

**2011**  
**Virginia Department of Transportation**  
**Daily Traffic Volume Estimates**  
**Including Vehicle Classification Estimates**

where available

**Special Locality Report**

**199**

Town of Colonial Beach

Information in this report is included in Report

**96**

(Westmoreland 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.

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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 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  
 2011  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Colonial Beach

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: NWCL Colonial Beach															
205	Town of Colonial Beach (Maint: 96)	1.77	4900	N	96%	1%	2%	1%	1%	0%	N	0.092	N	0.689	5000	N
	To: Y SR 205															
205	James Monroe Hwy Town of Colonial Beach (Maint: 96)	0.29	5200	G	98%	0%	0%	0%	1%	0%	F	0.091	F	0.603	5300	G
	To: SCL Colonial Beach															
Wye	From: WCL Colonial Beach															
205	Colonial Ave Town of Colonial Beach (Maint: 96)	0.69	6600	N	98%	1%	1%	0%	0%	0%	N	0.077	N	0.523	6700	N
	To: End State Maintenance SR 205															

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Colonial Beach</b>																
1101 96 Irving Ave	1.35	790	G	98%	1%	1%	0%	0%	0%	C	0.103	F	0.667	810	G	2011
1101 96 Beach Terrace	0.06	890	R								NA			NA		07/09/2007
1102 96 Bancroft Ave	0.09	110	R								NA			NA		07/08/2010
1102 96 Bancroft Ave	1.08	320	G	99%	0%	1%	0%	0%	0%	F	0.104	F	0.5	320	G	2011
1102 96 Washington Ave	0.12	2900	G	98%	0%	1%	1%	0%	0%	C	0.09	F	0.527	3000	G	2011
1102 96 Washington Ave	0.19	4100	G	99%	0%	1%	0%	0%	0%	C	0.080	F	0.523	4200	G	2011
1102 96 Washington Ave	0.28	550	G	99%	0%	1%	0%	0%	0%	F	0.103	F	0.533	570	G	2011
1103 96 Boundary St	0.03	30	R								NA			NA		07/09/2007
1103 96 Boundary St	0.11	870	G	99%	0%	1%	0%	0%	0%	C	0.103	F	0.505	890	G	2011
1103 96 Boundary St	0.09	2000	R								NA			NA		07/09/2007
1103 96 Boundary St	0.03	1200	G	99%	0%	1%	0%	0%	0%	F	0.1	F	0.599	1200	G	2011
1104 96 Thackary St	0.26	60	R								NA			NA		07/09/2007
1105 96 Hamilton St	0.26	30	R								NA			NA		07/09/2007
1106 96 Weems St	0.26	80	R								NA			NA		07/09/2007
1107 96 Marshall Ave	0.37	220	R								NA			NA		07/09/2007
1107 96 Marshall Ave	0.58	610	R								NA			NA		07/09/2007
1107 96 Garfield Ave	0.12	1200	G	99%	0%	0%	0%	0%	0%	C	0.089	F	0.509	1200	G	2011
1107 96 Marshall Ave	0.06	1400	R								NA			NA		07/09/2007
1108 96 Hawthorn St	0.21	900	R								NA			NA		07/09/2007
1109 96 Taylor St	0.12	950	R								NA			NA		07/09/2007
1110 96 Wilder Ave	0.27	1100	R								NA			NA		07/09/2007



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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Colonial Beach</b>																
1111 96 Irving Ave	0.21	220	G	98%	1%	1%	0%	0%	0%	C	0.123	F		220	G	2011
1112 96 Taggart St	0.28	210	R								NA			NA		07/11/2007
1113 96 Given St	0.19	100	R								NA			NA		07/11/2007
1114 96 First St	0.60	2000	R								NA			NA		07/16/2007
1115 96 Ninth St	0.60	180	R								NA			NA		07/16/2007
1116 96 Lincoln Ave	0.32	40	R								NA			NA		07/11/2007
1117 96 Longfellow Ave	0.12	40	R								NA			NA		07/11/2007
1118 96 Douglas Ave	0.19	150	R								NA			NA		07/11/2007
1118 96 Garfield Ave	0.40	420	R								NA			NA		07/11/2007
1119 96 Lossing Ave	0.74	220	R								NA			NA		07/18/2007
1119 96 Lossing Ave	0.48	510	R								NA			NA		07/18/2007
1120 96 Lawrence Lane	0.29	70	R								NA			NA		07/09/2007
1121 96 Monroe Bay Ave	1.28	670	G	99%	0%	1%	0%	0%	0%	C	0.103	F	0.645	680	G	2011
1122 96 Wirt St	0.25	30	R								NA			NA		07/09/2007
1123 96 Robin Grove Lane	0.14	100	R								NA			NA		07/09/2007
1124 96 Lafayette St	0.19	320	R								NA			NA		07/09/2007
1124 96 Lafayette St	0.26	70	R								NA			NA		07/09/2007
1125 96 Livingstone St	0.32	160	R								NA			NA		07/11/2007
1126 96 Lynnhaven Ave	0.13	1400	G	99%	0%	0%	0%	0%	0%	F	0.094	F	0.520	1400	G	2011
1126 96 Lynnhaven Ave	0.06	1400	G	99%	0%	0%	0%	0%	0%	C	0.087	F	0.527	1400	G	2011

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Colonial Beach</b>																
(1126/96) Jackson St	0.59	790	G	99%	0%	0%	0%	0%	0%	F	0.101	F	0.52	810	G	2011
						From: SR 205 Y										
						To: 96-1140 Fifth St										
(1126/96) Myers Ave	0.05	480	G	99%	0%	0%	0%	0%	0%	F	0.1	F	0.613	490	G	2011
						From: 96-1141 Sixth St										
						To: 96-1152 Twelfth St										
(1127/96) Dennison St	0.10	1100	G	100%	0%	0%	0%	0%	0%	C	0.107	F	0.530	1100	G	2011
						From: 96-1126 Lynnhaven Ave										
						To: 96-1107 Marshall Ave; Garfield Ave										
(1127/96) Dennison St	0.17	170	R								NA		NA			07/09/2007
						From: 96-1109 Taylor St										
(1128/96) Jefferson St	0.18	60	R								NA		NA			07/09/2007
						From: 96-1121 Monroe Bay Ave										
						To: 96-1119 Lossing Ave										
(1129/96) Madison St	0.28	60	R								NA		NA			07/09/2007
						From: Dead End										
						To: 96-1101 Yeocomico Lane										
(1130/96) Sulgrave St	0.23	40	R								NA		NA			07/09/2007
						From: 96-1121 Monroe Bay Ave										
						To: 96-1101 Yeocomico Lane										
(1131/96) Franklin Ave	0.24	60	R								NA		NA			07/11/2007
						From: 96-1159 Kintz St										
						To: 96-1102 Washington Ave										
(1132/96) Bryant Ave	0.16	560	R								NA		NA			07/11/2007
						From: 96-1113 Given St										
						To: 96-1114 First St										
(1133/96) Second St	0.59	280	R								NA		NA			07/16/2007
						From: SR 205										
						To: 96-1134 Lee St <The Beach>										
(1134/96) Lee St <The Beach>	0.12	80	R								NA		NA			07/11/2007
						From: 96-1114 First St										
						To: 96-1149 Third St <The Beach>										
(1135/96) Fourth St	0.27	90	R								NA		NA			07/16/2007
						From: 96-1160 Dwight Ave										
						To: 96-1143 Beach Ave										
(1136/96) Riverview Circle	0.16	90	R								NA		NA			07/16/2007
						From: SR 205										
						To: 96-1153 Riverview Dr										
(1137/96) Eleventh St	0.09	50	R								NA		NA			07/16/2007
						From: 96-1126 Myers Ave										
						To: 96-1143 Beach Ave										
(1138/96) Virginia Ave	0.10	60	R								NA		NA			07/11/2007
						From: 96-1102 Washington Ave										
						To: Dead End										
(1139/96) Maryland Ave	0.10	80	R								NA		NA			07/08/2010
						From: 96-1102 Washington Ave										
						To: Dead End										
(1140/96) Fifth St	0.27	90	R								NA		NA			07/16/2007
						From: 96-1160 Dwight Ave										
						To: 96-1143 Beach Ave										
(1141/96) Sixth St	0.59	130	R								NA		NA			07/16/2007
						From: SR 205										
						To: 96-1143 Beach Ave										

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Colonial Beach</b>																
(1142/96) Seventh St	0.58	340	R								NA		NA			07/16/2007
(1143/96) Beach Ave	0.42	150	R								NA		NA			07/16/2007
(1144/96) Dandridge Lane	0.20	40	R								NA		NA			07/09/2007
(1145/96) Chamberlayne St	0.24	40	R								NA		NA			07/09/2007
(1146/96) Ball St	0.22	60	R								NA		NA			07/09/2007
(1147/96) Nelson St	0.27	40	R								NA		NA			07/09/2007
(1148/96) Vernon St	0.20	40	R								NA		NA			07/09/2007
(1149/96) Third Street <The Beach>	0.57	290	R								NA		NA			07/16/2007
(1150/96) Eighth St	0.28	60	R								NA		NA			07/16/2007
(1151/96) Tenth St	0.11	40	R								NA		NA			07/16/2007
(1152/96) Twelfth St	0.55	670	R								NA		NA			07/16/2007
(1153/96) Riverview Circle	0.22	90	R								NA		NA			07/11/2007
(1153/96) Riverview Dr	0.45	280	R								NA		NA			07/11/2007
(1154/96) Mimosa Ave	0.47	320	R								NA		NA			07/11/2007
(1155/96) Cedar Ave	0.37	300	R								NA		NA			07/11/2007
(1157/96) Westmoreland Ave	0.06	40	R								NA		NA			07/11/2007
(1158/96) Billingsley Ave	0.14	170	R								NA		NA			07/11/2007
(1159/96) Kintz St	0.20	60	R								NA		NA			07/11/2007
(1160/96) Dwight Ave	0.57	200	R								NA		NA			07/16/2007

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						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Colonial Beach</b>																
1161 96 Locust Ave	0.47	280	R			From: SR 205					NA			NA		07/11/2007
						To: 96-1153 Riverview Dr										
1162 96 Wakefield St	0.31	70	R			From: 96-1161 Locust Ave					NA			NA		07/11/2007
						To: 96-1136 Riverview Circle										
1163 96 Stratford St	0.25	50	R			From: 96-1161 Locust Ave					NA			NA		07/11/2007
						To: 96-1153 Riverview Dr										
1164 96 Monroe St	0.20	130	R			From: Dead End					NA			NA		07/08/2010
						To: SR 205 Y										
1165 96 Esmond Lane	0.12	30	R			From: 96-1144 Dandridge Lane					NA			NA		07/09/2007
						To: 96-1120 Lawrence Lane										
1166 96 Euclid St	0.16	980	R			From: SR 205 Y					NA			NA		07/16/2007
						To: 96-1114 First St										
1166 96 Euclid St	0.06	590	R			From: 96-1133 Second St					NA			NA		07/16/2007
						To: 96-1149 Third St <The Beach>										
1166 96 Euclid St	0.13	300	R			From: 96-1141 Sixth St					NA			NA		07/16/2007
						To: 96-1142 Seventh St										
1167 96 Darl Circle	0.01	60	R			From: SR 205 WEST					NA			NA		07/11/2007
						To: SWCL Colonial Beach										
1167 96 Darl Circle	0.01	160	R			From: SCL Colonial Beach					NA			NA		07/11/2001
						To: SR 205 EAST										
1168 96 Bell Ave	0.04	130	R			From: 96-1124 Lafayette St					NA			NA		07/09/2007
						To: 96-1121; 96-1148										
1169 96 Spotswood Lane	0.14	30	R			From: 96-1165 Esmond Lane					NA			NA		07/09/2007
						To: 96-1119 Lossing Ave										