2	From A Street	0.22	1500	G	2003
5100	From Rosser Ave	0.63	4500	G	2003
5100	From Thirteenth St	0.43	2900	G	2003
5101	From Northgate Ave	0.09	800	G	2003
5101	From Davis Rd	0.68	810	G	2003
5103	From Northgate Ave	0.33	2400	G	2003
5103	From Meadowbrook Rd	0.76	3200	G	2003
5104	From Hopeman Pkwy	0.89	9100	G	2003

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Route	Length	AADT	QA	Year
City of Waynesboro				
From: Ivy St				
5104 Hopeman Pkwy	0.96	7900	G	2003
To: King Ave				
From: King Ave				
5104 Hopeman Pkwy	0.58	7600	G	2003
To: Genicom Dr				
From: Genicom Dr				
5104 Hopeman Pkwy	0.29	6500	G	2003
To: Delphine Ave				
From: SWCL Waynesboro				
5105 Lyndhurst Rd	1.61	3100	G	2003
To: Meadowbrook Rd				
From: Meadowbrook Rd				
5105 Lyndhurst Rd	0.65	5800	G	2003
To: Woodrow Ave				
From: Woodrow Ave				
5105 Wayne Ave	0.37	6600	G	2003
To: 13th St				
From: 13th St				
5105 Wayne Ave	0.47	5900	G	2003
To: US 250 Broad St				
From: US 250 Broad St				
5105 Florence Ave	0.83	1800	G	2003
To: Bridge Ave				
From: Dead End				
5106 New Hope Rd	0.59	NA		
To: Hopeman Pkwy				
From: Hopeman Pkwy				
5106 Whitebridge Rd	0.98	980	G	2003
To: NCL Waynesboro				
From: Ivy St				
5107 King Ave	0.62	5800	G	2003
To: Bridge St				
From: Bridge St				
5107 King Ave	0.57	3700	G	2003
To: Hopeman Pkwy				
From: 13th St				
5108 Poplar Ave	0.29	2500	G	2003
To: Main St				
From: Delphine Rd				
5109 Windsor Rd	0.43	4000	G	2003
To: Lyndhurst Rd				
From: Charlotte Ave				
5110 4th Street	0.31	1300	G	2003
To: Delphine Ave				
From: Delphine Ave				
5110 4th Street	0.46	2500	G	2003
To: Jackson Ave				
From: Wayne Ave				
5111 Arch Ave	0.85	2700	G	2003
To: Broad St				
From: Hopeman Pkwy				
5112 Bridge Ave	1.02	2000	G	2003
To: Bath St				
From: Bath St				
5112 Second St	0.24	4600	G	2003
To: Delphine St				
From: Main St				
5113 Charlotte Ave	0.72	3300	G	2003
To: 3rd St				
From: Charlotte Ave				
5113 3rd Street	0.18	1500	G	2003
To: Bath Ave				

Route	Length	AADT	QA	Year
City of Waynesboro				
From: Delphine Ave				
5114 Shenandoah Ave	0.58	890	G	2003
To: Kirby Ave				
From: SCL Waynesboro				
5118 Delphine Ave	1.22	5000	G	2003
To: I-64				
From: I-64				
5118 Delphine Ave	2.25	8900	G	2003
To: Main St US 250				
From: Delphine Ave				
5119 Oak La	1.39	430	G	2003
To: Lyndhurst Ave				
From: Hopeman Pkwy				
5120 Sherwood Rd	0.18	1700	G	2003
To: NCL Waynesboro				
From: White Bridge Rd				
5121 New Hope Rd	0.07	1100	G	2003
To: Guilford La				
From: Guilford La				
5121 Guilford La	0.08	1800	G	2003
To: Ivy St				
From: Rosser Ave				
5122 Lew Dewitt Blvd	1.45	9500	G	2003
To: Main St				
From: 2nd St				
Bath Ave		1600	G	2003
To: 3rd St				
From: 3rd Street				
Bath Avenue		390	G	2003
To: 4th Street				
From: Greenbrier Rd				
Chatham Rd		240	G	2003
To: Sunset Ln				
From: 13th St				
Cherry Ave		200	G	2003
To: 14th St				
From: 12th St				
Chestnut Ave		390	G	2003
To: 13th St				
From: Route 254				
Edward Avenue		350	G	2003
To: Hickory Street				
From: Hemlock St				
Florence Ave		1700	G	2003
To: Bridge Ave				
From: Bader St				
Monticello St		190	G	2003
To: Dead End				