2014

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.

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.

1 Trail 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:

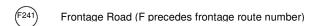
- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

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 81	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
29	US Route	



(600) Secondary Route

Virginia State Route

Special Routes

Bus 29 ALT 220	Bus - Business Route Bypas - Bypass Route Truck - Truck Route ALT - Alternate Route Wve - Wve Route connector
\bigcirc	

- 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 Maintainenance 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 2014

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

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW
	From:		Colonial I	Beach												
205	Town of Colonial Beach (Maint: 96)	1.77	4700	N	98%	0%	0%	0%	1%	0%	N	0.099	N	0.684	4800	N
	To: From:	Y	SR 205				_									
(205) James Monroe Hwy	Town of Colonial Beach (Maint: 96)	0.29	5000	G	98%	1%	1%	1%	0%	0%	F	0.087	F	0.545	5200	G
	Tα:	SCL C	olonial Be	each												
Wye	From:	WCL C	Colonial B	each												
(205)Colonial Ave	Town of Colonial Beach (Maint: 96)	0.69	6800	N	98%	1%	1%	0%	0%	0%	Ν	NA			6900	N
	To:	End State M	End State Maintenance SR 205													

4/21/2015 7

							Joioniai	Всаоп								
Route	Length	AADT	QA	4Tire	Bus		Trı 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Colonial Beach																
Invina Ava	1.35	510	G	98%	0%	96-1121 N 1%	Monroe Ba	y Ave 1%	0%	С	0.121	F	0.587	520	G	2014
1101 Irving Ave	1.33	310		90%	076				0%	U	0.121	Г	0.567	320	G	2014
Pagah Tarraga	0.06	From	<u> </u>			96-110	3 Boundar	y St						NIA		00/07/001
Beach Terrace	0.06	960 To	R			96-110	8 Hawthor	n St			NA			NA		08/07/201
		From														
Bancroft Ave	0.09	110	R			90-111	9 Lossing	Ave			NA			NA		07/08/201
(1102) Bancroft Ave	0.00					06.11.11	D 111	*								0.700,20.
1102 Bancroft Ave	1.08	340 From	<u>1</u> G	98%	0%	1%	Dandridge 0%	0%	0%	F	0.108	F	0.595	350	G	2014
Bancroft Ave	1.00	To	Ť	0070	070		S, Bounda		0 70	•		•	0.000	000	Ğ	2011
\sim		From	i.				N, Bounda	ary St								
Washington Ave	0.12	2300	G	98%	0%	1%	0%	0%	0%	F	0.098	F	0.549	2400	G	2014
<u> </u>		To From				96-112	7 Denniso	n St								
1102 Washington Ave	0.19	3100	G	98%	0%	1%	0%	0%	0%	С	0.09	F	0.51	3200	G	2014
		To From				S	R 205 Y									
1102 Washington Ave	0.28	450	G	98%	0%	1%	0%	0%	0%	F	0.102	F	0.523	460	G	2014
90		To	С			96-11	13 Given	St								
\sim		From				D	ead End									
1103 Boundary St	0.03	47	R								NA			NA		08/07/201
<u> </u>		To From				96-1121 N	Monroe Ba	y Ave								
1103 Boundary St	0.11	640	G	99%	0%	1%	0%	0%	0%	С	0.094	F	0.563	650	G	2014
30		To From				96-1102 E,										
1103 Boundary St	0.09	1800	R		5	96-1102 N	, wasningi	on Ave			NA			NA		08/07/201
Boundary St	0.00	1000				0.0.1.1.1								1471		00/01/201
1103) Boundary St	0.03	760	G	99%	0%	96-11111 1%	rving Ave 0%	North 0%	0%	F	0.106	F	0.657	780	G	2014
Boundary St	0.00	7 ОО	-	33 76	0 70		Beach Te		0 70	-	0.100	·	0.007	700	а	2014
		From	:				Monroe Ba				1					
1104) Thackary St	0.26	60	R			70-11211	violitoe Ba	ly 11vc			NA			NA		08/07/201
Thackary St		To	c			96-1101 S	Yeocomico	Lane								
		From				96-1121 N	Monroe Ba	ıy Ave								
1105 Hamilton St	0.26	30	R								NA			NA		08/07/201
96/		To	c			96-1101 `	Yeocomico	Lane								
		From	i:			96-1121 N	Monroe Ba	y Ave								
1106 Weems St	0.26	70	R								NA			NA		08/07/20
		To	c			96-1101	Yeocomico	Lane			J					
<u> </u>		From				96-1120	Lawrence	Lane								
1107 Marshall Ave	0.37	240	R								NA			NA		08/07/201
<u> </u>		From				96-1	122 Wirt S	St								
Marshall Ave	0.58	510	R								NA			NA		08/07/201
		To From				96-110	3 Boundar	y St								
Garfield Ave	0.12	1100	G	98%	1%	1%	0%	0%	0%	С	0.101	F	0.561	1100	G	2014
311)		Te				96-112	7 Denniso	n St								
1107 Marshall Ave	0.06	1500	R								NA			NA		08/07/201
96)		To	o c			96-111	0 Wilder A	Ave								
		From	·			96-110	7 Garfield	Ave								
1108 Hawthorn St	0.21	920	R								NA			NA		08/07/201
		To	1				Beach Te									
<u> </u>		From				96-110	8 Hawthor	n St						N. A		00/40/00:
Taula a Ot	0.40		R								NA			NA		09/18/201
1109 Taylor St	0.12	800 To				06 111	O W:1.1	A ***			— <u>`</u> ``					
Taylor St	0.12	To					0 Wilder A									
Taylor St	0.12		 L.				0 Wilder A				NA			NA		09/18/201

						own of Colonial B									
Route	Length	AADT	QA	4Tire	Bus	Truc 2Axle 3+Axle	-		QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
own of Colonial Beach		From	1			06 1102 P 1	C.								
Irving Ave	0.21	170	G	97%	3%	96-1103 Boundary 3	0%	0%	С	0.159	F		170	G	2014
1111 Irving Ave	0.21	Т.	Ť	31 /6	0 70	96-1102 Washington		0 70		-0.133			170	ч	2014
		From				SR 205 Y									
1112) Taggart St	0.28	240	R			511 200 1		-		NA			NA		08/07/20
Taggart St		To				96-1113 Given St	t			\square					
		From				96-1126 Jackson S	St								
Given St	0.19	100	R							NA			NA		08/07/20
		To	1			96-1102 Washington	Ave								
O 5: 0:		From	<u> </u>			SR 205									
First St	0.60	1600	R			C 1124 I Ct 7Ft - D	1->			NA			NA		08/07/20
			1			96-1134 Lee St <the be<="" td=""><td>eacn></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></the>	eacn>								
Ninth St	0.60	170	L			SR 205				NA			NA		08/07/20
Ninth St	0.00	To To	r r			96-1143 Beach Av	/e.			\neg			INA		00/01/20
		From				96-1159 Kintz St									
Lincoln Ave	0.32	40	R			70 1137 King St				NA			NA		08/07/20
Lincoln Ave		To				Dead End									
		From				96-1118 Garfield A	ve								
Longfellow Ave	0.12	60	R							NA			NA		08/07/20
yh /		To				96-1102 Washington	Ave								
		From				96-1127 Dennison S	St								
Douglas Ave	0.19	200	R							NA			NA		08/07/20
		Te From				SR 205 Y									
Garfield Ave	0.40	460	R							NA			NA		08/07/20
<u> </u>		Tr	1			96- 1114 First St				Ш_					
<u> </u>		From				96-1102 Bancroft A	ve			<u> </u>					
Lossing Ave	0.74	160	R							NA			NA		08/07/20
		From				96-1147 Nelson S	t			<u> </u>					
Lossing Ave	0.48	540	R							NA			NA		08/07/20
<u> </u>		10				96-1103 Boundary									
	0.00	From				96-1121 Monroe Bay	Ave						NIA		00/07/00
Lawrence Lane	0.29	70	R			96-1101 Yeocomico I	Lana			NA			NA		08/07/20
		From													
Monroe Bay Ave	1.28	570	G	98%	0%	96-1101 Yeocomico I 1% 0%	1%	0%	С	0 129	F	0.575	590	G	2014
96	1.20	To	Ť	0070	0 70	96-1103 Boundary		- 0 70	<u> </u>		·	0.070	000	Ğ	2011
		From				96-1121 Monroe Bay				一					
1122 Wirt St	0.25	50	R			yo 1121 Momoc Bay	1110			NA			NA		08/07/20
96		To				96-1101 Yeocomico I	Lane								
		From	:			96-1121 S; 96-110)4								
Robin Grove Lane	0.14	80	R							NA			NA		08/07/20
30		To			ç	96-1121 N, Monroe Ba	y Ave								
<u> </u>		From	:			Dead End									
Lafayette St	0.19	290	R							NA			NA		08/07/20
		From				96-1121 Monroe Bay	Ave			\supset					
Lafayette St	0.26	60	R							NA			NA		08/20/20
<u> </u>		Tr	1			96-1101 Yeocomico I	Lane								
<u> </u>	•	From				96-1158 Billingsley A	Ave			<u> </u>					00/05:=
Livingstone St	0.32	160	R			06 1102 W	A			NA			NA		08/20/20
			1			96-1102 Washington									
		From	G	060/	1%	96-1127 Dennison 3		0%	F	0.117	_	0.544	1500	_	0014
A	0.40		1.2	96%	1 0/-	.70/2 10/2	110/	119/2	-	0.117	F	0.541	1500	G	2014
Lynnhaven Ave	0.13	1500		0070	1 /0		0%	0 70			•				
Lynnhaven Ave	0.13	1500 From	G	96%	1%	96-1125 Livingstone 2% 1%		0%	C	0.121		0.562	1600	G	2014

					- '		Tri				I/		D: _*			
Route	Length	AADT	QA	4Tire	Bus		3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Colonial Beach		From	1			S	R 205 Y				1					
Jackson St	0.59	860	G	96%	1%	2%	1%	0%	0%	F	0.108	F	0.543	890	G	2014
96		To From				96-1	140 Fifth S	St								
(1126) Myers Ave	0.05	480	G	96%	1%	2%	1%	0%	0%	F	0.107	F	0.63	490	G	2014
	0.00	From	$\overline{}$	000/	10/		141 Sixth S		00/	_	0114		0.010	000		0014
Myers Ave	0.30	280 To	G	96%	1%	2% 96-11:	1% 52 Twelfth	0%	0%	F	0.114	F	0.618	290	G	2014
		From					Lynnhaver				1					
Dennison St	0.10	1100	G	99%	0%	0%	0%	0%	0%	С	0.095	F	0.593	1100	G	2014
96		To From			96-1	107 Marsh	all Ave; G	arfield A	ve							
1127 Dennison St	0.17	120	R								NA			NA		08/20/2013
		То					09 Taylor									
(1128) Jefferson St	0.18	From	R			96-1121 I	Monroe Ba	y Ave			NA			NA		08/20/2013
Jefferson St	0.10	To	<u> </u>			96-111	9 Lossing	Ave						INA		00/20/2010
		From	1				ead End				l					
Madison St	0.28	60	R								NA			NA		08/20/2013
96		То	4			96-1101	Yeocomico	Lane								
		From				96-1121 N	Monroe Ba	y Ave			Щ					
(1130) Sulgrave St	0.23	45 To	R			06 1101 3	Vananuia	Lone			NA			NA		08/20/2013
		From	1				Yeocomico									
(1131) Franklin Ave	0.24	60	R			90-1	159 Kintz S	St			NA			NA		08/20/2013
(1131) Franklin Ave	0.2.	To				96-1102	Washingto	n Ave								00/20/2010
		From				96-11	13 Given	St								
1132 Bryant Ave	0.16	490	R								NA			NA		08/20/2013
		To	1				114 First S	St								
Conned St	0.50	From	╚				SR 205				NA			NA		09/18/2013
(1133) Second St	0.59	230 To	R		9	6-1134 Le	e St <the< td=""><td>Beach></td><td></td><td></td><td></td><td></td><td></td><td>INA</td><td></td><td>09/10/2013</td></the<>	Beach>						INA		09/10/2013
		From	-				114 First S									
(1134) Lee St <the beach=""></the>	0.12	120	R			,,,,	11111111				NA			NA		08/20/2013
96		То	1		96	-1149 Thi	rd St <the< td=""><td>Beach></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></the<>	Beach>								
O = 11.5		From				96-116	0 Dwight A	Ave			Щ					
Fourth St	0.27	140	R			06 11/	12 Danah A	1 7 7 0			NA			NA		08/20/2013
		From					13 Beach A SR 205	ive								
(1136) Riverview Circle	0.16	100	R			,	SK 203				NA			NA		08/20/2013
(1136) Riverview Circle		То				96-1153	Riverviev	w Dr								
		From				96-112	26 Myers A	Ave								
Eleventh St	0.09	48	R								NA			NA		08/20/2013
		То	1				13 Beach A									
(1138) Virginia Ave	0.10	From 50	R			96-1102	Washingto	n Ave			NA			NA		00/20/2012
(1138) Virginia Ave	0.10	To To	<u> </u>			D	ead End							INA		08/20/2013
		From	1				Washingto	n Ave								
(139) Maryland Ave	0.10	80	R								NA			NA		07/08/2010
96		To		_		D	ead End		_							
C 500 00		From				96-116	0 Dwight A	Ave								00/05/55
Fifth St	0.27	70	R			06 11	12 Dan-1- 4	Lvo.			NA			NA		08/20/2013
		From					13 Beach A	ive								
(1141) Sixth St	0.59	70	R				SR 205				NA			NA		08/20/2013
Sixth St		То				96-114	13 Beach A	Ave								

08/20/201: 08/20/201: 08/20/201:
08/20/2013
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08/21/2013
08/21/201
09/18/201

Route	Length	AADT	QA	4Tire	Bus			ruck e 1Trail		QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Colonial Beach								o man	Liian		1 dotoi		1 40101			
Locust Ave	0.47	250	R				SR 205				NA			NA		09/18/2013
(1161) Locust Ave	0.47	230	<u> </u>			96-115	3 Rivervie	ew Dr						INA		09/10/2010
		From					61 Locust									
(1162) Wakefield St	0.31	60	R								NA			NA		08/21/2013
96		То				96-1136	Riverviev	v Circle								
		From				96-11	61 Locust	Ave								
1163 Stratford St	0.25	80	R								NA			NA		08/21/2013
<u> </u>		To				96-115	3 Rivervi	ew Dr								
Manusa Ct	0.00	From	ᆫ]	Dead End				—			NA		07/00/004
Monroe St	0.20	130 To:	R			-	SR 205 Y				NA			INA		07/08/2010
		From:	l					. T								
1165) Esmond Lane	0.12	50	L			96-1144	Dandridg	ge Lane			NA			NA		08/21/201
1165 Esmond Lane	0	To				96-1120) Lawrenc	e Lane								00/21/2011
		From:					SR 205 Y									
1166 Euclid St	0.16	960	R								NA			NA		08/21/2013
96		To				96-	1114 First	St								
1166 Euclid St	0.06	620 From:	R			,,,	111111111111111111111111111111111111111				NA			NA		08/21/2013
96		To				96-1	133 Secon	d St								
1166 Euclid St	0.06	580 From:	R								NA			NA		09/18/2013
96		To			96	-1149 Th	nird St <t< td=""><td>he Beach></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	he Beach>								
Euclid St	0.13	330 From:	R		,,,	11 1,7 11	ind St (1)	iic Beacin			NA			NA		09/18/2013
96		To	_			96-	1141 Sixth	St			— —					
(1166) Euclid St	0.05	170 From	R			,,,,	II II GIXU	. Bt			NA			NA		08/21/2013
(1166) Euclid St		To				96-11	142 Seven	th St								
		From				SR	205 WES	ST								
Darl Circle	0.01	80	R								NA			NA		08/21/2013
90		To: From:					Colonial									
(1167) Darl Circle	0.01	160	R			SCL	Colonial B	eacn			NA			NA		07/11/200
(1167) Darl Circle		To:	Ë			SR	205 EAS	Т								
		From:					24 Lafaye									
Bell Ave	0.04	120	R								NA			NA		08/21/2013
96		To				96-1	121; 96-1	148								
		From				96-116	55 Esmond	Lane								
Spotswood Lane	0.14	30	R								NA			NA		08/21/2013
<u> </u>		To				96-11	19 Lossing	g Ave								