

2007

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

where available

Special Locality Report

273

Town of Onancock

Information in this report is included in Report

01

(Accomack 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

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
 2007
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Onancock

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
126 Fairgrounds Rd	From:	SR 179 Onancock															
	Town of Onancock (Maint: 01)	0.11	3500	G	98%	0%	1%	0%	0%	0%	F	0.091	F	0.535	3600	G	
	To:	ECL Onancock															
179 Market St	From:	01-1023 King Street															
	Town of Onancock (Maint: 01)	0.36	5700	G	98%	0%	1%	0%	0%	0%	F	NA		5700	G		
179 Market St	From:	W 01-658 North Street															
	Town of Onancock (Maint: 01)	1.16	6100	G	98%	0%	1%	0%	0%	0%	C	0.094	F	0.504	6300	G	
179 Market St	From:	SR 126 Fairgrounds Rd															
	Town of Onancock (Maint: 01)	0.09	7600	G	98%	0%	1%	0%	0%	0%	F	0.084	F	0.521	7700	G	
	To:	ECL Onancock															

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
(658/01) Liberty St	0.37	490	R								NA			NA		07/06/2005
						From: 01-718 Hill Street										
						To: 01-1009 Liberty Street										
(658/01) College Ave	0.37	510	R								NA			NA		07/06/2005
						From: SR 179 EAST										
						To: SR 179 WEST										
(658/01) North St	0.16	2200	G	98%	0%	1%	0%	1%	0%	C	0.086	F	0.521	2300	G	2007
						From: 01-1006 Kerr Street										
(658/01) North St	0.20	2300	G	98%	0%	1%	0%	1%	0%	F	0.089	F	0.56	2300	G	2007
						To: NCL Onancock										
						From: SCL Onancock										
(718/01) Hill St	0.58	3900	G	97%	0%	1%	1%	1%	0%	F	0.087	F	0.585	4000	G	2007
						To: SR 179 NORTH										
						From: Dead End										
(1001/01) Ames St	0.05	60	R								NA			NA		09/13/2005
						To: 01-1025 Merry Lane										
(1001/01) Ames St	0.15	130	R								NA			NA		09/13/2005
						To: 01-1012 Meadville Drive										
(1001/01) Ames St	0.17	390	R								NA			NA		09/13/2005
						To: 01-1003 Crescent Street										
(1001/01) Ames St	0.20	450	R								NA			NA		09/13/2005
						To: SR 179 Market Street										
						From: 01-1012 Meadville Drive										
(1002/01) Mt. Prospect Ave	0.22	280	R								NA			NA		09/13/2005
						To: SR 179 Market Street										
						From: 01-1002 Mt. Prospect Ave										
(1003/01) White St; Crescent St	0.20	80	R								NA			NA		09/13/2005
						To: 01-1001 Ames Street										
						From: SR 178										
(1004/01) Boundry Ave	0.19	1600	R								NA			NA		09/13/2005
						To: 01-1006 Kerr Street										
(1004/01) Boundry Ave	0.03	750	R								NA			NA		09/13/2005
						To: 01-1015 Bundick St										
(1004/01) Boundry Ave	0.06	1000	R								NA			NA		09/13/2005
						To: 01-1007 Watson St										
(1004/01) Boundry Ave	0.03	280	R								NA			NA		09/13/2005
						To: 01-1008 Church St										
						From: SCL Onancock										
(1005/01)	0.08	10	R								NA			NA		09/13/2005
						To: 01-1019										
(1005/01)	0.08	80	R								NA			NA		09/13/2005
						To: SR 179 EAST										
						From: SR 179 WEST										
(1005/01) Pine St	0.30	400	R								NA			NA		09/13/2005
						To: 01-1008 Church St										
(1005/01) Pine St	0.09	60	R								NA			NA		09/13/2005
						To: NCL Onancock										
						From: 01-658 North St										
(1006/01) Kerr St	0.81	840	R								NA			NA		09/13/2005
						To: 01-1004 Boundry Ave										
						From: 01-1005 Pine Street										
(1007/01) Watson St	0.17	520	R								NA			NA		09/13/2005
						To: 01-1004 Boundry Ave										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
1008 01 Church St	0.18	180	R			From: 01-1005 Pine Street					NA		NA			09/13/2005
						To: 01-1004 Boundry Ave										
1009 01	0.29	690	R			From: 01-1001 Ames Street					NA		NA			09/13/2005
						To: 01-658 College Ave; Liberty Street										
1010 01 Bagwell Ave	0.06	40	R			From: Dead End					NA		NA			09/13/2005
						To: 01-1003 White St; Crescent St										
1011 01 Division St	0.09	40	R			From: 01-1012 Meadville Dr					NA		NA			09/13/2005
						To: 01-1003 White St; Crescent St										
1012 01 Meadville Dr	0.05	90	R			From: Dead End					NA		NA			09/13/2005
						To: 01-1002 Mt. Prospect Ave										
1012 01 Meadville Dr	0.23	100	R			From: 01-1026 Sturgis St					NA		NA			09/13/2005
						To: Dead End										
1012 01 Meadville Dr	0.03	10	R			From: Dead End					NA		NA			09/13/2005
						To: Dead End										
1013 01 Jefferson St	0.15	120	R			From: 01-1021 Holly Street					NA		NA			09/13/2005
						To: 01-1014 Justis Street										
1014 01 Justis St	0.07	130	R			From: 01-1013 Jefferson St					NA		NA			09/13/2005
						To: 01-1020 Johnson St										
1015 01 Bundick St	0.10	20	R			From: 01-1016					NA		NA			09/13/2005
						To: 01-1004 Boundry Ave										
1016 01	0.03	160	R			From: 01-1006 Kerr Street					NA		NA			09/13/2005
						To: 01-1015 Bundick St										
1017 01 Jackson St	0.15	60	R			From: 01-1006 Kerr Street					NA		NA			09/13/2005
						To: Dead End										
1018 01 Marshall St	0.14	50	R			From: SR 178					NA		NA			09/13/2005
						To: 01-1006 Kerr Street										
1019 01	0.09	90	R			From: 01-1005					NA		NA			09/13/2005
						To: Dead End										
1020 01 Johnson St	0.27	140	R			From: 01-1021 Holly Street					NA		NA			09/13/2005
						To: 01-718 Hill Street										
1021 01 Holly St	0.06	20	R			From: 01-1013 Jefferson St					NA		NA			09/13/2005
						To: 01-1020 Johnson St										
1021 01 Holly St	0.02	570	R			From: 01-1022 Joynes St					NA		NA			08/02/2005
						To: 01-1022 Joynes St										
1021 01 Holly St	0.12	510	R			From: SR 178					NA		NA			08/02/2005
						To: SR 178										
1022 01 Joynes St	0.10	100	R			From: 01-658 College Ave					NA		NA			08/02/2005
						To: 01-1021 Holly Street										
1023 01 King St	0.18	420	R			From: SR 179 Market Street					NA		NA			08/02/2005
						To: 01-1043										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
(1023/01) King St	0.18	10	R				From: 01-1043					NA		NA		08/02/2005
							To: 01-658 Crockett Ave									
(1024/01) Hillcrest Dr	0.04	190	R				From: 01-718 Hill Street					NA		NA		08/02/2005
							To: ECL Onancock									
(1025/01) Merry Lane	0.06	40	R				From: 01-1001 Ames Street					NA		NA		08/02/2005
							To: 01-1026 Sturgis St									
(1026/01) Sturgis St	0.15	50	R				From: 01-1025 Merry Lane					NA		NA		08/02/2005
							To: 01-1012 Meadville Drive									
(1026/01) Sturgis St	0.12	180	R				From: 01-1009					NA		NA		08/02/2005
							To: Dead End									
(1027/01)	0.19	200	R				From: SR 178					NA		NA		08/02/2005
							To: 01-718 Hill Street									
(1029/01) Frances St	0.04	210	R				From: ECL Onancock					NA		NA		08/02/2005
							To: 01-658 North Street									
(1040/01)	0.17	120	R				From: Street					NA		NA		02/12/2002
							To: 01-1006 Kerr Street									
(1041/01)	0.14	9	R				From: 01-1040					NA		NA		08/02/2005
							To: 01-658 North Street									
(1042/01)	0.08	60	R				From: 01-1041					NA		NA		08/02/2005
							To: SR 179 Market Street									
(1043/01)	0.04	60	R				From: 01-1023 King Street					NA		NA		08/02/2005
							To: Onancock High School									
(9002/01)	0.08	210	R				From: 01-658 NORTH					NA		NA		09/20/2005
							To:									