

2020
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
192
Town of Clarksville

Information in this report is included in Report
58
(Mecklenburg County)

Prepared By
Virginia Department of Transportation
Traffic Engineering Division

In Cooperation With
U.S. Department of Transportation
Federal Highway Administration

The reported 2020 AADTs represent the best estimate of 2020 average daily traffic, however, this year's AADTs do vary from normal traffic in the years prior to 2020 due to COVID-19. The reported AADTs may not represent typical traffic for a given day or period within the year as the drastic seasonal variations were normalized through the factoring process. The 2020 publications are therefore colored to draw users attention to the fact that uses of the 2020 published estimates versus alternative data sources should be determined at users' discretion based on the objectives or nature of the analyses being performed.

The estimated 2020 DVMT for the entire state maintained network total to 208,000,000, which has trended down by 11 percent compared to the 2019 level of 234,000,000. For most traffic links across the state, the estimated 2020 AADTs are also seen to have decreased from their 2019 levels.

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 buses.

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
Bypass - Bypass Route



Truck - Truck Route
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
 2020
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Clarksville

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
15 College St	Town of Clarksville (Maint: 58)	0.73	2500	N	98%	0%	1%	0%	1%	0%	N	0.1	F	0.541	2400	N
From: SCL Clarksville																
To: US 58 Virginia Ave																
Bus 15 58 49 Virginia Ave	Town of Clarksville (Maint: 58)	0.88	5800	G	99%	0%	0%	0%	0%	0%	C	0.087	F	0.533	5700	G
From: US 58; College St																
To: NCL Clarksville																
Bus 49 58 Virginia Ave	Town of Clarksville (Maint: 58)	0.97	3400	G	98%	0%	0%	0%	1%	0%	C	0.104	F	0.511	3500	G
From: WCL Clarksville																
To: US 15, US 58																
Bus 49 15 58 Virginia Ave	Town of Clarksville (Maint: 58)	0.88	5800	G	99%	0%	0%	0%	0%	0%	C	0.087	F	0.533	5700	G
From: US 15 W, College St																
To: NCL Clarksville																
Bus 58 49 Virginia Ave	Town of Clarksville (Maint: 58)	0.97	3400	G	98%	0%	0%	0%	1%	0%	C	0.104	F	0.511	3500	G
From: WCL Clarksville																
To: US 15 W, College St																
Bus 58 15 49 Virginia Ave	Town of Clarksville (Maint: 58)	0.88	5800	G	99%	0%	0%	0%	0%	0%	C	0.087	F	0.533	5700	G
From: US 15 W, College St																
To: NCL Clarksville																

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						2Axle	3+Axle	1Trail	2Trail							
Town of Clarksville																
(723/58) Noblin Farm Rd		770	R							C	0.138	F	0.637	NA		06/13/2013
(723/58) Shiney Rock Rd		380	G	99%	1%	0%	0%	0%	0%	C	0.120	F	0.578	370	G	2020
(750/58) Buffalo Rd		790	G	99%	1%	1%	0%	0%	0%	C	0.096	F	0.529	780	G	2020
(750/58) Buffalo Rd		620	G	98%	1%	1%	0%	0%	0%	C	0.100	F	0.653	600	G	2020
(750/58) 8th St		280	R									NA		NA		05/29/2019
(750/58) 8th St		90	R									NA		NA		05/29/2019
(1040/58)		160	R									NA		NA		05/17/2016
(1101/58) Russell St		320	G	96%	1%	1%	0%	1%	0%	C	0.112	F	0.564	310	G	2020
(1102/58) 5th St		70	R									NA		NA		09/04/2013
(1102/58) 5th St		670	R									NA		NA		09/04/2013
(1103/58) Market St		60	R									NA		NA		05/29/2019
(1104/58) Market St		90	R									NA		NA		05/29/2019
(1104/58) Market St		220	G	98%	1%	1%	0%	0%	0%	C	0.155	F	0.684	220	G	2020
(1105/58) 4th St		250	R									NA		NA		07/18/2013
(1105/58) 4th St		410	G	97%	1%	1%	0%	0%	0%	C	0.107	F	0.531	400	G	2020
(1105/58) 4th St		760	G	97%	1%	1%	0%	0%	0%	F	0.11	F	0.630	740	G	2020
(1105/58) 4th St		410	R									NA		NA		05/22/2019
(1105/58) 4th St		260	R									NA		NA		05/21/2019
(1106/58) 3rd St		40	R									NA		NA		05/21/2019
(1106/58) 3rd St		220	R									NA		NA		05/21/2019
(1107/58) 7th St		200	R									NA		NA		05/21/2019






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						2Axle	3+Axle	1Trail	2Trail							
Town of Clarksville																
1107 58 7th St		210	G	98%	2%	From: 58-1117 Carolina St				C	0.123	F	0.552	200	G	2020
						To: US 58										
1108 58 Rose Hill Ave		310	G	100%	0%	From: 58-750 Buffalo Rd				C	0.132	F	0.571	300	G	2020
						To: 58-1122, 6th St										
1108 58 Rose Hill Ave		380	R			From: 58-1105 S, 4th St				NA			NA		05/30/2019	
1108 58 Rose Hill Ave		270	R			From: 58-1105 N, 4th St				NA			NA		06/20/2019	
						To: 58-1102, 5th St										
1109 58 East St		120	R			From: 58-1106, 3rd St				NA			NA		05/21/2019	
						To: 58-1105, 4th St										
1110 58 Dan Circle		45	R			From: 58-1108 Rose Hill Ave				NA			NA		07/16/2013	
						To: 58-750 Buffalo Rd										
1111 58 Forest Hill St		190	R			From: 58-1146 Oakview Dr				NA			NA		07/16/2013	
						To: US 15 College St										
1112 58 Carol Ave		90	R			From: 58-1113 Mecklenburg Blvd				NA			NA		07/16/2013	
						To: 58-1115 Chandler St										
1113 58 Mecklenburg Blvd		70	R			From: 58-1116 Gap				NA			NA		07/16/2013	
						To: 58-1114 Gap										
1113 58 Mecklenburg Blvd		48	R			From: 58-1112 Carol Ave				NA			NA		07/16/2013	
						To: US 15 College St										
1114 58 Sunnyside St		90	R			From: 58-1113 Mecklenburg Blvd				NA			NA		05/21/2019	
						To: US 15 College St										
1115 58 Chandler St		100	R			From: 58-1113 Mecklenburg Blvd				NA			NA		05/21/2019	
						To: US 15 College St										
1116 58 Adams St		90	R			From: 58-1113 Mecklenburg Blvd				NA			NA		07/16/2013	
						To: 58-1107, 7th St										
1117 58 Carolina St		100	R			From: 58-1102, 5th St				NA			NA		05/29/2019	
						To: 58-1111 Forest Hill St										
1118 58 Grace St		20	R			From: 58-1119 Ferry St				NA			NA		05/21/2019	
						To: 58-750 Buffalo Rd										
1119 58 Ferry St		130	R			From: 58-1118 Grace St				NA			NA		07/16/2013	
						To: 58-1111 Forest Hill St										
1119 58 Ferry St		80	R			From: 58-1111 Forest Hill St				NA			NA		07/16/2013	
						To: 58-750 Buffalo Rd										
1120 58 Fontaine Garrett Dr		450	R			From: WCL Clarksville				NA			NA		05/22/2019	
						To: Dead End										
1121 58 Sizemore St		60	R			From: 58-1105, 4th St				NA			NA		07/26/2019	
						To: US 58										
1122 58 6th St		130	G	94%	3%	From: 58-1108 Rose Hill Ave				C	0.15	F	0.619	120	G	2020
						To: 58-1108 Rose Hill Ave										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Clarksville																
1123 58 Commerce St		180	R	From: 58-1107, 7th St								NA	NA	07/18/2013		
				To: Dead End												
1124 58 9th St		360	R	From: 58-1103 Market St								NA	NA	05/21/2019		
				To: US 58, 9th St												
1125 58 Woodland Dr		400	G	97%	1%	1%	1%	0%	0%	C	0.11	F	0.6	400	G	2020
				To: 58-750 Buffalo Rd												
1126 58 Nero St		110	R	From: 58-750 Buffalo Rd								NA	NA	05/21/2019		
				To: 58-1141 Pine Valley Rd												
1127 58 Easley St		90	R	From: 58-1128 Crescent Dr								NA	NA	05/22/2019		
				To: US 58												
1128 58 Crescent Dr		20	R	From: Dead End								NA	NA	07/24/2019		
				To: 58-1130 W, Altavista Dr												
1128 58 Crescent Dr		110	R	From: 58-1130 E, Altavista Dr								NA	NA	05/22/2019		
				To: 58-1130 E, Altavista Dr												
1129 58 Park Ave		100	R	From: Dead End								NA	NA	07/24/2019		
				To: US 58												
1130 58 Altavista Dr		60	R	From: 58-1128 E, Crescent Dr								NA	NA	05/22/2019		
				To: 58-1128 W, Crescent Dr												
1131 58 Mansion Dr		160	R	From: 58-1142 Venable Lane								NA	NA	05/22/2019		
				To: US 58												
1131 58 Mansion Dr		210	R	From: US 58								NA	NA	05/22/2019		
				To: 58-750 Buffalo Rd												
1132 58 Park Ave		60	R	From: US 58								NA	NA	07/16/2013		
				To: 58-750 Buffalo Rd												
1140 58 Cedar St		40	R	From: 58-1108 Rose Hill Ave								NA	NA	05/21/2019		
				To: 58-1141 Pine Valley Ave												
1141 58 Pine Valley Ave		49	R	From: 58-1126 Nero St								NA	NA	05/21/2019		
				To: 58-1140 Cedar St												
1142 58 Venable Lane		110	R	From: 58-1131 Mansion Dr								NA	NA	07/24/2019		
				To: Dead End												
1143 58 Marshall Dr		240	R	From: 58-1142 Venable Lane								NA	NA	05/22/2019		
				To: US 58												
1144 58 Willow Oak Dr		30	R	From: 58-1142 Venable Lane								NA	NA	07/17/2013		
				To: 58-1145 Westview Lane												
1145 58 Westview Lane		100	R	From: 58-1131 Mansion Dr								NA	NA	07/17/2013		
				To: 58-1148 Fairfield Dr												
1145 58 Westview Lane		90	R	From: 58-1148 Fairfield Dr								NA	NA	07/23/2013		
				To: 58-1143 Marshall Dr												

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						2Axle	3+Axle	1Trail	2Trail							
Town of Clarksville																
 Oakview Dr		80	R			From	58-1111 Forest Hill St					NA		NA		07/16/2013
 Oakview Dr		110	R			To	58-1147 Inlet Court					NA		NA		07/24/2019
						From	Cul-de-Sac									
 Inlet Court		10	R			To	58-1146 Oakview Dr					NA		NA		07/24/2019
 Fairfield Dr		60	R			From	58-1142 Venable Lane					NA		NA		05/22/2019
						To	58-1145 Westview Lane									
 Marrow St		50	R			From	WCL Clarksville					NA		NA		07/17/2013
						To	58-1131 Mansion Dr									