### 2010

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

where available

# Special Locality Report 187

Town of Chatham

Information in this report is included in Report

**71** 

(Pittsylvania 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 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	
7	Virginia State Rou	te
(F241)	Frontage Road (F	precedes frontage route number)
(600)	Secondary Route	

#### **Special Routes**

Bus	Bus - Business Route	
{29}	Bypas - Bypass Route	
	Truck - Truck Route	
ALT	ALT - Alternate Route	
(220)	Wye - Wye 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 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 2010 de Daily Traffic Volume Estimates By Section of Route

	Annual Average D	-	volume E n of Chat		es by Se	ection o	r Route
Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	2Axle 3+Axle

Route	Jurisdiction	Length AADT	QA	4Tire	Bus		Trι	ıck		QC	K	QK	Dir	AAWDT	OW
Roule	Junsulction	Lengur AADI	QA	41116	Dus	2Axle	3+Axle	1Trail	2Trail	QC	Factor	QI	Factor	AAWDI	QVV
	From:	SCL Chathar	m												
(29)	Town of Chatham (Maint: 71)	0.03 <b>18000</b>	N	85%	1%	1%	1%	12%	1%	Ν	0.078	Ν	0.512	17000	Ν
<u> </u>	To	Bus US 29 South I	Main St			_									
29	Town of Chatham (Maint: 71)	0.76 <b>11000</b>	G	85%	1%	1%	1%	12%	1%	F	0.079	F	0.506	11000	G
	To:	NCL Chatha	m												
Bus	From:	US 29 South of C	hatham												
(29) S Main St	Town of Chatham (Maint: 71)	1.36 <b>5900</b>	G	97%	0%	1%	0%	1%	0%	С	0.085	F	0.518	6400	G
	To:	SR-57 S, Halifa	x Rd			$\neg$ $\vdash$									
Bus (29) (57) S Main St	Town of Chatham (Maint: 71)	0.19 <b>5900</b>	N	97%	0%	1%	0%	1%	0%	N	0.085	N	0.518	6400	N
<u> </u>	To- From:	SR-57 N, Depo	ot St			<u> </u>									
Bus 29 N Main St	Town of Chatham (Maint: 71)	0.90 4100	G	97%	0%	1%	0%	1%	0%	F	0.087	F	0.54	4500	G
29	To	NCL Chatha		0170				.,.		-		-			
	From:	WCL Chatha	m												
57 Depot St	Town of Chatham (Maint: 71)	0.52 <b>3500</b>	N	91%	1%	1%	1%	6%	0%	Ν	0.089	Ν	0.547	3700	Ν
$\bigcirc$	To:	Bus US 29 N, S N	Iain St												
Bus	From:	BUS US 29													
57) (29) S Main St	Town of Chatham (Maint: 71)	0.19 <b>5900</b>	N	97%	0%	1%	0%	1%	0%	Ν	0.085	Ν	0.518	6400	N
$\sim$	To:	BUS US 29													
	From	Bus US 29 S, S M		000/	00/		00/	00/	00/	_	0.000	_	0.500	4000	0
(57) Halifax Rd	Town of Chatham (Maint: 71)	0.18 1100	G	96%	0%	1%	0%	2%	0%	С	0.098	F	0.528	1200	G
<u> </u>	10:	ECL Chatha	m												

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# Virginia Department of Transportation Traffic Engineering Division 2010 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Chatham

							0. 0	namam								
Route	Length	AADT	QA	4Tire	Bus			Truck- Axle 1T		QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Chatham		From					<b>5</b> 11				-					
(F632) Haymes Lane	0.48	2	R				Dead l	End			NA			NA		08/08/200
,		To				71	l-694 Da	avis Rd								
		From				71-1	1407 Mi	litary Dr								
685 Hurt St	0.13	380	R								NA			NA		09/08/200
		From					Bus US	S 29								
685 Hurt St	0.44	980	G			т.	CI CI	-41			NA			1000	G	2010
		From	1				ECL Ch				<u> </u>					
694) Davis Rd	0.52	150	R			D	Dead End	a; Gap			NA			NA		08/29/200
694) Davis Rd	0.02	To	···			71.17	120 E C	1-1-1 1 D			<del>-</del>					00/20/200
694) Davis Rd	0.27	1200 From	R			/1-14	120 E, C	akland Dr			NA			NA		08/29/200
(694) Davis Rd	-	То				US	29 Bus	SOUTH								
O W	0.50	From	<u> </u>			US	29 Bus	NORTH								00/00/00
694 Woodland Heights	0.50	300 To	R				Dead l	End			NA			NA		08/29/200
		From									1					
1401) Pruden St	0.03	1000	R				Bus US	5 29			NA			NA		09/08/200
Pruden St	0.00	To				71	1410 D	C4								00,00,200
1401) Pruden St	0.03	870 From	R			/1-	-1419 P	ayne st			NA			NA		09/08/200
Pruden St		To				71	1-1408 I	Paid St								
1401) Pruden St	0.03	1500	R			/1	1-1406 1	Xeiu Si			NA			NA		09/08/200
Pruden St		To				71	I-1418 E	Ponk Ct								00,00,=0
1401) Pruden St	0.09	790 From	R			/1	1-14101	Dalik St			NA			NA		09/08/200
Pruden St		To				71	-1404 P	aach St								
1401) Pruden St	0.01	330 From	R			/1	-14041	caciist			NA			NA		09/14/200
(1401) Pruden St		То					Dead l	End								
		From				S	R 57 De	pot St								
1402 Carter St	0.09	990	R								NA			NA		09/14/200
<u> </u>		To From				71	I-1415 E	Bank St								
Whittle St	0.10	870	R								NA			NA		09/14/200
		To From				71-1	1407 Mi	litary Dr								
Whittle St	0.09	430	R								NA			NA		09/14/200
		To From				71-	1414 W	hittle St								
1402 Rison St	0.20	170	R								NA			NA		09/14/200
		10					VCL Ch									
1403) Whitehead St	0.06	From <b>560</b>	R			Sl	R 57 De	epot St			NA			NA		09/02/200
Whitehead St	0.00	300												INA		09/02/200
1403) Whitehead St	0.07	620 From	R			71-14	416 Sug	ar Hill Rd			NA			NA		09/02/200
(1403) Whitehead St	0.07	020												14/3		03/02/200
(1403) Whitehead St	0.37	820 From	R			71-	-1440 D	epot St			NA			NA		09/02/200
(1403) Whitehead St	0.07	To	Ë				Bus US	S 29			¬'``			14/1		00/02/200
		From				71-	-1401 Pı	uden St								
1404 Peach St	0.10	540	R				-				NA			NA		06/01/200
(1)		To				71-	1405 La	nier Ave								
1404 Peach St	0.15	530 From	R								NA			NA		06/01/200
<u></u>		To From	-			7!	1-1410 I	Holt St			¬—					
1404) Peach St	0.15	520 From	R								NA			NA		06/01/200
<i>'</i> 1)		- To	-			7	1-1412 (	Oak St			_					
Peach St	0.19	540 From	R								NA			NA		06/01/200
<i>'</i> '		To From	-			7	1-685 H	Iurt St			¬—					
Peach St	0.10	530 From	R								NA			NA		06/01/200
		To				Bus	US 29;	71-1441								

# Virginia Department of Transportation Traffic Engineering Division 2010 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Chatham

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Route	Length	AADT	QA	4Tire	в В	us			Trucl -Axle 1		( )( ;	K Factor	QK	Dir Factor	. AA	AWDT	QW	Year
Town of Chatham		From	ī				71.1	407 M	:1:4 D									
(1405) Church Lane	0.07	140	R				/1-1	1407 M	ilitary Dr			NA				NA		09/08/2009
71)		Fron					71	-1422 I	Hunt St			_						
Church Lane	0.07	190	R									NA				NA		09/08/2009
<u> </u>	0.00	Fron	Ĺ					Bus U	S 29							NIA		00/04/000
Lanier Ave	0.22	430	R		—		71-	-1404 P	each St			NA				NA		06/01/2009
		Fron							ilitary Dr									
1406 71 Center St	0.13	650	R									NA				NA		09/08/200
		Fron						Bus U										
1407) Military Dr	0.06	550	R				71-1	1402 W	hittle St			 NA				NA		09/08/200
(1407) Military Dr		Т					71-	-1406 C	enter St									
1407 Military Dr	0.07	650 From	R				,,	1.00 C	enter Bt			NA				NA		09/08/2009
		To From					71-14	405 Ch	urch Lane	;		$\Box$						
1407 Military Dr	0.15	470	R									NA				NA		09/08/2009
		From					71-14	10 Har	grave Blv	d		⇉┈						22/22/22
Military Dr	0.24	280 T	R				71	1-685 H	Inrt St			NA				NA		09/08/2009
		Fron	l						ifax Rd									
(1408) Reid St	0.22	1000	R									NA				NA		09/08/2009
		Т							ruden St									
Spruce Hill St	0.19	90	R				71	1-685 F	Hurt St			 NA				NA		09/08/2009
	0.19	<b>30</b>						Bus U	S 29							INA		09/00/200
		Fron					71-1	1407 M	ilitary Dr									
Hargrave Blvd 0.	0.14	540	R									NA				NA		09/02/2009
_			To: From:					Bus U	S 29									
1410 Holt St	0.01	280	R									NA 				NA		09/02/2009
O Holt Ct	0.14	From	Ļ				71-1	1413 G	ilmer Dr			$\perp$				NIA		06/04/200
1410 Holt St	0.14	180	R					~				NA				NA		06/01/2009
1410 Holt St	0.07	250 From	R				71-1	1411 Ca	atalpa Dr			NA				NA		06/01/2009
(1370)		Т					71-	-1404 P	each St									
		Fron					71	1-1410	Holt St									
(1411) Catalpa Dr	0.14	140	R				71	1 1 1 1 2	0.1.0			NA				NA		06/01/2009
		Fron	<u> </u>					1-1412										
1412) Oak St	0.07	110	R				/1-1	1411 Ca	atalpa Dr			NA				NA		06/01/2009
(1412) Oak St	0.0.	т					71-	-1404 F	each St									00,01,200
		Fron					71	1-1410	Holt St									
Gilmer Dr	0.08	40	R									NA				NA		09/16/2009
		Т						Bus U	S 29									
AMILITA OF	0.40	From	Ļ					Dead	End									00/44/000
Whittle St	0.19	120	R			71	-1402	Rison !	St; Whitt	e St		NA				NA		09/14/2009
		From	<u> </u>						St; Cart									
1415 Bank St	0.03	980	R				1102	***************************************	o or, cur			NA				NA		09/16/2009
<u></u>		Ti-						us US 2				=						
1415) Court Place	0.07	500	R			—	7	71-1419	9 Gap			 NA				NA		09/14/2009
(1415) Court Place	0.07	300 Ti				—	71-	-1418 I	Bank St							14/7		JJ/ 14/2003
		From							itehead S	t		i						
(1416) Sugar Hill Rd	0.26	250	R									NA				NA		09/02/2009
		т					SF	R 57 De	epot St									

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# Virginia Department of Transportation Traffic Engineering Division 2010 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Chatham

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Route	Length	AADT	QA	4Tire	Bus			ruck le 1Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Chatham		From	1			71.1	401 D 1-	C4							
(1418) Bank St	0.03	540	R			/1-1	401 Prude	n St		NA			NA		09/14/2009
1719		To				71-14	15 Court I	Place							
		From				]	Dead End								
Payne St	0.03	170	R							NA			NA		09/14/2009
<u> </u>		To From				71-1	401 Prude	n St							
(1419) Payne St	0.04	260	R							NA			NA		09/14/2009
<u> </u>		То				71-14	15 Court I	Place							
O 0 11 15	0.00	From	<u> </u>			71-69	4 W, Davi	s Rd		٠.,					00/00/000
Oakland Dr	0.20	300	R							NA 			NA		09/02/200
O alla sal Da	0.40	From	Ļ			71-142	6 N, Hedr	ick Dr					NIA		00/00/000
Oakland Dr	0.10	250	R							NA			NA		09/02/200
<u> </u>		From				71-142	26 S, Hedri	ick Dr		<u> </u>					00/00/000
Oakland Dr	0.02	390 <sub>To</sub>	R			71.60	M.E. Dovi	o D.d		NA			NA		09/02/200
		From					94 E, Davis			<u> </u>					
(1421) Jefferson Rd	0.21	170	R			71-6	694 Davis	Rd		 NA			NA		09/02/200
(1421) Jefferson Rd	0.21	To				]	Dead End			$\exists$			IVA		03/02/200
		From	:				05 Church								
Hunt St	0.09	90	R							NA			NA		09/08/200
71)		To	:			]	Dead End								
		From	:			71-6	694 Davis	Rd							
(1423) Washington Court	0.03	40	R							NA			NA		09/02/200
		То	<u> </u>			]	Dead End								
O		From	·			SR	57 Depot	St							
1424 Paul Rd	0.23	600 To	R			,	D 1E 1			NA			NA		09/02/200
			<u> </u>				Dead End								
1426) Hedrick Dr	0.25	160	R			71-14	120 Oaklan	ıd Dr		 NA			NA		09/02/200
(1426) Hedrick Dr	0.23	To				71-14	120 Oaklan	nd Dr					INA		03/02/200
		From	:				Dead End			l					
(1427) Minor Rd	0.12	90	R				Dead Elid			NA			NA		09/02/200
71		To	:			I	Bus US 29								
		From	:			71-140	)3 Whitehe	ead St							
Depot St	0.29	190	R							NA			NA		09/02/200
<u> </u>		To	:			SR	57 Depot	St							
<u> </u>		From				Bus U	JS 29; 71-	1404							
1441) Lynn St	0.12	170	R							NA			NA		06/01/200
							Dead End								
Cyararaan Dd	0.20	From	Ļ			I	Bus US 29			NIA			NIA		00/02/200
Evergreen Rd	0.20	140 To	R			1	Dead End			NA T			NA		09/02/200
		From	:				1402 Risor								
1449) Aston Place	0.08	130	R			/1-1	402 KISOI	131		NA			NA		09/14/200
Aston Place		То				]	Dead End								
		From	:			71-1	1411; 71-14	412							
1460 Catalpa Dr	0.13	300	R							NA	A		NA		08/28/200
<u> </u>		To	:			71-	-685 Hurt	St							
		From				Chatl	ham Elem	Sch							
9323) Chatham Elementary La	0.06	110	R							NA			NA		03/09/200
<u> </u>		To	<u></u>			I	Bus US 29		 						
<u> </u>		From				Cen	tral Elem S	Sch		<u> </u>					00/00:5
(9495) Central School Lane	0.25	700 To	R				D 110 00			NA			NA		03/09/200
		10	1			E	Bus US 29								

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