2005
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
210

Town of Dublin

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 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

Frontage Road (F precedes frontage route number)

Secondary Route

Special Routes

Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
Wye - 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 Maintainenance 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
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: WCL Dublin															
11 Broad St	Town of Dublin (Maint: 77)	0.16	**14000**	**N**	98%	1%	0%	0%	0%	0%	N	0.096	N	0.521	14000	N
	To: SR 100 Oakwood Ave															
	From: SR 100 Oakwood Ave															
11 Broad St	Town of Dublin (Maint: 77)	0.97	**15000**	**F**	98%	0%	0%	1%	1%	0%	F	0.087	F	0.512	16000	F
	To: ECL Dublin															
	From: SCL Dublin															
100	Town of Dublin (Maint: 77)	0.51	**18000**	**N**	96%	0%	0%	1%	2%	0%	N	0.087	N	0.563	20000	N
	To: US 11 Dublin															
	From: US 11 Dublin															
100	Town of Dublin (Maint: 77)	0.21	**5600**	**G**	96%	0%	0%	1%	2%	0%	F	0.096	N	0.713	6000	G
	To: NCL Dublin															

Virginia Department of Transportation
Traffic Engineering Division
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin																
632 77 Dunlap Rd	0.11	**590**	**R**								NA			NA		03/26/2002
From: 77-747 Old Route 11																
To: 77-1032																
632 77 Dunlap Rd	0.06	**500**	**R**								NA			NA		03/28/2002
From: 77-1007 Kerry St																
To: 77-9927																
632 77 Dunlap Rd	0.12	**350**	**R**								NA			NA		03/28/2002
From: 77-1031																
To: 77-1035																
632 77 Dunlap Rd	0.02	**420**	**R**								NA			NA		03/28/2002
From: 77-1038																
To: ECL Dublin																
632 77 Dunlap Rd	0.06	**400**	**R**								NA			NA		03/28/2002
From: ECL Dublin																
To: 77-1005 Maple St																
633 77 Powell Ave	0.03	**700**	**R**								NA			NA		03/20/2002
From: 77-1005 Maple St																
To: NCL Dublin																
633 77 Powell Ave	0.06	**700**	**R**								NA			NA		03/20/2002
From: SCL Dublin																
To: SR 100																
635 77 Baskerville St	0.06	**600**	**R**								NA			NA		03/20/2002
From: SR 100																
To: 77-747 Old Route 11																
635 77 Baskerville St	0.05	**450**	**R**								NA			NA		03/28/2002
From: 77-1006 Locust St																
To: 77-632 Dunlap Rd																
688 77 Dunlap Ave	0.13	**330**	**R**								NA			NA		1995
From: Dead End																
To: 77-747 Old Route 11																
689 77	0.24	**130**	**R**								NA			NA		03/26/2002
From: 77-707																
To: 77-1012 Walker Ave																
706 77	0.12	**30**	**R**								NA			NA		03/26/2002
From: 77-1011 West Ave																
To: 77-706																
707 77	0.07	**100**	**R**								NA			NA		03/26/2002
From: 77-706																
To: 77-1012																
707 77	0.06	**80**	**R**								NA			NA		03/26/2002
From: 77-747																
To: US 11																
746 77 Old Giles Rd	0.08	**2900**	**F**	96%	3%	1%	1%	0%	0%	F	0.109	F	0.608	3000	F	2005
From: US 11																
To: 77-1005																
746 77 Old Giles Rd	0.15	**3000**	**F**	96%	3%	1%	1%	0%	0%	C	0.124	F	0.589	3100	F	2005
From: 77-1005																
To: NCL Dublin																
746 77 Old Giles Rd	0.28	**2500**	**F**	96%	3%	1%	1%	0%	0%	F	0.137	F	0.557	2600	F	2005
From: SR 100																
To: 77-746 Old Giles Rd																
747 77 Old Route 11	0.65	**1600**	**R**								NA			NA		03/26/2002
From: 77-746																
To: NCL Dublin																
747 77 Old Route 11	0.50	**1700**	**F**	98%	1%	1%	0%	0%	0%	C	0.121	F	0.525	1800	F	2005
From: 77-1002																
To: 77-1004 WEST																
1001 77 Fifth St	0.12	**280**	**R**								NA			NA		1986

Virginia Department of Transportation
Traffic Engineering Division
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Length	AADT	QA	4Tire	Bus	Truck: 2Axle	Truck: 3+Axle	Truck: 1Trail	Truck: 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin																
1001 77	0.02	**300**	**R**								NA			NA		1986
From: 77-1004 WEST To: 77-1004 EAST																
1001 77	0.08	**430**	**R**								NA			NA		1995
From: 77-1004 EAST To: 77-746 Old Giles Rd																
1002 77	0.07	**480**	**R**								NA			NA		1995
From: 77-1003 Fourth St To: 77-1001 Fifth St																
1002 77	0.05	**250**	**R**								NA			NA		1986
From: 77-1001 Fifth St To: 77-1009																
1003 77 Fourth St	0.05	**810**	**R**								NA			NA		1995
From: SR 100 Clebone Rd To: 77-1002																
1003 77	0.13	**420**	**R**								NA			NA		1986
From: 77-1002 To: 77-1004																
1004 77 Trinkle Ave	0.09	**760**	**R**								NA			NA		1986
From: US 11 Broad St To: 77-1013																
1004 77	0.07	**600**	**R**								NA			NA		1986
From: 77-1013 To: 77-1005 Third St																
1004 77	0.08	**550**	**R**								NA			NA		1995
From: 77-1005 Third St To: 77-1003																
1004 77	0.08	**290**	**R**								NA			NA		1986
From: 77-1003 To: 77-1001																
1004 77	0.04	**810**	**R**								NA			NA		1995
From: 77-1001 Fifth St To: 77-1009																
1005 77 Third St	0.13	**220**	**R**								NA			NA		1986
From: Dead End To: 77-1004																
1005 77 Third St	0.08	**600**	**R**								NA			NA		1995
From: 77-1004 To: 77-746 Old Giles Rd																
1005 77 Maple St	0.12	**1400**	**R**								NA			NA		1995
From: 77-746 Old Giles Rd To: 77-1023																
1005 77	0.01	**960**	**R**								NA			NA		1986
From: 77-1023 To: 77-1015																
1005 77 Maple St	0.15	**1100**	**R**								NA			NA		1995
From: 77-1015 To: 77-1033 Black Ave																
1005 77	0.10	**840**	**R**								NA			NA		1986
From: 77-1033 Black Ave To: 77-1016																
1005 77	0.02	**1000**	**R**								NA			NA		1995
From: 77-1016 To: 77-1083 Hanks Ave																
1005 77	0.13	**700**	**R**								NA			NA		1986
From: 77-1083 Hanks Ave To: 77-1024 Mebane Ave																
1005 77 Maple St	0.08	**620**	**R**								NA			NA		1986
From: 77-1024 Mebane Ave To: 77-633 Powell Ave																
1006 77 Locust St	0.06	**240**	**R**								NA			NA		1995
From: 77-688 Dunlap Ave To: 77-1007 SOUTH																
1006 77	0.02	**440**	**R**								NA			NA		1986
From: 77-1007 SOUTH To: 77-1007 NORTH																
1006 77	0.08	**500**	**R**								NA			NA		1995
From: 77-1007 NORTH To: Dead End																

Virginia Department of Transportation
Traffic Engineering Division
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin																
1007 77	0.10	**340**	**R**								NA			NA		1986
From: 77-1011																
To: 77-1012																
1007 77	0.03	**520**	**R**								NA			NA		1986
From: 77-1034 Vaughan Ave																
To: 77-1010 Dunbar Ave																
1007 77	0.07	**690**	**R**								NA			NA		1995
From: 77-1010 Dunbar Ave																
To: 77-1006 Locust St																
1007 77	0.21	**500**	**R**								NA			NA		1986
From: 77-1006																
To: 77-1008 Galway St																
1007 77 Kerry St	0.04	**320**	**R**								NA			NA		1986
From: 77-632 Dunlap Rd																
To: 77-1031																
1007 77	0.10	**130**	**R**								NA			NA		1986
From: 77-1035																
To: 77-1038																
1007 77	0.06	**210**	**R**								NA			NA		1986
From: 77-688 Dunlap Ave																
To: 77-1007 Kerry St																
1008 77 Galway St	0.09	**80**	**R**								NA			NA		1995
From: 77-1002																
To: 77-1004																
1009 77	0.12	**200**	**R**								NA			NA		1995
From: SCL Dublin																
To: 77-1007																
1010 77	0.13	**280**	**R**								NA			NA		1995
From: 77-1007																
To: 77-747 Old Route 11																
1010 77 Dunbar Ave	0.15	**750**	**R**								NA			NA		1995
From: 77-747 Old Route 11																
To: 77-707																
1011 77 West Ave	0.03	**600**	**R**								NA			NA		1995
From: 77-707																
To: 77-1007																
1011 77	0.05	**430**	**R**								NA			NA		1986
From: 77-1007																
To: 77-707																
1012 77	0.03	**270**	**R**								NA			NA		1986
From: 77-707																
To: 77-706																
1012 77	0.06	**280**	**R**								NA			NA		1995
From: 77-706																
To: 77-747 Old Route 11																
1012 77 Walker Ave	0.08	**370**	**R**								NA			NA		1986
From: 77-1004 Trinkle Ave																
To: 77-746 Old Giles Rd																
1013 77	0.08	**150**	**R**								NA			NA		1995
From: US 11 Broad St																
To: 77-1015																
1014 77 Church St	0.10	**410**	**R**								NA			NA		1995
From: 77-1015																
To: 77-1016																
1014 77 Church St	0.23	**240**	**R**								NA			NA		1995
From: 77-1014 Church St																
To: 77-1022																
1015 77	0.06	**300**	**R**								NA			NA		1995

Virginia Department of Transportation
Traffic Engineering Division
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Length	AADT	QA	4Tire	Bus	Truck: 2Axle	Truck: 3+Axle	Truck: 1Trail	Truck: 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin																
1015 77	0.09	**190**	**R**								NA			NA		1995
From: 77-1022																
To: 77-1005 Maple St																
1016 77	0.06	**600**	**R**								NA			NA		1995
From: 77-1014 Church St																
To: 77-1022																
1016 77	0.09	**350**	**R**								NA			NA		1995
From: 77-1022																
To: 77-1005																
1022 77	0.10	**90**	**R**								NA			NA		1995
From: Dead End																
To: 77-1015																
1022 77	0.24	**160**	**R**								NA			NA		1995
From: 77-1015																
To: 77-1016																
1023 77	0.10	**500**	**R**								NA			NA		1995
From: 77-1005 Maple St																
To: 77-1049																
1023 77	0.05	**200**	**R**								NA			NA		1995
From: 77-1049																
To: 77-1025																
1024 77 Mebane Ave	0.04	**290**	**R**								NA			NA		1995
From: 77-1005 Maple St																
To: 77-1049																
1024 77 Mebane Ave	0.04	**240**	**R**								NA			NA		1995
From: 77-1049																
To: NCL Dublin																
1025 77	0.05	**270**	**R**								NA			NA		1995
From: Dead End																
To: 77-1023																
1026 77 Hawkins St	0.07	**850**	**R**								NA			NA		11/30/2005
From: WCL Dublin																
To: SR 100																
1026 77 Hawkins St	0.07	**980**	**R**								NA			NA		1986
From: SR 100																
To: 77-747 Old Route 11																
1031 77	0.12	**260**	**R**								NA			NA		1986
From: 77-632 Dunlap Rd																
To: 77-1007																
1031 77	0.06	**360**	**R**								NA			NA		1995
From: 77-1007																
To: 77-1032																
1031 77	0.04	**570**	**R**								NA			NA		1986
From: 77-1032																
To: 77-1037																
1031 77 Zeiglar Ave	0.08	**460**	**R**								NA			NA		1995
From: 77-1037																
To: 77-747 Old Route 11																
1032 77	0.10	**40**	**R**								NA			NA		1995
From: 77-632 Dunlap Rd																
To: 77-1031																
1033 77 Black Ave	0.05	**30**	**R**								NA			NA		1995
From: 77-1022																
To: 77-1005 Maple St																
1034 77 Vaughan Ave	0.05	**540**	**N**								NA			NA		1986
From: SCL Dublin																
To: 77-1050																
1034 77 Vaughan Ave	0.09	**650**	**R**								NA			NA		1995
From: 77-1050 Armstrong St																
To: 77-1007																
1035 77	0.11	**120**	**R**								NA			NA		1995
From: 77-632 Dunlap Rd																
To: 77-1007																

Virginia Department of Transportation
Traffic Engineering Division
2005
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Dublin

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin																
1035 77	0.15	**100**	From: 77-1007 **R** To: 77-1037								NA			NA		1995
1037 77	0.07	**NA**	From: 77-632 Dunlap Rd To: 77-1031 Zeiglar Ave								NA			NA		
1037 77	0.08	**120**	From: 77-1031 Zeiglar Ave **R** To: 77-1035								NA			NA		1995
1037 77	0.07	**150**	From: 77-1035 **R** To: 77-1038								NA			NA		1986
1038 77	0.11	**140**	From: 77-632 Dunlap Rd **R** To: 77-1007								NA			NA		1995
1038 77	0.17	**190**	From: 77-1007 **R** To: 77-1037								NA			NA		1986
1049 77	0.25	**200**	From: 77-1023 **R** To: 77-1083 Hanks Ave								NA			NA		1995
1049 77	0.15	**120**	From: 77-1083 Hanks Ave **R** To: 77-1024 Mebane Ave								NA			NA		1995
1050 77	Armstrong St 0.13	**430**	From: SCL Dublin **R** To: SCL Dublin								NA			NA		1993
1083 77	Hanks Ave 0.07	**400**	From: 77-1005 **R** To: 77-1049								NA			NA		1986
1083 77	Hanks Ave 0.06	**370**	From: 77-1049 **R** To: NCL Dublin; Gap								NA			NA		1986
1090 77	Locust Ave Extension 0.13	**610**	From: SCL Dublin **R** To: 77-688; 77-1006								NA			NA		03/28/2002
1094 77	Pine St 0.02	**NA**	From: 77-1023 To: Dead End								NA			NA		
1097 77	Dublin Park Rd 0.04	**1600**	From: SR 100; 77-682 Newbern Rd **R** To: 77-1098 Town Center Dr								NA			NA		1999
1097 77	Dublin Park Rd 0.11	**350**	From: 77-1098 Town Center Dr **R** To: Dead End								NA			NA		1999
1098 77	Town Center Dr 0.09	**940**	From: 77-682 Newbern Rd **R** To: 77-1097 Dublin Park Rd								NA			NA		1999
1098 77	Town Center Dr 0.18	**1000**	From: 77-1097 Dublin Park Rd **R** To: SR 100								NA			NA		1999
9346 77	0.05	**170**	From: 77-1004 **R** To: 77-1001								NA			NA		1986
9346 77	0.09	**160**	From: 77-1001 **R** To: 77-746								NA			NA		1986
9520 77	0.24	**710**	From: 77-746 Old Giles Rd **R** To: Dublin High School								NA			NA		1991
9927 77	0.26	**1200**	From: Dublin Mid School **R** To: 77-632 Dunlap Rd								NA			NA		1991