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

where available

Special Locality Report
289

Town of Rich Creek

Information in this report is included in Report

35

(Giles 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 Rich Creek

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: US 460 Virginia Ave															
219 Federal St	Town of Rich Creek (Maint: 35)	0.57	**9100**	**G**	96%	0%	1%	1%	1%	0%	C	0.089	F		9600	G
	To: ECL Rich Creek															
	From: WCL Rich Creek															
460	Town of Rich Creek (Maint: 35)	0.65	**9200**	**N**	91%	0%	1%	1%	7%	0%	N	0.081	N		9800	N
	To: US 219 Rich Creek															
	From: US 219 Rich Creek; Island St															
460 Virginia Ave	Town of Rich Creek (Maint: 35)	0.73	**6900**	**G**	91%	0%	1%	1%	7%	0%	F	0.076	F		7300	G
	To: 35-712 Riverside Dr															
	From:															
460	Town of Rich Creek (Maint: 35)	0.18	**11000**	**N**	91%	0%	1%	1%	7%	0%	N	0.081	N		12000	N
	To: ECL Rich Creek															

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Town of Rich Creek																
647 35 Powell Mtn Rd	0.29	**160**	**N**								NA			NA		03/22/2006
From: NCL Rich Creek																
To: 35-1024 Powell Mtn Rd																
712 35 Riverside Dr	0.52	**240**	**R**								NA			NA		03/15/2006
From: US 460 S, Virginia Ave																
To: 35-1021 Old Virginia Ave																
712 35 Old Va Ave	0.08	**5100**	**R**								NA			NA		03/15/2006
From: 35-1021 Old Virginia Ave																
To: US 460 N, Virginia Ave																
726 35 Old Peterstown Rd	0.14	**210**	**R**								NA			NA		03/22/2006
From: 35-1006 Woodland St																
To: NCL Rich Creek																
806 35 Virginia Ave	0.04	**8**	**R**								NA			NA		03/29/2006
From: WCL Rich Creek																
To: 35-1018 Powells Lane																
806 35 Virginia Ave	0.04	**80**	**R**								NA			NA		03/29/2006
From: 35-1018 Powells Lane																
To: 35-1025 Summit Dr																
806 35 Virginia Ave	0.14	**470**	**R**								NA			NA		03/29/2006
From: 35-1025 Summit Dr																
To: 35-1024 Powell Mtn Rd																
806 35 Virginia Ave	0.09	**810**	**R**								NA			NA		03/29/2006
From: 35-1024 Powell Mtn Rd																
To: 35-1010 Spruce St																
806 35 Virginia Ave	0.15	**1000**	**R**								NA			NA		03/29/2006
From: 35-1010 Spruce St																
To: 35-1020 North St																
806 35 Virginia Ave	0.06	**1200**	**R**								NA			NA		03/29/2006
From: 35-1020 North St																
To: US 219 Federal St																
1001 35 Church St	0.20	**170**	**R**								NA			NA		03/22/2006
From: US 219 Federal St																
To: 0.20 MN US 219																
1001 35 Church St	0.42	**170**	**R**								NA			NA		03/22/2006
From: 0.20 MN US 219																
To: Dead End																
1002 35 Knob St	0.04	**1300**	**R**								NA			NA		03/22/2006
From: 35-1023 Federal St																
To: 35-1021 Old Virginia Ave																
1002 35 Knob St	0.05	**380**	**R**								NA			NA		03/22/2006
From: 35-1021 Old Virginia Ave																
To: 35-1019 Giles Ave																
1002 35 Knob St	0.06	**240**	**R**								NA			NA		03/22/2006
From: 35-1019 Giles Ave																
To: 35-1003 Shumate Ave																
1003 35 Shumate Ave	0.05	**30**	**R**								NA			NA		03/22/2006
From: 35-1006 Woodland St																
To: 35-1002 Knob St																
1005 35 Mercer Rd	0.25	**70**	**R**								NA			NA		03/22/2006
From: 35-1006 Woodland St																
To: 35-1006 Woodland St																
1006 35 Woodland St	0.04	**40**	**R**								NA			NA		08/15/2008
From: Dead End																
To: 35-1012 Highland Court																
1006 35 Woodland St	0.14	**30**	**R**								NA			NA		03/22/2006
From: 35-1012 Highland Court																
To: 35-1014 E, Greenbrier Dr																
1006 35 Woodland St	0.17	**90**	**R**								NA			NA		03/22/2006
From: 35-1014 E, Greenbrier Dr																
To: 35-1014 W, Greenbrier Dr																
1006 35 Woodland St	0.15	**290**	**R**								NA			NA		03/22/2006
From: 35-1014 W, Greenbrier Dr																
To: 35-726 Old Peterstown Rd																
1006 35 Woodland St	0.08	**430**	**R**								NA			NA		03/22/2006
From: 35-726 Old Peterstown Rd																
To: 35-1005 E, Mercer Rd																

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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 Rich Creek																
1006 35 Woodland St	0.05	**470**	**R**								NA			NA		03/22/2006
From: 35-1005 E, Mercer Rd																
To: 35-1005 W, Mercer Rd																
1006 35 Woodland St	0.36	**600**	**R**								NA			NA		03/22/2006
From: 35-1005 W, Mercer Rd																
To: 35-1003 Shumate Ave																
1006 35 Woodland St	0.06	**610**	**R**								NA			NA		03/22/2006
From: 35-1003 Shumate Ave																
To: 35-1019 Giles Ave																
1006 35 Woodland St	0.05	**900**	**R**								NA			NA		03/22/2006
From: 35-1019 Giles Ave																
To: 35-1021 Old Virginia Ave																
1006 35 Federal St	0.04	**140**	**R**								NA			NA		03/22/2006
From: 35-1021 Old Virginia Ave																
To: 35-1023 Federal St																
1007 35 Hilltop St	0.10	**30**	**R**								NA			NA		03/15/2006
From: 35-712 Riverside Dr																
To: Dead End																
1008 35 Walnut St	0.15	**50**	**R**								NA			NA		03/15/2006
From: 35-712 Riverside Dr																
To: Dead End																
1009 35 Locust St	0.10	**40**	**R**								NA			NA		03/15/2006
From: 35-712 Riverside Dr																
To: Dead End																
1010 35 Spruce St	0.07	**210**	**R**								NA			NA		03/29/2006
From: 35-806 Virginia Ave																
To: 35-1022																
1010 35 Spruce St	0.01	**70**	**R**								NA			NA		03/29/2006
From: 35-1022																
To: 35-1020 North St																
1011 35 Pleasant St	0.12	**30**	**R**								NA			NA		03/15/2006
From: 35-712 Riverside Dr																
To: Dead End																
1012 35 Highland Court	0.04	**10**	**R**								NA			NA		03/22/2006
From: 35-1015 Pine Place																
To: 35-1013 Taylor Court																
1012 35 Highland Court	0.04	**10**	**R**								NA			NA		03/22/2006
From: 35-1013 Taylor Court																
To: 35-1006 Woodland St																
1013 35 Taylor Court	0.09	**40**	**R**								NA			NA		03/22/2006
From: 35-1012 Highland Court																
To: 35-1014 Greenbrier Dr																
1014 35 Greenbrier Dr	0.05	**120**	**R**								NA			NA		03/22/2006
From: 35-1006 Woodland St																
To: 35-1015 Pine Place																
1014 35 Greenbrier Dr	0.04	**80**	**R**								NA			NA		03/22/2006
From: 35-1015 Pine Place																
To: 35-1013 Taylor Court																
1014 35 Greenbrier Dr	0.04	**10**	**R**								NA			NA		03/22/2006
From: 35-1013 Taylor Court																
To: 35-1006 Woodland St																
1015 35 Pine Place	0.23	**30**	**R**								NA			NA		03/22/2006
From: Cul-de-Sac																
To: 35-1012 Highland Court																
1015 35 Pine Place	0.10	**70**	**R**								NA			NA		03/22/2006
From: 35-1012 Highland Court																
To: 35-1014 Greenbrier Dr																
1016 35 Cherry Ave	0.05	**30**	**R**								NA			NA		08/15/2008
From: Dead End																
To: 35-712 Riverside Dr																
1017 35 Park Lane	0.15	**10**	**R**								NA			NA		03/22/2006
From: Dead End																
To: 35-726 Old Peterstown Rd																

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						2Axle	3+Axle	1Trail	2Trail							
Town of Rich Creek																
1018 35 Powells Lane	0.25	**46**	From: Dead End **R** To: 35-806 Virginia Ave								NA			NA		03/29/2006
1019 35 Giles Ave	0.05	**460**	From: 35-1006 Woodland St **R** To: 35-1002 Knob St								NA			NA		03/22/2006
1019 35 Giles Ave	0.05	**580**	From: 35-1002 Knob St **R** To: US 219 Federal St								NA			NA		03/22/2006
1020 35 North St	0.20	**150**	From: 35-806 Virginia Ave **R** To: 35-1010 Spruce St								NA			NA		03/29/2006
1021 35 Old Virginia Ave	0.10	**5600**	From: 35-712 Old Va Ave; Riverside Dr **R** To: 35-1006 Federal St; Woodland St								NA			NA		03/22/2006
1021 35 Old Virginia Ave	0.07	**5600**	From: 35-1006 Federal St; Woodland St **R** To: 35-1002 Knob St								NA			NA		03/22/2006
1021 35 Old Virginia Ave	0.06	**6200**	From: 35-1002 Knob St **R** To: US 219 Federal St								NA			NA		03/22/2006
1022 35	0.05	**47**	From: 35-1010 Spruce St **R** To: Dead End								NA			NA		03/29/2006
1023 35 Federal St	0.06	**100**	From: 35-1006 Federal St **R** To: 35-1002 Knob St								NA			NA		03/22/2006
1023 35 Federal St	0.08	**40**	From: 35-1002 Knob St **R** To: Dead End								NA			NA		08/15/2008
1024 35 Powell Mtn Rd	0.14	**300**	From: 35-806 Virginia Ave **R** To: 35-647 Powell Mtn Rd								NA			NA		03/29/2006
1024 35	0.04	**90**	From: 35-647 Powell Mtn Rd **R** To: Dead End								NA			NA		03/29/2006
1025 35 Summit Dr	0.30	**40**	From: 35-806 Virginia Ave **R** To: NCL Rich Creek								NA			NA		03/29/2006