2018
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
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
Wye - Wye 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 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.

Virginia Department of Transportation
Traffic Engineering Division
2018
Annual Average Daily Traffic Volume Estimates By Section of Route
City of Covington

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
18 Indian Valley	City of Covington	From: SCL Covington	0.37	3300	G	97%	1%	0%	0%	0%	0%	F	0.172	F	0.587	3600	G
		To: S Pitzer Ridge															
18 S Carpenter Dr	City of Covington	From: S Pitzer Ridge	0.44	4800	G	97%	1%	0%	0%	0%	0%	C	0.136	F	0.611	5100	G
		To: Gordon Street															
18 S Carpenter Dr	City of Covington	From: East Gordon Street	0.31	5400	G	97%	1%	0%	0%	0%	0%	F	0.112	F	0.62	5700	G
		To: Edgemont Drive															
18 Carpenter Dr	City of Covington	From: Edgemont Drive	1.20	4600	G	97%	1%	0%	1%	1%	0%	C	0.110	F	0.631	4900	G
		To: US 220 Madison St															
60 N Monroe Avenue	City of Covington	From: WCL Covington	0.09	3900	G	98%	0%	1%	0%	0%	0%	F	0.093	F	0.587	4100	G
		To: SR 154 W Riverside St															
60 N Monroe Avenue	City of Covington	From: SR 154 W Riverside St	0.14	3300	G	98%	0%	1%	0%	0%	0%	F	0.094	F	0.586	3500	G
		To: W Locust Street															
60 S Monroe Avenue	City of Covington	From: W Locust Street	0.43	4700	G	98%	0%	1%	0%	0%	0%	C	0.085	F	0.545	4900	G
		To: E Oak Street															
60 S Monroe Avenue	City of Covington	From: E Oak Street	0.40	4700	G	98%	0%	1%	0%	0%	0%	F	0.088	F	0.545	5000	G
		To: US 220 N Alleghany Ave															
60 220 E Madison Avenue	City of Covington	From: US 220 N Alleghany Ave	0.12	12000	G	98%	0%	1%	0%	0%	0%	F	0.080	F	0.598	13000	G
		To: S Highland Ave															
60 220 East Madison St	City of Covington	From: S Highland Ave	0.26	13000	G	91%	1%	1%	1%	7%	0%	C	0.084	F	0.628	14000	G
		To: SR 18 Carpenter St															
60 220 E Madison St	City of Covington	From: SR 18 Carpenter St	0.46	12000	G	90%	1%	1%	2%	7%	0%	C	0.083	F	0.595	13000	G
		To: ECL Covington															
East 64	City of Covington (Maint: 03)	From: WCL Covington	0.21	5100	F	77%	1%	1%	1%	20%	0%	F	0.081	F		4800	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:			10000	F	76%	1%	1%	1%	21%	0%	F	0.077	F	0.516	9700	F
		To: SR 154 Durant Rd															
East 64	City of Covington (Maint: 03)	From:	1.19	6800	F	77%	1%	1%	1%	20%	0%	F	0.086	F		6400	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:			14000	F	76%	1%	1%	1%	21%	0%	F	0.081	F	0.517	13000	F
		To: ECL Covington															
East 64 Ramp	City of Covington (Maint: 03)	From: I-64 East	0.18	900	F								0.097	F		970	F
		To: SR 154 S Durant Rd/S Craig Ave															
West 64	City of Covington (Maint: 03)	From: WCL Covington	0.28	5100	F	75%	1%	1%	1%	22%	0%	F	0.087	F		4900	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:			10000	F	76%	1%	1%	1%	21%	0%	F	0.082	F	0.551	9700	F
		To: SR 154 Durant Rd															

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West 64	From: SR 154 Durant Rd															
	City of Covington (Maint: 03)	1.08	**6700**	**F**	75%	1%	1%	1%	22%	0%	F	0.089	F		6500	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**14000**	**F**	76%	1%	1%	1%	21%	0%	F	0.080	F	0.508	13000	F
	To: ECL Covington; Ramp from US 60															
West 64 Ramp	From: I-64 West															
	City of Covington (Maint: 03)	0.12	**2500**	**F**								0.104	F		2600	F
	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	0.567	11000	G
	To: Chestnut Street															
154 Craig Ave	From: City of Covington	0.56	**4200**	**G**	98%	0%	0%	0%	0%	0%	C	0.101	F	0.663	4500	G
	To: Locust Street															
154 E Riverside St	From: Lexington Avenue															
	City of Covington	0.28	**2700**	**G**	98%	0%	1%	1%	1%	0%	C	0.1	F	0.618	2800	G
	To: Monroe Avenue															
154 E Riverside St	From: City of Covington	0.24	**5100**	**G**	80%	0%	1%	2%	17%	0%	C	0.09	F	0.544	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	0.757	1100	G
	To: Alleghany Avenue															
154 Ramp	From: SR 154															
	City of Covington (Maint: 03)	0.11	**2300**	**F**								0.107	F		2400	F
	To: I-64 East															
154 Ramp	From: SR 154 S Durant Rd/S Craig Ave															
	City of Covington (Maint: 03)	0.16	**950**	**F**								0.12	F		1000	F
	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	0.595	13000	G
	To: SR 18 Carpenter St															
220 60 East Madison St	From: City of Covington	0.26	**13000**	**G**	91%	1%	1%	1%	7%	0%	C	0.084	F	0.628	14000	G
	To: S Highland Avenue															
220 60 E Madison Avenue	From: City of Covington	0.12	**12000**	**G**	98%	0%	1%	0%	0%	0%	F	0.080	F	0.598	13000	G
	To: S Monroe Avenue															
220 N Alleghany Ave	From: City of Covington	0.93	**9500**	**G**	97%	0%	1%	1%	1%	0%	F	0.078	F	0.527	10000	G
	To: E Locust Street															
220 N Alleghany Ave	From: City of Covington	0.62	**9300**	**G**	97%	0%	1%	1%	1%	0%	F	0.076	F	0.518	9900	G
	To: N Magazine Avenue															

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Route	Jurisdiction		Length	**AADT**	**QA**	4Tire	Bus	2Axle	3+Axle	1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
		From:	E Riverside St														
220 N Alleghany Ave	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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Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Covington																
(F203) Totten Dr	0.79	**80**	**R**								NA			NA		10/25/2017
From: Alleghany County Line																
To: 107-3605, S Durrant Rd																
(F204) Carlton Dr	0.48	**40**	**R**								NA			NA		10/23/2017
From: SR 18 Carolton Rd																
To: Dead End																
(1) E Mallow Rd	0.86	**400**	**N**	98%	0%	1%	1%	0%	0%	N	0.127	F	0.776	420	N	2018
From: SR 18 Carpenter Drive																
To: ECL Covington																
(2) Hawthorne St	0.42	**530**	**G**	98%	0%	1%	0%	0%	0%	C	0.154	F	0.784	560	G	2018
From: SR 154 Craig Ave																
To: US 60 S Monroe Avenue																
(3) Lexington Ave	0.71	**1300**	**G**	97%	1%	1%	1%	1%	0%	C	0.119	F	0.594	1400	G	2018
From: 107-5 Chestnut St																
To: Riverside St																
(4) Locust St	0.13	**3300**	**G**	99%	0%	0%	0%	0%	0%	C	0.098	F	0.559	3600	G	2018
From: SR 154 Craig Ave																
To: 107-3 Lexington Ave																
(5) Chestnut St	0.13	**2500**	**G**	98%	0%	1%	1%	0%	0%	C	0.104	F	0.523	2600	G	2018
From: SR 154 Craig Ave; S. Durant Rd																
To: 107-3 Lexington Ave																
(5) Chestnut St	0.19	**1700**	**G**	99%	1%	0%	0%	0%	0%	C	0.099	F		1900	G	2018
From: 107-3 Lexington Ave																
To: US 60 S Monroe Avenue																
(5) Chestnut St	0.10	**1300**	**G**	98%	1%	1%	0%	0%	0%	C	0.118	F		1300	G	2018
From: US 60 S Monroe Avenue																
To: US 220 N Alleghany Ave																
(3601) Pitzer Ridge Rd	0.37	**440**	**G**	99%	1%	0%	0%	0%	0%	C	0.114	F	0.614	470	G	2018
From: SCL Covington																
To: SR 18 S Carpenter Dr; Indian Valley																
(3605) W Edgemont Dr	0.67	**3200**	**G**	97%	1%	0%	1%	1%	0%	C	0.103	F	0.51	3400	G	2018
From: S Carpenter Dr																
To: Rayon Drive																
(3605) S Rayon Dr	0.21	**3100**	**G**	98%	1%	0%	0%	1%	0%	C	0.102	F	0.66	3200	G	2018
From: W Edgemont Drive																
To: W Jackson Street																
(3605) W Jackson St	0.43	**3600**	**G**	98%	1%	0%	0%	1%	0%	C	0.102	F	0.628	3800	G	2018
From: S Rayon Drive																
To: S Willis Avenue																
(3605) S Durrant Rd	0.45	**9100**	**G**	98%	0%	0%	0%	1%	0%	C	0.099	F	0.502	9700	G	2018
From: S Willis Avenue																
To: I-64																
North (3605) Ramp	0.04	**1300**	**G**								0.096	F		1300	G	2018
From: 107-3605 SR 154 I-64-E014A Ga																
To: SR 154-S000A SR 154- A FROM RT 1																
Beverly Avenue		**110**	**G**								0.132	F	0.786	110	G	2018
From: Cypress St																
To: Cedar St																
Cedar St		**280**	**G**								0.101	F	0.517	280	G	2018
From: Pocahontas Avenue																
To: Greenbrier Avenue																
Dollyann Dr		**510**	**G**								0.091	F	0.904	510	G	2018
From: E Madison Street																
To: S Pond Avenue																
E Chestnut St		**6800**	**G**	99%	0%	1%	0%	0%	0%	C	0.086	F	0.546	6800	G	2018
From: CSX Railroad																
To: S Highland Ave																
E Chestnut St		**1200**	**G**	98%	0%	1%	0%	0%	0%	C	0.1	F		1200	G	2018
From: US 60 Monroe Ave																
To: US 220 S Alleghany Ave																

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City of Covington																
		From: E Scotland Drive														
E Fairlawn Dr		**80**	**G**								0.134	F	0.667	80	G	2018
		To: S Carlton Drive														
		From: S Powhatan Avenue														
E Gordon St		**190**	**G**								0.128	F	0.708	190	G	2018
		To: Smith Avenue														
		From: S Mound Avenue														
E Gray St		**260**	**G**								0.155	F	0.57	260	G	2018
		To: S Pond Avenue														
		From: S Lawn Ave														
E Hawthorne St		**NA**									NA			NA		
		To: S Highland Ave														
		From: US 220 N Alleghany Ave														
E Magazine Ave		**220**	**G**	96%	1%	3%	0%	0%	0%	C	0.097	F	0.546	220	G	2018
		To: Hazel St														
		From: SR 18 S Carpenter Dr														
E Mallow St		**1300**	**G**	99%	0%	0%	0%	0%	0%	C	0.09	F	0.531	1300	G	2018
		To: E Hamilton Dr														
		From: S Greenway Drive														
E Michigan St		**220**	**G**								0.144	F	0.586	220	G	2018
		To: Woodfield Dr														
		From: S Carlton Drive														
E Scotland Rd		**60**	**G**								0.136	F	0.75	60	G	2018
		To: E Fairlawn Drive														
		From: Carpenter Drive														
E Trout St		**920**	**G**								0.111	F	0.592	920	G	2018
		To: ECL Covington														
		From: S Greenway Drive														
Forest Avenue		**40**	**G**								0.216	F	0.563	40	G	2018
		To: Dead End														
		From: E Larch St														
N Magazine Ave		**4400**	**G**	84%	0%	1%	1%	13%	0%	C	0.085	F	0.525	4400	G	2018
		To: N Mill Rd														
		From: W Locust St														
N Maple Ave		**1200**	**G**	96%	1%	2%	0%	0%	0%	C	0.134	F	0.506	1200	G	2018
		To: W Main St														
		From: W Locust Street														
N Marion St		**310**	**G**								0.133	F	0.646	310	G	2018
		To: W Hawthorne Street														
		From: E. Willow St.														
N Rockbridge Ave		**90**	**G**								0.175	F	0.594	90	G	2018
		To: E. Cedar St.														
		From: Cedar Street														
Pocahontas Avenue		**140**	**G**								0.169	F	0.609	140	G	2018
		To: McAllister Street														
		From: E Scotland Road														
S Carlton Dr		**140**	**G**								0.132	F	0.564	140	G	2018
		To: E Fairlawn Drive														
		From: E Michigan Street														
S Greenway Dr		**430**	**G**								0.12	F	0.58	430	G	2018
		To: E Pennsylvania Street														
		From: E Pine St														
S Highland Ave		**2000**	**G**	96%	0%	1%	0%	2%	0%	C	0.09	F	0.517	2000	G	2018
		To: E Oak St														
		From: W Fudge St														
S Maple		**170**	**G**								0.139	F	0.577	170	G	2018
		To: W Pine St														

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City of Covington																
		From:	N Maple Avenue													
W Hawthorne St		**730**	**G**								0.135	F	0.523	730	G	2018
		To:	N Court Avenue													
		From:	N Maple Ave													
W Main St		**2100**	**G**	96%	1%	2%	0%	0%	0%	C	0.118	F	0.504	2100	G	2018
		To:	N Court Ave													
		From:	S Durant Road													
W Riverview Dr		**530**	**G**								0.133	F	0.590	530	G	2018
		To:	S Conrad Avenue													
		From:	E. Detroit Street													
Woodlawn Avenue		**30**	**G**								0.208	F	0.8	30	G	2018
		To:	E. Michigan Street													