

2011
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report

225

Town of Gordonsville

Information in this report is included in Report

68

(Orange 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

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
 2011
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of Gordonsville

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
15 33 Martinsburg Ave	From: SCL Gordonsville															
	Town of Gordonsville (Maint: 68)	1.12	8800	F	88%	1%	1%	1%	9%	0%	F	0.089	F	9000	F	
15 James Madison Hwy	From: SR 231 S, Gordonsville Circle															
	Town of Gordonsville (Maint: 68)	0.18	10000	N	92%	1%	1%	1%	5%	0%	N	0.085	N	11000	N	
33 Spotswood Trail	From: NCL Gordonsville															
	Town of Gordonsville (Maint: 68)	0.01	5300	N	93%	1%	1%	2%	3%	0%	N	0.101	N	5400	N	
33 231 Spotswood Trail	From: SR 231 Blue Ridge Tpke															
	Town of Gordonsville (Maint: 68)	0.15	6600	F	94%	1%	1%	1%	3%	0%	C	0.096	F	6800	F	
33 15 Martinsburg Ave	From: US 15 James Madison Hwy															
	Town of Gordonsville (Maint: 68)	1.12	8800	F	88%	1%	1%	1%	9%	0%	F	0.089	F	9000	F	
231 Gordon Ave	From: S SR 231															
	Town of Gordonsville (Maint: 68)	0.58	5300	N	94%	1%	1%	1%	3%	0%	N	0.085	N	5400	N	
231 33 Spotswood Trail	From: SCL Gordonsville															
	Town of Gordonsville (Maint: 68)	0.15	6600	F	94%	1%	1%	1%	3%	0%	C	0.096	F	6800	F	
231 Blue Ridge Tpke	From: US 15, US 33 Gordonsville Circle															
	Town of Gordonsville (Maint: 68)	0.02	980	F	96%	1%	2%	0%	1%	0%	C	0.105	F	1000	F	
	From: Blue Ridge Turnpike															
	Town of Gordonsville (Maint: 68)	0.02	980	F	96%	1%	2%	0%	1%	0%	C	0.105	F	1000	F	
	From: US 33 Spotswood Trail															
	Town of Gordonsville (Maint: 68)	0.02	980	F	96%	1%	2%	0%	1%	0%	C	0.105	F	1000	F	
	From: NCL Gordonsville															

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						2Axle	3+Axle	1Trail	2Trail							
Town of Gordonsville																
(643) 68 East St	0.32	680	F	97%	1%	1%	0%	0%	0%	C	0.102	F		690	F	2011
(691) 68 Old Louisa Rd	0.12	970	R								NA			NA		06/27/2011
(1000) 68 Church St	0.12	170	R								NA			NA		11/14/2011
(1001) 68 Commerce St	0.11	90	R								NA			NA		11/14/2011
(1002) 68 Linney St	0.24	160	R								NA			NA		06/27/2011
(1003) 68 Wright St	0.10	90	R								NA			NA		06/27/2011
(1003) 68 Wright St	0.13	210	R								NA			NA		06/27/2011
(1004) 68 West Baker St	0.09	170	R								NA			NA		06/27/2011
(1004) 68 West Baker St	0.24	500	R								NA			NA		06/27/2011
(1004) 68 West Baker St	0.09	470	R								NA			NA		06/27/2011
(1004) 68 East Baker St	0.07	1300	R								NA			NA		05/14/2009
(1004) 68 East Baker St	0.41	750	R								NA			NA		05/14/2009
(1005) 68 Cadmus Dr	0.34	120	R								NA			NA		06/22/2011
(1006) 68 High St	0.60	3200	F	78%	2%	2%	4%	15%	0%	C	0.092	F		3300	F	2011
(1007) 68 Orange Ave	0.06	120	R								NA			NA		06/30/2011
(1007) 68 Mayhugh Ave	0.10	210	R								NA			NA		06/30/2011
(1008) 68 West King St	0.16	300	R								NA			NA		06/27/2011
(1008) 68 East King St	0.24	150	R								NA			NA		06/27/2011
(1009) 68 Pendleton St	0.10	80	R								NA			NA		06/27/2011
(1010) 68 Weaver St	0.08	170	R								NA			NA		06/27/2011


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						2Axle	3+Axle	1Trail	2Trail							
Town of Gordonsville																
1011 68 Market St	0.18	590	R								NA		NA			06/27/2011
1012 68 Depot St	0.11	440	R								NA		NA			05/14/2009
1012 68 Depot St	0.10	750	F	98%	1%	1%	0%	0%	0%	C	0.1	F	770	F		2011
1012 68 Grove Ave	0.26	250	R								NA		NA			06/29/2011
1013 68 East Central St	0.08	490	F	98%	1%	1%	0%	0%	0%	C	0.113	F	490	F		2011
1014 68 Mill St	0.16	350	R								NA		NA			11/14/2011
1014 68 Mill St	0.04	490	F	98%	1%	1%	0%	0%	0%	C	0.103	F	500	F		2011
1015 68 South Main St	0.16	140	R								NA		NA			06/27/2011
1015 68 Pendleton St	0.22	1100	R								NA		NA			06/27/2011
1016 68 North Church St	0.11	60	R								NA		NA			06/27/2011
1016 68 North Church St	0.16	190	R								NA		NA			06/27/2011
1017 68 Stonewall Ave	0.23	370	R								NA		NA			06/27/2011
1018 68 Noble Avenue	0.07	100	R								NA		NA			06/27/2011
1018 68 Noble Ave	0.06	70	R								NA		NA			06/27/2011
1019 68 Holladay Ave	0.11	160	R								NA		NA			06/27/2011
1019 68 Holladay Ave	0.10	10	R								NA		NA			06/27/2011
1020 68 Piedmont St	0.10	30	R								NA		NA			10/27/2011
1021 68 South Faulconer St	0.09	270	R								NA		NA			06/27/2011
1021 68 South Faulconer St	0.09	120	R								NA		NA			06/29/2011
1021 68 North Faulconer St	0.21	170	R								NA		NA			06/27/2011
1022 68 Cobb St	0.20	240	R								NA		NA			06/27/2011

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						2Axle	3+Axle	1Trail	2Trail							
Town of Gordonsville																
1023 68 Allen St	0.17	60	R			From: 68-1002 Linney St					NA			NA		06/27/2011
						To: 68-1008, East King St										
1024 68 Charles St	0.10	260	R			From: Dead End					NA			NA		06/27/2011
1024 68 Charles St	0.07	240	R			From: 68-1012 Depot St					NA			NA		06/27/2011
1024 68 Charles St	0.27	190	R			From: 68-1014 Mill St					NA			NA		06/27/2011
						To: ECL Gordonsville										
1025 68 Cleveland St	0.10	880	R			From: SR 231 Gordon Ave					NA			NA		06/27/2011
						To: NCL Gordonsville										
1026 68 Cobb St	0.11	250	R			From: 68-1014 Mill St					NA			NA		06/27/2011
						To: End State Maintenance										
1028 68 Paynor Ave	0.09	210	R			From: 68-1012 Grove Ave					NA			NA		06/29/2011
						To: Dead End										
1029 68 Martinsville Ave	0.21	150	R			From: 68-1012 Grove Ave					NA			NA		06/29/2011
						To: Dead End										
1030 68 Gentry Dr	0.24	220	R			From: 68-1004, East Baker St					NA			NA		06/22/2011
1030 68 Gentry Dr	0.04	1000	R			From: 68-1005 Cadmus Dr					NA			NA		06/22/2011
						To: US 15 James Madison Hwy										
1031 68 Gentry Dr	0.04	49	R			From: Dead End					NA			NA		06/22/2011
						To: 68-1030 Gentry Dr										
1032 68 Cadmus Circle	0.08	40	R			From: 68-1030 Gentry Dr					NA			NA		06/22/2011
						To: 68-1005 Cadmus Dr										
1033 68 Partlow Dr	0.14	40	R			From: 68-1030 Gentry Dr					NA			NA		06/22/2011
						To: 68-1005 Cadmus Dr										
1034 68 Taylor Ave	0.23	600	R			From: Dead End					NA			NA		06/29/2011
						To: 68-1006 High St										
1035 68 Jackson St	0.11	140	R			From: WCL Gordonsville					NA			NA		06/29/2011
1035 68 Jackson St	0.05	300	R			From: 68-1036 Lee Lane					NA			NA		06/29/2011
						To: 68-1017 Stonewall Ave										
1036 68 Lee Lane	0.04	190	R			From: WCL Gordonsville					NA			NA		06/29/2011
						To: 68-1035 Jackson St										
1037 68 Holladay Ave	0.10	230	R			From: SCL Louisa					NA			NA		06/29/2011
1037 68 Holladay Ave	0.08	150	R			From: 68-1019 Holladay Ave					NA			NA		06/27/2011
						To: 68-1017 Stonewall Ave										
1038 68 Duke St	0.13	140	R			From: Dead End					NA			NA		11/02/2011
						To: 68-1004, West Baker St										

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						2Axle	3+Axle	1Trail	2Trail							
Town of Gordonsville																
 Gordonsville Elem Sch	0.08	330	R	From: 68-1004, West Baker St				NA						NA		10/11/2011
				To: 68-1006 High St												