

2003

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

Special Locality Report

110

City of Falls Church

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 - 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 Falls Church

Route	Length	AADT	QA	Year
City of Falls Church				
From: WCL Falls Church				
7 Broad St	0.38	32000	G	2003
To: 110-6749 West St				
7 Broad St	0.93	26000	G	2003
To: US 29 Washington St				
7 Broad St	0.34	23000	G	2003
To: 110-6799 Cherry St				
7 Broad St	0.53	23000	G	2003
To: ECL Falls Church				
From: 29-1717 Marshall St, WCL Falls Church				
29 Washington St	0.29	27000	G	2003
To: 29-1712 Cavalier Trail				
29 Washington St	0.24	24000	G	2003
To: SR 338 Hillwood Ave				
29 Washington St	0.28	19000	G	2003
To: SR 7 Broad St				
29 Washington St	0.18	26000	G	2003
To: 110-6767 Great Falls St				
29 Washington St	0.32	25000	G	2003
To: Arlington County Line				
From: 29-1717 Marshall St, WCL Falls Church				
237 29 Washington St	0.29	27000	G	2003
To: 29-1712 Cavalier Trail				
237 29 Washington St	0.24	24000	G	2003
To: SR 338 Hillwood Ave				
237 29 Washington St	0.28	19000	G	2003
To: SR 7 Broad St				
237 29 Washington St	0.18	26000	G	2003
To: 110-6767 Great Falls St				
237 29 Washington St	0.32	25000	G	2003
To: Arlington County Line				
From: US 29 Washington St				
338 Hillwood Ave	0.10	10000	G	2003
To: 110-6609 Annandale Rd				
338 Hillwood Ave	0.36	10000	G	2003
To: 110-6799 Cherry St				
338 Hillwood Ave	0.45	9000	G	2003
To: 110-6792 South St				
338 Hillwood Ave	0.11	11000	G	2003
To: ECL Falls Church				
From: Falls Church School				
9600 29	0.16	840	R	1991
To: SR 338				
From: Dead End				
1	0.09	NA		
To: 110-6749 West St				
From: 110-40				
2	0.19	NA		
To: 110-34				
From: 29-1706 JB-29-110 SCL FALLS CHURCH				
3	0.26	NA		
To: SR 7				
From: SR 7				
4	0.23	NA		
To: 29-1744 JB-110 NCL FALLS CHURCH				

Route	Length	AADT	QA	Year
City of Falls Church				
From: Cul-de-Sac				
5	0.04	NA		
To: 110-82				
From: SR 7				
6	0.32	NA		
To: 110-18				
From: US 29; 29-1714				
7	0.28	NA		
To: 110-71; 110-73				
From: 110-28				
8	0.06	NA		
To: Dead End				
From: SR 7				
9	0.09	NA		
To: Cul-de-Sac				
From: 29-1704 JB-29-110 SCL FALLS CHURCH				
10	0.09	NA		
To: 110-3				
From: 110-38				
11	0.09	NA		
To: 110-19				
From: 110-6767 Great Falls St				
12	0.13	NA		
To: 110-51 SOUTH				
From: 110-51 NORTH				
12	0.06	NA		
To: SR 110 Cul-de-Sac ECL FALLS CHURCH00-ARL				
From: SR 338				
13	0.12	NA		
To: 110-15				
From: 29-1766; 29-2378; 110-19 JB-29-11				
14	0.37	NA		
To: 110-6749 WEST				
From: 110-6749 EAST				
14	0.13	NA		
To: 110-32				
From: US 29				
15	0.47	NA		
To: 110-6799 Cherry St				
From: SR 7				
16	0.12	NA		
To: Dead End				
From: Cul-de-Sac				
17	0.06	NA		
To: 110-6795				
From: 110-86				
18	0.29	NA		
To: 110-6794				
From: 110-6749 West St				
19	0.15	NA		
To: 29-1766; 29-2378; 110-14 JB-29-11				
From: 110-76				
20	0.26	NA		
To: 110-61				
From: 110-49				
21	0.06	NA		
To: Dead End				

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 City of Falls Church

Route	Length	AADT	QA	Year
City of Falls Church				
From: US 29; 29-1716				
(22)	0.24	NA		
To: 110-71				
From: 110-74				
(23)	0.06	NA		
To: 110-49				
From: 110-63				
(24)	0.10	NA		
To: 110-69				
From: JB-29-110 GORDONS ROAD WCL FALLS				
(25)	0.15	NA		
To: SR 7				
From: US 29; 29-1715				
(26)	0.27	NA		
To: 110-71				
From: 110-6774 Lincoln Ave				
(27) Greenwich St	0.18	290	G	2003
To: 110-6749 N West St				
From: 29-1747 JB-29-110 NCL Falls Church				
(27) Greenwich St	0.07	NA		
To: 110-6749 West St				
From: 29-1745; 110-77 JB-110 NCL FALLS CHU				
(28)	0.29	NA		
To: 110-87				
From: 110-6609 Annandale Rd				
(29)	0.15	NA		
To: Cul-de-Sac				
From: 110-87				
(30)	0.10	NA		
To: 110-749 West St				
From: 110-6749 West St				
(31)	0.16	NA		
To: 29-2318 JB-29-110 NCL FALLS CHURCH				
From: 110-59				
(32)	0.13	NA		
To: 110-14				
From: 110-34 SOUTH				
(33)	0.33	NA		
To: 110-34 NORTH				
From: US 29				
(34)	0.35	NA		
To: 110-80 WEST				
From: 110-80 EAST				
(34)	0.25	NA		
To: 110-59				
From: 110-29				
(35)	0.18	NA		
To: Cul-de-Sac				
From: 110-49				
(36)	0.06	NA		
To: Cul-de-Sac				
From: Cul-de-Sac				
(37)	0.10	NA		
To: 110-6799 Cherry St				
From: 110-6749 West St				
(38)	0.09	NA		
To: 29-2377 JB-110 NCL FALLS CHURCH				

Route	Length	AADT	QA	Year
City of Falls Church				
From: Cul-de-Sac				
(39)	0.20	NA		
To: 110-14				
From: 110-80				
(40)	0.15	NA		
To: 110-76				
From: 110-12				
(41)	0.07	NA		
To: Cul-de-Sac				
From: 29-2337 JB-29-110 WCL FALLS CHURCH				
(42)	0.22	NA		
To: 110-6749 West St				
From: SR 7				
(43)	0.27	NA		
To: 110-6794				
From: 110-76				
(44)	0.05	NA		
To: Cul-de-Sac				
From: 110-6795				
(45)	0.56	NA		
To: Dead End				
From: 29-1705 JB-29-110 SCL FALLS CHURCH				
(46)	0.03	NA		
To: SR 338				
From: Dead End				
(47)	0.03	NA		
To: 110-64				
From: 110-64				
(48)	0.21	NA		
To: 110-14				
From: US 29				
(49)	0.81	NA		
To: 110-6794(B)/				
From: 29-1707 JB-29-110 SCL FALLS CHURCH				
(50)	0.03	NA		
To: SR 338				
From: 110-6774 Lincoln Ave				
(51)	0.15	NA		
To: JB--110 NCL FALLS CHURCH				
From: 110-54				
(52)	0.20	NA		
To: N. FAIRFAX STREET				
From: Dead End				
(53)	0.01	NA		
To: 29-5171 JB-29-110 WCL FALLS CHURCH				
From: SR 7				
(54)	0.29	NA		
To: 110-6794				
From: 110-12				
(55)	0.10	NA		
To: Cul-de-Sac				
From: 110-16				
(56)	0.16	NA		
To: 110-4				
From: 110-6749 West St				
(57)	0.88	NA		
To: US 29				

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 City of Falls Church

Route	Length	AADT	QA	Year
City of Falls Church				
From: US 29				
(58) To: Cul-de-Sac	0.07	NA		
From: 110-6795				
(59) To: 110-6749 EAST	0.43	NA		
From: 110-6749 WEST				
(59) To: 110-14	0.13	NA		
From: 110-59				
(60) To: 110-14	0.14	NA		
From: SR 7				
(61) To: 110-6767 Great Falls St	0.33	NA		
From: 110-6774 Lincoln Ave				
(62) To: 110-31	0.10	NA		
From: Cul-de-Sac				
(63) To: 110-6749 EAST	0.63	NA		
From: 110-6749 WEST				
(63) To: 29-2612 JB-29-110 WCL FALLS CHURCH	0.04	NA		
From: 110-6749 West St				
(64) To: 110-34	0.28	NA		
From: 110-6792 WEST				
(65) To: 110-6792 EAST	0.14	NA		
From: 110-87				
(66) To: 110-6767 Great Falls St	0.22	NA		
From: 110-63 Poplar Drive				
(67) Robinson Place To: 110-69 Rosemary Lane	0.11	120	G	2003
From: Dead End				
(68) To: 110-87 SOUTH	0.09	NA		
From: 110-87 NORTH				
(68) To: Dead End	0.14	NA		
From: US 29				
(69) To: 110-71	0.28	NA		
From: Cul-de-Sac				
(70) To: 110-71	0.04	NA		
From: 110-63				
(71) To: 110-7; 110-73	0.46	NA		
From: 29-1703 JB-29-110 SCL FALLS CHURCH				
(72) To: SR 338	0.03	NA		
From: 110-7; 110-71				
(73) To: 110-87	0.22	NA		

Route	Length	AADT	QA	Year
City of Falls Church				
From: Dead End				
(74) To: 110-23	0.09	NA		
From: 110-76				
(75) To: Cul-de-Sac	0.04	NA		
From: 110-63				
(76) To: 110-6774 Lincoln Ave	0.88	NA		
From: 110-56				
(77) To: 29-1745; 110-28 JB-110 NCL FALLS CHU	0.13	NA		
From: 110-6774 Lincoln Ave				
(78) To: 29-2375 JB-29-110 NCL FALLS CHURCH	0.06	NA		
From: 110-6792; Gap				
(79) To: 110-00093(B)/	0.15	NA		
From: 29-1777 JB-29-110 WCL FALLS CHURCH				
(80) To: 110-6795	0.45	NA		
From: 110-63				
(81) To: 110-69	0.11	NA		
From: 110-6792				
(82) To: 3--110 N. TUCKAHOE STREET NCL FALLS CH	0.24	NA		
From: 110-6 SOUTH				
(83) To: 110-6 NORTH	0.19	NA		
From: 110-93; Gap				
(84) To: 110-6794	0.14	NA		
From: 110-86				
(85) To: 110-6794	0.30	NA		
From: 110-6				
(86) To: Dead End	0.26	NA		
From: Cul-de-Sac				
(87) To: 110-57 EAST	0.46	NA		
From: 110-57 WEST				
(87) To: 110-6767 Great Falls St	0.21	NA		
From: 110-6774 Lincoln Ave				
(88) To: Cul-de-Sac	0.04	NA		
From: 110-6774 Lincoln Ave				
(89) To: 110-31	0.10	NA		
From: 29-2331 JB-29-110 WCL FALLS CHURCH				
(90) To: Cul-de-Sac	0.10	NA		
From: US 29; 29-1713				
(91) To: W WESTMORELAND ROAD	0.18	NA		

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 City of Falls Church

Route	Length	AADT	QA	Year
City of Falls Church				
From: NCL Falls Church				
92 Yucatan St	0.02	NA		
To: 110-6774 Lincoln Ave				
From: 110-85				
93	0.14	NA		
To: JB--110; 11TH STREET ECL FALLS CHURCH				
From: SCL Falls Church, 29-649				
6609 Annandale Rd	0.13	NA		
To: US 29 Washington Highway				
From: US 29 Washington St				
6609 Annandale Rd	0.35	5800	G	2003
To: SR 7				
From: 29-613 Wilson Blvd, SCL Falls Church				
6682 Roosevelt Blvd	0.35	20000	G	2003
To: 110-6729 Roosevelt St				
From: 110-6792				
6682 Roosevelt St	0.05	21000	G	2003
To: 00-6682 NCL Falls Church				
From: WCL Falls Church, 29-705				
6749 West St	0.12	5700	G	2003
To: Poplar Drive				
From: Parker St				
6749 West St	0.29	5900	G	2003
To: SR 7 Broad St				
From: SR 7 Broad St				
6749 West St	0.53	4800	G	2003
To: 110-6767 Great Falls St				
From: 110-6767 Great Falls St				
6749 West St	0.01	4100	G	2003
To: NCL Falls Church, 29-1794 Brily Place				
From: 110-43 Lawton St				
6767 Great Falls St	0.11	NA		
To: US 29 Washington St				
From: US 29 Washington St				
6767 Great Falls St	0.19	4400	G	2003
To: Little Falls St				
From: Little Falls St				
6767 Great Falls St	0.35	5800	G	2003
To: 110-6774 Lincoln Ave				
From: 110-6774 Lincoln Ave				
6767 Great Falls St	0.24	6500	G	2003
To: NCL Falls Church, 29-694				
From: 110-78 Sycamore St				
6774 Lincoln Ave	0.19	170	G	2003
To: 110-6749 West St N				
From: 110-6749 West St				
6774 Lincoln Ave	0.11	2300	G	2003
To: Spring Street				
From: Spring Street				
6774 Lincoln Ave	0.30	3000	G	2003
To: 110-6767 Great Falls St				
From: 110-6767 Great Falls St				
6774 Lincoln Ave	0.31	4000	G	2003
To: Arlington CL, -6774 Fairfax Drive				
From: SCL Falls Church, 29-1702				
6792 South St	0.02	3500	G	2003
To: SR 338 Hillwood Ave				
From: SR 338 Hillwood Ave				
6792 South St	0.07	4500	G	2003
To: SR 7 Broad St				
From: SR 7 Broad St				
6792 Roosevelt St	0.26	3200	G	2003
To: Tuckahoe St				

Route	Length	AADT	QA	Year
City of Falls Church				
From: Tuckahoe St				
6792 Roosevelt St	0.07	3000	G	2003
To: 110-6682 Sycamore St				
From: 110-79; Gap				
6792	0.05	2900	G	2003
To: 110-6682				
From: Cul-de-Sac				
6794 Columbia St W	0.26	2900	G	2003
To: US 29 Washington St				
From: US 29 Washington St				
6794 Columbia St	0.20	3100	G	2003
To: 110-6799 Cherry St				
From: 110-6799 Cherry St				
6794 Columbia St	0.40	2900	G	2003
To: Arlington CL, -6794 16th St				
From: US 29, SCL Falls Church, 29-1717				
6795 Marshall St	0.26	1000	G	2003
To: Seaton Lane				
From: Seaton Lane				
6795 S Oak St	0.18	1700	G	2003
To: Timber Lane				
From: Timber Lane				
6795 S Oak St	0.28	1500	G	2003
To: SR 7 Broad St				
From: SR 7 Broad St				
6795 N Oak St	0.28	1600	G	2003
To: 110-6774 Lincoln Ave				
From: 110-6774 Lincoln Ave				
6795 Oak St N	0.12	1200	G	2003
To: 110-6749 West St E				
From: 110-6749 West St N				
6795 N Oak Street	0.11	760	G	2003
To: 29-1746; NCL Falls Church				
From: SR 7 Broad St				
6797 Little Falls St	0.21	3500	G	2003
To: 110-6767 Great Falls St				
From: 110-6767 Great Falls St				
6797 Little Falls St	0.30	2700	G	2003
To: Arlington CL, -6797				
From: SCL Falls Church				
6799 Cherry St	0.03	2000	G	2003
To: SR 338 Hillwood Ave				
From: SR 338 Hillwood Ave				
6799 Cherry St	0.15	1600	G	2003
To: SR 7 Broad St				
From: SR 7 Broad St				
6799 Cherry St	0.26	2100	G	2003
To: Columbia St				
From: Columbia St				
6799 Cherry St	0.09	1000	G	2003
To: 110-37 Jefferson St				