

2002

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

where available

Special Locality Report

117

City of Lexington

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

Peak Hour: The estimate of the traffic volume for the 30th highest traffic volume occurring in a one-year period divided by the AADT for the same one-year period.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During 12 Months of Continuous Traffic Data
- B Factor based on 30th Highest Hour Observed During Less than 12 Months 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 30th Highest 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
 2002
 Annual Average Daily Traffic Volume Estimates By Section of Route
 City of Lexington

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year	
						2Axle	3+Axle	1Trail	2Trail								
City of Lexington																	
11	0.59	9400	G	93%	1%	From: SCL Lexington				C	0.09	F	0.518	9800	G	2002	
						To: Main St											
11	0.04	9400	G	93%	1%	From: Main St				F	0.088	F	0.515	9800	G	2002	
						To: Bus US 11											
11	0.08	17000	G	95%	1%	From: Bus US 11				F	0.092	F	0.52	18000	G	2002	
						To: NCL Lexington											
Bus 11	Main St	0.39	3500	G	97%	1%	From: SCL Lexington				C	0.100	F	0.608	3600	G	2002
							To: Thornhill Rd										
Bus 11	Main St	0.16	5800	G	97%	1%	From: Thornhill Rd				F	0.096	F	0.651	6100	G	2002
							To: Wallace St										
Bus 11	Main St	0.31	5400	G	97%	1%	From: Wallace St				F	0.103	F	0.661	5600	G	2002
							To: White St										
Bus 11	Main St	0.31	3600	G	98%	0%	From: White St				F	0.115	F	0.557	3800	G	2002
							Combined Traffic:		6300	G							
Bus 11	Main St	0.24	5700	G	98%	0%	From: Nelson St				F	0.082	F	5900	G	2002	
							Combined Traffic:		13000	G							
Bus 11	Main St	0.37	8300	G	98%	0%	From: Jefferson St				F	0.084	F	0.558	8600	G	2002
							To: Letcher St										
Bus 11	Main St	0.34	8700	G	98%	0%	From: Letcher St				C	0.084	F	0.515	9000	G	2002
							To: US 11										
Bus 11	Main St	0.35	2700	G	98%	0%	From: Bus US 11 Main St				C	0.122	F	2700	G	2002	
							Combined Traffic:		16000	G							
Bus 11	Main St	0.24	4600	G	98%	0%	From: US 60 Nelson St				C	0.108	F	4600	G	2002	
							Combined Traffic:		10000	G							
60	Nelson Street	0.25	4400	G	97%	1%	From: WCL Lexington				C	0.081	F	0.641	4600	G	2002
							To: Woods Creek										
60	Nelson Street	0.33	7700	G	97%	1%	From: Woods Creek				F	0.083	F	0.542	8000	G	2002
							To: Glasgow Street										
60	Nelson Street	0.14	8300	G	97%	1%	From: Glasgow Street				F	0.081	F	0.526	8600	G	2002
							To: Lee Street										
60	Nelson Street	0.17	8000	G	96%	0%	From: Lee Street				F	0.077	F	0.505	8300	G	2002
							To: Randolph Street										
60	Nelson Street	0.21	11000	G	96%	0%	From: Randolph Street				F	0.086	F	0.547	12000	G	2002
							To: Lewis Street										
60	Nelson Street	0.35	11000	G	96%	0%	From: Lewis Street				C	0.088	F	0.582	11000	G	2002
							To: ECL Lexington										
251	Thornhill Rd	0.38	4700	G	95%	1%	From: McCormick Ave				C	0.103	F	0.636	4900	G	2002
							To: Link Rd										
251	Link Rd	0.24	4200	G	95%	1%	From: Thornhill Rd				F	0.101	F	0.641	4300	G	2002
							To: Main St										

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						2Axle	3+Axle	1Trail	2Trail							
City of Lexington																
① Diamond St	0.36	1500	G	96%	0%	1%	2%	0%	0%	C	0.144	F	0.556	1500	G	2002
				From: Lewis St												
				To: Main St												
② Lee St	0.08	2000	G	98%	0%	1%	1%	0%	0%	C	0.106	F	0.604	2000	G	2002
				From: Nelson St												
				To: Washington St												
④251 Thornhill Rd	0.38	2100	G	98%	0%	0%	1%	0%	0%	C	0.099	F	0.639	2100	G	2002
				From: Link Rd												
				To: Main St												
④252 Enfield Rd	0.43	1300	G	97%	0%	1%	1%	0%	0%	F	0.103	F	0.595	1300	G	2002
				From: WCL Lexington												
				To: Lime Kiln Rd												
④252 Lime Kiln Rd	0.32	1800	G	97%	0%	1%	1%	0%	0%	C	0.100	F	0.775	1900	G	2002
				From: Enfield Rd												
				To: McLaughlin St												
④254 Ross Rd	0.31	900	G	99%	0%	1%	0%	0%	0%	F	0.114	F	0.648	940	G	2002
				From: WCL Lexington												
				To: Jackson Ave												
④254 Jackson Ave	0.27	2000	G	99%	0%	1%	0%	0%	0%	C	0.127	F	0.878	2100	G	2002
				From: Ross Rd												
				To: White St												
④255 Houston St	0.40	2200	G	97%	0%	1%	2%	0%	0%	C	0.103	F	0.554	2300	G	2002
				From: SCL Lexington												
				To: Taylor St												
④255 Houston St	0.15	2400	G	97%	0%	1%	2%	0%	0%	F	0.096	F	0.529	2500	G	2002
				From: Taylor St												
				To: Main St												
④256 McDowell St	0.05	590	G	96%	0%	1%	1%	0%	0%	C	0.141	F	0.816	620	G	2002
				From: Main St												
				To: Jefferson St												
④257 Walker St	0.40	2500	G	96%	1%	1%	2%	0%	0%	C	0.104	F	0.517	2600	G	2002
				From: Houston St												
				To: Nelson St												
④258 Preston St	0.05	1900	G	96%	0%	1%	2%	1%	0%	C	0.104	F	0.549	2000	G	2002
				From: Main St												
				To: Jefferson St												
④260 Henry St	0.05	1200	G	98%	0%	1%	1%	0%	0%	C	0.093	F	0.536	1200	G	2002
				From: Main St												
				To: Jefferson St												
④261 Lewis St	0.08	3500	G	98%	0%	1%	1%	0%	0%	C	0.101	F	0.508	3700	G	2002
				From: Nelson St												
				To: Washington St												
④261 Washington St	0.30	3800	G	98%	0%	1%	1%	0%	0%	F	0.091	F	0.503	3900	G	2002
				From: Lewis St												
				To: Main St												
④261 Washington St	0.06	4800	G	98%	0%	1%	1%	0%	0%	F	0.088	F	0.517	5000	G	2002
				From: Main St												
				To: Jefferson St												
④261 Washington St	0.06	5300	G	98%	0%	1%	1%	0%	0%	F	0.089	F	0.565	5500	G	2002
				From: Jefferson St												
				To: Lee St												
④261 Washington St	0.21	4300	G	98%	0%	1%	1%	0%	0%	F	0.088	F	0.567	4500	G	2002
				From: Lee St												
				To: Nelson St												
④262 Borden Rd	0.34	720	G	96%	0%	1%	2%	0%	0%	C	0.11	F	0.667	750	G	2002
				From: WCL Lexington												
				To: Nelson St												
④263 Lewis St	0.33	1300	G	98%	0%	1%	0%	0%	0%	C	0.133	F	0.511	1400	G	2002
				From: Washington St												
				To: Diamond St												

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						2Axle	3+Axle	1Trail	2Trail							
City of Lexington																
4266 Spottswood Dr	0.40	2200	G	From:	Houston St				C	0.099	F	0.5	2300	G	2002	
				To:	Nelson St											
4267 White St	0.18	900	G	From:	Jefferson St				F	0.129	F	940	G	2002		
				To:	McLaughlin St											
4267 McLaughlin St	0.28	2000	G	From:	White St				C	0.097	F	0.579	2000	G	2002	
				To:	Glasgow St											
4267 Glasgow St	0.06	1100	G	From:	McLaughlin St				C	0.098	F	0.537	1200	G	2002	
				To:	Nelson St											
Edmondson Ave		200	G	From:	Jackson Ave					0.153	F	0.559	200	G	2002	
				To:	Main St											
Taylor St		1400	G	From:	Wallace St					0.104	F	0.528	1500	G	2002	
				To:	Houston St											
Tucker St		240	G	From:	Washington St					0.104	F	250	G	2002		
				To:	Massie St											