2010
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.

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

Interstate Route — Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.

US Route

Virginia State Route

Frontage Road (F precedes frontage route number)

Secondary Route

Special Routes

Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
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 Mineral

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
22 208 Davis Hwy	Town of Mineral (Maint: 54)	From: WCL Mineral	0.15	**11000**	**N**	96%	1%	1%	0%	1%	0%	N	0.088	N	0.509	12000	N
		To: US 522															
208 22 Davis Hwy	Town of Mineral (Maint: 54)	From: CL Mineral	0.15	**11000**	**N**	96%	1%	1%	0%	1%	0%	N	0.088	N	0.509	12000	N
		To: US 522 & SR 22 MINERAL															
208 522 Louisa Ave	Town of Mineral (Maint: 54)	From: CL Mineral	0.39	**3700**	**F**	94%	2%	1%	1%	2%	0%	F	0.088	F	0.557	3800	F
		To: SCL Mineral															
522 Mineral Ave	Town of Mineral (Maint: 54)	From: SCL Mineral	0.66	**5300**	**N**	94%	2%	1%	1%	2%	0%	N	0.094	N	0.598	5500	N
		To: SR 22, SR 208															
522 208 Louisa Ave	Town of Mineral (Maint: 54)	From: SR 22, SR 208	0.39	**3700**	**F**	94%	2%	1%	1%	2%	0%	F	0.088	F	0.557	3800	F
		To: NCL Mineral															

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

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mineral																
618 54 E First St	0.54	**3200**	**F**	96%	1%	1%	1%	1%	0%	F	0.099	F	0.562	3200	F	2010
From: ECL Mineral																
To: US 522 Louisa Ave																
1101 54 E Lee St	0.07	**90**	**R**								NA			NA		07/07/2004
From: US 522 Louisa Ave																
To: 54-1102, St Cecilia Ave																
1101 54 E Lee St	0.07	**60**	**R**								NA			NA		07/07/2004
From: 54-1102, St Cecilia Ave																
To: 54-1103 Richmond Ave																
1101 54 E Lee St	0.07	**9**	**R**								NA			NA		07/07/2004
From: 54-1103 Richmond Ave																
To: 54-1104 Albemarle Ave																
1101 54 E Lee St	0.07	**10**	**R**								NA			NA		07/07/2004
From: 54-1104 Albemarle Ave																
To: Dead End																
1102 54 St Cecilia Ave	0.08	**60**	**R**								NA			NA		07/07/2004
From: 54-618 First St																
To: 54-1101 Lee St																
1102 54 St Cecilia Ave	0.13	**40**	**R**								NA			NA		07/07/2004
From: 54-1101 Lee St																
To: US 522 Louisa Ave																
1103 54 Richmond Ave	0.08	**60**	**R**								NA			NA		07/07/2004
From: 54-618 First St																
To: 54-1114 Second St																
1103 54 Richmond Ave	0.08	**70**	**R**								NA			NA		07/07/2004
From: 54-1114 Second St																
To: 54-1110 Fifth St																
1103 54 Richmond Ave	0.27	**50**	**R**								NA			NA		07/07/2004
From: 54-1114 Second St																
To: 0.01 MN 54-1114 Second St																
1104 54 Albemarle Ave	0.01	**40**	**R**								NA			NA		05/31/2007
From: 0.01 MN 54-1114 Second St																
To: 54-618 First St																
1104 54 Albemarle Ave	0.07	**40**	**R**								NA			NA		05/31/2007
From: 54-618 First St																
To: 54-1101 Lee St																
1104 54 Albemarle Ave	0.08	**9**	**R**								NA			NA		07/07/2004
From: 54-1108 Eighth St																
To: 54-1115 Seventh St																
1105 54 Virginia Ave	0.08	**60**	**R**								NA			NA		05/05/2004
From: 54-1115 Seventh St																
To: 54-1110 Fifth St																
1105 54 Virginia Ave	0.17	**40**	**R**								NA			NA		05/05/2004
From: 54-1110 Fifth St																
To: 54-1116 Fourth St, Gap																
1105 54 Virginia Ave	0.07	**60**	**R**								NA			NA		05/05/2004
From: 54-1106 Gap																
To: Dead End																
1105 54 Virginia Ave	0.04	**10**	**R**								NA			NA		04/27/2004
From: 54-1109 St Frances Ave																
To: 54-1105 Virginia Ave																
1106 54 W Third St	0.06	**80**	**R**								NA			NA		04/27/2004
From: 54-1105 Virginia Ave																
To: 54-1117 Piedmont Ave																
1106 54 W Third St	0.07	**100**	**R**								NA			NA		04/27/2004
From: 54-1117 Piedmont Ave																
To: 54-1121 St Marys Ave																
1106 54 W Third St	0.07	**120**	**R**								NA			NA		04/27/2004
From: 54-1121 St Marys Ave																
To: US 522 Mineral Ave																
1106 54 E Third St	0.03	**80**	**R**								NA			NA		04/27/2004
From: US 522 Mineral Ave																
To: Dead End																

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

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mineral																
1107 54 Louisa Ave	0.08	**40**	**R**								NA			NA		05/04/2004
From: Dead End																
To: 54-1120 Sixth St																
1107 54 Louisa Ave	0.09	**130**	**R**								NA			NA		05/31/2007
From: 54-1110 Fifth St																
To: 54-1114 W, Second St																
1107 54 Louisa Ave	0.27	**340**	**R**								NA			NA		04/30/2004
From: 54-1114 E, Second St																
To: 54-618 First St																
1107 54 Louisa Ave	0.08	**240**	**R**								NA			NA		07/07/2004
From: 54-1127 Chestnut Ave																
To: 54-1126; Gap																
1108 54 W Eighth St	0.07	**10**	**R**								NA			NA		05/29/2007
From: 54-1109 St Frances Ave																
To: 54-1105 Virginia Ave																
1108 54 W Eighth St	0.07	**180**	**R**								NA			NA		05/04/2004
From: 54-1117 Piedmont Ave																
To: US 522 Mineral Ave																
1108 54 W Eighth St	0.06	**250**	**R**								NA			NA		05/04/2004
From: 54-665 Kennon Rd																
To: 54-1123 Ninth St																
1108 54 W Eighth St	0.12	**300**	**R**								NA			NA		05/04/2004
From: 54-1108 Eighth St																
To: 54-1115 Seventh St																
1108 54 E Eighth St	0.05	**20**	**R**								NA			NA		05/31/2007
From: 54-1116 Fourth St																
To: 54-1106 Third St																
1109 54 St Frances Ave	0.13	**60**	**R**								NA			NA		04/30/2004
From: 54-1105 Virginia Ave																
To: 54-1117 Piedmont Ave																
1109 54 St Frances Ave	0.08	**190**	**R**								NA			NA		04/30/2004
From: 54-1118 St Marys Ave																
To: US 522 Mineral Ave																
1109 54 St Frances Ave	0.08	**70**	**R**								NA			NA		04/30/2004
From: 54-1107 Louisa Ave																
To: 54-1103 Richmond Ave																
1109 54 St Frances Ave	0.27	**100**	**R**								NA			NA		04/30/2004
From: Dead End																
To: 54-1121 St Marys Ave																
1109 54 St Frances Ave	0.08	**80**	**R**								NA			NA		04/30/2004
From: 54-1108 Eighth St																
To: 54-1106 Third St																
1110 54 W Fifth St	0.07	**40**	**R**								NA			NA		05/05/2004
From: 54-1105 Virginia Ave																
To: 54-1117 Piedmont Ave																
1110 54 W Fifth St	0.06	**110**	**R**								NA			NA		04/30/2004
From: 54-1118 St Marys Ave																
To: US 522 Mineral Ave																
1110 54 W Fifth St	0.05	**130**	**R**								NA			NA		04/30/2004
From: 54-1107 Louisa Ave																
To: 54-1103 Richmond Ave																
1110 54 E Fifth St	0.07	**670**	**R**								NA			NA		04/30/2004
From: 54-1103 Richmond Ave																
To: Dead End																
1110 54 E Fifth St	0.12	**90**	**R**								NA			NA		05/31/2007
From: Dead End																
To: 54-1117 Piedmont Ave																
1110 54 E Fifth St	0.09	**20**	**R**								NA			NA		07/07/2004
From: 54-1117 Piedmont Ave																
To: 54-1121 St Marys Ave																
1111 54 W Second St	0.13	**30**	**R**								NA			NA		04/27/2004
From: 54-1121 St Marys Ave																
To: US 522 Mineral Ave																
1111 54 W Second St	0.01	**110**	**R**								NA			NA		04/27/2004
From: US 522 Mineral Ave																
To: 54-1123 Ninth St																
1111 54 W Second St	0.05	**430**	**R**								NA			NA		04/27/2004
From: 54-1123 Ninth St																
To: 54-1108 Third St																

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

Route	Length	AADT	QA	4Tire	Bus	Truck: 2Axle	Truck: 3+Axle	Truck: 1Trail	Truck: 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mineral																
(1111 54) E Second St	0.02	**390**	**R**								NA			NA		04/27/2004
From: US 522 Mineral Ave To: 54-1125 Railroad Ave																
(1112 54) W First St	0.04	**150**	**R**								NA			NA		04/27/2004
From: Dead End To: US 522; SR 22																
(1113 54) Sixth St	0.06	**50**	**R**								NA			NA		05/29/2007
From: Dead End To: 54-1118, St Marys Ave																
(1113 54) Sixth St	0.05	**70**	**R**								NA			NA		04/30/2004
From: 54-1118, St Marys Ave To: US 522 Mineral Ave																
(1114 54) E Second St	0.02	**150**	**R**								NA			NA		07/07/2004
From: 54-1119 Firemans Ave To: 54-1107 W, Louisa Ave																
(1114 54) E Second St	0.03	**320**	**R**								NA			NA		07/07/2004
From: 54-1107 W, Louisa Ave To: 54-1107 E, Louisa Ave																
(1114 54) E Second St	0.11	**30**	**R**								NA			NA		07/07/2004
From: 54-1107 E, Louisa Ave To: 54-1103 Richmond Ave																
(1114 54) E Second St	0.02	**45**	**R**								NA			NA		05/31/2007
From: 54-1103 Richmond Ave To: 0.02 ME 54-1103 Richmond Ave																
(1114 54) E Second St	0.05	**40**	**R**								NA			NA		05/31/2007
From: 0.02 ME 54-1103 Richmond Ave To: 54-1104 Albemarle Ave																
(1115 54) W Seventh St	0.21	**150**	**R**								NA			NA		05/29/2007
From: 54-1127 Chestnut Ave To: 54-1109, St Frances Ave																
(1115 54) W Seventh St	0.07	**90**	**R**								NA			NA		05/05/2004
From: 54-1109, St Frances Ave To: 54-1105 Virginia Ave																
(1115 54) W Seventh St	0.06	**120**	**R**								NA			NA		05/05/2004
From: 54-1105 Virginia Ave To: 54-1117 Piedmont Ave																
(1115 54) W Seventh St	0.12	**200**	**R**								NA			NA		05/05/2004
From: 54-1117 Piedmont Ave To: US 522 Mineral Ave																
(1116 54) W Fourth St	0.06	**100**	**R**								NA			NA		05/29/2007
From: 54-1109, St Frances Ave To: 54-1105 Virginia Ave																
(1116 54) W Fourth St	0.07	**120**	**R**								NA			NA		05/29/2007
From: 54-1105 Virginia Ave To: 54-1117 Piedmont Ave																
(1116 54) W Fourth St	0.06	**190**	**R**								NA			NA		05/29/2007
From: 54-1117 Piedmont Ave To: 54-1118, St Marys Ave																
(1116 54) W Fourth St	0.05	**210**	**R**								NA			NA		05/29/2007
From: 54-1118, St Marys Ave To: US 522 Mineral Ave																
(1116 54) E Fourth St	0.03	**230**	**R**								NA			NA		05/29/2007
From: US 522 Mineral Ave To: Dead End																
(1117 54) Piedmont Ave	0.08	**90**	**R**								NA			NA		05/29/2007
From: 54-1108 Eighth St To: 54-1115 Seventh St																
(1117 54) Piedmont Ave	0.20	**90**	**R**								NA			NA		05/05/2004
From: 54-1115 Seventh St To: 54-1110 Fifth St																
(1117 54) Piedmont Ave	0.07	**50**	**R**								NA			NA		05/05/2004
From: 54-1110 Fifth St To: 54-1116; Gap																
(1117 54) Piedmont Ave	0.08	**40**	**R**								NA			NA		05/29/2007
From: 54-1106; Gap To: 54-1111, W Second St																

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

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Mineral																
1118 54 St Marys Ave	0.09	**20**	**R**								NA			NA		04/30/2004
From: 54-1113 Sixth St To: 54-1110 Fifth St																
1118 54 St Marys Ave	0.07	**20**	**R**								NA			NA		05/29/2007
From: 54-1110 Fifth St To: 54-1116 Fourth St																
1119 54 Firemans Ave	0.08	**150**	**R**								NA			NA		04/27/2004
From: US 522 Louisa Ave To: 54-1114 Second St																
1120 54 E Sixth St	0.04	**40**	**R**								NA			NA		05/31/2007
From: 54-1107 Louisa Ave To: Dead End																
1121 54 St Marys Ave	0.08	**40**	**R**								NA			NA		05/29/2007
From: 54-1106 Third St To: 54-1111, W Second St																
1121 54 St Marys Ave	0.04	**1**	**R**								NA			NA		05/29/2007
From: 54-1111, W Second St To: Dead End																
1123 54 Ninth St	0.07	**90**	**R**								NA			NA		05/31/2007
From: 54-1127 Chestnut Ave To: 54-1126																
1123 54 Ninth St	0.07	**110**	**R**								NA			NA		05/31/2007
From: 54-1126 To: 54-1124 Park Ave																
1123 54 Ninth St	0.07	**230**	**R**								NA			NA		04/30/2004
From: 54-1124 Park Ave To: 54-1109, St Francis Ave																
1124 54 Park Ave	0.12	**60**	**R**								NA			NA		04/27/2004
From: SCL Mineral To: 54-1123 Ninth St																
1124 54 Park Ave	0.04	**70**	**R**								NA			NA		04/30/2004
From: 54-1123 Ninth St To: Dead End																
1125 54 Railroad Ave	0.08	**240**	**R**								NA			NA		04/27/2004
From: 54-1111 Second St To: US 522 Louisa Ave																
1126 54	0.03	**7**	**R**								NA			NA		05/31/2007
From: 54-1123 Ninth St To: 54-1108 Eighth St																
1126 54	0.08	**20**	**R**								NA			NA		05/29/2007
From: 54-1108 Eighth St To: 54-1115 Seventh St																
1127 54 Chestnut Ave	0.15	**50**	**R**								NA			NA		05/29/2007
From: 54-1123 Ninth St To: 54-1115 Seventh St																