2009

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

where available

Special Locality Report 223

Town of Glasgow

Information in this report is included in Report

81

(Rockbridge 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.

Route	Jurisdiction	Length AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW
	From:	WCL Glasgo	v												
(130) Rockbridge Rd	Town of Glasgow (Maint: 81)	1.60 3400	N	94%	0%	1%	6 1%	4%	0%	Ν	0.096	N	0.52	3600	Ν
\smile	То:	ECL Glasgow													

						I OWN	oi Giasg	OW								
Route	Length	AADT	QA	4Tire	Bus		Tru 3+Axle		2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Glasgow		Fron	1:			D	and End				1					
679 Second St	0.07	30	R			<u> </u>	ead End				NA			NA		08/02/2004
679 Second St	0.06	Fron	R				Pocahonta				NA			NA		10/03/2007
	0.07	Fron	R				N, Catawb S, Catawb				NA			NA		08/02/2004
(679) Second St		To	:			WC	L Glasgow									
684 Blue Ridge Rd	0.50	90	R			D	ead End				NA			NA		07/28/2004
684 Blue Ridge Rd	0.18	3500	G	95%	0%	SR 1301	Rockbridge 1%	Rd 3%	0%	С	0.116	F	0.648	3700	G	2009
684 Blue Ridge Rd	0.14	1700	G	95%	0%	81-783 1%	Anderson 1%	St 3%	0%	F	0.093	F	0.558	1800	G	2009
684 Blue Ridge Rd	0.26	970 From	G	95%	0%	81-110 1%	6 Powhatan 1%	3%	0%	F	0.097	F	0.649	1000	G	2009
<u> </u>	2.22	Fron		252/	201		4 Shawnee		201	_		_	2011	200		
684 Blue Ridge Rd	0.36	820 Tr	G	95%	0%	1% WC	1% L Glasgow	3%	0%	F	0.092	F	0.614	860	G	2009
783 Anderson St	0.12	110	R				2 Twelfth				NA			NA		10/09/2007
783 Anderson St	0.30	220 From	R			81-111	4 Eleventh	St			NA			NA		07/28/2004
783) Anderson St	0.28	2200 From	R				Blue Ridge O1 Sixth S				NA			NA		10/03/2007
784) Tenth St	0.07	From	R				1 Virginia				NA			NA		07/28/2004
784 Tenth St	0.06	150	R			81-111	0 Kanawha	St			NA			NA		10/09/2007
(784) Tenth St	0.10	420	R			SR 130	Rockbridge	Rd			NA			NA		07/28/2004
(784) Tenth St	0.07	100	R			81-783	Anderson	St			NA			NA		10/09/2007
(87)		To				81-1107	McCulloc	h St								
826) Pine View Dr	0.05	100	R			SR 130	Rockbridge	Rd			NA			NA		07/12/2001
826 Pine View Rd	0.12	Fron	R				18 Laurel R	Rd			NA			NA		07/12/2001
		Fron	1:				ead End	C4								
(1101) Sixth St	0.06	390	R				Anderson				NA			NA		10/03/2007
(1101) Sixth St	0.06	520 From	R			81-1107	McCulloci	h St			NA			NA		10/03/2007
Sixth St	0.12	1000	R			81-110	5 Powhatan	St			NA			NA		07/28/2004
(1101) Sixth St	0.06	490	R			81-1115	Pocahonta	s St			NA			NA		10/03/2007
(1101) Sixth St	0.06	50 From	R				5 Catawba				NA			NA		07/28/2004
	2.27	Fron	1:				4 Shawnee Gordon Pl									40/00/205
Seventh St	0.05	70	R			81-11	08 Fitzlee S	St			NA			NA		10/03/2007

							of Gla									
Route	Length	AADT	QA	4Tire	Bus	:	 e 3+Ax	Truck de 1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Glasgow		Fron	e I								-					
(1102) Seventh St	0.06	420	R			61-1	108 Fitzle	ee si			NA			NA		07/28/2004
RI		To Fron				81-78	33 Anders	son St			_					
(1102) Seventh St	0.06	100	R								NA			NA		10/03/2007
	0.06	90 From	R			81-110	7 McCul	loch St			NA			NA		10/03/2007
(1102) Seventh St	0.00	30				81	1-1106 Ga	ар						INA		10/03/2007
Coventh Ct	0.06	From				81	1-1119 Ga	ap						NA		10/02/2007
Seventh St	0.06	70	R			01 111	5 D l	C4			NA —			INA		10/03/2007
Seventh St	0.06	170 From	R			81-111	5 Pocaho	ntas St			NA			NA		07/28/2004
81		Te Fron				81-11	105 Cataw	vba St			\neg —					
Seventh St	0.06	360	R								NA			NA		10/03/2007
		Fron					04 Shawr									
(1103) Eighth St	0.10	310	R			SR 130) Rockbri	dge Rd			NA			NA		07/28/2004
Eighth St		Т	-			81-1	109 Gord	on Pl								
Eighth St	0.05	250 From	R			011	109 0014				NA			NA		10/03/2007
AI)		Tr					1-1108 Ga									
(1104) Shawnee St	0.04	460	R			81-684	Blue Rio	dge Rd			 NA			NA		07/28/2004
Shawnee St	0.04	1 00				01 11	102 Carran	ath Ct						INA		01/20/2004
(1104) Shawnee St	0.12	80 From	R			01-11	102 Sever	iui St			NA			NA		10/03/2007
Shawnee St		To Fron	-			81-1	1101 Sixt	h St								
Shawnee St	0.13	60	R								NA			NA		10/03/2007
$\overline{}$		Fron				81-	1120 Fiftl	h St			\supset					
(1104) Shawnee St	0.13	60	R								NA 			NA		10/03/2007
(1104) Shawnee St	0.20	50 From	R			81-1	117 Four	th St			 NA			NA		07/28/2004
Shawnee St	0.20	To	:]	Dead End	i						IVA		01/20/2004
		Fron				81-11	102 Sever	nth St								
(1105) Catawba St	0.12	170	R								NA			NA		10/03/2007
	0.42	From				81-	1101 Sixt	h St			\supset			NIA		07/00/0004
(1105) Catawba St	0.13	400	R					. ~			NA			NA		07/28/2004
(1105) Catawba St	0.12	390 From	R			81-	1120 Fiftl	h St			NA			NA		10/03/2007
Catawba St		To	-			81-1	117 Four	th St								
(1105) Catawba St	0.11	600 From	R			-					NA			NA		08/02/2004
_		Fron				81-1	1116 Thir	d St								
(1105) Catawba St	0.10	600	R								NA			NA		10/03/2007
O 0 1 1 01	0.02	From				81-67	9 S, Seco	ond St			\supset			NΙΔ		00/02/2004
(1105) Catawba St	0.02	310	R								NA			NA		08/02/2004
(1105) Catawba St	0.12	40 From	 R			81-67	9 N, Seco	ond St			NA			NA		10/03/2007
(1105) Catawba St		To				81-	1115, Firs	st St								
		From				81-684	Blue Ric	dge Rd								
Powhatan St	0.13	800	R								NA —			NA		07/28/2004
<u> </u>	0.12	To From	Ļ			81-11	102 Sever	nth St						NA		10/03/2007
Powhatan St	0.12	790	R			81-	1101 Sixt	h St			NA T			INA		10/03/2007
		From					14 Eleve									
1107 McCulloch St	0.10	70	R								NA			NA		07/28/2004
$\overline{}$		Tr]			81-	784 Tentl	h St								

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Route	Length	AADT	QA	4Tire	Bus	2Axle 3-	Truck +Axle 1Trai	I 2Trail	QC Fa	Ctor QI	DirFactor	AAWDT	QW	Year
Town of Glasgow		Fron	1:			81-784 7	enth St		ī					
1107 McCulloch St	0.17	160	R			01-/0 4 I	cau ot		N	Α		NA		10/09/200
(81)		To From): 1:			81-684 Blue	Ridge Rd							
1107 McCulloch St	0.14	430	R						N	A		NA		10/03/200
O	0.40	From	<u>;</u>			81-1102 S	eventh St			^		NIA		40/00/000
McCulloch St	0.12	240	R			81-1101	Sixth St		IN	A		NA		10/03/200
		Fron	1:			Dead								
1108 Fitzlee St	0.24	180	R						N	Α		NA		07/28/200
		To From	1:			81-1113 Th	irteenth St		-					
Fitzlee St	0.12	200	R						N	A		NA		10/09/200
$\overline{}$	0.10	From	- P			81-1112 T	welfth St			^		NΙΔ		10/00/200
Fitzlee St	0.12	230	R						IN	A		NA		10/09/200
1108) Fitzlee St	0.13	190	R			81-1114 E	eventh St			A		NA		10/09/200
Fitzlee St	0.10	т.				81-784 T	Canth St					1471		10/00/200
1108) Fitzlee St	0.19	210 From	R			61-764 1	chui St		N	Α		NA		07/28/200
1108) Fitzlee St		Т):			81-684								
1108) Fitzlee St	0.12	380	"LR			81-110	3 Gap			A		NA		10/03/200
Fitzlee St	0.12	- T				91 1102 C	avanth Ct			, , , , , , , , , , , , , , , , , , ,		14/ (10/00/200
1108) Fitzlee St	0.12	320 From	R			81-1102 S	evenin st			A		NA		07/28/200
1108) Fitzlee St		Т	_			Dead	End							
$\widehat{}$		Fron	1:			81-1103 I	Eighth St							
Gordon Place	0.12	60	R						N	A		NA		10/03/200
O 0 1 51	0.00	From				81-1102 S	eventh St			^		NIA		07/00/000
Gordon Place	0.08	80	R			Dead	End			A		NA		07/28/200
		Fron	1:			81-1112 T								
Kanawha St	0.25	60	R						N	Α		NA		10/09/200
81)		Т):			81-784 T	enth St							
Virginia Ct	0.05	From				81-1112 T	welfth St			٨		NIA		07/20/200
Virginia St	0.25	80	R			81-784 T	enth St			A		NA		07/28/200
		Fron	1:			Dead								
Twelfth St	0.03	80	R						N	Α		NA		10/09/200
<u></u>		Fron	1:			81-111 81-111								
Twelfth St	0.07	180	R			01-111	о Сар		N	Α		NA		07/28/200
81/		Fron):			SR 130								
1112 Twelfth St	0.07	70	R			81-110	8 Gap		N	Α		NA		10/09/200
1 weifth St	0.0.	т				81-783 An	derson St							.0,00,200
		Fron	1:			SR 130 Roc	kbridge Rd							
Thirteenth St	0.08	110	R						N	Α		NA		07/28/200
		Fron	1:			81-1108 F	itzlee St							
Thirteenth St	0.02	40	R			Dead	End		N	A		NA		1986
		Fron	1:			81-1108 F								
Eleventh St	0.05	60	R			81-11081	TIZICC St		N	Α		NA		07/28/200
81/						81-783 An	derson St							
Eleventh St	0.06	50 From	R						N	Α		NA		10/09/200
81/		T	0:			81-1107 Mc	Culloch St							
	0.10	From				81-1102 S	eventh St			^		NIA.		40/00/005
Pocahontas St	0.12	120	R			81-1101	Sixth St		N	A		NA		10/03/2007
		•				01-1101	ולי וחעיני		J					

							0. 0.00	.,								
Route	Length	AADT	QA	4Tire	Bus			uck 1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Glasgow			_			ZANE	JTAXIC	TITAL	ZTTall		i actor		i actor			
		From				81-1	101 Sixth	St								
Pocahontas St	0.25	520	R								NA			NA		08/02/2004
_		To From				81-11	17 Fourth	St								
Pocahontas St	0.09	290	R								NA			NA		10/03/2007
		To From				81-11	116 Third	St			\neg —					
Pocahontas St	0.06	60	R								NA			NA		08/02/2004
		To	:				d End; Ga	р								
Pocahontas St	0.40	From	Щ_			81	-679 Gap							NIA		40/00/000
	0.12	60 To	R				ead End				NA			NA		10/03/2007
			1								<u> </u>					
Third St	0.07	From	<u> </u>			81-1115	Pocahont	as St						NA		00/00/200
	0.07	230	R			Q1 110)5 Catawb	a St			NA			INA		08/02/2004
			1													
Fourth St	0.07	From	R			81-1115	Pocahont	as St						NIA		10/02/2007
	0.07	290									NA 			NA		10/03/2007
(1117) Fourth St		From				81-110)5 Catawb	a St								
	0.06	60	R								NA			NA		08/02/2004
<u> </u>		To	1				4 Shawne									
		From	<u> </u>			81-826	Pine Viev	v Rd			<u> </u>					.=
(1118) Laurel Rd	0.05	40	R				1.1.6				NA			NA		07/12/2001
			I .				ul-de-Sac									
0:45.00	0.40	From				81-110	02 Seventl	ı St						NIA		40/00/000
Sixth St	0.13	70	R			01.1	101 0: 4	G.			NA			NA		10/03/2007
			1				101 Sixth									
C:44 C4	0.00	From	Щ_			81-110)5 Catawb	a St						NIA		07/00/000
Fifth St	0.06	10 To	R			81 110	4 Shawne	a St			NA			NA		07/28/2004
		From						CSI			_					
	0.13	NA					81-1123				 NA			NA		
(1121)	0.13	NA To	:			CD 120	Rockbridg	n Dd			INA			INA		
		From	1					ge Ku								
\bigcirc	0.13	NA Prom	<u> </u>			8	81-1123				 NA			NA		
(1122)	0.13	To	:			SR 130	Rockbridg	re Rd						INA		
		From						,c Nu			-					
	0.18	NA	<u> </u>			}	81-1122				NA			NA		
(1123)	0.10	INA To	:			C	ul-de-Sac				\dashv			INA		
						C	ur-uc-sac									