

2017

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

where available

Special Locality Report

222

Town of Glade Spring

Information in this report is included in Report

95

(Washington 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
-  F241 Frontage Road (F precedes frontage route number)
-  600 Secondary Route

Special Routes

-  Bus 29 Bus - Business Route
-  Bypass - Bypass Route
-  Truck - Truck Route
-  ALT - Alternate Route
-  Wve - Wve Route connector
-  11 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 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
 2017
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Glade Spring

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
91 Maple St	From:	SCL Glade Spring															
	Town of Glade Spring (Maint: 95)	1.37	8200	G	94%	0%	0%	4%	2%	0%	F	0.086		0.607	8600	G	
91 Monte Vista Dr	From:	BUS SR 91 Glade St															
	Town of Glade Spring (Maint: 95)	0.77	4200	G	94%	0%	0%	4%	2%	0%	C	0.090		0.623	4400	G	
Bus 91 Glade St	From:	S SR 91 Glade Spring															
	Town of Glade Spring (Maint: 95)	1.38	830	G	99%	0%	0%	0%	0%	0%	C	0.102		0.55	860	G	
	To:	N SR 91 Glade Spring : Maple St															


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						2Axle	3+Axle	1Trail	2Trail							
Town of Glade Spring																
(609/95) Hillman Hwy	0.42	1600	R								0.116	0.635	NA			09/22/2017
			From: WCL Glade Spring													
			To: 95-750 Old Mill Rd													
(609/95) Maple St	0.06	2800	G	99%	0%	0%	0%	0%	0%	F	0.098	0.582	2900	G		2017
			From: SR 91 BUS; Gap													
			To: 95-752; 95-1309 Gap													
(609/95) Blue Hill Rd	0.78	610	G	99%	0%	0%	0%	0%	0%	F	0.095	0.532	640	G		2017
			From: ECL Glade Spring													
			To: 95-609 Hillman Hwy													
(750/95) Old Mill Rd	0.08	1800	G	100%	0%	0%	0%	0%	0%	F	0.096	0.581	1900	G		2017
			From: 95-751 S, Forest Hills Dr													
(750/95) Old Mill Rd	0.38	1300	N	100%	0%	0%	0%	0%	0%	N	0.108	0.62	1300	N		2017
			From: NCL Glade Spring													
			To: WCL Glade Spring													
(751/95) Forest Hills Dr	0.49	410	R								NA		NA			06/23/2017
			From: 95-750 S, Old Mill Rd													
			To: 95-609; 95-1309													
(752/95) Bedford Lane	0.63	90	R								NA		NA			06/23/2017
			From: SR 91 Monte Vista Dr													
			To: 95-750 S, Old Mill Rd													
(760/95) Magnolia Dr	0.10	20	R								NA		NA			06/23/2017
			From: 0.10 MN 95-750 Old Mill Rd													
(760/95) Magnolia Dr	0.10	47	R								NA		NA			06/23/2017
			From: 95-750 N, Old Mill Rd													
			To: Dead End													
(832/95) Strawberry Ln	0.13	45	R								NA		NA			08/30/2017
			From: Bus SR 91													
			To: Bus SR 91													
(1301/95) Sycamore St	0.07	110	R								NA		NA			07/27/2017
			From: 95-1313 Cherry St													
(1301/95) Sycamore St	0.23	80	R								NA		NA			07/27/2017
			From: 95-1304 Sycamore St													
			To: Bus SR 91													
(1302/95) Curtis Lane	0.07	30	R								NA		NA			08/31/2017
			From: Dead End													
			To: SR 91 Maple St													
(1303/95) Kirkwood St	0.32	180	R								NA		NA			07/27/2017
			From: 95-1304 Sycamore St													
(1303/95) Kirkwood St	0.08	210	R								NA		NA			07/27/2017
			From: Bus SR 91													
			To: Dead End													
(1304/95) Sycamore St	0.03	90	R								NA		NA			08/31/2017
			From: 95-1301 Sycamore St													
(1304/95) Sycamore St	0.10	130	R								NA		NA			07/27/2017
			From: 95-1303 Kirkwood St													
			To: SR 91 Maple St													
(1305/95) Highland Ave	0.17	130	R								NA		NA			06/23/2017
			From: 95-1307 Stadium St													
(1305/95) Highland Ave	0.15	150	R								NA		NA			06/23/2017
			From: Bus SR 91													
			To: 95-1307 Stadium St													
(1306/95) Hemlock St	0.06	140	R								NA		NA			06/23/2017
			From: Bus SR 91													
(1306/95) Hemlock St	0.06	40	R								NA		NA			08/31/2017
			From: Dead End													

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						2Axle	3+Axle	1Trail	2Trail							
Town of Glade Spring																
(1307/95) Stadium St	0.22	150	R			From: 95-1306 Hemlock St					NA			NA		06/23/2017
(1307/95) Stadium St	0.08	140	R			From: 95-1311 Mesa Dr					NA			NA		06/23/2017
						To: 95-1305 Highland Ave										
(1308/95) Vine St/Holston Hgts	0.06	70	R			From: 95-1310 Holston Hgts					NA			NA		06/23/2017
						To: 95-1311 Mesa Dr										
(1309/95) Crescent Rd	0.08	1400	G	99%	0%	From: Bus SR 91				C	0.109		0.646	1500	G	2017
(1309/95) Crescent Rd	0.29	630	R			From: 95-609; 95-752					NA			NA		06/23/2017
						To: SR 91 Monte Vista Dr										
(1310/95) Holston Hgts	0.07	170	R			From: SR 91 Maple St					NA			NA		07/27/2017
						To: 95-1311 Mesa Dr										
(1310/95) Holston Hgts	0.06	140	R			From: 95-1314 Sweet Briar St					NA			NA		07/27/2017
						To: 95-1308 Vine St/Holston Hgts										
(1310/95) Holston Hgts	0.04	150	R			From: 95-1308 Vine St/Holston Hgts					NA			NA		07/27/2017
						To: Dead End										
(1311/95) Mesa Dr	0.09	90	R			From: 95-1310 Holston Hgts					NA			NA		08/31/2017
						To: 95-1308 Vine St/Holston Hgts										
(1311/95) Mesa Dr	0.18	130	R			From: 95-1308 Vine St					NA			NA		06/23/2017
						To: 95-1307 Stadium St										
(1312/95) Stage Coach Rd	0.23	880	R			From: 95-1317; SCL Glade Spring					NA			NA		09/20/2017
						To: SR 91 N, Maple St										
(1313/95) Cherry St	0.19	150	R			From: SR 91 Maple St					NA			NA		07/27/2017
						To: 95-1301 Sycamore St										
(1314/95) Sweet Briar St	0.09	70	R			From: Dead End					NA			NA		08/31/2017
						To: 95-1310 Holston Hgts										
(1317/95) Olive St	0.14	60	R			From: 95-1312; SCL Glade Spring					NA			NA		08/31/2017
						To: Dead End										
(1321/95) Spring Hill Dr	0.53	350	R			From: 95-1322 Spring Garden Dr					NA			NA		07/27/2017
						To: Bus SR 91										
(1322/95) Spring Garden Dr	0.20	270	R			From: 95-1321 Spring Hill Dr					NA			NA		07/27/2017
						To: Cul-de-Sac										
(1323/95) Mimosa St	0.12	70	R			From: Dead End					NA			NA		08/31/2017
						To: 95-1304 Sycamore St										
(1324/95) Spring Crest Dr	0.19	80	R			From: 95-1321 Spring Hill Dr					NA			NA		08/31/2017
						To: Cul-de-Sac										
(1326/95)	0.19	80	R			From: CL Glade Spring; 95-1325					NA			NA		08/31/2017
						To: Dead End										

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						2Axle	3+Axle	1Trail	2Trail									
Town of Glade Spring																		
	0.25	640	R	From: Glade Spring School												NA	NA	05/02/2017
				To: 95-1312 Stage Coach Rd														