2010

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

where available

Special Locality Report 265

Town of Mount Jackson

Information in this report is included in Report

85

(Shenandoah 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:	SC	L Mt. Jack	son												
(11) Main St	Town of Mount Jackson (Maint: 85)	0.72	4700	N	97%	0%	1%	1%	1%	0%	Ν	0.092	Ν		5000	N
<u> </u>	To	SR 2	63 Orkney	Grade			\neg \vdash									
11 Main St	Town of Mount Jackson (Maint: 85)	1.85	3800	G	97%	0%	1%	1%	1%	0%	F	0.097	F		4000	G
	To:	NO	L Mt. Jack	son												
	From:	W	CL Mt. Jack	son												
(263)	Town of Mount Jackson (Maint: 85)	0.52	3200	N	97%	1%	1%	1%	1%	0%	Ν	0.089	Ν	0.67	3000	N
	To:		US 11													
	From:	We	CL Mt Jack	son												
(292)Conicville Rd	Town of Mount Jackson (Maint: 85)	0.23	9100	G	70%	1%	1%	1%	25%	2%	С	0.077	F		9500	G
\bigcirc	To:	U	S 11 Main	St												

Length	AADT	QA	4Tire	Bus			2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
	From	.1			WCI M. I									
0.29	790	G	98%	0%	1% 1%	0%	0%	С	0.093	F	0.56	830	G	2010
0.11	30 From	R							NA			NA		1999
0.19	740	G	98%	0%	US 11 N, Ma	in St 0%	0%	С	0.111	F	0.549	780	G	2010
0.04	290	R			85-1328 Railre	oad St			NA			NA		04/07/2008
0.28	470 From	R							NA			NA		1999
0.09	380	R							NA			NA		05/27/2008
0.06	390 From	R			85-1333 Paint	ers St			NA			NA		09/27/2005
0.10	560 From	R							NA			NA		05/27/2008
	From								1					
0.10	190 To	R							NA			NA		05/27/2008
0.12	620 From	R							NA			NA		05/27/2008
0.25	760	G	99%	0%	0% 0%	0%	0%	С	0.122	F	0.511	800	G	2010
0.13	300 From	R							NA			NA		05/27/2008
0.08	30 From	R							NA			NA		05/27/2008
0.06	180 To	R							NA			NA		05/27/2008
0.08	110	R							NA			NA		05/06/2002
0.08	80 To	R							NA			NA		1999
0.36	From 450	R							NA			NA		05/27/2008
	To From	:			85-1303 Tisin	ger St			NA ——					04/07/2008
	To From				85-1326 Wund	der St			_					05/27/2008
	To From				85-1332 Swa	n Dr								1999
	To From				85-1306 Broa	ad St								05/27/2008
0.07		_			85-1301 Dutch	Lane			NA			NA		1999
	0.29 0.11 0.19 0.04 0.28 0.09 0.06 0.10 0.12 0.25 0.13 0.08 0.06 0.08	0.11 30 From 0.19 740 To	0.29 790 G From: From: From:	0.29	Company Comp	Length AADT QA 4Tire Bus 2Axle 3+Ax	1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790 1790	Length AADT QA 4Tire Bus Truck	Length AADT QA 4Tire Bus 2Axis 3+Axis Trauk. Trauk T	Length AADT QA 4Tire Bus 2Axis 3+Axis Truck Trail 2Trail QC K Factor QK Eactor AAWDT	Length AADT QA 4Tire Bus Bus Bus Axide 3+Axide 1Trail 2Trail QC Factor QK Factor AAWDT QW			

Route	Length	AADT	QA	4Tire	Bus		Tı	uck	OT:	QC	K	QK	Dir	AAWDT	QW	Year
Town of Mount Jackson								e 1Trail	21 raii		Factor		Factor			
(1306) Broad St	0.42	400	R			85-132	24 Orkney	Dr			NA			NA		05/27/200
(1306) Broad St	0.12	To				85-13	305 Lonas	St								00/21/200
		From				85-1302	2 Shannon	Ave								
1307 Shannon Ave	0.08	80	R								NA			NA		05/06/200
<u> </u>		То	<u> </u>				Dead End				<u> </u>					
1308) Shenell Dr	0.25	210	R			US	11 Main S	<u>St</u>			NA			NA		05/06/20
Shenell Dr	0.20	To				Е	End Loop							1471		00/00/20
_		From				US	11 Main S	St								
1309 Apple Ave	0.13	260	R								NA			NA		1999
<u> </u>		То					E, Dogwo									
1310) Dogwood Dr	0.09	From 47	R			85-1312	W, Maple	e Ave			NA			NA		05/27/20
Dogwood Dr	0.03	7 /				05.1200								INA		03/21/20
1310) Dogwood Dr	0.19	50 From	R			85-1309	W, Apple	e Ave			NA			NA		1999
Dogwood Dr	0.10	To				95 1200	0 E Annie	Avo			- <u>```</u>			100		1000
1310) Dogwood Dr	0.09	90 From	R			05-150	9 E, Apple	AVC			NA			NA		05/27/20
Dogwood Dr		To				85-1312	2 E, Maple	Ave								
Dogwood Dr	0.05	140 From	R			03-1312	L, Mapie	TIVE			NA			NA		1999
85		To	-			85-1	325 Elm I	Or								
Dogwood Dr	0.07	100 From	R								NA			NA		05/27/20
85		To				85-1316 E	ast Avond	ale Ave								
· · ·		From	<u> </u>			D	Dead End				J					
Montvue Ave	0.10	130	R								NA			NA		05/06/20
	0.00	From				0.10 N	/IN Dead l	End			\supset			NIA		05/00/00
Montvue Ave	0.09	130 To	R			LIS	11 Main S	lt .			NA T			NA		05/06/20
		From					11 Main S				1					
Maple Ave	0.07	220	R			CD	11 Walli	,,			NA			NA		09/27/20
85		To				85-1310	W, Dogwo	ood Dr			_					
Maple Ave	0.06	200 From	R				, = -8				NA			NA		05/27/20
85		To From				85-1310	E, Dogwo	od Dr			_					
1312) Maple Ave	0.03	80	R								NA			NA		05/27/20
		To					Aount Jack									
A Llanguage Ave	0.40	From	ᆫ			85-13	14 Nelson	St						NIA		4000
Hopewell Ave	0.12	80 To	R			Г	Dead End				NA			NA		1999
		From					Dead End				1					
Nelson St	0.13	110	R				ocua Ena				NA			NA		05/27/20
85		To				85-1313	B Hopewel	l Ave			Ъ					
Nelson St	0.21	410 From	R								NA			NA		1999
00)		To				US	11 Main S	St								
		From				Г	Dead End	_	_	_	<u> </u>					05/05/5
Mill Creek Lane	0.15	46 To	R			Q5 60	8 Orchard	Dr			NA			NA		05/27/20
		From	<u> </u>				Dead End	D1			<u></u> 					
1316) East Avondale Ave	0.18	440	R			L	cau End				NA			NA		09/27/20
1316 East Avondale Ave		To				ZII	11 Main S	St								
1316 East Avondale Ave	0.17	320 From	R			US	. 1 .vidili (NA			NA		05/27/20
85		To				NCI	Mt Jacks	on								
1316 East Avondale Ave	0.14	100 From	R			1,01	Jucks				NA			NA		05/06/20
85		To				C	ul-de-Sac									

						'	i UW	11 01	iviou	ווו טמו	CKSUII	'										
Route	Length	AADT	QA	4Tire	E	Bus					ıck 1Tra		Ω(F	K actor	QK	Dir Fact	AAW	/DT	QW	Yea	ır
Town of Mount Jackson		Fron													1							
(1320) Moore Ave	0.04	30	R					1	Dead :	Ena					J NA			N.	4		05/27/2	200
(1320) Moore Ave		Т			—	—	—	85-7	'90 C	enter S	t				1							
Moore Ave	0.08	90 From	R												NA			N	4		199	9
85		Т						85-1	321 (Craig St	t											
<u> </u>		Fron					8	85-13	20 M	oore A	ve											
(1321) Craig St	0.08	90 Ti	R					05 12	22 D	4-11 (C4				NA T			N	4		05/27/2	20C
		Fron			_	_				andall S	St				1							_
1322) Randall St	0.06	70	R					1	Dead :	Ena					NA			N	Δ		09/27/2	200
Randall St		т						05 7	100 C	enter S					1							
1322) Randall St	0.08	140 From	R					03-7	90 C	inter 5	<u> </u>				NA			N.	4		05/27/2	200
Randall St		Т						85-1	321 (Craig St	t]							
		Fron	n:					US	11 M	Iain St												
1323 Medical Dr	0.06	190	R												NA			N	4		09/27/2	200
657		Т						I	Dead :	End												_
	0.00	From							SR 2	63											05/07/	
Orkney Dr	0.03	660	R												NA			N.	4		05/27/2	200
<u> </u>	0.07	Fron						85-1	306 E	Broad S	t								•		400	_
Orkney Dr	0.07	880	R												NA _			N.	4		199	9
O 0.1 D	0.10	Fron						85-13	304 G	ospel S	St								•		05/07/	
Orkney Dr	0.16	680	R					HC	11 N/	Iain St					NA T			N.	4		05/27/2	20
		Fron			_	_									1							_
1325) Elm Dr	0.13	110	R				8.	55-131	.U Do	gwood	Dr				J NA			N	Δ		199	9
(1325) Elm Dr	0.10	т					85-1	1316 E	East A	vondal	le Ave				i i				•		100	Ŭ
		From	1:					I	Dead 1	End												_
1326 Wunder St	0.07	230	R												NA			N.	4		05/27/2	200
Nh.		Fron						0.07 1	ME D	ead Er	nd				1—							
1326 Wunder St	0.05	230	R												NA			N.	4		05/27/2	200
		Fron	2.					85-1	305 L	onas S	St				}—							
1326 Wunder St	0.08	230	R												NA			N.	4		05/27/2	200
<u></u>		T):					85-1	306 E	Broad S	it											_
O		Fron						I	Dead :	End]							
1327 Broad St	0.12	140	R					05 12	01 D.	ıtch La					NA			N	4		199	9
		Fron			_	_					ne				+							_
1328) Railroad St	0.03	20	R					1	Dead :	EHU					NA			N.	Α		05/27/2	20
Railroad St		70					0/	5 7/2	Chan	andoah	h Ct											
1328) Railroad St	0.07	220 From	R				- 0.	3-743	Shen	andoar	131				NA			N.	Α		05/27/2	200
Railroad St		70					C	05 12 ⁴	20 Sa	cond A	TIO.											
1328) Railroad St	0.13	310 From	R					05-152	29 30	John A	·vc				NA			N	4		199	9
1328) Railroad St		Т						85-7:	53 Jac	ekson S	St											
		From	n:				8.	5-743	Shen	andoah	n St				1							
1329 Second Ave	0.10	50	R												NA			N.	4		09/27/2	20
		Т	I		_	_				ailroad												_
	244	From		-				85-7	53 Jac	ckson S	st							 	^		05/07/	20
1330 First Ave	0.14	70	R												NA			N.	4		05/27/2	4 0(
		From						85-13	33 Pa	inters S	St				<u> </u>				^		05/55	
1330 First Ave	0.11	90	R					TIC	11 3/	lain Cr					NA 1			N.	4		05/27/2	200
		Fron	I							Iain St					<u> </u>							_
1331) Robin St	0.06	350	R		—	—	—	85-1	306 E	Broad S	t				NA			N	Δ		199	a
Robin St	0.00	Т						85-13	01 Dı	ıtch La	ne				7			1 1/	•		100	-
			-												-							_

Route	Length	AADT	QA	4Tire	Bus	Truck2Axle 3+Axle 1Trail 2	C	C	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mount Jackson														
		Fron				85-1305 Lonas St								
(1332) Swan Dr	0.08	70	R						NA			NA		05/27/2008
65		Tr				85-1306 Broad St								
		Fron				85-753 Jackson St								
Painters St	0.20	50	R						NA			NA		09/27/2005
85		To	-			85-1330 First Ave								
		Fron				US 11 Main St								
1334 Bridge St	0.19	180	R						NA			NA		05/27/2008
85		To				ECL Mt Jackson								
		Fron				85-1306 Broad St								
1335	0.05	NA							NA			NA		
R5		To	:			Dead End								