2019

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

where available

Special Locality Report

170

Town of Boones Mill

Information in this report is included in Report

33

(Franklin County)

Prepared By

Virginia Department of Transportation

Traffic Engineering Division

In Cooperation With

U.S. Department of Transportation

Federal Highway Administration

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

(29) US Route

(7) Virginia State Route

(F241) Frontage Road (F precedes frontage route number)

(600) Secondary Route

Special Routes

Bus
(29) Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route
ALT
(220) ALT - Alternate Route
Wye - Wye Route connector

(11 P) P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.

(600 154) 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.

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
220	e Hwy	From: SCL Boones Mill	1.32	27000	G	87%	1%	1%	1%	10%	1%	F	0.083	F	0.633	28000	G
	Town of Boones Mill (Maint: 33)	To: NCL Boones Mill															

Route		Length	AADT	QA	4Tire	Bus	Truck 2Axle	3+Axle	1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year

Town of Boones Mill

Route		Length	AADT	QA	4Tire	Bus	2Axle	3+Axle	1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
(684) 33	Boones Mill Rd	0.62	1900	G	98%	0%	1%	1%	0%	0%	C	0.104	F	0.714	2000	G	2019
	From: US 220; Virgil H Goode Hwy																
	To: ECL Boones Mill																
(739) 33	Bethlehem Rd	0.02	2100	N	98%	0%	1%	1%	1%	0%	N	0.107	F	0.845	2100	N	2019
	From: WCL Boones Mill																
	To: 33-1609 Oakwood Dr																
(739) 33	Bethlehem Rd	0.16	3000	G	98%	1%	1%	1%	0%	0%	C	0.104	F		3100	G	2019
	From: 33-1609 Oakwood Dr																
	To: US 220 Virgil H Goode Hwy																
(1601) 33	Easy St	0.23	130	R								NA			NA		07/27/2017
	From: Dead End																
	To: 33-1602 Boon St																
(1601) 33	Easy St	0.10	1200	R								NA			NA		07/27/2017
	From: 33-1602 Boon St																
	To: 33-684 Boones Mill Rd																
(1602) 33	Boon St	0.05	1600	R								NA			NA		07/27/2017
	From: US 220 Virgil H Goode Hwy																
	To: 33-1603 Main St																
(1602) 33	Boon St	0.01	1300	R								NA			NA		07/27/2017
	From: 33-1603 Main St																
	To: 33-1601 Easy St																
(1603) 33	Main St	0.12	440	R								NA			NA		07/27/2017
	From: 33-1602 Boon St																
	To: 33-684 Boones Mill Rd																
(1604) 33	Church Hill	0.20	510	R								NA			NA		07/27/2017
	From: 33-684 Boones Mill Rd																
	To: Dead End																
(1605) 33	Whispering Creek Rd	0.23	700	R								NA			NA		07/27/2017
	From: US 220 Virgil H Goode Hwy																
	To: 33-684 Boones Mill Rd																
(1606) 33	Dogwood Hill Rd	0.40	150	R								NA			NA		07/27/2017
	From: Dead End																
	To: 33-1607 Heatherwood Dr																
(1606) 33	Dogwood Hill Rd	0.10	600	R								NA			NA		07/27/2017
	From: 33-1607 Heatherwood Dr																
	To: 33-739 Bethlehem Rd																
(1607) 33	Heatherwood Dr	0.18	380	R								NA			NA		07/27/2017
	From: WCL Boones Mill																
	To: 33-1606 Dogwood Hill Rd																
(1608) 33	Mountainaire Rd	0.14	70	R								NA			NA		09/05/2014
	From: WCL Boones Mill																
	To: 33-739 Bethlehem Rd																
(1609) 33	Oakwood Dr	0.25	30	R								NA			NA		07/27/2017
	From: 33-739 Bethlehem Rd																
	To: Dead End																
(1610) 33	Angell Lane	0.20	70	R								NA			NA		07/27/2017
	From: WCL Boones Mill																
	To: US 220 Virgil H Goode Hwy																
(1611) 33	Winding Way Rd	0.35	300	R								NA			NA		07/27/2017
	From: US 220 Virgil H Goode Hwy																
	To: NCL Boones Mill																
(1615) 33	Murray Hill Rd	0.02	30	R								NA			NA		07/27/2017
	From: Dead End																
	To: 33-1611 Winding Way Rd																