

2002

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

where available

Special Locality Report

273

Town of Onancock

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
 Town of Onancock

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
126	0.11	3500	F	98%	0%	1%	0%	1%	0%	F	0.089	F	0.524	3500	F	2002
				From:	SR 179 Onancock											
				To:	ECL Onancock											
179	0.36	5200	F	98%	0%	1%	1%	0%	0%	F	0.095	F	0.520	5200	F	2002
				From:	01-1023											
179	1.16	5800	F	98%	0%	1%	1%	0%	0%	C	0.104	F	0.518	5800	F	2002
				From:	S 01-658											
179	0.09	6800	F	98%	0%	1%	1%	0%	0%	F	0.091	F	0.506	6900	F	2002
				From:	SR 126											
				To:	WCL Onancock											
658 01	0.37	420	R								NA		NA		1999	
				From:	01-718											
658 01	0.37	480	R								NA		NA		1999	
				From:	01-1009											
				To:	SR 179 EAST											
658 01	0.16	2100	F	98%	0%	1%	0%	0%	0%	C	0.085	F	0.515	2100	F	2002
				From:	SR 179 WEST											
				To:	01-1006											
658 01	0.20	2000	F	98%	0%	1%	0%	0%	0%	F	0.083	F	0.519	2000	F	2002
				From:	01-1006											
				To:	NCL Onancock											
718 01	0.58	3300	F	97%	1%	1%	0%	1%	0%	F	0.092	F	0.561	3300	F	2002
				From:	SCL Onancock											
				To:	SR 179 NORTH											
1001 01	0.05	90	R								NA		NA		1999	
				From:	Dead End											
1001 01	0.15	120	R								NA		NA		1999	
				From:	01-1025											
1001 01	0.17	320	R								NA		NA		1999	
				From:	01-1012											
1001 01	0.20	670	R								NA		NA		1999	
				From:	01-1003											
				To:	SR 179											
1002 01	0.22	210	R								NA		NA		1999	
				From:	01-1012											
				To:	SR 179											
1003 01	0.20	110	R								NA		NA		1999	
				From:	01-1002											
				To:	01-1001											
1004 01	0.19	1500	R								NA		NA		1999	
				From:	SR 178											
1004 01	0.03	810	R								NA		NA		1999	
				From:	01-1006											
1004 01	0.06	910	R								NA		NA		1999	
				From:	01-1015											
1004 01	0.03	310	R								NA		NA		1999	
				From:	01-1007											
				To:	01-1008											
1005 01	0.08	8	R								NA		NA		1999	
				From:	SCL Onancock											
1005 01	0.08	90	R								NA		NA		1999	
				From:	01-1019											
				To:	SR 179 EAST											
				From:	SR 179 WEST											
1005 01	0.30	310	R								NA		NA		1999	
				To:	01-1008											

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
1005 01	0.09	70	R			From: 01-1008					NA		NA			1999
						To: NCL Onancock										
1006 01	0.81	720	R			From: 01-658					NA		NA			1999
						To: 01-1004										
1007 01	0.17	500	R			From: 01-1005					NA		NA			1999
						To: 01-1004										
1008 01	0.18	150	R			From: 01-1005					NA		NA			1999
						To: 01-1004										
1009 01	0.29	610	R			From: 01-1001					NA		NA			1999
						To: 01-658										
1010 01	0.06	47	R			From: Dead End					NA		NA			1999
						To: 01-1003										
1011 01	0.09	30	R			From: 01-1012					NA		NA			1999
						To: 01-1003										
1012 01	0.05	60	R			From: Dead End					NA		NA			1999
						To: 01-1002										
1012 01	0.23	180	R			From: 01-1026					NA		NA			1999
						To: 01-1026										
1012 01	0.03	20	R			From: Dead End					NA		NA			1999
						To: Dead End										
1013 01	0.15	100	R			From: 01-1021					NA		NA			1999
						To: 01-1014										
1014 01	0.07	100	R			From: 01-1013					NA		NA			1999
						To: 01-1020										
1015 01	0.10	20	R			From: 01-1016					NA		NA			1999
						To: 01-1004										
1016 01	0.03	130	R			From: 01-1006					NA		NA			1999
						To: 01-1015										
1017 01	0.15	70	R			From: 01-1006					NA		NA			1999
						To: Dead End										
1018 01	0.14	70	R			From: SR 178					NA		NA			1999
						To: 01-1006										
1019 01	0.09	70	R			From: 01-1005					NA		NA			1999
						To: Dead End										
1020 01	0.27	120	R			From: 01-1021					NA		NA			1999
						To: 01-718										
1021 01	0.06	40	R			From: 01-1013					NA		NA			1999
						To: 01-1020										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
1021 01	0.02	480	R			From: 01-1020					NA		NA			1999
1021 01	0.12	420	R			From: 01-1022					NA		NA			1999
						To: SR 178										
1022 01	0.10	90	R			From: 01-658					NA		NA			1999
						To: 01-1021										
1023 01	0.18	370	R			From: SR 179					NA		NA			1999
1023 01	0.18	10	R			From: 01-1043					NA		NA			1999
						To: 01-658 Crockett										
1024 01	0.04	170	R			From: 01-718					NA		NA			1999
						To: ECL Onancock										
1025 01	0.06	40	R			From: 01-1001					NA		NA			1999
						To: 01-1026										
1026 01	0.15	60	R			From: 01-1025					NA		NA			1999
1026 01	0.12	170	R			From: 01-1012					NA		NA			1999
						To: 01-1009										
1027 01	0.19	160	R			From: Dead End					NA		NA			1999
						To: SR 178										
1029 01	0.04	180	R			From: 01-718					NA		NA			1999
						To: ECL Onancock										
1040 01	0.17	120	R			From: 01-658					NA		NA			02/12/2002
						To: Street										
1041 01	0.14	6	R			From: 01-1006					NA		NA			1999
						To: 01-1040										
1042 01	0.08	45	R			From: 01-658					NA		NA			1999
						To: 01-1041										
1043 01	0.04	45	R			From: SR 179					NA		NA			1999
						To: 01-1023										
9002 01	0.08	390	R			From: Onancock High School					NA		NA			1999
						To: 01-658 NORTH										