

**2020**

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

where available

**Special Locality Report**

**328**

Town of Windsor

Information in this report is included in Report

**46**

(Isle of Wight County)

Prepared By

**Virginia Department of Transportation  
Traffic Engineering Division**

In Cooperation With

**U.S. Department of Transportation  
Federal Highway Administration**

The reported 2020 AADTs represent the best estimate of 2020 average daily traffic, however, this year's AADTs do vary from normal traffic in the years prior to 2020 due to COVID-19. The reported AADTs may not represent typical traffic for a given day or period within the year as the drastic seasonal variations were normalized through the factoring process. The 2020 publications are therefore colored to draw users attention to the fact that uses of the 2020 published estimates versus alternative data sources should be determined at users' discretion based on the objectives or nature of the analyses being performed.

The estimated 2020 DVMT for the entire state maintained network total to 208,000,000, which has trended down by 11 percent compared to the 2019 level of 234,000,000. For most traffic links across the state, the estimated 2020 AADTs are also seen to have decreased from their 2019 levels.

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.

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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 buses.

**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  
Bypass - 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  
 Traffic Engineering Division  
 2020  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Windsor

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: WCL Windsor															
258 Prince Blvd S	Town of Windsor (Maint: 46)	0.19	4800	F	91%	1%	1%	1%	7%	0%	F	0.094	F	0.68	4700	F
	To: US 460 Windsor Blvd															
258 Prince Blvd N	Town of Windsor (Maint: 46)	0.25	5200	F	93%	1%	1%	1%	4%	0%	F	0.09	F	0.593	5100	F
	To: NCL Windsor															
	From: WCL Windsor															
460	Town of Windsor (Maint: 46)	0.07	10000	F	80%	1%	1%	2%	16%	0%	F	0.084	F	0.528	9700	F
	To: US 258 Prince Blvd N; Prince Blvd S															
460 Windsor Blvd	Town of Windsor (Maint: 46)	0.45	15000	F	98%	0%	0%	1%	0%	0%	C	0.08	F	0.518	14000	F
	To: 46-610 Court Street North; Court Street															
	From: 46-610 Court St															
460	Town of Windsor (Maint: 46)	0.74	16000	N	80%	1%	1%	2%	16%	0%	N	0.088	F	0.567	15000	N
	To: ECL Windsor															



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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Windsor</b>																
603 46 Bank St	0.41	2800	F	97%	1%	1%	0%	1%	0%	C	0.105	F	0.722	2700	F	2020
						From: WCL Windsor										
603 46 Church St		1900	F	98%	0%	1%	0%	0%	0%	C	0.131	F	0.584	1900	F	2020
						From: US 460 Windsor Blvd										
603 46 Church St	0.14	1800	F	98%	0%	1%	1%	0%	0%	C	0.115	F	0.56	1800	F	2020
						From: 46-1805 Roberts Ave										
						To: ECL Windsor										
610 46 Court St	0.24	680	F	98%	1%	1%	0%	0%	0%	C	0.116	F	0.563	660	F	2020
						From: SCL Windsor										
610 46 Court St	0.07	850	F	98%	0%	1%	0%	0%	0%	C	0.1	F	0.696	830	F	2020
						From: 46-1802 WEST; N & W St										
610 46 Court Street North	0.55	1600	R								0.125	F	0.622	NA		08/06/2014
						From: US 460 Windsor Blvd										
						To: NCL Windsor										
636 46 Griffin Street West	0.05	1100	R									NA		NA		02/22/2017
						From: 46-603 Bank St										
636 46 Griffin Street East	0.50	1100	R									NA		NA		02/22/2017
						From: 46-610 Court St SOUTH										
						To: SCL Windsor										
1800 46 Pine Lane	0.06	90	R									NA		NA		02/24/2017
						From: Dead End										
						To: 46-1803 Community Dr										
1801 46 B Ave	0.10	60	R									NA		NA		02/24/2017
						From: 46-603 Bank St										
						To: Dead End; Gap										
1801 46 B Ave	0.01	70	R									NA		NA		02/24/2017
						From: Dead End; Gap										
1801 46 B Ave	0.04	120	R									NA		NA		02/24/2017
						From: 46-1802, N & W St										
						To: US 460										
1802 46 N & W St	0.13	70	R									NA		NA		02/24/2017
						From: Dead End										
1802 46 N & W St	0.02	370	R									NA		NA		02/24/2017
						From: 46-1804 Joyner Ave										
1802 46 N & W St	0.04	320	R									NA		NA		02/24/2017
						From: 46-610 Court St										
1802 46 N & W St	0.16	130	R									NA		NA		02/24/2017
						From: 46-603 Bank St										
						To: 46-1801 B Ave										
1803 46 Community Dr	0.02	80	R									NA		NA		02/24/2017
						From: Dead End										
1803 46 Community Dr	0.08	90	R									NA		NA		02/24/2017
						From: 46-1800 Pine Lane										
						To: US 460 Windsor Blvd East										
1804 46 Joyner Ave	0.06	1100	R									NA		NA		02/24/2017
						From: 46-1802, N & W St										
						To: US 460 Windsor Blvd East										
1805 46 Roberts Ave	0.15	940	R									NA		NA		02/24/2017
						From: US 460 Windsor Blvd East										
1805 46 Roberts Ave	0.02	590	R									NA		NA		02/24/2017
						From: 46-1817 Holland Lane										
1805 46 Roberts Ave	0.06	860	R									NA		NA		02/24/2017
						From: 46-1814 Holland Dr										
						To: 46-603 Church St										

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<b>Town of Windsor</b>													
1809 46 Watson St	0.09	100	R			From: US 460 Windsor Blvd West To: Dead End		NA			NA		02/23/2017
1810 46 Bank St	0.02	850	N			From: WCL Windsor To: 46-603 Bank St		NA			NA		02/23/2017
1811 46 A St	0.07	910	R			From: 46-610 Court St North To: 46-1812 Duke St		NA			NA		03/02/2017
1812 46 Duke St	0.24	1200	R			From: 46-603 Church St To: 46-1824 Randolph Dr		NA			NA		02/24/2017
1812 46 Duke St	0.05	660	R			From: 46-1811 A St To: 46-1813 Virginia Ave		NA			NA		03/02/2017
1812 46 Duke St	0.02	580	R			From: 46-1813 Virginia Ave To: Dead End		NA			NA		03/02/2017
1812 46 Duke St	0.03	20	R			From: 46-1812 Duke St To: Dead End		NA			NA		03/02/2017
1813 46 Virginia Ave	0.29	170	R			From: 46-1812 Duke St To: Dead End		NA			NA		10/16/2014
1814 46 Holland Dr	0.29	410	R			From: US 460 Windsor Blvd East To: 46-1805 Roberts Ave		NA			NA		03/02/2017
1815 46 Mathews Dr	0.09	30	R			From: US 258 S, Prince Blvd N To: 46-1816		NA			NA		03/02/2017
1815 46 Mathews Dr	0.08	80	R			From: 46-1816 To: US 258 N, Prince Blvd N		NA			NA		03/02/2017
1816 46 Hazel Rd	0.03	90	R			From: 46-1815 Mathews Dr To: Dead End		NA			NA		03/02/2017
1817 46 Holland Lane	0.08	170	R			From: 46-1805 Roberts Ave To: 46-1818 Taylor Ave		NA			NA		02/23/2017
1817 46 Holland Lane	0.05	70	R			From: 46-1818 Taylor Ave To: Cul-de-Sac		NA			NA		02/23/2017
1818 46 Taylor Ave	0.14	80	R			From: Cul-de-Sac To: 46-1817 Holland Lane		NA			NA		02/23/2017
1820 46 Belmont St	0.06	640	R			From: US 258 Prince Blvd N To: 46-1822 Liberty St		NA			NA		03/02/2017
1820 46 Belmont St	0.18	520	R			From: 46-1822 Liberty St To: 46-1823 Castle St		NA			NA		03/02/2017
1820 46 Belmont St	0.05	160	R			From: 46-1823 Castle St To: 46-1821 Marlette St		NA			NA		03/02/2017
1820 46 Belmont St	0.05	210	R			From: 46-1821 Marlette St To: 46-1822 Liberty St		NA			NA		03/02/2017
1821 46 Marlette St	0.06	300	R			From: US 258 Prince Blvd N To: 46-1822 Liberty St		NA			NA		03/02/2017
1821 46 Marlette St	0.12	410	R			From: 46-1822 Liberty St To: 46-1820 Belmont St		NA			NA		03/02/2017

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Windsor</b>																
1822 46 Liberty St	0.05	120	R								NA			NA		03/02/2017
1822 46 Liberty St	0.05	90	R								NA			NA		03/02/2017
1822 46 Liberty St	0.15	280	R								NA			NA		03/02/2017
1823 46 Castle St	0.14	330	R								NA			NA		03/02/2017
1824 46 Randolph Dr	0.22	100	R								NA			NA		02/02/2017
1825 46 Shirley Dr	0.12	160	R								NA			NA		03/02/2017
1826 46 Maple St	0.11	60	G	99%	0%	0%	1%	0%	0%	C	0.192	F	0.6	60	G	2020
1827 46 Hazelwood Dr	0.08	80	R								NA			NA		06/05/2014
1828 46 Keaton Ave	0.20	60	R								NA			NA		06/05/2014
1833 46 Albert Court	0.10	120	R								NA			NA		03/02/2017
1834 46 Andrew Court	0.12	100	R								NA			NA		03/02/2017
1838 46 Wythe Dr	0.18	220	R								NA			NA		03/03/2017
1839 46 Sylvia Circle	0.41	370	R								NA			NA		03/02/2017
9208 46 Windsor High School	0.10	680	R								NA			NA		03/10/2017