### 2010

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

where available

# Special Locality Report 248

Town of Keysville

Information in this report is included in Report

**19** 

(Charlotte 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 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Kevsville

Route	Jurisdiction	Length AAD	T QA	4Tire	Bus		Trı 3+Axle		2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
Bus Bus	From:	CL Keys	sville												
(15)(360)	Town of Keysville (Maint: 19)	0.73 <b>120</b>	0 N	93%	1%	1%	1%	4%	0%	Ν	0.097	Ν	0.54	1300	Ν
Pura Pura	To: From:	S SR	40												
Bus Bus (15) (360) (40) McDonald Rd	Town of Keysville (Maint: 19)	0.56 <b>480</b>	0 G	93%	1%	1%	1%	4%	0%	F	0.101	F	0.565	5100	G
<del>\$\$</del> \$	To	N SR	40												
Bus Bus (15) (360) Four Locust Hwy	Town of Keysville (Maint: 19)	0.37 400	0 G	93%	1%	1%	1%	4%	0%	F	0.096	F	0.554	4200	G
	To:	CL Keys	ville												
	From:	WCL Key	sville												
40 Church St	Town of Keysville (Maint: 19)	0.54 <b>210</b>	0 N	81%	1%	1%	2%	15%	0%	Ν	0.109	Ν	0.547	2200	Ν
40	To:	Bus US 15, B													
Bus Bus	From:	W US 15	BUS												
40) (15) (360) McDonald Rd	Town of Keysville (Maint: 19)	0.56 <b>480</b>	0 G	93%	1%	1%	1%	4%	0%	F	0.101	F	0.565	5100	G
	To:	E US 15	BUS												
	From:	US 15, US 360; E	CL Keysvi	le											
(40) Lunenburg Hwy	Town of Keysville (Maint: 19)	0.40 <b>290</b>	0 G	90%	2%	1%	2%	5%	0%	F	0.085	F	0.553	3000	G
$\overline{}$	To:	ECL Key	sville												
	From:	WCL Key	sville												
(59)	Town of Keysville (Maint: 19)	0.58 140		93%	1%	1%	1%	4%	0%	Ν	0.094	Ν	0.524	1500	Ν
(33)	Tn:	SR 40 Ke	ysville												
Bus Bus	From:	CL Keys				<u> </u>									
~~~	Town of Keysville (Maint: 19)	0.73 <b>120</b>		93%	1%	1%	1%	4%	0%	N	0.097	N	0.54	1300	N
(360) (15)	Town of Reysville (Maint: 19)			3370	1 70	1 /0	1 /0	470	0 /0	IN	0.031	14	0.54	1300	IN
Bus Bus	To- From:	S SR	40												
360 (15) (40) McDonald Rd	Town of Keysville (Maint: 19)	0.56 <b>480</b>	0 G	93%	1%	1%	1%	4%	0%	F	0.101	F	0.565	5100	G
Bus Bus	To: From:	N SR	40												
360 15 Four Locust Hwy	Town of Keysville (Maint: 19)	0.37 400	0 G	93%	1%	1%	1%	4%	0%	F	0.096	F	0.554	4200	G
$\overline{\qquad}$	To:	CL Keys	ville												

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

						TOWIT	n Keysville	;								
Route	Length	AADT	QA	4Tire	Bus		Trucl 3+Axle 1			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Kevsville		Fron	:			SCI	Keysville				-					
629 Southern Dr	0.24	220	R			BCL	Reysvine				NA			NA		05/16/2006
<u></u>		Tr	·			US 15 l	Bus NORTH									
		Fron				WCL	Keysville									
688 Blue Stone Rd	0.07	160	R		~~ 10 c						NA			NA		04/21/200
		From	1		SR 40 C		George Wash	ington H	lwy		1					
(712) Church St	1.02	710	R			Bu	s US 15				 NA			NA		04/21/200
(712) Church St	1.02	To				NCL	Keysville				T)			10.		0 1/2 1/200
		Fron	:		1	9-712 Hors	eshoe Bend I	Road								
714 Railroad Ave	0.10	450	R								NA			NA		04/21/200
199		Te Fron				19-71	6 Farrar St									
714 Railroad Ave	0.02	320	R								NA			NA		04/21/200
19)		To				De	ad End									
O 10		Fron				De	ad End									0=/00/000
(715) J St	0.06	2	R								NA —			NA		05/02/200
<u> </u>	0.07	Fron	<u> </u>			19-757	Osborne St									05/00/000
(715) J St	0.07	530	R			Ru	s US 15				NA			NA		05/02/200
		Fron					Railroad Ave									
716) Farrar St	0.35	630	R			19-/14	Xaiii Oau Ave				NA			NA		05/02/200
716 Farrar St		To			1	0.712 Hom	eshoe Bend I	Pood								
716) Farrar St	0.20	270 From	R		1	9-/12 HOIS	eshoe bend i	Coau			NA			NA		05/02/200
716 Farrar St		To	_			De	ad End									
		Fron	:			Bu	s US 15									
718) H St	0.08	870	R								NA			NA		05/02/200
19		To			1	9-712 Hors	eshoe Bend I	Road								
O 0 15 A	0.07	Fron				De	ad End									05/40/000
(722) Spaulding Ave	0.07	400	R								NA			NA		05/16/2000
On and discuss Asses	0.05	From	<u> </u>			19-757	Osborne St							NIA		05/40/000
(722) Spaulding Ave	0.05	1000 To	R			Ru	s US 15				NA			NA		05/16/2000
		From					Osborne St									
731) Pettus St	0.07	100	G	86%	1%	0%		11%	0%	С	0.127	F	0.6	100	G	2010
(731) Pettus St		To	:		Bus	US 15; SR	40, Lunenbu	rg Hwy								
		Fron	:			Bu	s US 15									
(735) Pecan St	0.08	70	R								NA			NA		04/21/2009
		Tr Fron				19-78	9 Pecan St				_					
(735) Pecan St	0.02	10	R								NA			NA		04/21/2009
		To	1			De	ad End									
/ Wilson Ct	0.40	From					SR 59							NIA		05/00/000
(739) Wilson St	0.12	140	R			19-76	5 Arvin St				NA T			NA		05/02/200
		Fron					5 Arvin St									
(757) Osborne St	0.03	350	R			15-70	3 AIVIII St				NA			NA		04/21/2009
(757) Osborne St		To	:			19-772	E, Hill Ave									
Oak 01	0.40	From		000/	40/		, Railroad A		00/	_		_	0.505	000	_	0040
(757) Osborne St	0.42	280	G	98%	1%	1%		0%	0%	С	0.126	F	0.585	290	G	2010
Ook C'	0.44	From	<u> </u>			19-73	1 Pettus St							NI A		04/04/0000
757 Osborne St	0.14	310	R			19,722 9	paulding Av	<u> </u>			NA			NA		04/21/2009
		Fron	1								<u> </u>					
(758) I St	0.11	30	G	98%	1%	1%	ad End 0%	0%	0%	F	NA			30	G	2010
(758) I St		To	<u> </u>		. 70					•	— <u> </u>					
(758) I St	0.09	120 From	G	98%	1%	19-757	Osborne St 0%	0%	0%	С	0.178	F	0.579	120	G	2010
(1,20)	0.00	To		3070	. 70		s US 15		3,3		<u> </u>	•	2.0.0	0	_	_0.0

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

Route	Length	AADT	QA	4Tire	Bus		Tri 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Kevsville		From	1			P	us US 15				1					
758 I St	0.09	420	R			ь	us US 13				NA			NA		04/21/2009
197		To				19-712 Ho	orseshoe Be	end Rd								
<u> </u>		From				19-7	95 Arvin R	ld.								
765 Arvin St	0.05	200	R				CD 50				NA			NA		05/02/2006
		From	:				SR 59 Merry Oaks	s Dr								
765 Front St	0.15	160	G	98%	1%	0%	0%	1%	0%	F	0.118	F	0.583	170	G	2010
		To	-			19-75	7 Osborne	St			<b>—</b> —					
765 Front St	0.15	150	G	98%	1%	0%	0%	1%	0%	С	0.153	F	0.586	160	G	2010
19)		To				US 15	BUS; SR	40								
<u> </u>		From				В	us US 15									
(769) Mary Knoll Lane	0.23	100 To	R				15.1				NA			NA		05/16/200
			1				Dead End									
(771) Shaw Dr	0.10	From	R			19-7	16 Farrar S	St			NA			NA		05/02/200
(771) Shaw Dr	0.10	00									INA			INA		03/02/2000
(771) Shaw Dr	0.10	From	R			19-796	Shadow L	ane			NA			NA		05/02/2006
(771) Shaw Dr	0.10	To	:			Г	Dead End							INA		03/02/2000
		From	:				L Keysville	,								
772 Hill Ave	0.38	230	N	99%	0%	0%	1%	0%	0%	N	0.132	Ν	0.536	240	Ν	2010
(10)		To					W, Osborn	na St								
(772) Railroad Ave	0.10	520 From	G	99%	0%	0%	1%	0%	0%	С	0.105	F	0.621	540	G	2010
(772) Railroad Ave		To	:				us US 15									
		From	:			19-7	74 Priddy S	St								
773 Priddy St	0.05	90	R								NA			NA		04/21/2009
(19)		To	<u> </u>				SR 59									
O		From				19-826 M	Ierry Oakes	s Lane								
774 Priddy St	0.16	<b>40</b>	R			10.5	72 D : 11 .	7.			NA			NA		04/21/2009
			1				73 Priddy S	St								
Mary Ave	0.04	From <b>190</b>	R				SR 59				 NA			NA		05/02/2000
776 Mary Ave	0.04	To				19-7	72 Hill Av	e						INA		03/02/2000
		From					Dead End				i					
781 Pine Haven St	0.09	60	R				ocad End				NA			NA		05/16/2006
(19)		To				SR 40 I	unenburg l	Hwy								
		From	:			19-7	16 Farrar S	St								
(787) Keysville Main St	0.09	90	R								NA			NA		05/02/2006
		To From				19-796	Shadow L	ane								
(787) Keysville Main St	0.05	2	R								NA			NA		05/02/2006
13)		To	:			Ε	Dead End									
O		From				Ε	Dead End									
789 Pecan St	0.06	80	R			10.7	25 D G	1.			NA			NA		04/21/2009
		-	<u> </u>				35 Pecan S	it								
(795) Arvin Rd	0.08	From	R				Dead End				 NA			NA		05/02/2006
795) AIVIII Ku	0.00	To	· 🗀			19-7	65 Arvin S	St						INA		03/02/2000
		From	i				us US 15				i					
(796) Shadow Lane	0.08	150	R				00 10				NA			NA		04/21/2009
(796) Shadow Lane		To	_			19-787 ¥	eysville M	ain St								
(796) Shadow Lane	0.12	100 From	R			17-101 K	wysviiit IVI	um Ol			NA			NA		04/21/2009
796 Shadow Lane		To				19-7	71 Shaw D	)r						<u> </u>		
		From					us US 15				Ī					
823 June Lane	0.10	90	R				-				NA			NA		04/20/2006
19/		To				19-82	4 Leisure I	Dr								

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

Route	Length	AADT	QA	4Tire	Bus	2Axle	Tr 3+Axle		2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year	
Town of Kevsville																	
		From	-			D	ead End										
(824) Leisure Dr	0.15	20	R								NA		NA		04/20/2006		
(19)		To		19-823 June Lane													
		From				19-826 N	1erry Oaks	Lane									
825 Merry Oaks Lane	0.35	20	R								NA			NA		05/02/2006	
(19)		To	-				SR 59										
		From				WCI	L Keysvill	e									
826 Merry Oaks Lane	0.10	30	R								NA			NA		05/02/2006	
197		To	:				SR 59										

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