2008
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
201

Town of Courtland

Information in this report is included in Report

87

(Southampton 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.

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Traffic Engineering Division
2008
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of Courtland

Route	Jurisdiction		Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW
Bus 35 58 Meherrin Rd	Town of Courtland (Maint: 87)	From: CL Courtland	0.14	**3700**	**N**	92%	1%	1%	1%	6%	0%	N	0.119	N	0.516	3800	N
		To: BUS US 58															
35 Main St	Town of Courtland (Maint: 87)	From: Bus US 58; Meherrin Rd	0.59	**5000**	**G**	73%	1%	1%	1%	24%	0%	F	0.084	F	0.524	5100	G
		To: NCL Courtland															
Bus 58 35 Meherrin Rd	Town of Courtland (Maint: 87)	From: WCL Courtland	0.14	**3700**	**N**	92%	1%	1%	1%	6%	0%	N	0.119	N	0.516	3800	N
		To: SR 35 Main St															
Bus 58 Main St	Town of Courtland (Maint: 87)	From: SR 35; Meherrin Rd	1.10	**6900**	**G**	92%	1%	1%	1%	6%	0%	C	0.097	F	0.582	7000	G
		To: ECL Courtland															

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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
Town of Courtland																
611 87 Rochelle St	0.18	**360**	From: Bus US 58 **R** To: 87-1509 Linden St								NA			NA		03/14/2006
611 87 Rochelle St	0.02	**330**	From: 87-1509 Linden St **R** To: 87-1522 Linden St								NA			NA		04/04/2006
611 87 Rochelle St	0.13	**710**	From: 87-1522 Linden St **R** To: 87-1506 Robertson St								NA			NA		04/04/2006
611 87 Rochelle St	0.10	**690**	From: 87-1506 Robertson St **R** To: ECL Courtland								NA			NA		04/04/2006
646 87 Bride St	0.48	**990**	From: BUS US 58 **G** To: ECL Courtland	90%	2%	1%	0%	6%	0%	F	0.138	F	0.570	1000	G	2008
1501 87 Bruce St	0.09	**300**	From: SR 35 Main St **R** To: 87-1503 High St								NA			NA		03/21/2006
1501 87	0.09	**70**	From: 87-1503 High St **R** To: 87-1504 Bateman St								NA			NA		03/21/2006
1502 87 Florence St	0.09	**110**	From: SR 35 Main St **R** To: 87-1503 High St								NA			NA		03/21/2006
1502 87 Florence St	0.09	**130**	From: 87-1503 High St **R** To: 87-1504 Bateman St								NA			NA		03/21/2006
1502 87 Florence St	0.09	**90**	From: 87-1504 Bateman St **R** To: 87-1505 Aurora St								NA			NA		03/21/2006
1503 87 High St	0.20	**120**	From: 87-646 Bride St **R** To: 87-1508 Gyndon St								NA			NA		03/21/2006
1503 87 High St	0.05	**100**	From: 87-1508 Gyndon St **R** To: 87-1514 Menolea Lane								NA			NA		03/21/2006
1503 87 High St	0.05	**30**	From: 87-1514 Menolea Lane **R** To: 87-1502 Florence St								NA			NA		03/21/2006
1503 87 High St	0.10	**46**	From: 87-1502 Florence St **R** To: 87-1501 Bruce St								NA			NA		03/21/2006
1503 87 High St	0.20	**210**	From: 87-1501 Bruce St **R** To: 87-1529 Woodlake Park Circle								NA			NA		03/21/2006
1504 87 Bateman St	0.10	**30**	From: 87-1508 Gyndon St **R** To: 87-1502 Florence St								NA			NA		03/21/2006
1504 87 Bateman St	0.10	**100**	From: 87-1502 Florence St **R** To: 87-1501								NA			NA		03/21/2006
1505 87 Aurora St	0.14	**160**	From: 87-646 Bride St **R** To: 87-1508 Gyndon St								NA			NA		03/21/2006
1505 87 Aurora St	0.10	**100**	From: 87-1508 Gyndon St **R** To: 87-1502 Florence St								NA			NA		03/21/2006
1506 87 Robertson St	0.12	**46**	From: 87-1507 Anderson Dr **R** To: 87-611 Rochelle St								NA			NA		03/21/2006
1507 87 Anderson Dr	0.08	**80**	From: 87-1522 Linden St **R** To: 87-1506 Robertson St								NA			NA		03/21/2006
1507 87 Anderson Dr	0.03	**10**	From: 87-1506 Robertson St **R** To: Dead End								NA			NA		03/21/2006

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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
Town of Courtland																
1508 87 Gyndon St	0.08	**110**	**R**								NA			NA		03/21/2006
From: SR 35 Main St To: 87-1503 High St																
1508 87 Gyndon St	0.09	**90**	**R**								NA			NA		03/21/2006
From: 87-1503 High St To: 87-1504 Bateman St																
1508 87 Gyndon St	0.09	**47**	**R**								NA			NA		03/21/2006
From: 87-1504 Bateman St To: 87-1505 Aurora St																
1509 87 Linden St	0.09	**280**	**R**								NA			NA		03/21/2006
From: 87-611 Rochelle St To: 87-1510 Court St																
1509 87 Linden St	0.10	**210**	**R**								NA			NA		03/21/2006
From: 87-1510 Court St To: 87-1515 Colonial St																
1509 87 Linden St	0.10	**200**	**R**								NA			NA		03/21/2006
From: 87-1515 Colonial St To: 87-646 Bride St																
1510 87 Court St	0.20	**160**	**R**								NA			NA		03/21/2006
From: Bus US 58 To: 87-1509 Linden St																
1511 87 Alley St	0.11	**360**	**R**								NA			NA		03/21/2006
From: 87-646 Bride St To: Bus US 58																
1512 87 Pine St	0.06	**60**	**R**								NA			NA		03/21/2006
From: Dead End To: SR 35 Main St																
1513 87	0.08	**140**	**R**								NA			NA		03/16/2006
From: Dead End To: Bus US 58																
1514 87 Menolea Lane	0.08	**30**	**R**								NA			NA		03/16/2006
From: SR 35 Main St To: 87-1503 High St																
1515 87 Colonial St	0.07	**140**	**R**								NA			NA		03/16/2006
From: Dead End To: 87-1509 Linden St																
1516 87 Captain John Rd	0.08	**110**	**R**								NA			NA		03/16/2006
From: 87-1526 Hanging Tree Rd To: 87-1517 Cross Keys																
1516 87 Captain John Rd	0.24	**220**	**R**								NA			NA		03/16/2006
From: 87-1517 Cross Keys To: Bus US 58																
1517 87 Cross Keys	0.10	**30**	**R**								NA			NA		03/16/2006
From: 87-1518 Shands Dr To: 87-1516 Captain John Rd																
1517 87 Cross Keys	0.05	**30**	**R**								NA			NA		03/16/2006
From: 87-1516 Captain John Rd To: Dead End																
1518 87 Shands Dr	0.14	**90**	**R**								NA			NA		03/16/2006
From: Dead End To: 87-1521 Old Plank Rd																
1518 87 Shands Dr	0.22	**250**	**R**								NA			NA		03/16/2006
From: 87-1521 Old Plank Rd To: 87-1517 Cross Keys																
1518 87 Shands Dr	0.21	**330**	**R**								NA			NA		03/16/2006
From: 87-1517 Cross Keys To: 87-1520 Willis Rd																
1518 87 Shands Dr	0.17	**200**	**R**								NA			NA		03/16/2006
From: 87-1520 Willis Rd To: 87-1519 East Circle																
1518 87 Shands Dr	0.09	**540**	**R**								NA			NA		03/16/2006
From: 87-1519 East Circle To: Bus US 58																

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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							
Town of Courtland																
1519 87 East Circle	0.05	**40**	From: 87-1518 Shands Dr **R** To: Dead End								NA			NA		03/21/2006
1520 87 Willis Rd	0.14	**46**	From: 87-1518 Shands Dr **R** To: Dead End								NA			NA		03/21/2006
1521 87 Old Plank Rd	0.54	**1300**	From: 87-1526 Hanging Tree Rd **R** To: Bus US 58								NA			NA		03/16/2006
1522 87 Linden St	0.40	**850**	From: Bus US 58 **R** To: 87-611 Rochelle St								NA			NA		03/21/2006
1523 87 Mortland St	0.15	**100**	From: 87-1522 Linden St **R** To: Dead End								NA			NA		03/21/2006
1526 87 Hanging Tree Rd	0.22	**240**	From: SCL Courtland **R** To: 87-1521; Gap Terminus								NA			NA		12/19/2000
1526 87 Hanging Tree Rd	0.53	**160**	From: Dead End; Gap **R** To: Dead End								NA			NA		03/16/2006
1528 87	0.08	**60**	From: 87-1530 **R** To: 87-1522 Linden St								NA			NA		03/21/2006
1531 87 Oak Trail	0.18	**460**	From: Dead End **R** To: SR 35 Main St								NA			NA		03/21/2006
1535 87 Heritage Lane	0.10	**120**	From: 87-1522 Linden St **R** To: Dead End								NA			NA		03/21/2006
9954 87 Aurora St	0.11	**60**	From: 87-1505 Aurora St **R** To: Courtland Elem School								NA			NA		04/04/2006