

2011
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

- 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
-  Frontage Road (F precedes frontage route number)
-  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
 Traffic Engineering Division
 2011
 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	3100	F	98%	0%	1%	1%	0%	0%	F	0.102	F	3200	F	
	To: ECL Onancock															
179 Market St	From: 01-1023 King Street															
	Town of Onancock (Maint: 01)	0.36	2400	G	98%	0%	1%	0%	0%	0%	F	NA		2600	G	
179 Market St	From: W 01-658 North Street															
	Town of Onancock (Maint: 01)	1.16	5400	G	98%	0%	1%	0%	0%	0%	C	NA		5700	G	
179 Market St	From: SR 126 Fairgrounds Rd															
	Town of Onancock (Maint: 01)	0.09	7000	G	98%	0%	1%	0%	0%	0%	F	NA		7400	G	
	To: ECL Onancock															

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
658 01 Liberty St	0.37	770	R								NA		NA			09/01/2011
From: 01-718 Hill St																
To: 01-1009 Liberty St																
658 01 College Ave	0.37	560	R								NA		NA			09/01/2011
From: SR 179 E, Market St																
To: SR 179 W, Market St																
658 01 North St	0.16	1700	F	99%	0%	1%	0%	0%	0%	C	0.097	F	1800	F		2011
From: 01-1006 Kerr St																
To: NCL Onancock																
658 01 North St	0.20	1800	F	99%	0%	1%	0%	0%	0%	F	0.096	F	1800	F		2011
From: SCL Onancock																
To: SR 179 N, Market St																
718 01 Hill St	0.58	3600	G	97%	1%	1%	1%	0%	0%	F	NA		3900	G		2011
From: Dead End																
To: 01-1025 Merry Lane																
1001 01 Ames St	0.05	60	R								NA		NA			07/13/2011
From: 01-1012 Meadville Dr																
To: 01-1003 Crescent St																
1001 01 Ames St	0.15	140	R								NA		NA			07/13/2011
From: SR 179 Market St																
To: 01-1012 Meadville Dr																
1001 01 Ames St	0.17	410	R								NA		NA			07/13/2011
From: 01-1002 Mt Prospect Ave																
To: SR 179 Market St																
1002 01 Mt Prospect Ave	0.22	270	R								NA		NA			07/13/2011
From: 01-1002 Mt Prospect Ave																
To: 01-1001 Ames St																
1003 01 White St; Crescent St	0.20	110	R								NA		NA			07/13/2011
From: SR 178																
To: 01-1006 Kerr St																
1004 01 Boundry Ave	0.19	1600	R								NA		NA			07/13/2011
From: 01-1015 Bundick St																
To: 01-1007 Watson St																
1004 01 Boundry Ave	0.03	760	R								NA		NA			07/13/2011
From: 01-1008 Church St																
To: SCL Onancock																
1004 01 Boundry Ave	0.06	1000	R								NA		NA			07/13/2011
From: 01-1019																
To: SR 179 E, Market St																
To: SR 179 W, Market St																
1005 01 Pine St	0.30	420	R								NA		NA			07/13/2011
From: 01-1008 Church St																
To: NCL Onancock																
1005 01 Pine St	0.09	70	R								NA		NA			07/13/2011
From: 01-658 North St																
To: 01-1004 Boundry Ave																
1006 01 Kerr St	0.81	910	R								NA		NA			07/13/2011
From: 01-1005 Pine St																
To: 01-1004 Boundry Ave																
1007 01 Watson St	0.17	530	R								NA		NA			07/13/2011
From: 01-1004 Boundry Ave																

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Town of Onancock

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
1008 01 Church St	0.18	180	R								NA			NA		07/13/2011
1009 01 Liberty St	0.29	490	R								NA			NA		07/13/2011
1010 01 Bagwell Ave	0.06	30	R								NA			NA		07/13/2011
1011 01 Division St	0.09	40	R								NA			NA		07/13/2011
1012 01 Meadville Dr	0.05	90	R								NA			NA		07/13/2011
1012 01 Meadville Dr	0.23	120	R								NA			NA		07/13/2011
1012 01 Meadville Dr	0.03	20	R								NA			NA		07/13/2011
1013 01 Jefferson St	0.15	90	R								NA			NA		07/13/2011
1014 01 Justis St	0.07	130	R								NA			NA		07/13/2011
1015 01 Bundick St	0.10	46	R								NA			NA		07/13/2011
1016 01	0.03	180	R								NA			NA		07/13/2011
1017 01 Jackson St	0.15	70	R								NA			NA		07/13/2011
1018 01 Marshall St	0.14	80	R								NA			NA		07/13/2011
1019 01	0.09	130	R								NA			NA		07/13/2011
1020 01 Johnson St	0.27	160	R								NA			NA		07/13/2011
1021 01 Holly St	0.06	20	R								NA			NA		07/13/2011
1021 01 Holly St	0.02	490	R								NA			NA		07/13/2011
1021 01 Holly St	0.12	510	R								NA			NA		07/13/2011
1022 01 Joynes St	0.10	120	R								NA			NA		07/13/2011
1023 01 King St	0.18	440	R								NA			NA		07/13/2011

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						2Axle	3+Axle	1Trail	2Trail							
Town of Onancock																
1023 01 King St	0.18	30	R			From: 01-1043 West St					NA			NA		07/13/2011
						To: 01-658 Crockett Ave										
1024 01 Hillcrest Dr	0.04	210	R			From: 01-718 Hill St					NA			NA		09/07/2011
						To: ECL Onancock										
1025 01 Merry Lane	0.06	40	R			From: 01-1001 Ames St					NA			NA		09/07/2011
						To: 01-1026 Sturgis St										
1026 01 Sturgis St	0.15	60	R			From: 01-1025 Merry Lane					NA			NA		07/13/2011
						To: 01-1012 Meadville Dr										
1026 01 Sturgis St	0.12	170	R			From: 01-1009 Liberty St					NA			NA		07/13/2011
						To: 01-1009 Liberty St										
1027 01	0.19	220	R			From: Dead End					NA			NA		09/07/2011
						To: SR 178										
1029 01 Frances St	0.04	220	R			From: 01-718 Hill St					NA			NA		06/21/2011
						To: ECL Onancock										
1040 01 Chandler St	0.17	120	R			From: 01-658 North St					NA			NA		05/17/2008
						To: Kerr Lane										
1041 01 Lake St	0.14	20	R			From: 01-1006 Kerr St					NA			NA		08/03/2011
						To: 01-1040 Chandler St										
1042 01 Parks St	0.08	50	R			From: 01-658 North St					NA			NA		08/03/2011
						To: 01-1041 Lake St										
1043 01 West St	0.04	46	R			From: SR 179 Market St					NA			NA		08/03/2011
						To: 01-1023 King St										
9002 01	0.08	0	R			From: Onancock High School					NA			NA		07/06/2011
						To: 01-658 N, College Ave										