2011
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
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2011
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
	From: SCL Covington															
18 Indian Valley	City of Covington	0.37	**3600**	**F**	98%	1%	0%	1%	0%	0%	F	0.125	F		3800	F
	To: S Pitzer Ridge															
	From:															
18 S Carpenter Dr	City of Covington	0.44	**5100**	**F**	98%	1%	0%	1%	0%	0%	C	0.102	F		5400	F
	To: Gordon Street															
	From: East Gordon Street															
18 S Carpenter Dr	City of Covington	0.31	**5700**	**F**	98%	1%	0%	1%	0%	0%	F	0.098	F		6100	F
	To: Edgemont Drive															
	From: Duyant Road Ext															
18 Carpenter Dr	City of Covington	1.20	**4500**	**F**	96%	1%	1%	1%	2%	0%	C	0.092	F		4800	F
	To: US 220 Madison St															
	From: WCL Covington															
60 N Monroe Avenue	City of Covington	0.09	**3600**	**F**	98%	0%	0%	1%	0%	0%	F	0.087	F		3900	F
	To: SR 154 W Riverside St															
	From:															
60 N Monroe Avenue	City of Covington	0.14	**3600**	**F**	98%	0%	0%	1%	0%	0%	F	0.094	F		3800	F
	To: W Locust Street															
	From:															
60 S Monroe Avenue	City of Covington	0.43	**5100**	**F**	98%	0%	0%	1%	0%	0%	C	0.092	F		5400	F
	To: E Oak Street															
	From:															
60 S Monroe Avenue	City of Covington	0.40	**5300**	**F**	98%	0%	0%	1%	0%	0%	F	0.086	F		5700	F
	To: US 220 N Alleghany Ave															
	From:															
60 220 E Madison Avenue	City of Covington	0.12	**13000**	**G**	98%	0%	0%	1%	0%	0%	F	NA			14000	G
	To: S Highland Ave															
	From:															
60 220 East Madison St	City of Covington	0.26	**14000**	**F**	92%	1%	0%	1%	6%	0%	C	0.083	F		15000	F
	To: SR 18 Carpenter St															
	From:															
60 220 E Madison St	City of Covington	0.46	**12000**	**F**	92%	0%	0%	1%	7%	0%	C	0.083	F		13000	F
	To: ECL Covington															
	From: WCL Covington															
East 64	City of Covington (Maint: 03)	0.21	**5100**	**F**	77%	1%	1%	1%	20%	0%	F	NA			4700	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**11000**	**F**	76%	1%	1%	1%	21%	0%	F	NA			9900	F
	To:															
	From: SR 154 Durant Rd															
East 64	City of Covington (Maint: 03)	1.19	**6100**	**F**	77%	1%	1%	1%	20%	0%	F	NA			5600	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**12000**	**F**	76%	1%	1%	1%	21%	0%	F	NA			11000	F
	To: ECL Covington															
	From: I-64-E TO RT 154NORTH & SOUTH															
East 64 Ramp	City of Covington (Maint: 03)	0.18	**NA**									NA			NA	
	To: 107-3605 SR 154; 107-3605-N001A G															
	From: WCL Covington															
West 64	City of Covington (Maint: 03)	0.28	**5500**	**F**	76%	1%	1%	1%	21%	0%	F	NA			5100	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:		**11000**	**F**	76%	1%	1%	1%	21%	0%	F	NA			9900	F
	To: SR 154 Durant Rd															

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West 64		From: SR 154 Durant Rd															
	City of Covington (Maint: 03)		1.08	**6200**	**F**	76%	1%	1%	1%	21%	0%	F	NA			5700	F
	Combined Traffic Estimates for 2 Parallel Roadways on this Route:			**12000**	**F**	76%	1%	1%	1%	21%	0%	F	NA			11000	F
		To: ECL Covington															
West 64 Ramp		From: I-64-W TO RT 154NORTH & SOUTH															
	City of Covington (Maint: 03)		0.12	**2500**	**F**								NA			2500	F
		To: SR 154 SR 154- B TO & FROM I-64															
154 S Durant Rd/S Craig Ave		From: I-64 Covington															
	City of Covington (Maint: 03)		0.75	**11000**	**F**	98%	0%	0%	1%	0%	0%	C	0.098	F		12000	F
		To: Chestnut Street															
154 Craig Ave		From:															
	City of Covington		0.56	**5400**	**F**	99%	0%	0%	0%	0%	0%	C	0.102	F		5700	F
		To: Locust Street															
154 E Riverside St		From: Lexington Avenue															
	City of Covington		0.28	**3100**	**F**	98%	0%	1%	1%	0%	0%	C	0.099	F		3300	F
		To: Monroe Avenue															
154 E Riverside St		From:															
	City of Covington		0.24	**5300**	**F**	84%	1%	1%	2%	13%	0%	C	0.096	F		5600	F
		To: Magazine Avenue															
154 East Hickory St		From:															
	City of Covington		0.09	**1100**	**F**	84%	1%	1%	2%	13%	0%	F	0.102	F		1200	F
		To: Alleghany Avenue															
154 Ramp		From: SR 154-S000A; 107-3605-N001A FROM RT															
	City of Covington (Maint: 03)		0.11	**2900**	**F**								0.097	F		2900	F
		To: I-64-E FROM RT 154SOUTH AND DURANT R															
154 Ramp		From: SR 154 I-64-W014A TO & FROM IS 64															
	City of Covington (Maint: 03)		0.16	**1000**	**F**								0.128	F		1000	F
		To: I-64-W FROM RT 154NORTH & SOUTH															
South 154 Ramp		From: SR 154 TO I-64 EAST															
	City of Covington (Maint: 03)		0.04	**1500**	**F**								0.107	F		1500	F
		To: SR 154- A; 107-3605-N001A FROM RT															
220 60 E Madison St		From: ECL Covington															
	City of Covington		0.46	**12000**	**F**	92%	0%	0%	1%	7%	0%	C	0.083	F		13000	F
		To: SR 18 Carpenter St															
220 60 East Madison St		From:															
	City of Covington		0.26	**14000**	**F**	92%	1%	0%	1%	6%	0%	C	0.083	F		15000	F
		To: S Highland Avenue															
220 60 E Madison Avenue		From:															
	City of Covington		0.12	**13000**	**G**	98%	0%	0%	1%	0%	0%	F	NA			14000	G
		To: S Monroe Avenue															
220 N Alleghany Ave		From:															
	City of Covington		0.93	**9100**	**F**	97%	0%	1%	1%	1%	0%	F	0.083	F		9700	F
		To: E Locust Street															
220 N Alleghany Ave		From:															
	City of Covington		0.62	**9000**	**F**	97%	0%	1%	1%	1%	0%	F	0.082	F		9500	F
		To: N Magazine Avenue															
220 N Alleghany Ave		From:															
	City of Covington		0.66	**5900**	**F**	97%	0%	1%	1%	1%	0%	C	0.096	F		6300	F
		To: NCL Covington															

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City of Covington																
(F203) Totten Dr	0.79	**60**	**R**								NA			NA		07/31/2008
From: Alleghany County Line																
To: 107-3605, S Durrant Rd																
(F204) Carlton Dr	0.48	**110**	**R**								NA			NA		07/31/2008
From: SR 18 Carolton Rd																
To: Dead End																
(1) E Mallow Rd	0.86	**590**	**N**	97%	2%	0%	0%	0%	0%	N	0.119	N		610	N	2011
From: SR 18 Carpenter Drive																
To: ECL Covington																
(2) Hawthorne St	0.42	**520**	**F**	97%	1%	2%	0%	0%	0%	C	0.140	F		560	F	2011
From: SR 154 Craig Ave																
To: US 60 S Monroe Avenue																
(3) Lexington Ave	0.71	**1300**	**F**	97%	1%	1%	0%	0%	0%	C	0.109	F		1300	F	2011
From: 107-5 Chestnut St																
To: Riverside St																
(4) Locust St	0.13	**3300**	**F**	97%	0%	1%	1%	0%	0%	C	0.098	F		3500	F	2011
From: SR 154 Craig Ave																
To: 107-3 Lexington Ave																
(5) Chestnut St	0.13	**2600**	**F**	98%	0%	0%	1%	0%	0%	C	0.099	F		2700	F	2011
From: SR 154 Craig Ave; S. Durant Rd																
To: 107-3 Lexington Ave																
(5) Chestnut St	0.29	**1700**	**F**	99%	0%	0%	0%	0%	0%	C	0.099	F		1800	F	2011
From: US 220 N Alleghany Ave																
(3601) S Pitzer Ridge	0.37	**500**	**F**	99%	0%	0%	0%	0%	0%	C	0.107	F		530	F	2011
From: SR 18																
To: SCL Covington																
(3605) W Edgemont Dr	0.67	**3600**	**F**	96%	1%	0%	1%	2%	0%	C	0.098	F		3800	F	2011
From: S Carpenter Dr																
To: Rayon Drive																
(3605) S Rayon Dr	0.21	**3300**	**F**	98%	0%	1%	0%	1%	0%	C	0.097	F		3500	F	2011
From: W Edgemont Drive																
To: W Jackson Street																
(3605) W Jackson St	0.43	**4000**	**F**	98%	1%	0%	1%	1%	0%	C	0.095	F		4200	F	2011
From: S Rayon Drive																
To: S Willis Avenue																
(3605) S Durrant Rd	0.45	**10000**	**F**	98%	0%	0%	0%	1%	0%	C	0.088	F		11000	F	2011
From: S Willis Avenue																
To: I-64																
North (3605) Ramp	0.04	**1200**	**F**								0.096	F		1200	F	2011
From: 107-3605 SR 154 I-64-E014A Ga																
To: SR 154-S000A SR 154- A FROM RT 1																
Beverly Avenue		**130**	**F**								0.105	F		130	F	2011
From: Cypress St																
To: Cedar St																
Cedar St		**320**	**F**								0.151	F		320	F	2011
From: Pocahontas Avenue																
To: Greenbrier Avenue																
Dollyann Dr		**550**	**F**								0.107	F		550	F	2011
From: E Madison Street																
To: S Pond Avenue																
E Chestnut St		**6800**	**G**								NA			6800	G	2011
From: CSX Railroad																
To: S Highland Ave																
E Chestnut St		**1200**	**G**								NA			1200	G	2011
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		**130**	**F**								0.179	F		130	F	2011
	To:						S Carlton Drive									
	From:						S Powhatan Avenue									
E Gordon St		**180**	**F**								0.114	F		180	F	2011
	To:						Smith Avenue									
	From:						S Mound Avenue									
E Gray St		**200**	**F**								0.136	F		200	F	2011
	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**								NA			220	G	2011
	To:						Hazel St									
	From:						SR 18 S Carpenter Dr									
E Mallow St		**1300**	**G**								NA			1300	G	2011
	To:						E Hamilton Dr									
	From:						S Greenway Drive									
E Michigan St		**230**	**F**								0.16	F		230	F	2011
	To:						Woodfield Dr									
	From:						S Carlton Drive									
E Scotland Rd		**70**	**F**								0.143	F		70	F	2011
	To:						E Fairlawn Drive									
	From:						Carpenter Drive									
E Trout St		**1800**	**F**								0.106	F		1800	F	2011
	To:						ECL Covington									
	From:						S Greenway Drive									
Forest Avenue		**100**	**F**								0.14	F		100	F	2011
	To:						Dead End									
	From:						E Larch St									
N Magazine Ave		**4400**	**G**								NA			4400	G	2011
	To:						N Mill Rd									
	From:						W Locust St									
N Maple Ave		**1200**	**G**								NA			1200	G	2011
	To:						W Main St									
	From:						W Locust Street									
N Marion St		**380**	**F**								0.11	F		380	F	2011
	To:						W Hawthorne Street									
	From:						E. Willow St.									
N Rockbridge Ave		**70**	**F**								0.287	F		70	F	2011
	To:						E. Cedar St.									
	From:						Cedar Street									
Pocahontas Avenue		**190**	**F**								0.133	F		190	F	2011
	To:						McAllister Street									
	From:						E Scotland Road									
S Carlton Dr		**160**	**F**								0.129	F		160	F	2011
	To:						E Fairlawn Drive									
	From:						E Michigan Street									
S Greenway Dr		**420**	**F**								0.104	F		420	F	2011
	To:						E Pennsylvania Street									
	From:						E Pine St									
S Highland Ave		**2000**	**G**								NA			2000	G	2011
	To:						E Oak St									
	From:						W Fudge St									
S Maple		**250**	**F**								0.117	F		250	F	2011
	To:						W Pine St									

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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																
W Hawthorne St		**760**	**F**								0.11	F		760	F	2011
From: N Maple Avenue																
To: N Court Avenue																
W Main St		**2100**	**G**								NA			2100	G	2011
From: N Maple Ave																
To: N Court Ave																
W Riverview Dr		**590**	**F**								0.106	F		590	F	2011
From: S Durant Road																
To: S Conrad Avenue																
Woodlawn Avenue		**30**	**F**								0.17	F		30	F	2011
From: E. Detroit Street																
To: E. Michigan Street																