

2003

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

where available

Special Locality Report

199

Town of Colonial Beach

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

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the Peak Hour 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 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
 2003
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Colonial Beach

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
205	1.79	4700	N	95%	0%	NCL Colonial Beach				N	0.084	N	0.67	4700	N	2003
205	0.27	5700	G	95%	0%	WCL Colonial Beach				F	0.086	F	0.536	5700	G	2003
Wye 205	0.69	7200	N	97%	1%	WCL Colonial Beach				N	0.087	N	0.537	7100	N	2003
1101 ₉₆	1.35	670	G	97%	0%	96-1121				C	0.105	F	0.569	670	G	2003
1101 ₉₆	0.06	950	R			96-1103				NA				NA		06/18/2001
1102 ₉₆	0.09	80	R			96-1119				NA				NA		1998
1102 ₉₆	1.08	260	G	97%	0%	96-1144				F	0.107	F	0.642	260	G	2003
1102 ₉₆	0.12	2900	G	97%	0%	96-1103 South				F	0.088	F	0.558	2900	G	2003
1102 ₉₆	0.12	2900	G	97%	0%	96-1103 North				F	0.088	F	0.558	2900	G	2003
1102 ₉₆	0.19	4200	G	97%	0%	96-1127				C	0.085	F	0.546	4200	G	2003
1102 ₉₆	0.28	580	G	97%	0%	SR 205 Y				F	0.095	F	0.631	570	G	2003
1103 ₉₆	0.03	90	R			Dead End				NA				NA		06/18/2001
1103 ₉₆	0.11	820	G	96%	1%	96-1121				C	0.092	F	0.558	820	G	2003
1103 ₉₆	0.09	2200	R			96-1102 North				NA				NA		06/18/2001
1103 ₉₆	0.03	980	G	96%	1%	96-1111				F	0.099	F	0.601	980	G	2003
1104 ₉₆	0.26	60	R			96-1101				NA				NA		06/18/2001
1105 ₉₆	0.26	45	R			96-1121				NA				NA		06/18/2001
1106 ₉₆	0.26	40	R			96-1101				NA				NA		06/18/2001
1107 ₉₆	0.37	190	R			96-1121				NA				NA		06/18/2001
1107 ₉₆	0.58	460	R			96-1122				NA				NA		06/18/2001
1107 ₉₆	0.12	1400	G	98%	1%	96-1103				C	0.102	F	0.544	1400	G	2003
1107 ₉₆	0.06	1400	R			96-1127				NA				NA		06/18/2001
1108 ₉₆	0.21	510	R			96-1110				NA				NA		06/18/2001
1108 ₉₆	0.21	510	R			96-1107				NA				NA		06/18/2001

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1109 96	0.12	720	R			From: 96-1108 To: 96-1110					NA			NA		06/18/2001
1110 96	0.27	870	R			From: 96-1126 To: 96-1109					NA			NA		06/18/2001
1111 96	0.21	300	G	97%	0%	1%	1%	0%	0%	C	0.101	F		300	G	2003
1112 96	0.28	260	R			From: SR 205 Y To: 96-1113					NA			NA		06/25/2001
1113 96	0.19	110	R			From: 96-1126 To: 96-1102					NA			NA		06/25/2001
1114 96	0.60	2900	R			From: SR 205 To: 96-1134					NA			NA		06/25/2001
1115 96	0.60	220	R			From: SR 205 To: 96-1143					NA			NA		06/25/2001
1116 96	0.32	80	R			From: 96-1159 To: Dead End					NA			NA		06/25/2001
1117 96	0.12	45	R			From: 96-1118 To: 96-1102					NA			NA		06/25/2001
1118 96	0.19	360	R			From: 96-1127 To: SR 205 Y					NA			NA		06/18/2001
1118 96	0.40	400	R			From: SR 205 To: SR 1114					NA			NA		06/25/2001
1119 96	0.74	190	R			From: SR 205 To: 96-1136 Gap Terminus					NA			NA		06/18/2001
1119 96	0.48	480	R			From: 96-1163 Gap Terminus To: Dead End					NA			NA		06/18/2001
1120 96	0.29	70	R			From: 96-1121 To: 96-1153					NA			NA		06/18/2001
1121 96	1.28	620	G	97%	0%	2%	0%	1%	0%	C	0.097	F	0.567	610	G	2003
1122 96	0.25	40	R			From: 96-1121 To: 96-1101					NA			NA		06/18/2001
1123 96	0.14	80	R			From: 96-1121 North To: 96-1121 South					NA			NA		06/18/2001
1124 96	0.19	240	R			From: Dead End To: 96-1121					NA			NA		06/18/2001
1124 96	0.26	80	R			From: 96-1121 To: 96-1101					NA			NA		06/18/2001

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1125 96	0.32	120	R			From: 96-1158 To: 96-1102					NA			NA		06/18/2001
1126 96	0.13	1600	G	97%	1%	1%	1%	0%	0%	F	0.092	F	0.54	1600	G	2003
1126 96	0.06	1600	G	97%	1%	1%	1%	0%	0%	C	0.094	F	0.651	1600	G	2003
1126 96	0.59	920	G	97%	1%	1%	1%	0%	0%	F	0.093	F	0.566	910	G	2003
1126 96	0.05	420	G	97%	1%	1%	1%	0%	0%	F	0.108	F	0.644	410	G	2003
1126 96	0.30	240	G	97%	1%	1%	1%	0%	0%	F	0.103	F	0.522	240	G	2003
1127 96	0.10	1300	G	97%	0%	2%	0%	0%	0%	C	0.096	F	0.62	1300	G	2003
1127 96	0.17	140	R			From: 96-1107 To: 96-1109					NA			NA		06/18/2001
1128 96	0.18	60	R			From: 96-1121 To: 96-1119					NA			NA		06/18/2001
1129 96	0.28	80	R			From: Dead End To: 96-1101					NA			NA		06/18/2001
1130 96	0.23	50	R			From: 96-1121 To: 96-1101					NA			NA		06/18/2001
1131 96	0.24	130	R			From: 96-1159 To: 96-1102					NA			NA		06/25/2001
1132 96	0.16	520	R			From: 96-1113 To: 96-1114					NA			NA		06/25/2001
1133 96	0.59	310	R			From: SR 205 To: 96-1134					NA			NA		06/25/2001
1134 96	0.12	70	R			From: 96-1114 To: 96-1149					NA			NA		06/25/2001
1135 96	0.27	70	R			From: 96-1160 To: 96-1143					NA			NA		06/25/2001
1136 96	0.16	70	R			From: SR 205 To: 96-1153					NA			NA		06/25/2001
1137 96	0.09	49	R			From: 96-1126 To: 96-1143					NA			NA		06/25/2001
1138 96	0.10	80	R			From: 96-1102 To: Dead End					NA			NA		06/25/2001
1139 96	0.10	80	R			From: 96-1102 To: Dead End					NA			NA		1998

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1140 96	0.27	40	R			From: 96-1160						NA		NA		06/25/2001
						To: 96-1143										
1141 96	0.59	190	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1143										
1142 96	0.58	270	R			From: 96-1143						NA		NA		06/25/2001
						To: SR 205										
1143 96	0.42	130	R			From: 96-1135						NA		NA		06/25/2001
						To: 96-1152										
1144 96	0.20	60	R			From: 96-1121						NA		NA		06/18/2001
						To: 96-1101										
1145 96	0.24	40	R			From: 96-1121						NA		NA		06/18/2001
						To: 96-1101										
1146 96	0.22	48	R			From: 96-1121						NA		NA		06/18/2001
						To: 96-1101										
1147 96	0.27	47	R			From: 96-1121						NA		NA		06/18/2001
						To: 96-1101										
1148 96	0.20	30	R			From: 96-1121						NA		NA		06/18/2001
						To: 96-1119										
1149 96	0.57	180	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1134										
1150 96	0.28	90	R			From: 96-1160						NA		NA		06/25/2001
						To: 96-1143										
1151 96	0.11	47	R			From: 96-1126						NA		NA		06/25/2001
						To: 96-1143										
1152 96	0.55	560	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1143										
1153 96	0.22	100	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1136 Gap Terminus										
1153 96	0.45	160	R			From: 96-1163 Gap Terminus						NA		NA		06/25/2001
						To: Dead End										
1154 96	0.47	330	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1153										
1155 96	0.37	360	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1153										
1157 96	0.06	80	R			From: 96-1158						NA		NA		06/18/2001
						To: Dead End										
1158 96	0.14	150	R			From: 96-1157						NA		NA		06/18/2001
						To: SR 205										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Colonial Beach																
1159 96	0.20	80	R			From: 96-1125						NA		NA		06/25/2001
						To: 96-1116										
1160 96	0.57	500	R			From: 96-1114						NA		NA		06/25/2001
						To: 96-1152										
1161 96	0.47	250	R			From: SR 205						NA		NA		06/25/2001
						To: 96-1153										
1162 96	0.31	130	R			From: 96-1161						NA		NA		06/25/2001
						To: 96-1136										
1163 96	0.25	70	R			From: 96-1161						NA		NA		06/25/2001
						To: 96-1153										
1164 96	0.20	140	R			From: Dead End						NA		NA		1998
						To: SR 205 Y										
1165 96	0.12	40	R			From: 96-1144						NA		NA		06/18/2001
						To: 96-1120										
1166 96	0.16	910	R			From: SR 205; SR 205 Y						NA		NA		06/25/2001
						To: 96-1114										
1166 96	0.06	540	R			From: 96-1133						NA		NA		06/25/2001
						To: 96-1149										
1166 96	0.06	460	R			From: 96-1141						NA		NA		06/25/2001
						To: 96-01141(B)/										
1166 96	0.05	NA				From: 96-01142(R)/						NA		NA		
						To: SR 205 West										
1167 96	0.01	140	R			From: SWCL Colonial Beach						NA		NA		07/11/2001
						To: SCL Colonial Beach										
1167 96	0.01	160	R			From: SR 205 East						NA		NA		07/11/2001
						To: 96-01124(B)/										
1168 96	0.04	NA				From: 96-01121(B)/96-01148(R)/						NA		NA		
						To: 96-01165(B)/										
1169 96	0.14	NA				From: 96-01119(B)/						NA		NA		
						To: 96-01119(B)/										