

**2005**

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

where available

**Special Locality Report**

**324**

Town of Weber City

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 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

- North  
 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  
 Bus - Business Route
-  Bypass - Bypass Route
-  Truck - Truck Route
- ALT  
 ALT - Alternate Route
- Wve  
 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  
 2005  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Weber City

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
	From: SCL Weber City															
23	Town of Weber City (Maint: 84)	0.51	22000	G	93%	0%	1%	1%	6%	0%	F	0.085	F	0.552	22000	G
	To: 84-614 N															
	From: 84-614 N															
23	Town of Weber City (Maint: 84)	0.77	23000	G	93%	0%	1%	1%	6%	0%	F	0.086	F	0.538	23000	G
	To: 84-808															
	From: 84-808															
23	Town of Weber City (Maint: 84)	0.70	23000	G	93%	0%	1%	1%	6%	0%	F	0.084	F	0.539	23000	G
	To: US 58, US 421; NCL Weber City															
	From: US 23; NCL Weber City															
58 421	Hilton Rd	Town of Weber City (Maint: 84)	0.30	11000	G	98%	1%	1%	0%	1%	F	0.084	F	0.515	12000	G
	To: ECL Weber City															
	From: US 23, US 58															
421 58	Hilton Rd	Town of Weber City (Maint: 84)	0.30	11000	G	98%	1%	1%	0%	1%	F	0.084	F	0.515	12000	G
	To: CL Weber City															

Virginia Department of Transportation  
 Traffic Engineering Division  
 2005  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Weber City

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Weber City</b>																
614 <sub>84</sub>	0.07	4500	G	97%	0%	From: WCL Weber City				F	0.091	F	0.568	5000	G	2005
614 <sub>84</sub>	0.18	4600	G	97%	0%	From: 84-739				C	0.096	F	0.612	5000	G	2005
614 <sub>84</sub>	0.13	220	R			From: US 23 North										
						To: US 23 SOUTH								NA		02/03/2004
730 <sub>84</sub>	0.19	300	R			From: 94-1112								NA		02/10/2004
730 <sub>84</sub>	0.41	260	R			From: 84-1127								NA		02/10/2004
						To: 84-735										
731 <sub>84</sub>	0.15	220	R			From: WCL Weber City								NA		02/10/2004
731 <sub>84</sub>	0.40	270	R			From: 0.15 ME of WCL								NA		02/10/2004
						To: 84-1114										
735 <sub>84</sub>	0.25	360	R			From: Dead End								NA		02/10/2004
735 <sub>84</sub>	0.14	200	R			From: US 23								NA		02/10/2004
						To: 84-1111										
736 <sub>84</sub>	0.13	170	R			From: 0.13 MS 84-735								NA		02/10/2004
736 <sub>84</sub>	0.06	40	R			From: 84-735								NA		02/10/2004
						To: Dead End										
737 <sub>84</sub>	0.04	40	R			From: 84-735								NA		02/10/2004
						To: Dead End										
738 <sub>84</sub>	0.19	370	R			From: 84-614								NA		02/10/2004
						To: 84-739										
739 <sub>84</sub>	0.39	80	R			From: 84-614								NA		02/10/2004
						To: Dead End										
740 <sub>84</sub>	0.07	120	R			From: 84-739								NA		02/10/2004
						To: 84-738										
744 <sub>84</sub>	0.66	820	R			From: US 23 SOUTH								NA		02/10/2004
						To: US 23 NORTH										
745 <sub>84</sub>	0.10	190	R			From: US 23								NA		02/10/2004
						To: 84-1116										
807 <sub>84</sub>	0.10	130	R			From: 84-808								NA		1992
						To: 84-744										
808 <sub>84</sub>	0.08	220	R			From: 84-807								NA		1992
						To: US 23										
1101 <sub>84</sub>	0.06	120	R			From: 84-1102								NA		1992
						To: SR 23										



Virginia Department of Transportation  
 Traffic Engineering Division  
 2005  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Weber City

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Weber City</b>																
1102 84	0.12	90	R			From: 84-1103					NA			NA		1992
						To: Dead End										
1103 84	0.07	100	R			From: 84-1104					NA			NA		1992
						To: 84-1102										
1104 84	0.04	60	R			From: Dead End					NA			NA		1992
						To: 84-1103										
1105 84	0.03	50	R			From: Dead End					NA			NA		1992
						To: 84-1103										
1106 84	0.17	2900	R			From: US 23 SOUTH					NA			NA		1992
						To: 84-1120										
1106 84	0.66	200	R			From: 84-1120					NA			NA		1992
						To: US 23 NORTH										
1111 84	0.17	260	R			From: 84-744					NA			NA		1992
						To: Dead End										
1112 84	0.11	100	R			From: SR 23					NA			NA		1992
						To: 84-1113										
1113 84	0.06	80	R			From: 84-1115					NA			NA		1992
						To: 84-1112										
1114 84	0.24	630	R			From: SR 23					NA			NA		1992
						To: 84-1112										
1115 84	0.09	350	R			From: 84-1114					NA			NA		1992
						To: NCL Weber City										
1116 84	0.13	110	R			From: Dead End					NA			NA		1992
						To: 84-745										
1117 84	0.14	200	R			From: 84-744					NA			NA		1992
						To: Dead End										
1118 84	0.10	180	R			From: 84-744					NA			NA		1992
						To: Dead End										
1119 84	0.17	46	R			From: 84-1106 SOUTH					NA			NA		1996
						To: 0.17 MN 84-1106										
1119 84	0.11	60	R			From: 84-1106 NORTH					NA			NA		1996
						To: 84-1106 NORTH										
1120 84	0.14	340	R			From: US 23					NA			NA		1992
						To: 84-1106										
1121 84	0.11	200	R			From: US 23					NA			NA		1992
						To: ECL Weber City										
1124 84	0.10	40	R			From: Dead End					NA			NA		1992
						To: US 23										

Virginia Department of Transportation  
 Traffic Engineering Division  
 2005  
 Annual Average Daily Traffic Volume Estimates By Section of Route  
 Town of Weber City

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
						2Axle	3+Axle	1Trail	2Trail							
<b>Town of Weber City</b>																
① 1125 84	0.03	20	R			From: Dead End					NA			NA		07/10/2000
						To: 84-739										
① 1126 84	0.50	130	R			From: Dead End					NA			NA	07/10/2000	
						To: 84-744										
① 1127 84	0.02	NA				From: 84-730					NA			NA		
						To: US 23										
① 9762 84	0.06	210	R			From: 84-744					NA			NA	1986	
						To: 84-744										