

2019
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
107
City of Covington

Information in this report is included in Report
03
(Alleghany 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
-  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
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 2019
 Annual Average Daily Traffic Volume Estimates By Section of Route
 City of Covington

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
18 Indian Valley	From: SCL Covington City of Covington	0.37	3300	G	97%	1%	0%	0%	0%	0%	F	0.172	F	0.587	3500	G
18 S Carpenter Dr	From: S Pitzer Ridge City of Covington	0.44	4800	G	97%	1%	0%	0%	0%	0%	C	0.136	F	0.611	5100	G
18 S Carpenter Dr	To: Gordon Street From: East Gordon Street City of Covington	0.31	5400	G	97%	1%	0%	0%	0%	0%	F	0.112	F	0.62	5700	G
18 Carpenter Dr	To: Edgemont Drive From: US 220 Madison St City of Covington	1.20	4600	G	97%	1%	0%	1%	1%	0%	C	0.110	F	0.631	4900	G
60 N Monroe Avenue	From: WCL Covington City of Covington	0.09	3800	G	98%	0%	1%	0%	0%	0%	F	0.093	F	0.587	4100	G
60 N Monroe Avenue	To: SR 154 W Riverside St From: W Locust Street City of Covington	0.14	3300	G	98%	0%	1%	0%	0%	0%	F	0.094	F	0.586	3500	G
60 S Monroe Avenue	To: E Oak Street From: US 220 N Alleghany Ave City of Covington	0.43	4700	G	98%	0%	1%	0%	0%	0%	C	0.085	F	0.545	4900	G
60 S Monroe Avenue	To: S Highland Ave From: SR 18 Carpenter St City of Covington	0.40	4700	G	98%	0%	1%	0%	0%	0%	F	0.088	F	0.545	5000	G
60 220 E Madison Avenue	To: ECL Covington From: WCL Covington City of Covington (Maint: 03)	0.12	12000	G	98%	0%	1%	0%	0%	0%	F	0.080	F	0.598	13000	G
60 220 East Madison St	To: SR 154 Durant Rd From: ECL Covington City of Covington (Maint: 03)	0.26	13000	G	91%	1%	1%	1%	7%	0%	C	0.084	F	0.628	14000	G
60 220 E Madison St	To: SR 154 Durant Rd From: ECL Covington City of Covington (Maint: 03)	0.46	12000	G	90%	1%	1%	2%	7%	0%	C	0.083	F	0.595	13000	G
East 64	From: WCL Covington City of Covington (Maint: 03)	0.21	5200	G	77%	1%	1%	1%	20%	0%	F	0.081	F		4900	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		10000	G	76%	1%	1%	1%	21%	0%	F	0.077	F	0.516	9800	G
East 64	To: SR 154 Durant Rd From: ECL Covington City of Covington (Maint: 03)	1.19	6900	G	77%	1%	1%	1%	20%	0%	F	0.086	F		6500	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	76%	1%	1%	1%	21%	0%	F	0.081	F	0.517	13000	G
East 64 Ramp	To: SR 154 S Durant Rd/S Craig Ave From: I-64 East City of Covington (Maint: 03)	0.18	910	G								0.097	F		970	G
West 64	From: WCL Covington City of Covington (Maint: 03)	0.28	5100	G	75%	1%	1%	1%	22%	0%	F	0.087	F		5000	G
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		10000	G	76%	1%	1%	1%	21%	0%	F	0.082	F	0.551	9800	G
	To: SR 154 Durant Rd															

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							2Axle	3+Axle	1Trail	2Trail						
West 64	From: SR 154 Durant Rd City of Covington (Maint: 03)	1.08	6800	G	75%	1%	1%	1%	22%	0%	F	0.089	F	6500	G	
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	76%	1%	1%	1%	21%	0%	F	0.080	F	13000	G	
	To: ECL Covington; Ramp from US 60															
West 64 Ramp	From: I-64 West City of Covington (Maint: 03)	0.12	2500	G								0.104	F	2600	G	
	To: SR 154 S Durant Rd/S Craig Ave															
154 S Durant Rd/S Craig Ave	From: I-64 Covington City of Covington (Maint: 03)	0.75	10000	G	98%	0%	0%	0%	1%	0%	C	0.097	F	11000	G	
	To: Chestnut Street															
154 Craig Ave	From: Locust Street City of Covington	0.56	4200	G	98%	0%	0%	0%	0%	0%	C	0.101	F	4500	G	
	To: Lexington Avenue															
154 E Riverside St	From: Lexington Avenue City of Covington	0.28	2700	G	98%	0%	1%	1%	1%	0%	C	0.1	F	2800	G	
	To: Monroe Avenue															
154 E Riverside St	From: Monroe Avenue City of Covington	0.24	5100	G	80%	0%	1%	2%	17%	0%	C	0.09	F	5400	G	
	To: Magazine Avenue															
154 East Hickory St	From: Riverside St City of Covington	0.09	1000	G	98%	0%	1%	1%	0%	0%	C	0.107	F	1100	G	
	To: Alleghany Avenue															
154 Ramp	From: SR 154 City of Covington (Maint: 03)	0.11	2300	G								0.107	F	2400	G	
	To: I-64 East															
154 Ramp	From: SR 154 S Durant Rd/S Craig Ave City of Covington (Maint: 03)	0.16	950	G								0.12	F	1000	G	
	To: I-64 West															
South 154 Ramp	From: SR 154 TO I-64 EAST City of Covington (Maint: 03)	0.04	1700	G								0.107	F	1700	G	
	To: SR 154- A: 107-3605-N001A FROM RT															
220 60 E Madison St	From: ECL Covington City of Covington	0.46	12000	G	90%	1%	1%	2%	7%	0%	C	0.083	F	13000	G	
	To: SR 18 Carpenter St															
220 60 East Madison St	From: SR 18 Carpenter St City of Covington	0.26	13000	G	91%	1%	1%	1%	7%	0%	C	0.084	F	14000	G	
	To: S Highland Avenue															
220 60 E Madison Avenue	From: S Highland Avenue City of Covington	0.12	12000	G	98%	0%	1%	0%	0%	0%	F	0.080	F	13000	G	
	To: S Monroe Avenue															
220 N Alleghany Ave	From: S Monroe Avenue City of Covington	0.93	9500	G	97%	0%	1%	1%	1%	0%	F	0.078	F	10000	G	
	To: E Locust Street															
220 N Alleghany Ave	From: E Locust Street City of Covington	0.62	9300	G	97%	0%	1%	1%	1%	0%	F	0.076	F	9900	G	
	To: N Magazine Avenue															

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 2019
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Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
220 N Alleghany Ave	From:	E Riverside St															
	City of Covington	0.66	5700	G	97%	0%	1%	1%	1%	0%	C	0.092	F	0.588	6100	G	
	To:	NCL Covington															

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2019
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						2Axle	3+Axle	1Trail	2Trail							
City of Covington																
(F203) Totten Dr	0.79	80	R								NA			NA		10/25/2017
(F204) Carlton Dr	0.48	40	R								NA			NA		10/23/2017
(1) E Mallow Rd	0.86	400	N	98%	0%	1%	1%	0%	0%	N	0.127	F	0.776	420	N	2019
(2) Hawthorne St	0.42	530	G	98%	0%	1%	0%	0%	0%	C	0.154	F	0.784	560	G	2019
(3) Lexington Ave	0.71	1300	G	97%	1%	1%	1%	1%	0%	C	0.119	F	0.594	1400	G	2019
(4) Locust St	0.13	3300	G	99%	0%	0%	0%	0%	0%	C	0.098	F	0.559	3600	G	2019
(5) Chestnut St	0.13	2400	G	98%	0%	1%	1%	0%	0%	C	0.104	F	0.523	2600	G	2019
(5) Chestnut St	0.19	1700	G	99%	1%	0%	0%	0%	0%	C	0.099	F		1900	G	2019
(5) Chestnut St	0.10	1300	G	98%	1%	1%	0%	0%	0%	C	0.118	F		1300	G	2019
(3601) Pitzer Ridge Rd	0.37	430	G	99%	1%	0%	0%	0%	0%	C	0.114	F	0.614	450	G	2019
(3605) W Edgemont Dr	0.67	3200	G	97%	1%	0%	1%	1%	0%	C	0.103	F	0.51	3400	G	2019
(3605) S Rayon Dr	0.21	3100	G	98%	1%	0%	0%	1%	0%	C	0.102	F	0.66	3200	G	2019
(3605) W Jackson St	0.43	3600	G	98%	1%	0%	0%	1%	0%	C	0.102	F	0.628	3800	G	2019
(3605) S Durrant Rd	0.45	9100	G	98%	0%	0%	0%	1%	0%	C	0.099	F	0.502	9600	G	2019
North (3605) Ramp	0.04	1300	G								0.096	F		1300	G	2019
Beverly Avenue		110	G								0.132	F	0.786	110	G	2019
Cedar St		280	G								0.101	F	0.517	280	G	2019
Dollyann Dr		510	G								0.091	F	0.904	510	G	2019
E Chestnut St		6800	G	99%	0%	1%	0%	0%	0%	C	0.086	F	0.546	6800	G	2019
E Chestnut St		1200	G	98%	0%	1%	0%	0%	0%	C	0.1	F		1200	G	2019

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Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
City of Covington																
E Fairlawn Dr		80	G			E Scotland Drive				0.134	F	0.667	80	G	2019	
						S Carlton Drive										
E Gordon St		190	G			S Powhatan Avenue				0.128	F	0.708	190	G	2019	
						Smith Avenue										
E Gray St		260	G			S Mound Avenue				0.155	F	0.57	260	G	2019	
						S Pond Avenue										
E Hawthorne St		NA				S Lawn Ave				NA			NA			
						S Highland Ave										
E Magazine Ave		220	G	96%	1%	3%	0%	0%	0%	C	0.097	F	0.546	220	G	2019
						US 220 N Alleghany Ave										
						Hazel St										
E Mallow St		1300	G	99%	0%	0%	0%	0%	0%	C	0.09	F	0.531	1300	G	2019
						SR 18 S Carpenter Dr										
						E Hamilton Dr										
E Michigan St		220	G			S Greenway Drive				0.144	F	0.586	220	G	2019	
						Woodfield Dr										
E Scotland Rd		60	G			S Carlton Drive				0.136	F	0.75	60	G	2019	
						E Fairlawn Drive										
E Trout St		920	G			Carpenter Drive				0.111	F	0.592	920	G	2019	
						ECL Covington										
Forest Avenue		40	G			S Greenway Drive				0.216	F	0.563	40	G	2019	
						Dead End										
N Magazine Ave		4400	G	84%	0%	1%	1%	13%	0%	C	0.085	F	0.525	4400	G	2019
						E Larch St										
						N Mill Rd										
N Maple Ave		1200	G	96%	1%	2%	0%	0%	0%	C	0.134	F	0.506	1200	G	2019
						W Locust St										
						W Main St										
N Marion St		310	G			W Locust Street				0.133	F	0.646	310	G	2019	
						W Hawthorne Street										
N Rockbridge Ave		90	G			E. Willow St.				0.175	F	0.594	90	G	2019	
						E. Cedar St.										
Pocahontas Avenue		140	G			Cedar Street				0.169	F	0.609	140	G	2019	
						McAllister Street										
S Carlton Dr		140	G			E Scotland Road				0.132	F	0.564	140	G	2019	
						E Fairlawn Drive										
S Greenway Dr		430	G			E Michigan Street				0.12	F	0.58	430	G	2019	
						E Pennsylvania Street										
S Highland Ave		2000	G	96%	0%	1%	0%	2%	0%	C	0.09	F	0.517	2000	G	2019
						E Pine St										
						E Oak St										
S Maple		170	G			W Fudge St				0.139	F	0.577	170	G	2019	
						W Pine St										

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						2Axle	3+Axle	1Trail	2Trail									
City of Covington																		
W Hawthorne St		730	G	From: N Maple Avenue												730	G	2019
				To: N Court Avenue														
W Main St		2100	G	96%	1%	From: N Maple Ave				C	0.118	F	0.504	2100	G	2019		
						To: N Court Ave												
W Riverview Dr		530	G	From: S Durant Road												530	G	2019
				To: S Conrad Avenue														
Woodlawn Avenue		30	G	From: E. Detroit Street												30	G	2019
				To: E. Michigan Street														