

**2004**

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

where available

**Special Locality Report**

**227**

Town of Gretna

Prepared By

**Virginia Department of Transportation  
Mobility Management Division**

In Cooperation With

**U.S. Department of Transportation  
Federal Highway Administration**

Virginia Department of Transportation  
Mobility Management 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 at VDOT Mobility Management's 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’s Mobility Management 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 Peak Hour 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 Peak Hour 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



Secondary Route

## Special Routes



Bus - Business Route

Bypas - Bypass Route

Truck - Truck Route



ALT - Alternate Route

Wve - 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 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  
 Mobility Management Division  
 2004  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Gretna

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
Bus 29	From: SCL Gretna Town of Gretna (Maint: 71)	0.13	3000	N	97%	0%	1%	0%	1%	0%	N	0.08	N	0.603	3100	N
Bus 29	From: SR 40 Gretna Town of Gretna (Maint: 71)	0.88	6300	G	97%	0%	1%	0%	1%	0%	C	0.102	F	0.509	6400	G
40	From: WCL Gretna Town of Gretna (Maint: 71)	0.98	4700	N	90%	1%	3%	1%	6%	0%	N	NA		4600	N	
40	From: Bus US 29 Town of Gretna (Maint: 71)	0.43	3500	G	90%	1%	3%	1%	6%	0%	F	0.085	F	0.522	3600	G
	To: ECL Gretna															

Virginia Department of Transportation  
 Mobility Management Division  
 2004  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Gretna

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Gretna</b>																
(760) Music Street South	0.24	440	G	99%	0%	From: Bus US 29				C	0.151	F	0.529	450	G	2004
(760) Music Street North	0.36	370	R			From: 71-1302								NA	NA	07/08/2003
						To: NCL Gretna										
(792) Northside Drive	0.21	1100	G	99%	0%	From: 71-1302				F	0.101	F	0.631	1200	G	2004
(792) Northside Drive	0.50	1300	G	99%	0%	From: 71-1312				C	0.100	F	0.515	1300	G	2004
						To: Bus US 29										
(792) Henry Street	0.34	1400	R			From: US 29 BUS; 71-1307								NA	NA	07/25/2000
(792) Henry Street	0.20	680	R			From: 71-1308								NA	NA	07/25/2000
						To: ECL Gretna										
(1301) School Street	0.17	360	R			From: 71-1305								NA	NA	06/23/2003
						To: Bus US 29										
(1302) Leftwich Street	0.58	1100	G	98%	0%	From: SR 40				C	0.092	F	0.564	1100	G	2004
(1302) Leftwich Street	0.33	1600	G	98%	0%	From: 71-1304				F	0.081	F	0.544	1600	G	2004
(1302) Leftwich Street	0.18	1900	R			From: 71-760								NA	NA	1996
						To: Bus US 29										
(1303) Coffey Street	0.05	1400	R			From: SR 40 WEST								NA	NA	09/30/2003
(1303) Coffey Street	0.07	1200	R			From: 71-1327								NA	NA	09/30/2003
(1303) Coffey Street	0.24	1100	R			From: 71-1322 WEST								NA	NA	09/30/2003
(1303) Coffey Street	0.28	1500	R			From: 71-1322 EAST								NA	NA	09/30/2003
(1303) Coffey Street	0.03	1500	R			From: 71-1321								NA	NA	09/30/2003
						To: SR 40 EAST										
(1304) Washington Street	0.09	90	R			From: 71-1319								NA	NA	09/30/2003
(1304) Washington Street	0.19	80	R			From: 71-792								NA	NA	09/30/2003
						To: 71-1302										
(1305) Franklin Boulevard Nort	0.17	1500	R			From: SR 40								NA	NA	06/10/2003
(1305) Franklin Boulevard Nort	0.07	1200	R			From: 71-1301								NA	NA	06/10/2003
(1305) Franklin Boulevard Nort	0.07	1100	R			From: 71-1326								NA	NA	06/10/2003
(1305) Franklin Boulevard Nort	0.01	1200	R			From: 71-1314								NA	NA	06/10/2003
(1305) Franklin Boulevard Nort	0.08	1100	R			From: 71-1319								NA	NA	06/10/2003
(1305) Franklin Boulevard Nort	0.24	850	R			From: 71-792								NA	NA	06/10/2003
						To: 71-1302										



Virginia Department of Transportation  
 Mobility Management Division  
 2004  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Gretna

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Gretna</b>																
1306 71 Bailey Street	0.16	80	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1302										
1307 71 Center Street	0.09	160	R			From: 71-1309						NA		NA		09/30/2003
						To: 71-1316										
1307 71 Center Street	0.10	1100	R			From: 71-1316						NA		NA		09/30/2003
						To: Bus US 29; 71-792										
1308 71 Virginia Street	0.13	590	R			From: SR 40						NA		NA		09/30/2003
						To: 71-1330										
1308 71 Virginia Street	0.17	580	R			From: 71-1330						NA		NA		09/30/2003
						To: 71-1310										
1308 71 Virginia Street	0.27	320	R			From: 71-1310						NA		NA		09/30/2003
						To: 71-792										
1308 71 Virginia Street	0.16	300	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1318										
1308 71 Virginia Street	0.07	130	R			From: 71-1318						NA		NA		09/30/2003
						To: NCL Gretna										
1309 71 Huffmond Street	0.06	160	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1307										
1309 71 Huffmond Street	0.20	150	R			From: 71-1307						NA		NA		09/30/2003
						To: 71-1302										
1310 71 Payne Street	0.17	270	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1308										
1310 71 Payne Street	0.56	260	R			From: 71-1308						NA		NA		09/30/2003
						To: 71-792; 71-1318										
1311 71 Harrison Street	0.20	260	R			From: SR 40						NA		NA		09/30/2003
						To: Dead End										
1312 71 Dalton Street	0.19	240	R			From: SR 40						NA		NA		09/30/2003
						To: 71-1319										
1312 71 Dalton Street	0.10	180	R			From: 71-1319						NA		NA		09/30/2003
						To: 71-792										
1312 71 Dalton Street	0.15	130	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1302										
1313 71 Steele Street	0.10	170	R			From: 71-1302						NA		NA		09/30/2003
						To: WCL Gretna										
1314 71 Watts Street Extension	0.12	510	R			From: 71-1305						NA		NA		09/30/2003
						To: 71-1317										
1315 71 Power Street	0.14	60	R			From: Bus US 29						NA		NA		09/30/2003
						To: 71-1321										
1316 71 S Shelton Drive	0.07	750	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1307										
1317 71 Watts Street Extension	0.06	940	R			From: 71-792						NA		NA		09/30/2003
						To: 71-1314										

Virginia Department of Transportation  
 Mobility Management Division  
 2004  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Gretna

Route	Length	AADT	QA	4Tire	Bus	Truck				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Gretna</b>																
(1317/71) Watts Street Extension	0.05	460	R			From: 71-1314					NA		NA			09/30/2003
						To: Dead End										
(1318/71) Payne Street Extension	0.22	100	R			From: 71-792; 71-1310					NA		NA			09/30/2003
						To: 71-1308										
(1319/71) West Watts Street	0.23	200	R			From: 71-1312					NA		NA			09/30/2003
						To: 71-1305										
(1321/71) Church Street	0.02	250	R			From: 71-1303					NA		NA			06/10/2003
						To: 71-1315										
(1321/71) Church Street	0.08	220	R			From: Bus US 29					NA		NA			06/10/2003
						To: Bus US 29										
(1322/71) Harvey Street	0.23	120	R			From: 71-1303 WEST					NA		NA			09/30/2003
						To: 71-1303 EAST										
(1323/71) Fitzgerald Street	0.08	220	R			From: 71-1327					NA		NA			09/30/2003
						To: SR 40										
(1323/71) Toney Steet	0.13	260	R			From: 71-792					NA		NA			09/30/2003
						To: 71-792										
(1324/71) Northwest Drive	0.04	580	R			From: Bus US 29					NA		NA			09/30/2003
						To: WCL Gretna										
(1326/71) Creasy Street	0.12	280	R			From: 71-1305					NA		NA			06/17/2003
						To: Cul-de-Sac										
(1327/71) Industrial Drive	0.02	370	R			From: 71-1323					NA		NA			09/30/2003
						To: 71-1303										
(1330/71)	0.06	60	R			From: 71-1308					NA		NA			09/30/2003
						To: Dead End										
(9587/71) Gretna Jr High School	0.11	180	R			From: 71-1318; 71-1308					NA		NA			09/30/2003
						To: Gretna Jr High Sch										