

2004

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

where available

Special Locality Report

158

Town of Tazewell

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 Tazewell

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
16 Bus 19 Bus 460 Main Street	Town of Tazewell	From: WCL Tazewell	0.20	3000	G	98%	0%	1%	0%	1%	0%	C	0.083	F	0.514	3000	G
16 Bus 19 Bus 460 Main Street	Town of Tazewell	To: ALT SR 16 Fairgrounds Rd	0.81	4000	F	98%	1%	1%	0%	1%	0%	C	0.087	F	0.572	4100	F
16 Bus 19 Bus 460 Fincastle Trpk	Town of Tazewell	From: Church Ave	0.44	5000	G	98%	1%	1%	0%	0%	0%	F	0.094	F	0.559	5100	G
16 Tazewell Ave	Town of Tazewell	To: N US 19; 460 BUS MAIN ST From: BUS US 19, BUS US 460, Main St	0.83	4200	F	98%	0%	1%	0%	1%	0%	C	0.092	F	0.505	4400	F
16 Tazewell Ave	Town of Tazewell (Maint: 92)	From: US 19, US 460	0.44	3200	G	98%	0%	1%	0%	1%	0%	C	0.089	F	0.555	3300	G
16 Riverside Dr	Town of Tazewell	To: SR 61 Riverside Dr From: Tazewell Ave	1.30	5400	G	98%	0%	1%	0%	1%	0%	F	0.087	F	0.622	5500	G
16 Riverside Dr	Town of Tazewell	From: ALT SR 16 Fairgrounds Rd	0.54	5400	F	97%	1%	1%	1%	1%	0%	C	0.091	F	0.602	5600	F
16 Fairgrounds Road	Town of Tazewell	To: NCL Tazewell	0.73	3000	F	98%	0%	1%	0%	1%	0%	C	0.101	F	0.567	3100	F
16 Fairgrounds Road	Town of Tazewell	From: US 19 Bus Main St	0.17	3400	G	98%	0%	1%	0%	1%	0%	F	0.087	F	0.536	3500	G
16 Fairgrounds Road	Town of Tazewell	To: US 19 Tazewell	0.43	3000	G	98%	0%	1%	0%	1%	0%	C	0.096	F	0.536	3000	G
16 Fairgrounds Road	Town of Tazewell	From: SCL Tazewell	0.28	3200	F	97%	0%	1%	1%	1%	0%	C	0.098	F	0.559	3300	F
19 460	Town of Tazewell (Maint: 92)	To: SR 61 From: WCL Tazewell	1.43	12000	N	94%	0%	1%	1%	3%	0%	N	0.078	N	0.535	13000	N
19 460	Town of Tazewell (Maint: 92)	To: ECL Tazewell From: SR 61	0.82	9100	G	94%	0%	1%	1%	3%	0%	F	0.078	F	0.575	9500	G
19 Bus 460 16 Main Street	Town of Tazewell	From: WCL Tazewell	0.20	3000	G	98%	0%	1%	0%	1%	0%	C	0.083	F	0.514	3000	G
19 Bus 460 16 Main Street	Town of Tazewell	To: Church Ave From: ALT SR 16 Fairgrounds Rd	0.81	4000	F	98%	1%	1%	0%	1%	0%	C	0.087	F	0.572	4100	F
19 Bus 460 16 Fincastle Trpk	Town of Tazewell	To: Tazewell Ave From: Church Ave	0.44	5000	G	98%	1%	1%	0%	0%	0%	F	0.094	F	0.559	5100	G

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							2Axle	3+Axle	1Trail	2Trail							
Bus 19 Bus 460 Fincastle Trpk	Town of Tazewell	From: Tazewell Ave To: SR 61 Ben Bolt Blvd	1.65	7500	F	98%	1%	1%	0%	0%	0%	C	0.094	F	0.536	7700	F
Bus 19 Bus 460 Fincastle Trpk	Town of Tazewell	From: SR 61 Ben Bolt Blvd To: ECL Tazewell	0.65	5600	G	98%	1%	1%	0%	0%	0%	F	0.089	F	0.576	5700	G
61	Town of Tazewell	From: SR 16 Tazewell Ave To: US 19, US 460	0.86	5100	G	97%	0%	1%	1%	1%	0%	C	0.089	F	0.584	5200	G
61	Town of Tazewell	From: US 19, US 460 To: ECL Tazewell	0.06	6600	G	98%	0%	1%	0%	1%	0%	F	0.086	N	0.566	6700	G
61	Town of Tazewell	From: ECL Tazewell To: NCL Tazewell	0.63	6600	G	98%	0%	1%	0%	1%	0%	F	0.086	F	0.566	6800	G
61	Town of Tazewell	From: NCL Tazewell To: US 19 BUS, US 460 BUS Fincastle Tpke	0.60	5900	F	98%	0%	1%	0%	1%	0%	C	0.107	F	0.545	6100	F
61	Town of Tazewell	From: US 19 BUS, US 460 BUS Fincastle Tpke To: SCL Tazewell	0.48	4700	F	95%	1%	1%	2%	1%	0%	C	0.092	F	0.549	4900	F
460 19	Town of Tazewell (Maint: 92)	From: WCL Tazewell To: SR 61	1.43	12000	N	94%	0%	1%	1%	3%	0%	N	0.078	N	0.535	13000	N
460 19	Town of Tazewell (Maint: 92)	From: SR 61 To: ECL Tazewell	0.82	9100	G	94%	0%	1%	1%	3%	0%	F	0.078	F	0.575	9500	G
Bus 460 Bus 19 16 Main Street	Town of Tazewell	From: WCL Tazewell To: ALT SR 16 Fairgrounds Rd	0.20	3000	G	98%	0%	1%	0%	1%	0%	C	0.083	F	0.514	3000	G
Bus 460 Bus 19 16 Main Street	Town of Tazewell	From: ALT SR 16 Fairgrounds Rd To: Church Ave	0.81	4000	F	98%	1%	1%	0%	1%	0%	C	0.087	F	0.572	4100	F
Bus 460 Bus 19 16 Fincastle Trpk	Town of Tazewell	From: Church Ave To: Tazewell Ave	0.44	5000	G	98%	1%	1%	0%	0%	0%	F	0.094	F	0.559	5100	G
Bus 460 Bus 19 Fincastle Trpk	Town of Tazewell	From: Tazewell Ave To: SR 61 Ben Bolt Blvd	1.65	7500	F	98%	1%	1%	0%	0%	0%	C	0.094	F	0.536	7700	F
Bus 460 Bus 19 Fincastle Trpk	Town of Tazewell	From: SR 61 Ben Bolt Blvd To: ECL Tazewell	0.65	5600	G	98%	1%	1%	0%	0%	0%	F	0.089	F	0.576	5700	G

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						2Axle	3+Axle	1Trail	2Trail								
Town of Tazewell																	
①	0.12	NA				From:	SR 16 Tazewell Ave					NA			NA		
						To:	158-2 Carline Ave										
②	1.11	NA				From:	158-1					NA			NA		
						To:	C2US 19										
Ben Bolt Ave		2100	G			From:	US 19, Bus US460 Fincastle Tnpk				0.109	F		2200	G	2004	
						To:	ECL Tazewell										
Pisgah Rd		340	G			From:	WCL Tazewell				0.126	F		370	G	2004	
						To:	Alt SR 16 Fairgrounds Rd										