

2002

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

Special Locality Report

132

City of Staunton

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



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
 2002
 Annual Average Daily Traffic Volume Estimates By Section of Route
 City of Staunton

Route	Length	AADT	QA	Year
City of Staunton				
From: SCL Staunton				
11 Greenville Ave	0.68	18000	G	2002
To: SR 261 Statler Blvd				
11 Greenville Ave	0.50	16000	G	2002
To: Hampton St				
11 Greenville Ave	0.32	12000	G	2002
To: US 250 Richmond Rd				
From: US 250 Augusta St				
11 Commerce Rd	0.07	19000	G	2002
To: US 250, SR 254				
11 Commerce Rd	0.68	3100	G	2002
To: SR 254				
11 Commerce Rd	0.15	3300	G	2002
To: SR 261				
11 Commerce Rd	1.25	6600	G	2002
To: Bells Lane				
11 Commerce Rd	0.67	5900	G	2002
To: US 11 BUS				
11 Commerce Rd	0.49	14000	G	2002
To: SR 275				
11 Commerce Rd	0.88	15000	G	2002
To: NCL Staunton				
Bus From: US 11, SR 254 NEW ST				
11 250 Johnson St	0.18	12000	G	2002
To: AUGUSTA ST				
Bus From: JOHNSON ST				
11 250 New St	0.14	2400	G	2002
Combined Traffic:		8900	G	
To: FREDERICK ST				
Bus From: FREDERICK ST				
11 250 New St	0.36	890	G	2002
Combined Traffic:		4200	G	
To: CHURCHVILLE AVE				
Bus From: CHURCHVILLE AVE				
11 Augusta St	0.41	8200	G	2002
To: Edgewood Rd				
Bus From: Edgewood Rd				
11 Augusta St	0.28	9500	G	2002
To: Lambert St				
Bus From: Lambert St				
11 Augusta St	1.14	8500	G	2002
To: Coalter St				
Bus From: Coalter St				
11 Augusta St	0.71	7900	G	2002
To: Commerce Rd				
From: WCL Staunton				
250 Churchville Ave	1.23	10000	G	2002
To: Grubert Ave				
250 Churchville Ave	0.99	11000	G	2002
To: Thornrose Ave				
250 Churchville Ave	0.32	11000	G	2002
To: Augusta St				
From: Churchville Ave				
250 Augusta St	0.45	3300	G	2002
Combined Traffic:		4200	G	
To: Beverly St				

Route	Length	AADT	QA	Year
City of Staunton				
From: Beverly St				
250 Augusta St	0.13	6400	G	2002
Combined Traffic:		8900	G	
To: Johnson St				
From: Johnson St				
250 Johnson St	0.18	12000	G	2002
To: US 11, SR 254 New St				
250 11 Commerce Rd	0.07	19000	G	2002
To: US 11 GREENVILLE AVE				
250 Richmond Rd	0.75	12000	G	2002
To: Statler Blvd				
250 Richmond Rd	0.96	22000	G	2002
To: Frontier Rd				
250 Richmond Rd	0.44	27000	G	2002
To: ECL Staunton				
From: Churchville Ave				
250 New St	0.36	890	G	2002
Combined Traffic:		4200	G	
To: Frederick St				
250 New St	0.14	2400	G	2002
Combined Traffic:		8900	G	
To: Johnson St				
From: SCL Staunton				
252 Middlebrook Rd	1.08	3800	G	2002
To: Bridge St				
252 Middlebrook Ave	0.60	4000	G	2002
To: Lewis Street				
From: LEWIS ST				
252 254 Beverly St	0.11	3700	G	2002
Combined Traffic:		10000	G	
To: US 250				
From: WCL Staunton				
254 Beverly St	0.82	8700	G	2002
To: Grubert St				
254 Beverly St	0.69	13000	G	2002
To: Thornrose Ave				
254 Beverly St	0.25	8600	G	2002
To: Jefferson St				
254 Beverly St	0.25	4000	G	2002
To: SR 254 P				
254 Beverly St	0.23	2000	G	2002
Combined Traffic:		4700	G	
To: Lewis St				
254 Beverly St	0.11	3700	G	2002
Combined Traffic:		10000	G	
To: US 250				
254 Beverly St	0.06	3700	N	2002
Combined Traffic:		8100	N	
To: New St				
254 Beverly St	0.16	1900	G	2002
Combined Traffic:		6300	G	
To: Coalter St				
From: SR 254 P, Frederick St				
254 Coalter St	0.16	5300	G	2002
To: US 11 US 250 Commerce St				

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Route	Length	AADT	QA	Year
City of Staunton				
From: US 11 US 250 Commerce St				
254 11 Commerce Rd	0.68	3100	G	2002
To: US 11 Commerce Rd				
From: US 11 Commerce Rd				
254 New Hope Rd	2.45	1100	G	2002
To: ECL Staunton				
From: Jefferson St				
254 Frederick St	0.35	2700	G	2002
Combined Traffic:		4700	G	
To: Central St				
From: Central St				
254 Frederick St	0.11	6700	G	2002
Combined Traffic:		10000	G	
To: US 250 P, New St				
From: US 250 P, New St				
254 Frederick St	0.24	4400	G	2002
Combined Traffic:		6300	G	
To: Coalter St				
From: Old Greenville Rd				
261 Statler Blvd	0.84	9400	G	2002
To: Richmond Rd				
From: Richmond Rd				
261 Statler Blvd	0.78	13000	G	2002
To: New Hope Rd				
From: New Hope Rd				
261 Statler Blvd	0.14	15000	G	2002
To: Commerce Rd				
From: Commerce Rd				
261 Statler Blvd	0.25	11000	G	2002
To: Beverly St				
From: Beverly St				
261 Statler Blvd	0.20	10000	G	2002
To: Coalter St				
From: US 250				
275	2.07	8600	G	2002
To: 07-613 Spring Hill Rd				
From: 07-613 Spring Hill Rd				
275	1.74	11000	G	2002
To: US 11 Commerce Rd				
From: US 11 Commerce Rd				
275 Woodrow Wilson Pkwy	1.34	13000	G	2002
To: ECL Staunton				
From: Churchville Ave				
1 EngwoodD Dr	0.34	3300	G	2002
To: Schutterlee Mill Rd				
From: Middlebrook Ave				
4900 Hampton St	0.28	10000	G	2002
To: Greenville Ave				
From: SCL Staunton				
4901 Barterbrook Rd	0.17	3200	G	2002
To: Greenville Ave				
From: WCL Staunton				
4902 Buttermilk Spring Rd	1.00	700	G	2002
To: Pierce St				
From: Pierce St				
4902 Straith St	0.30	NA		
To: SR 254				
From: Frederick St				
4903 Coalter St	0.54	4600	G	2002
To: Edgewood Rd				
From: Edgewood Rd				
4903 Coalter St	1.31	5400	G	2002
To: Augusta St				
From: Beverly St				
4905 Lewis St	0.48	5000	G	2002
To: Churchville Ave				

Route	Length	AADT	QA	Year
City of Staunton				
From: Middlebrook Ave				
4909 Bridge St	0.19	8700	G	2002
To: Stuart St				
From: Bridge St				
4909 Green St	0.27	NA		
To: SR 254; 1SR 254-P Gap Terminus				
From: Beverly St				
4913 N Central St	0.38	3700	G	2002
To: Churchville Ave				
From: Beverly St				
4915 Thornrose Ave	0.31	1800	G	2002
To: Circle Ave				
From: Circle Ave				
4915 Thornrose Ave	0.42	4700	G	2002
To: Churchville Ave				
From: Beverly St				
4919 Grubert Ave	0.99	6200	G	2002
To: Churchville Ave				
From: WCL Staunton				
4921 Morris Mill Rd	0.88	3000	G	2002
To: Beverly St				
From: Augusta St				
4925 Lambert St	0.44	7300	G	2002
To: Donaghe St				
From: Churchville Ave				
4927 Spring Hill Rd	0.76	3500	G	2002
To: Donaghe St				
From: Donaghe St				
4927 Springhill Rd	1.45	2900	G	2002
To: NCL Staunton				
From: Commerce Rd				
4929 Mt View Dr	0.39	490	G	2002
To: Coalter St				
From: Englewood Dr				
4931 Schutterlee Mill Rd	0.95	2300	G	2002
To: NCL Staunton				
From: Straith St				
4932 Pierce St	0.20	1200	G	2002
To: Hays Ave				
From: Montgomery Ave				
4933 Peck St	0.17	6700	G	2002
To: Austin Ave				
From: Austin Ave				
4933 Hays Ave	0.36	NA		
To: SR 254				
From: Montgomery Ave				
4935 Stuart St	0.57	6400	G	2002
To: Bridge St				
From: Jefferson St				
4937 Johnson St	0.23	2500	G	2002
To: Lewis St				
From: Lewis St				
4937 Johnson St	0.11	11000	G	2002
To: Augusta St				
From: Augusta St				
4938 Prospect St	0.53	1400	G	2002
To: N Coalter St				
From: Churchville Ave				
4940 Donaghe St	0.37	5200	G	2002
To: Lambert St				

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Route	Length	AADT	QA	Year
City of Staunton				
From: Lambert St				
4940 Donaghe St	0.47	3700	G	2002
To: Spring Hill Rd				
From: SCL Staunton				
4942 Old Greenville Ave	0.47	1300	G	2002
To: Greenville Ave				
From: SCL Staunton				
4944 Frontier Dr	1.00	7100	G	2002
To: Richmond Rd				
From: Tuxedo St				
Archer St		1200	G	2002
To: Surrey Rd				
From: Gypsy Ave				
Berry St		90	G	2002
To: Parkview Ave				
From: Red Bud Ln				
Blue Ridge Dr		350	G	2002
To: East Beverly St				
From: Sproul Ln				
Frasier Ln		160	G	2002
To: College Circle				
From: West Beverly St				
Peyton St		530	G	2002
To: Second St				
From: Lambert St				
Rockway St		80	G	2002
To: Donaghe St				
From: Lyle Avenue				
Spruce Street		900	G	2002
To: Spring Hill Rd				
From: US11 Augusta St				
Taylor St		1600	G	2002
To: Oak Ln College Cir.				