2008
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
240

Town of Independence

Information in this report is included in Report

38

(Grayson 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.

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2008
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Independence

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
	From: SCL Independence															
21 221	Town of Independence (Maint: 38)	0.47	**1800**	**N**	92%	0%	1%	0%	6%	0%	N	0.096	N		1900	N
	To: US 58 Main St															
	From:															
21	Town of Independence (Maint: 38)	1.64	**1900**	**A**	96%	0%	1%	1%	2%	0%	C	0.116	A	0.627	2000	A
	To: NCL Independence															
	From: WCL Independence															
58 W Main St	Town of Independence (Maint: 38)	0.86	**2400**	**N**	90%	1%	2%	3%	5%	0%	N	0.094	N	0.704	2500	N
	To: US 21 Independence Ave															
	From:															
58 221 E Main St	Town of Independence (Maint: 38)	1.20	**6900**	**F**	92%	1%	1%	1%	4%	0%	F	0.11	F	0.63	7200	F
	To: ECL Independence															
	From: CL Independence															
221 21	Town of Independence (Maint: 38)	0.47	**1800**	**N**	92%	0%	1%	0%	6%	0%	N	0.096	N		1900	N
	To: US 58 INDEPENDENCE															
	From:															
221 58 E Main St	Town of Independence (Maint: 38)	1.20	**6900**	**F**	92%	1%	1%	1%	4%	0%	F	0.11	F	0.63	7200	F
	To: CL Independence															

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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 Independence																
684 38 Elliott Place	0.25	**320**	**R**								NA			NA		1999
From: WCL Independence																
To: US 21																
684 38 Pinehurst St	0.22	**160**	**R**								NA			NA		1999
From: US 21																
To: Dead End																
685 38 Power House Rd	0.74	**670**	**R**								NA			NA		1999
From: US 58, E Main St																
To: 38-1140																
685 38 Power House Rd	0.14	**700**	**R**								NA			NA		1999
From: 38-1140																
To: ECL Independence																
702 38	0.56	**460**	**N**								NA			NA		02/28/2006
From: SCL Independence																
To: US 58 W Main St																
802 38	0.63	**220**	**N**								NA			NA		03/02/2006
From: SCL Independence																
To: US 58 E Main St																
1100 38 Wolf Ave	0.03	**8**	**R**								NA			NA		1995
From: 38-1132 Williams St																
To: Dead End																
1101 38 Davis St	0.24	**1100**	**R**								NA			NA		1995
From: US 21																
To: 38-1131 Anvil Rock Rd																
1101 38 Davis St	0.10	**740**	**R**								NA			NA		1995
From: 38-1131 Anvil Rock Rd																
To: 38-1104; 38-1105																
1102 38 Hackler Lane	0.15	**720**	**R**								NA			NA		1995
From: US 58, W Main St																
To: US 21																
1103 38 Edgewood Dr	0.34	**110**	**R**								NA			NA		1995
From: Dead End																
To: US 58, W Main St																
1103 38 Edgewood Dr	0.12	**60**	**R**								NA			NA		1999
From: US 58, W Main St																
To: 0.12 MN US 58																
1104 38	0.08	**70**	**R**								NA			NA		1995
From: 38-1101; 38-1105																
To: Dead End																
1105 38	0.23	**450**	**R**								NA			NA		1995
From: US 58, E Main St																
To: 38-1108 Hillcrest																
1106 38 Lonesome Ave	0.05	**600**	**R**								NA			NA		1995
From: US 58, E Main St																
To: 38-1101 Davis St																
1107 38 Circle Dr	0.02	**20**	**R**								NA			NA		1995
From: 38-1105																
To: 38-1108 Hillcrest																
1108 38 Hillcrest	0.34	**100**	**R**								NA			NA		1995
From: 38-685 Power House Rd																
To: Dead End																
1109 38 Carpenter St	0.13	**90**	**R**								NA			NA		1995
From: US 21																
To: 38-1123																
1109 38 Carpenter St	0.05	**49**	**R**								NA			NA		1999
From: 38-1123																
To: Dead End																
1110 38	0.05	**8**	**R**								NA			NA		1995
From: 38-1108 Hillcrest																
To: Dead End																

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Town of Independence																
(1111) 38 Library St	0.14	**280**	From: US 21 **R** To: 38-802								NA			NA		1995
(1112) 38 Moore St	0.06	**49**	From: US 21 **R** To: Dead End								NA			NA		1999
(1113) 38 Hawkins Lane	0.07	**30**	From: US 58, W Main St **R** To: Dead End								NA			NA		1999
(1114) 38 Anders St	0.07	**130**	From: 38-1122 Grayson Ave **R** To: 38-685 Power House Rd								NA			NA		1995
(1115) 38 Miles St	0.26	**110**	From: US 21 **R** To: Dead End								NA			NA		1995
(1116) 38 Colonial Dr	0.05	**50**	From: 38-684 Pinehurst St **R** To: Dead End								NA			NA		1995
(1117) 38 Meadow View Dr	0.10	**110**	From: 38-1120 Round Hill Rd **R** To: US 21								NA			NA		1995
(1118) 38 Mill Ave	0.10	**180**	From: Dead End **R** To: US 58, E Main St								NA			NA		1995
(1119) 38	0.47	**830**	From: Dead End **R** To: US 58, E Main St								NA			NA		1995
(1120) 38 Round Hill Rd	0.07	**10**	From: Dead End **R** To: 38-1130								NA			NA		1995
(1120) 38 Round Hill Rd	0.15	**60**	From: 38-1130 **R** To: 38-684 Elliott Place								NA			NA		1995
(1121) 38	0.10	**70**	From: US 58, E Main St **R** To: Dead End								NA			NA		1995
(1122) 38 Grayson Ave	0.14	**350**	From: US 58, E Main St **R** To: 38-685 Power House Rd								NA			NA		1995
(1123) 38	0.20	**100**	From: Dead End **R** To: US 21								NA			NA		1995
(1124) 38	0.26	**1200**	From: US 58, E Main St **R** To: 38-685 Power House Rd								NA			NA		1995
(1125) 38	0.06	**30**	From: 38-1140 **R** To: Dead End								NA			NA		1995
(1130) 38	0.09	**10**	From: 38-1120 Round Hill Rd **R** To: Dead End								NA			NA		1995
(1131) 38 Anvil Rock Rd	0.21	**30**	From: 38-1101 Davis St **R** To: 0.21 MN 38-1101								NA			NA		1999
(1131) 38 Anvil Rock Rd	0.20	**6**	From: 0.21 MN 38-1101 **R** To: Dead End								NA			NA		1995

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						2Axle	3+Axle	1Trail	2Trail							
Town of Independence																
1132 38 Williams St	0.16	**60**	From: 38-802 Hilltop Dr **R** To: Dead End								NA			NA		1995
1133 38 Poplar Ave	0.06	**7**	From: 38-1101 Davis St **R** To: Dead End								NA			NA		1991
1134 38	0.24	**180**	From: Dead End **R** To: 38-1119								NA			NA		1995
1134 38	0.22	**70**	From: **R** To: Dead End								NA			NA		1995
1136 38	0.09	**250**	From: US 21 **R** To: Dead End								NA			NA		1995
1137 38 Courthouse Ave	0.04	**190**	From: US 58, E Main St **R** To: 38-1101 Davis St								NA			NA		1995
1138 38 Anderson St	0.09	**70**	From: US 21 **R** To: Dead End								NA			NA		1995
1139 38	0.17	**220**	From: 38-802 SOUTH **R** To: 38-802 NORTH								NA			NA		1995
1140 38	0.34	**NA**	From: 38-1124 To: 38-685 Power House Rd								NA			NA		
1141 38	0.07	**NA**	From: 38-1140 To: Dead End								NA			NA		
9176 38	0.11	**950**	From: Independence High **R** To: US 58 E Main St								NA			NA		1995