2015

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

where available

Special Locality Report 261

Town of Mineral

Information in this report is included in Report

54

(Louisa 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	

(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

Virginia State Route

- 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 2015

Annual Average Daily Traffic Volume Estimates By Section of Route Town of Mineral

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus		True 3+Axle	_		QC	K Factor	ΩK	Dir actor	AAWDT	QW
	From:	V	VCL Minera	al												
$\binom{22}{208}$ Davis Hwy	Town of Mineral (Maint: 54)	0.15	10000	N	96%	1%	1%	0%	1%	0%	Ν	0.083	0	.530	11000	Ν
	To:		US 522													
	From:		CL Mineral													
208 22 Davis Hwy	Town of Mineral (Maint: 54)	0.15	10000	N	96%	1%	1%	0%	1%	0%	Ν	0.083	0	.530	11000	Ν
	To: From:	US 522	& SR 22 M	INERAI	_											
(208) (522) Louisa Ave	Town of Mineral (Maint: 54)	0.39	3900	G	94%	2%	1%	1%	3%	0%	F	0.084	0	.591	4000	G
	To:		CL Mineral													
-	From:		SCL Minera	1												
(522)Mineral Ave	Town of Mineral (Maint: 54)	0.66	5300	N	94%	2%	1%	1%	3%	0%	Ν	0.099	0	.683	5400	Ν
<u> </u>	To: From:	S	R 22, SR 20)8												
(522)(208) Louisa Ave	Town of Mineral (Maint: 54)	0.39	3900	G	94%	2%	1%	1%	3%	0%	F	0.084	0	.591	4000	G
	To:	1	NCL Minera	ıl												

5/3/2016 7

Route	Length	AADT	QA	4Tire	Bus	I own of Mil	Truck		QC	K	QK	Dir	AAWDT	QW	Year
Town of Mineral	0					2Axle 3+Ax	de 1Trail	2Trail		Factor		Factor			
618 E First St	0.54	2700	G	96%	1%	ECL Mine: 1% 1%		0%	F	0.103		0.568	2800	G	2015
- 1 1 1 1 Ct	0.04	Tr		0070	1 /0	US 522 Louis		070		0.100		0.000	2000		2010
C E Loo St	0.07	From				US 522 Louis	a Ave						NIA		00/27/2012
(1101) E Lee St	0.07	90	R			54 1102 St Coo	ilio Avo			NA —			NA		08/27/2013
1101 E Lee St	0.07	60 From	R			54-1102, St Cec	ilia Ave			NA			NA		08/27/2013
<u> </u>		From	<u> </u>			54-1103 Richmo	ond Ave			\Box					00/07/0040
(1101) E Lee St	0.07	20	R			54 1104 411	1 4			NA			NA		08/27/2013
(1101) E Lee St	0.07	30 From	R			54-1104 Albema	arie Ave			NA			NA		08/27/2013
54		To	00			Dead End	d								
(1102) St Cecilia Ave	0.08	30	 R			54-618 Firs	t St			NA			NA		08/27/2013
St Cecilia Ave	0.00	Te				54-1101 Le	e St						1471		00/27/2010
St Cecilia Ave	0.13	8 From	R			54-1101 Eco	c St			NA			NA		08/27/2013
54		To):			US 522 Louis									
(1103) Richmond Ave	0.08	48	 R			54-1101 Le	e St			NA			NA		04/08/2015
Richmond Ave	0.00	Te				54-618 Firs	t St			— <u> </u>					0 1/00/2010
Richmond Ave	0.08	40 From	R			51 010 Ths	t St			NA			NA		08/27/2013
<u> </u>		To From	17			54-1114 Seco	ond St								
Richmond Ave	0.27	100	R			54-1110 Fift	h St			NA			NA		04/08/2015
		From	1.			54-1114 Seco									
(1104) Albemarle Ave	0.01	60	R							NA			NA		05/08/2015
		To From	r r		(0.01 MN 54-1114	Second St								
1104 Albemarle Ave	0.07	40	R							NA —			NA		08/27/2013
(1104) Albemarle Ave	0.08	From S	R			54-618 Firs	t St			 NA			NA		08/27/2013
Albemarie Ave	0.00	To	00			54-1101 Le	e St						1471		00/27/2010
		From	1:			54-1108 Eigh	nth St								
(1105) Virginia Ave	0.08	80	R							NA			NA		08/29/2013
(1105) Virginia Ave	0.17	45	R			54-1115 Seve	nth St			NA			NA		04/17/2015
Virginia Ave		Te				54-1110 Fift	h St								
Virginia Ave	0.07	110 From	R							NA			NA		09/03/2013
		From	12			54-1116 Fourth 54-1106 G									
(1105) Virginia Ave	0.04	10	R							NA			NA		04/27/2004
		From	1			Dead End									
(1106) W Third St	0.06	90	'L			54-1109 St Fran	ces Ave			NA			NA		08/29/2013
(1106) W Third St		To				54-1105 Virgin	ia Ave								
1106 W Third St	0.07	110	R							NA			NA		08/29/2013
O 147 THE 1 CO.	0.07	From				54-1117 Piedmo	ont Ave						NIA		00/00/0040
1106 W Third St	0.07	130	R			54 1101 0:35				NA			NA		08/29/2013
(1106) W Third St	0.06	140 From	R			54-1121 St Mar	rys Ave			NA			NA		08/29/2013
(1106) W Third St		To From				US 522 Miner	al Ave			_					
1106 E Third St	0.03	90	R							NA			NA		04/27/2015
		To);			Dead End	d								

						IOW	n of Min	ierai							
Route	Length	AADT	QA	4Tire	Вι	IS	-	ruck le 1Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mineral		Fron													
(1107) Louisa Ave	0.08	30	R				Dead End			NA			NA		05/06/2015
Louisa Ave			20			54-	1120 Sixth	n St							
Louisa Ave	0.09	530	R							NA			NA		04/08/2015
<u> </u>	0.07	From				54-	-1110 Fifth	ı St		⇉┈					0.4/07/0045
Louisa Ave	0.27	260	R			54-11	14 W, Sec	ond St		NA			NA		04/27/2015
		Fron	n:				14 E, Seco								
Louisa Ave	0.08	170	R			5.1	610 Einst	C+		NA			NA		08/27/2013
		Fron	n:				-618 First 27 Chestm								
1108 W Eighth St	0.07	10	R			J 4- 112	27 Chestin	ut Ave		NA			NA		05/29/2007
54		To	0:				4-1126; Ga								
1108) W Eighth St	0.07	180	R			54-110	9 St Franc	es Ave		 NA			NA		08/29/2013
1108 W Eighth St	0.07	100					05.11						14/3		00/23/2010
1108) W Eighth St	0.06	230 From	R			54-11	05 Virgini	a Ave		NA			NA		08/29/2013
W Eighth St						54 111	17 Piedmo	nt Ave							
1108 W Eighth St	0.12	260 From	R			34-111	i / Ficulio	III AVE		NA			NA		08/29/2013
1108 W Eighth St		т				US 5	22 Minera	1 Ave							
E Eighth St	0.05	30 From	R							NA			NA		04/27/2015
54		T	0:				Dead End								
O 0. 5		Fron				54-6	65 Kennoi	n Rd		<u> </u>					00/00/00/
St Frances Ave	0.13	70	R							NA 			NA		08/29/2013
Ct Frances Ave	0.00	From				54-	1123 Nintl	h St		\perp			NIA		00/00/0010
St Frances Ave	0.08	220 T	R			54-	1108 Third	1 St		NA T			NA		08/29/2013
		Fron	n-				1108 Eight								
St Frances Ave	0.08	80	R							NA			NA		08/29/2013
0.5	0.07	From				54-1	115 Seven	th St		⇉┈					00/00/0040
St Frances Ave	0.27	70	R							NA 			NA		08/29/2013
Ct Francos Ava	0.00	From				54-1	1116 Fourt	h St		_ NA			NA		08/29/2013
St Frances Ave	0.08	90 T	R			54-	1106 Third	1 St					INA		00/29/2013
		Fron	n:				05 Virgini								
1110 W Fifth St	0.07	60	R							NA			NA		09/03/2013
54		From	2			54-111	17 Piedmo	nt Ave		_					
W Fifth St	0.06	100	R							NA			NA		09/03/2013
		T. Fron				54-111	18 St Mary	ys Ave		\Box					
W Fifth St	0.05	110	R							NA			NA		09/03/2013
		Fron	n:			US 52	22 Minera	l Ave							
E Fifth St	0.07	860	R							NA			NA		04/08/2015
C E E:(!) O:	0.40	From				54-11	107 Louisa	1 Ave		╗┈					0.4/0.0/0.045
E Fifth St	0.12	110	R							NA 			NA		04/08/2015
1110) E Fifth St	0.09	20 From	R			54-110	3 Richmon	nd Ave		_ NA			NA		04/08/2015
E Fifth St	0.09	20	'n				Dead End						INA		04/06/2013
		Fron	n:				Dead End			i					
W Second St	0.13	40	R							NA			NA		04/15/2015
		From				54-111	17 Piedmo	nt Ave							
1111 W Second St	0.01	110	R						 	NA			NA		08/29/2013
		Fron				54-112	21 St Mary	ys Ave		<u> </u>					
W Second St	0.05	100	R			***	22.14:	1 4		NA			NA		08/29/2013
		Te	J.			US 5	22 Minera	I Ave							

Route	Longth	AADT	Ω4	/Tiro	D				-Truck			00	K	OK	Dir	Δ Λ \ Λ \ Γ	- 0144	Year
Houte Town of Mineral	Length	AADT	QA	4Tire	В	us	2Axle	3+A	xle 1Tr	ail 2	2Trail	QC	Factor	QK	Factor	AAWDT	QVV	rear
O = 0 10		Fron	<u> </u>				US 52	2 Mine	ral Ave				<u> </u>					22/22/22/
E Second St	0.02	330	R				54 112	5 Daile	oad Ave				NA			NA		08/28/2013
		Fron	I					Dead Er					<u> </u> 					
(1112) W First St	0.04	240	R				L	Jeau Ei	iu				NA			NA		04/15/2015
(1112) W First St		To					US	522; Sl	R 22									
		Fron					Ε	Dead Er	nd									
1113 Sixth St	0.06	40	R										NA			NA		04/08/2015
		To Fron				5	54-1118	3, St M	arys Ave									
Sixth St	0.05	70	R				IIC 52	2 Mina	mol Avvo				NA			NA		04/08/2015
		Fron	1						ral Ave									
E Second St	0.02	120	R				34-1115	9 Firem	ans Ave				NA			NA		08/27/2013
E Second St						-	54 1107	W L	niaa Arra									
(1114) E Second St	0.03	200 From	R				94-1107	w, Lo	uisa Ave				NA			NA		08/27/2013
E Second St		Te	_			4	54 1107	7 F. Lo	uisa Ave									
(1114) E Second St	0.11	40 Fron	R				J 4- 1107	/ E, LO	uisa Avc				NA			NA		08/27/2013
E Second St		Te	-				54-1103	Richm	ond Ave									
E Second St	0.02	80 Fron	R				7. 1100	1001111	iona i i i c				NA			NA		08/27/2013
54		т.	-			0.02 1	ME 54-	1103 R	ichmond A	Ave			<u> </u>					
(1114) E Second St	0.05	40 Fron	R										NA			NA		04/08/2015
54		Tr	1			5	54-1104	Alben	arle Ave									
\sim		Fron					54-112	7 Chest	nut Ave									
W Seventh St	0.21	170	R										NA			NA		09/04/2013
<u> </u>		Fron				5	4-1109	, St Fra	nces Ave				<u> </u>					
1115 W Seventh St	0.07	120	R										NA			NA		09/04/2013
	0.00	From	<u> </u>				54-110	5 Virgi	nia Ave				<u> </u>			NIA		00/04/0040
1115 W Seventh St	0.06	130	R										NA			NA		09/04/2013
	0.40	Fron	<u> </u>				54-1117	7 Piedn	ont Ave							NIA		00/00/0040
W Seventh St	0.12	130	R				IIS 52	2 Mina	ral Ave				NA			NA		09/03/2013
		Fron	4						nces Ave									
(1116) W Fourth St	0.06	140	R				4-1109	, St IIa	nces Ave				NA			NA		09/03/2013
(1116) W Fourth St		Te	_				54-110	5 Virgi	nia Ave									
(1116) W Fourth St	0.07	160 Fron	R				54-110	5 viigi	ina rive				NA			NA		09/03/2013
54		Te	_			4	54-1117	7 Piedn	ont Ave									
(1116) W Fourth St	0.06	180 From	R				0 1 1111	7 10011	ioin i i i e				NA			NA		09/03/2013
54		т.	-				54-1118	B. St Ma	arys Ave				_					
W Fourth St	0.05	200 From	R					,					NA			NA		09/03/2013
54		T/ Fron	_				US 52	2 Mine	ral Ave				\neg —					
E Fourth St	0.03	100	R										NA			NA		04/17/2015
54		To					Ι	Dead Er	nd									
O = 1. 1.		Fron					54-11	108 Eig	hth St									
1117 Piedmont Ave	0.08	100	R										NA			NA		09/04/2013
<u> </u>	0.00	From	_				54-11	15 Sev	enth St				\Rightarrow					00/04/0040
Piedmont Ave	0.20	130	R										NA			NA		09/04/2013
	0.07	Fron	<u> </u>	-			54-1	110 Fi	th St							A.I.A.		04/47/004
1117 Piedmont Ave	0.07	50	R				5/1	-1116; (Gan				NA			NA		04/17/2015
_		Fron						-1116; (-1106; (
Piedmont Ave	0.08	30	R										NA			NA		08/29/2013
<u> </u>		To	1				54-111	1, W S	econd St									

Route	Length	AADT	QA	4Tire	Bus		Tr	uck		QC	K	QK	Dir	AAWDT	QW	Year
Town of Mineral	· ·					2Axle	3+Axle	1 [rail	21rail		Factor		Factor			
		From	1.			54-1	113 Sixth	St								
St Marys Ave	0.09	30	R								NA —			NA		04/17/2015
1118 St Marys Ave	0.07	From	# R			54-1	110 Fifth	St			 NA			NA		04/17/2015
1118 St Wary 7 1 1 54	0.07	To				54-11	16 Fourth	St			— T			1471		04/11/2010
		From	1.				2 Louisa A									
Firemans Ave	0.08	120	R								NA			NA		08/27/2013
54		To):			54-11	14 Second	l St								
		Fron				54-110	07 Louisa .	Ave								
E Sixth St	0.04	70	R								NA			NA		04/08/2014
<u> </u>		To	1			D	Dead End									
Ct Manua Aug	0.00	Fron				54-1	106 Third	St			—			NIA		04/47/0045
(1121) St Marys Ave	0.08	30	R								NA —			NA		04/17/2015
	0.04	Fron				54-1111	I, W Secon	nd St						NIA		05/00/0007
St Marys Ave	0.04	1	R			Г	Dead End				NA			NA		05/29/2007
		Fron	,					_								
Ninth St	0.07	80	R			54-112	7 Chestnut	Ave			NA			NA		09/04/2013
1123	0.07	To				4	54-1126									00/01/2010
		Fron	12			54-112	26 Forest A	Ave								
Ninth St	0.07	120	R								NA			NA		09/04/2013
		T _e Fron	11			54-11	24 Park A	ve								
Ninth St	0.07	240	R								NA			NA		09/04/2013
<u> </u>		To	<u> </u>				, St Franci									
O Davida Assa	0.40	Fron				SC	L Mineral							NIA		00/04/0040
Park Ave	0.12	110	R								NA			NA		09/04/2013
	0.04	Fron				54-1	123 Ninth	St								0.4/4.0/004.5
Park Ave	0.04	80	R				N 4 F., 4				NA			NA		04/16/2015
		Fron					Dead End	. ~								
(1125) Railroad Ave	0.08	330	" R			54-11	11 Second	l St			NA			NA		08/28/2013
(1125) Railroad Ave	0.00	330 To				US 52	2 Louisa A	Ave						INA		00/20/2010
		Fron	1:				123 Ninth									
(1126) Forest Ave	0.03	10	R			J - 1.	123 1411111	St.			NA			NA		05/12/2015
Forest Ave		Te				5/ 11	08 Eighth	St								
(1126) Forest Ave	0.08	10 From	R			J 4- 11	oo Eigitti	JI			NA			NA	· <u> </u>	05/13/2015
(1126) Forest Ave		To	2			<u>5</u> 4-11	15 Seventl	n St								
		Fron	12				123 Ninth									
Chestnut Ave	0.15	60	R								NA			NA		04/17/2015
54		To):			54-11	15 Seventl	ı St								