2010
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
254

Town of Louisa

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 Louisa

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
22 33 West Main St	From: WCL Louisa															
	Town of Louisa (Maint: 54)	1.08	**6800**	**F**	95%	1%	1%	1%	2%	0%	F	0.092	F	0.532	7000	F
	To: SR 208 LOUISA C H															
22 33 208 West Main St	From: SR 208 LOUISA C H															
	Town of Louisa (Maint: 54)	0.40	**17000**	**F**	98%	1%	1%	0%	1%	0%	F	0.085	F	0.527	17000	F
	To: E US 33															
22 208 Louisa Rd	From: E US 33															
	Town of Louisa (Maint: 54)	0.33	**11000**	**F**	96%	1%	1%	0%	1%	0%	C	0.088	F	0.509	12000	F
	To: ECL Louisa															
33 22 West Main St	From: WCL Louisa															
	Town of Louisa (Maint: 54)	1.08	**6800**	**F**	95%	1%	1%	1%	2%	0%	F	0.092	F	0.532	7000	F
	To: SR 208 Courthouse Rd															
33 22 208 West Main St	From: SR 208 Courthouse Rd															
	Town of Louisa (Maint: 54)	0.40	**17000**	**F**	98%	1%	1%	0%	1%	0%	F	0.085	F	0.527	17000	F
	To: SR 22; SR 208 East of Louisa CH															
33 Jefferson Hwy	From: SR 22; SR 208 Main St															
	Town of Louisa (Maint: 54)	0.97	**4700**	**F**	98%	1%	1%	0%	1%	0%	C	0.091	F	0.589	4800	F
	To: ECL Louisa															
208 33 22 West Main St	From: SR 22, US 33 Louisa C H															
	Town of Louisa (Maint: 54)	0.40	**17000**	**F**	98%	1%	1%	0%	1%	0%	F	0.085	F	0.527	17000	F
	To: US 33 EAST OF LOUISA C H															
208 22 Louisa Rd	From: US 33 EAST OF LOUISA C H															
	Town of Louisa (Maint: 54)	0.33	**11000**	**F**	96%	1%	1%	0%	1%	0%	C	0.088	F	0.509	12000	F
	To: CL Louisa															
208 Elm Ave	From: SCL Louisa															
	Town of Louisa (Maint: 54)	0.40	**1700**	**F**	94%	1%	1%	1%	3%	0%	F	0.099	F	0.677	1700	F
	To: SR 22, US 33 Louisa C H															

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Town of Louisa																
628 54 Fredericksburg Ave	0.23	**1300**	**R**								NA			NA		04/22/2004
From: US 33; 54-1004																
To: 54-1014 School St																
628 54 Fredericksburg Ave	0.13	**920**	**R**								NA			NA		04/22/2004
From: 54-1014 School St																
To: ECL Louisa																
666 54 West St	0.49	**570**	**R**								NA			NA		05/21/2007
From: US 33 West Main St																
To: 54-669 Ellisville Dr																
669 54 Ellisville Dr	0.21	**2000**	**F**	97%	1%	1%	1%	1%	0%	C	0.084	F	0.601	2000	F	2010
From: US 33 West Main St																
To: 54-1006 Loving St																
669 54 Ellisville Dr	0.41	**1500**	**F**	97%	1%	1%	1%	1%	0%	F	0.089	F	0.538	1500	F	2010
From: 54-1006 Loving St																
To: NCL Louisa																
761 54 Hollyhurst Lane	0.24	**260**	**R**								NA			NA		04/16/2004
From: US 33 Jefferson Hwy																
To: Dead End																
1001 54 Church Ave	0.19	**870**	**R**								NA			NA		04/22/2004
From: US 33 West Main St																
To: 54-1010 Patrick Henry Dr																
1001 54 Church Ave	0.05	**220**	**R**								NA			NA		04/22/2004
From: 54-1010 Patrick Henry Dr																
To: 54-1014 School St																
1001 54 Church Ave	0.08	**10**	**R**								NA			NA		05/21/2007
From: 54-1014 School St																
To: Dead End																
1002 54 South St	0.04	**46**	**R**								NA			NA		04/15/2004
From: Dead End																
To: 54-1004 McDonald St																
1002 54 South St	0.18	**420**	**R**								NA			NA		04/15/2004
From: 54-1004 McDonald St																
To: 54-1003 Meadow Ave																
1002 54 South St	0.08	**340**	**R**								NA			NA		04/20/2004
From: 54-1003 Meadow Ave																
To: 54-1015 Commack St																
1002 54 Cammack St	0.11	**560**	**R**								NA			NA		04/20/2004
From: 54-1015 Commack St																
To: US 33 West Main St																
1003 54 Meadow Ave	0.19	**230**	**R**								NA			NA		04/15/2004
From: 54-1002 South St																
To: US 33 West Main St																
1004 54 McDonald St	0.17	**580**	**R**								NA			NA		05/21/2007
From: 54-1002 South St																
To: SR 208																
1004 54 McDonald St; Ashely St	0.20	**370**	**R**								NA			NA		05/21/2007
From: SR 208																
To: 54-1009 Woolfolk Ave																
1004 54 Rosewood Ave	0.05	**770**	**R**								NA			NA		04/15/2004
From: 54-1009 Woolfolk Ave																
To: US 33; 54-628																
1005 54 Loch Lane Dr	0.27	**770**	**R**								NA			NA		04/16/2004
From: Dead End																
To: US 33 West Main St																
1006 54 Loving St	0.15	**200**	**R**								NA			NA		04/21/2004
From: Dead End																
To: 54-669 Ellisville Dr																
1007 54 Lyde St	0.15	**950**	**R**								NA			NA		05/21/2007
From: 54-1024 Lyde Ave																
To: 54-1011 Carter St																
1007 54 Lyde Ave	0.18	**1000**	**R**								NA			NA		04/16/2004
From: 54-1011 Carter St																
To: US 33 West Main St																

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Town of Louisa																
1008 54 Cutler Ave	0.06	**80**	**R**								NA			NA		04/21/2004
From: 54-1012 Pinehurst Dr																
To: 54-1010 Patrick Henry Dr																
1008 54 Cutler Ave	0.09	**290**	**R**								NA			NA		04/21/2004
From: 54-1010 Patrick Henry Dr																
To: 54-1013 Sims Ave																
1008 54 Cutler Ave	0.14	**380**	**R**								NA			NA		04/21/2004
From: 54-1013 Sims Ave																
To: US 33 West Main St																
1009 54 Woolfolk Ave	0.11	**1400**	**R**								NA			NA		05/21/2007
From: 54-1004 McDonald St; Ashley St																
To: SR 208																
1010 54 Patrick Henry Dr	0.11	**170**	**R**								NA			NA		04/21/2004
From: 54-1001 Church Ave																
To: 54-1008 Cutler Ave																
1010 54 Patrick Henry Dr	0.17	**220**	**R**								NA			NA		04/21/2004
From: 54-1008 Cutler Ave																
To: Dead End																
1011 54 Carter St	0.06	**47**	**R**								NA			NA		04/16/2004
From: Dead End																
To: 54-1007 Lyde Ave																
1012 54 Pinehurst Dr	0.12	**80**	**R**								NA			NA		04/21/2004
From: 54-1008 Cutler Ave																
To: Dead End																
1013 54 Sims Ave	0.07	**180**	**R**								NA			NA		04/21/2004
From: 54-1008 Cutler Ave																
To: 54-1016 Locust St																
1013 54 Sims Ave	0.05	**30**	**R**								NA			NA		04/21/2004
From: 54-1016 Locust St																
To: Dead End																
1014 54 School St	0.14	**210**	**R**								NA			NA		04/22/2004
From: 54-628 Fredericksburg Ave																
To: 54-1001 Church Ave																
1015 54 Cammack St	0.04	**250**	**R**								NA			NA		04/20/2004
From: Dead End																
To: 54-1002 South St																
1016 54 Locust St	0.07	**110**	**R**								NA			NA		04/21/2004
From: Dead End																
To: 54-1013 Sims Ave																
1020 54 Club Rd	0.35	**450**	**R**								NA			NA		05/21/2007
From: 54-1022 Fairway Dr																
To: 54-1021 Barnstormer Circle																
1020 54 Club Rd	0.30	**1000**	**R**								NA			NA		04/16/2004
From: 54-1021 Barnstormer Circle																
To: US 33 Jefferson Hwy																
1021 54 Barnstormer Circle	0.13	**60**	**R**								NA			NA		05/21/2007
From: 54-1020 Club Rd																
To: Cul-de-Sac																
1022 54 Fairway Dr	0.29	**100**	**R**								NA			NA		05/21/2007
From: Dead End																
To: 54-1023 Woodger Circle																
1022 54 Fairway Dr	0.14	**330**	**R**								NA			NA		05/21/2007
From: 54-1023 Woodger Circle																
To: 54-1020 Club Rd																
1023 54 Woodger Circle	0.36	**170**	**R**								NA			NA		05/21/2007
From: 54-1022 Fairway Dr																
To: Cul-de-Sac																
1024 54 Lyde Ave	0.10	**1100**	**R**								NA			NA		04/16/2004
From: 54-1007 Lyde Ave																
To: Dead End																

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						2Axle	3+Axle	1Trail	2Trail							
Town of Louisa																
1046 54 Pine Ridge Dr	0.35	**NA**	From: Dead End								NA			NA		
			To: US 33 Jefferson Hwy													