2017
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
140

Town of Abingdon

Information in this report is included in Report

95

(Washington County)

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 K Factor 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 Design Hour Factor (K 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
2017
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Abingdon

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
11 19 Main St	Town of Abingdon	From: WCL Abingdon	0.55	7700	G	95%	0%	1%	1%	3%	0%	F	0.091		0.59	8100	G
		To: SR 140 Jonesboro Rd															
11 19 Main St	Town of Abingdon	From: SR 140 Jonesboro Rd	0.43	24000	G	98%	0%	1%	0%	1%	0%	F	0.088		0.541	25000	G
		To: Colonial Rd															
11 19 Main St	Town of Abingdon	From: Colonial Rd	0.47	23000	G	98%	0%	1%	0%	1%	0%	F	0.088		0.532	24000	G
		To: US 19 Porterfield Hwy															
11 Main St/Lee Hwy	Town of Abingdon	From: US 19 Porterfield Hwy	0.47	13000	G	98%	0%	1%	0%	1%	0%	F	0.089		0.502	14000	G
		To: Palmer St															
11 Main St	Town of Abingdon	From: Palmer St	0.35	14000	G	98%	0%	1%	0%	1%	0%	C	0.087		0.501	14000	G
		To: US ALT 58, Russell Rd															
11 ALT 58 Main St	Town of Abingdon	From: US ALT 58, Russell St	0.24	11000	G	98%	0%	1%	0%	1%	0%	F	0.088		0.505	12000	G
		To: US Alt 58, SR 75, Cummings St															
11 Main St/Lee Hwy	Town of Abingdon	From: US Alt 58, SR 75, Cummings St	0.66	11000	G	98%	1%	1%	0%	0%	0%	F	0.088		0.505	12000	G
		To: Tanner St															
11 Main St/Lee Hwy	Town of Abingdon	From: Tanner St	0.93	13000	G	98%	1%	1%	0%	0%	0%	F	0.085		0.507	14000	G
		To: Thompson Dr															
11 Main St/Lee Hwy	Town of Abingdon	From: Thompson Dr	0.13	19000	G	98%	1%	1%	0%	0%	0%	F	0.090		0.523	20000	G
		To: Hillman Hwy															
11 Main St/Lee Hwy	Town of Abingdon	From: Hillman Hwy	0.74	16000	G	98%	1%	1%	0%	0%	0%	C	0.089		0.532	17000	G
		To: ECL Abingdon															
19 11 Main St	Town of Abingdon	From: WCL Abingdon	0.55	7700	G	95%	0%	1%	1%	3%	0%	F	0.091		0.59	8100	G
		To: SR 140 Jonesboro Rd															
19 11 Main St	Town of Abingdon	From: SR 140 Jonesboro Rd	0.43	24000	G	98%	0%	1%	0%	1%	0%	F	0.088		0.541	25000	G
		To: Colonial Rd															
19 11 Main St	Town of Abingdon	From: Colonial Rd	0.47	23000	G	98%	0%	1%	0%	1%	0%	F	0.088		0.532	24000	G
		To: US 11 Main St															
19 Porterfield Hwy	Town of Abingdon	From: US 11 Main St; Lee Hwy	0.45	17000	G	95%	0%	1%	1%	3%	0%	F	0.089		0.540	18000	G
		To: Alt US 58															
19 ALT 58 Porterfield Rd	Town of Abingdon	From: Alt US 58	0.21	22000	G	95%	0%	1%	1%	3%	0%	F	0.089		0.566	24000	G
		To: NCL Abingdon															
58 81	Town of Abingdon (Maint: 95)	From: SCL Abingdon	0.14	See I-81 for directional traffic volume estimates for this segment.													
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:			46000	G	79%	1%	1%	1%	17%	1%	C	0.096	A	0.511	46000	G
		To: SR 75															

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Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
	From: SR 75															
58 81	Town of Abingdon (Maint: 95)	1.06	See I-81 for directional traffic volume estimates for this segment.													
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**47000**	**G**	79%	1%	1%	1%	17%	1%	F	0.079	F	0.501	48000	G
	To: NCL Abingdon															
	From: NCL Abingdon															
ALT 58 19 Porterfield Rd	Town of Abingdon	0.21	**22000**	**G**	95%	0%	1%	1%	3%	0%	F	0.089		0.566	24000	G
	To: US 19 Porterfield Hwy															
	From:															
ALT 58 Russell Rd	Town of Abingdon	1.01	**8900**	**G**	99%	0%	0%	0%	0%	0%	C	0.092		0.525	9500	G
	To: Valley Street															
	From: Valley St															
ALT 58 11 Main St	Town of Abingdon	0.24	**11000**	**G**	98%	0%	1%	0%	1%	0%	F	0.088		0.505	12000	G
	To: Main St															
	From: US 11															
ALT 58 75 Cummings St	Town of Abingdon	0.78	**17000**	**G**	99%	0%	1%	0%	1%	0%	C	0.086		0.549	18000	G
	To: I-81															
	From: SCL Abingdon Country Club															
75 Green Spring Rd	Town of Abingdon	0.98	**8100**	**G**	97%	0%	1%	1%	1%	0%	C	0.087		0.627	8700	G
	To: I-81 Commerce Dr															
	From: I-81															
75 ALT 58 Cummings St	Town of Abingdon	0.78	**17000**	**G**	99%	0%	1%	0%	1%	0%	C	0.086		0.549	18000	G
	To: US 11 Lee Hwy															
	From: SCL Abingdon															
North 81 58	Town of Abingdon (Maint: 95)	0.14	**23000**	**G**	78%	1%	1%	1%	19%	1%	C	0.094			24000	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**46000**	**G**	79%	1%	1%	1%	17%	1%	C	0.096	A	0.511	46000	G
	To: SR 75 Cummings St															
	From:															
North 81 58	Town of Abingdon (Maint: 95)	1.06	**24000**	**G**	78%	1%	1%	1%	19%	1%	F	0.079			24000	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**47000**	**G**	79%	1%	1%	1%	17%	1%	F	0.079	F	0.501	48000	G
	To: NCL Abingdon															
	From: SCL Abingdon															
South 81 58	Town of Abingdon (Maint: 95)	0.69	**23000**	**A**	81%	1%	1%	1%	16%	1%	C	0.104			23000	A
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**46000**	**G**	79%	1%	1%	1%	17%	1%	C	0.087	B	0.530	46000	G
	To: SR 75 Cummings St															
	From:															
South 81 58	Town of Abingdon (Maint: 95)	0.79	**23000**	**G**	81%	1%	1%	1%	16%	1%	F	0.08			24000	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**47000**	**G**	79%	1%	1%	1%	17%	1%	F	0.079	F	0.501	48000	G
	To: NCL Abingdon															
	From: SCL Abingdon															
140 Jonesboro Rd	Town of Abingdon	0.38	**18000**	**G**	94%	1%	1%	1%	4%	0%	C	0.091		0.544	19000	G
	To: US 11 Main St															

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Town of Abingdon																
(1) VHCC Dr	0.63	**2100**	**G**								0.139		0.576	2100	G	2017
From: SR 140 Jonesboro Rd																
To: Faculty Parking; VHCC Dr																
(2) Partnership Circle	0.10	**1600**	**G**								0.147		0.578	1600	G	2017
From: 140-1 VHCC Dr																
To: VHC College Parking Lot																
(3) Wyndale Rd	1.07	**3800**	**G**	98%	1%	0%	0%	0%	0%	C	0.105		0.563	4100	G	2017
From: WCL Abingdon																
To: US 11 Main St																
(4) Thompson Dr	0.19	**4800**	**G**								0.168		0.671	4800	G	2017
From: US 11 Main St																
To: Stanley St																
(6) Court St	0.08	**1200**	**G**								0.124		0.785	1300	G	2017
From: 140-3003 Valley St																
To: US 11 Main St																
(3002) Cummings St	0.08	**7200**	**G**	99%	0%	0%	0%	0%	0%	F	0.091		0.561	7600	G	2017
From: US 11 Lee Hwy; W Main St																
To: Valley St																
(3003) Valley St	0.72	**9300**	**G**	99%	0%	0%	0%	0%	0%	C	0.1		0.536	9900	G	2017
From: Russell Rd; ALT 58																
To: Court St																
(3003) Valley St	0.14	**6600**	**G**	99%	0%	0%	0%	0%	0%	F	0.108		0.506	7000	G	2017
From: Court St																
To: Whites Mill Rd																
(3004) Tanner St	0.08	**1500**	**G**	98%	1%	1%	0%	0%	0%	F	0.089		0.584	1600	G	2017
From: US 11 Main St																
To: Valley St																
(3004) Whites Mill Rd	0.87	**2100**	**G**	98%	1%	1%	0%	0%	0%	C	0.091		0.627	2300	G	2017
From: Valley St																
To: New NCL Abingdon																
(3005) Hillman Hwy	1.35	**4400**	**G**	99%	0%	1%	0%	0%	0%	C	0.097		0.562	4700	G	2017
From: US 11; Lee Hwy																
To: ECL Abingdon																
(3006) Tunnel St/Old Saltworks Rd	0.08	**1500**	**G**	98%	1%	1%	0%	0%	0%	F	0.092		0.677	1600	G	2017
From: 140-3005 Hillman Hwy																
To: 95-740 JB-140 NCL Abingdon																
Augusta Dr		**410**	**G**								0.095		0.614	440	G	2017
From: Sawgrass Circle																
To: Winterham Dr																
Bradley St		**1300**	**G**								0.102		0.569	1400	G	2017
From: Preston St																
To: Fuller St																
Fairway Dr		**410**	**G**								0.127		0.764	440	G	2017
From: Bogey Dr																
To: Dead End																
Oak Hill St		**240**	**G**								0.13		0.576	260	G	2017
From: Hillside Dr																
To: Stonewall Heights																