

2016
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report

198

Town of Coeburn

Information in this report is included in Report

97

(Wise 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

- North
 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
 Bus - Business Route
Bypass - Bypass Route
Truck - Truck Route
- ALT
 ALT - Alternate Route
Wve - Wve 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 Maintenance 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
2016
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Coeburn

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
ALT 58 Norton Coeburn Rd	Town of Coeburn (Maint: 97)	0.94	10000	N	94%	0%	1%	1%	4%	0%	N	0.084	0.586	11000	N	
ALT 58 Senator M M Long Hwy	Town of Coeburn (Maint: 97)	0.90	7800	G	94%	0%	1%	1%	4%	0%	F	0.082	0.574	8500	G	
ALT 58 Senator M M Long Hwy	Town of Coeburn (Maint: 97)	2.71	6700	G	94%	0%	1%	1%	4%	0%	F	0.085	0.535	7300	G	
72	Town of Coeburn (Maint: 97)	0.35	2000	N	98%	0%	1%	0%	1%	0%	N	0.093	0.578	2100	N	
72 Dungannon Rd	Town of Coeburn (Maint: 97)	0.19	2100	G	74%	1%	2%	3%	21%	0%	F	0.104	0.629	2200	G	
72 158 Front St	Town of Coeburn (Maint: 97)	0.65	4500	G	98%	1%	0%	0%	1%	0%	F	0.094	0.537	4700	G	
72 Laurel Ave	Town of Coeburn (Maint: 97)	1.36	3500	G	74%	1%	2%	3%	21%	0%	F	0.088	0.614	3700	G	
158 72 Front St	Town of Coeburn (Maint: 97)	0.65	4500	G	98%	1%	0%	0%	1%	0%	F	0.094	0.537	4700	G	
158 Front St	Town of Coeburn (Maint: 97)	1.04	890	G	98%	1%	0%	0%	1%	0%	C	0.104	0.657	940	G	
158 Front St	Town of Coeburn (Maint: 97)	0.33	3800	G	97%	0%	0%	0%	2%	0%	C	0.101	0.751	4000	G	

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						2Axle	3+Axle	1Trail	2Trail							
Town of Coeburn																
From: 158 813 2nd St	0.12	2900	G	97%	0%	CL Coeburn				F	0.09		0.782	3000	G	2016
To: 158 813 2nd St	0.19	3300	G	97%	0%	RT 690				F	0.09		0.782	3500	G	2016
From: 646 97 Coeburn Mtn Rd	0.72	1600	G	98%	0%	WCL Coeburn				F	0.107		0.501	1600	G	2016
To: 646 97 Coeburn Mtn Rd						SR 72 Laurel Ave										
From: 658 97 Central St	0.19	1800	G	99%	0%	WCL Coeburn				C	0.092		0.508	1900	G	2016
To: 658 97 Central St	0.55	1000	G	99%	0%	97-1129 May Ave				F	0.096		0.547	1100	G	2016
From: 658 97 Crab Orchard Rd	0.12	2000	R			97-884 Quillen Ave SE										
To: 658 97 Crab Orchard Rd						Quillen Ave				NA				NA		07/29/2003
From: 690 97 Prospect Ave	0.03	680	R			SCL Coeburn										
To: 690 97 Prospect Ave	0.49	470	R			97-813 Old Norton Coeburn Rd				NA				NA		05/14/2007
From: 690 97 Prospect Ave	0.49	470	R			Alt US 58				NA				NA		05/14/2007
To: 690 97 Prospect Ave						97-646 Coeburn Mtn Rd										
From: 696 97 5th St	0.20	170	R			97-690 W, Prospect Ave				NA				NA		05/14/2007
To: 696 97 5th St						97-690 E, Prospect Ave										
From: 718 97 Maple Ave; Spring St	0.34	160	R			97-658 River View Rd				NA				NA		07/29/2003
To: 718 97 Maple Ave; Spring St						Dead End										
From: 719 97 Hamilton St	0.20	160	R			Dead End				NA				NA		04/30/2007
To: 719 97 Hamilton St						SR 72										
From: 754 97 5th St	0.09	140	R			97-690 Prospect Ave				NA				NA		05/14/2007
To: 754 97 5th St						97-696 5th St										
From: 756 97 Railroad St	0.10	180	R			97-1129 May Ave				NA				NA		05/14/2007
To: 756 97 Railroad St						Dead End										
From: 813 97 2nd St	0.12	2900	G	97%	0%	WCL Coeburn				F	0.09		0.782	3000	G	2016
To: 813 97 2nd St	0.19	3300	G	97%	0%	97-690 Prospect Ave				F	0.09		0.782	3500	G	2016
From: 877 97	0.04	NA				US 58 ALT; SR 72										
To: 877 97						97-658 Crab Orchard Rd; 97-878				NA				NA		
From: 878 97	0.04	2900	R			Dead End				NA				NA		04/30/2007
To: 878 97						97-658; 97-877 Gap										
From: 881 97 Poplar Rd	0.08	110	R			Private Dr				NA				NA		05/14/2007
To: 881 97 Poplar Rd						97-756 Railroad St										
From: 884 97 Quielen Ave	0.43	1400	G	99%	0%	SR 72				C	0.091		0.532	1400	G	2016
To: 884 97 Quielen Ave						SR 158 Front St										
From: 1101 97 North St	0.45	2100	R			SR 72 Laurel Ave				NA				NA		05/10/2007
To: 1101 97 North St						97-1105 W, 2nd St										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Coeburn																
(1101/97) Diagonal St	0.04	1800	R				97-1105 W, 2nd St				NA			NA		05/10/2007
(1101/97) Centre St	0.05	990	R				97-1103; 97-1105				NA			NA		05/10/2007
(1102/97) Tate St	0.15	880	R				Alt US 58				NA			NA		05/14/2007
(1103/97) Centre Ave	0.10	840	R				97-1101 S, Centre St; Diagonal St				NA			NA		05/10/2007
(1103/97) Centre Ave	0.10	1100	R				97-1104 North St				NA			NA		05/10/2007
(1103/97) Centre Ave	0.51	1400	R				97-1106 Grand Ave				NA			NA		05/10/2007
(1104/97) North St	0.19	48	R				97-1101 North St				NA			NA		05/10/2007
(1104/97) North St	0.09	100	R				97-1109 High St				NA			NA		05/10/2007
(1104/97)	0.12	150	R				97-1106 Grand Ave				NA			NA		05/10/2007
(1105/97) 2nd St	0.07	3000	R				Alt US 58				NA			NA		05/10/2007
(1105/97) 2nd St	0.15	2300	R				97-1101 W, Diagonal St				NA			NA		05/14/2007
(1105/97) 2nd St	0.30	920	R				97-1101 E, Centre St; Diagonal St				NA			NA		05/14/2007
(1106/97) Grand Ave	0.38	290	R				97-1106 Grand Ave				NA			NA		05/14/2007
(1106/97) Grand Ave	0.10	2200	R				97-1103 Centre Ave				NA			NA		05/10/2007
(1107/97) Meadow St	0.35	420	R				97-1107 Meadow St				NA			NA		05/10/2007
(1108/97) East Ave	0.07	1000	R				Alt US 58				NA			NA		05/14/2007
(1109/97) High St	0.07	1300	R				97-1105, 2nd St				NA			NA		05/10/2007
(1109/97) High St	0.07	70	R				Alt US 58				NA			NA		05/14/2007
(1109/97) High St	0.09	10	R				97-1104 North St				NA			NA		05/10/2007
(1110/97) Brook Ave	0.07	170	R				Dead End				NA			NA		05/10/2007
(1111/97) Jefferson St	0.11	170	R				Alt US 58				NA			NA		05/14/2007
							97-1105, 2nd St				NA			NA		05/14/2007
							SR 72				NA			NA		05/14/2007
							Dead End				NA			NA		05/14/2007

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						2Axle	3+Axle	1Trail	2Trail							
Town of Coeburn																
(1116/97) 3rd St	0.13	260	R			From: 97-690 Prospect Ave					NA			NA		05/14/2007
(1116/97) 3rd St	0.10	2100	R			To: 97-1128 4th St; Columbus Ave					NA			NA		05/14/2007
						From: SR 72 Laurel Ave										
(1128/97) Columbus Ave	0.10	610	R			To: 97-813 Old Norton Coeburn Rd					NA			NA		05/14/2007
(1128/97) 4th St	0.15	210	R			From: 97-1116, 3rd St					NA			NA		05/14/2007
						To: SR 72 Laurel Ave										
(1129/97) May Ave	0.23	480	R			From: SCL Coeburn					NA			NA		10/23/2000
(1129/97) May Ave	0.32	2900	R			To: 97-658 River View Rd					NA			NA		05/14/2007
						From: 97-813 Old Norton Coeburn Rd										
(1131/97) Litchfield St	0.07	1100	R			To: Dead End					NA			NA		05/10/2007
						From: SR 72 Laurel Ave										
(1132/97) 6th St	0.27	100	R			To: Dead End					NA			NA		05/14/2007
						From: 97-690 Prospect Ave										
(1133/97) Western Hills Ave	0.07	160	R			To: Alt US 58					NA			NA		05/14/2007
						From: Dead End										
(1135/97) Little League Rd	0.11	410	R			To: SR 72 Laurel Ave					NA			NA		05/10/2007
						From: NCL Coeburn										
(1136/97) 7th St	0.10	60	R			To: Dead End					NA			NA		05/14/2007
						From: 97-690 Prospect Ave										
(1137/97) Dickerson St	0.07	150	R			To: Dead End					NA			NA		05/17/2007
(1137/97) Dickerson St	0.07	48	R			To: 0.07 MN Dead End					NA			NA		05/14/2007
						From: Alt US 58										
(9556/97)	0.13	940	R			To: 97-1103 Centre Ave					NA			NA		05/10/2007
						From: Coeburn Middle Sch										
(9636/97)	0.25	1900	R			To: 97-1101 North St					NA			NA		05/10/2007
						From: Coeburn High School										
(9637/97) Schoolhouse Hill Rd	0.50	470	R			To: Coeburn Elementary Sch					NA			NA		05/10/2007
						From: 97-1103 Centre Ave										