

2020

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

where available

Special Locality Report

130

Town of South Boston

Information in this report is included in Report

41

(Halifax County)

Prepared By

**Virginia Department of Transportation
Traffic Engineering Division**

In Cooperation With

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

The reported 2020 AADTs represent the best estimate of 2020 average daily traffic, however, this year's AADTs do vary from normal traffic in the years prior to 2020 due to COVID-19. The reported AADTs may not represent typical traffic for a given day or period within the year as the drastic seasonal variations were normalized through the factoring process. The 2020 publications are therefore colored to draw users attention to the fact that uses of the 2020 published estimates versus alternative data sources should be determined at users' discretion based on the objectives or nature of the analyses being performed.

The estimated 2020 DVMT for the entire state maintained network total to 208,000,000, which has trended down by 11 percent compared to the 2019 level of 234,000,000. For most traffic links across the state, the estimated 2020 AADTs are also seen to have decreased from their 2019 levels.

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 buses.

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
Bypass - 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
 2020
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of South Boston

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW
							2Axle	3+Axle	1Trail	2Trail						
34 Hodges St	From: North Main St															
	Town of South Boston	0.54	1700	G	98%	1%	1%	0%	0%	0%	C	0.108	F	0.505	1800	G
	To: US 360 John Randolph Blvd															
58 360 Bill Tuck Hwy	From: US 501 Huell Matthews Hwy															
	Town of South Boston (Maint: 41)	0.18	9500	G	84%	1%	1%	1%	13%	0%	F	0.083	F	0.557	9700	G
	To: ECL South Boston															
129 North Main St	From: US 501 P; Wilborn Ave; Main St															
	Town of South Boston	0.09	2900	G	99%	1%	1%	0%	0%	0%	F	0.093	F	0.819	3100	G
	To: US 501 Broad St															
129 North Main St	From: SR 34 Hodges St															
	Town of South Boston	0.38	4400	G	99%	1%	1%	0%	0%	0%	C	0.098	F	0.591	4700	G
	To: Edmunds St															
129 North Main St	From: College St															
	Town of South Boston	0.16	5500	G	99%	1%	1%	0%	0%	0%	F	0.092	F	0.548	5800	G
	To: Hamilton Blvd															
129 North Main St	From: NCL South Boston															
	Town of South Boston	0.19	6000	G	99%	1%	0%	0%	0%	0%	F	0.091	F	0.502	6400	G
	To: US 501 P; Main St															
129 North Main St	From: US 501 Broad St															
	Town of South Boston	0.63	5600	G	99%	1%	0%	0%	0%	0%	F	0.094	F	0.547	5900	G
	To: NCL South Boston															
129 North Main St	From: US 501 P; Main St															
	Town of South Boston	0.93	10000	G	99%	1%	0%	0%	0%	0%	C	0.093	F	0.502	11000	G
	To: US 501 Broad St															
304 Seymour Dr	From: Marshall St															
	Town of South Boston		2400	G	94%	3%	2%	1%	1%	0%	F	0.100	F	0.540	2600	G
	To: US 360 John Randolph Blvd															
304 Seymour Dr	From: US 501 Broad St															
	Town of South Boston		2700	G	94%	3%	2%	1%	1%	0%	C	0.1	F	0.524	2900	G
	To: Marshall St															
304 Seymour Dr	From: US 360 John Randolph Blvd															
	Town of South Boston		2400	G	94%	3%	2%	1%	1%	0%	F	0.105	F	0.568	2500	G
	To: US 501 Riverdale															
360 58 Bill Tuck Hwy	From: CL South Boston															
	Town of South Boston (Maint: 41)	0.18	9500	G	84%	1%	1%	1%	13%	0%	F	0.083	F	0.557	9700	G
	To: SCL South Boston															
360 John Randolph Blvd	From: SR 304 Seymour Dr															
	Town of South Boston (Maint: 41)	0.16	9600	G	90%	0%	1%	1%	8%	0%	F	0.088	F	0.507	9500	G
	To: SR 34 Hodges St															
360 John Randolph Blvd	From: SR 34 Hodges St															
	Town of South Boston	0.52	9200	G	90%	0%	1%	1%	8%	0%	F	0.089	F	0.520	9000	G
	To: Hamilton Blvd															
360 John Randolph Blvd	From: Hamilton Blvd															
	Town of South Boston (Maint: 41)	0.44	10000	G	90%	0%	1%	1%	8%	0%	F	0.085	F	0.508	10000	G
	To: ECL South Boston															
360 John Randolph Blvd	From: ECL South Boston															
	Town of South Boston (Maint: 41)	0.09	9600	G	90%	0%	1%	1%	8%	0%	F	0.098	F	0.677	9400	G

Virginia Department of Transportation
 Traffic Engineering Division
 2020
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of South Boston

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
501 Main St	From	US 58, US 360; SCL South Boston															
	Town of South Boston	0.53	16000	G	97%	0%	1%	0%	1%	0%	C	0.093	F	0.516	17000	G	
501 Broad St	To	US 501 P; Broad St															
	Town of South Boston	0.09	8100	G	97%	1%	1%	0%	2%	0%	F	0.101	F	0.510	8600	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	F	0.093	F	0.697	15000	G
501 Broad St	To	SR 304 Seymour Dr															
	Town of South Boston	0.22	7100	G	97%	1%	1%	0%	2%	0%	C	0.100	F		7600	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	C	0.094	F	0.544	15000	G
501 Broad St	To	SR 129 North Main St															
	Town of South Boston	0.26	5300	G	97%	1%	1%	0%	2%	0%	F	0.098	F		5600	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		12000	G	97%	1%	1%	0%	2%	0%	F	0.091	F	0.545	12000	G
501 Broad Street	To	Third St															
	Town of South Boston	0.18	5200	G	96%	1%	1%	0%	2%	0%	C	0.1	F		5500	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	F	0.091	F	0.550	15000	G
501 Broad Street	To	Edmunds St															
	Town of South Boston	0.41	5200	G	96%	1%	1%	0%	2%	0%	F	0.098	F		5500	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	F	0.091	F	0.547	15000	G
501 Wilborn Ave	To	US 501 P; Wilborn Ave															
	Town of South Boston	0.51	14000	G	96%	1%	1%	0%	2%	0%	F	0.093	F	0.502	15000	G	
501 Halifax Rd	To	Hamilton Blvd															
	Town of South Boston	0.69	14000	G	96%	1%	1%	0%	2%	0%	F	0.088	F	0.517	15000	G	
501 Halifax Rd	To	Old NCL South Boston															
	Town of South Boston	0.79	15000	G	96%	1%	1%	0%	2%	0%	F	0.089	F	0.547	16000	G	
501 Halifax Rd	To	SR 129 N, Old Halifax Rd															
	Town of South Boston	0.38	18000	G	96%	1%	1%	0%	2%	0%	F	0.087	F	0.557	19000	G	
501 Main St	To	NCL South Boston															
	Town of South Boston	0.07	6300	G	97%	0%	1%	0%	2%	0%	F	0.089	F		6600	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	F	0.093	F	0.697	15000	G
501 Main St	To	SR 304 Seymour Dr															
	Town of South Boston	0.18	6900	G	97%	0%	1%	0%	2%	0%	C	0.086	F		7300	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		14000	G	97%	1%	1%	0%	2%	0%	C	0.094	F	0.544	15000	G
501 Wilborne Ave	To	SR 129 North Main St															
	Town of South Boston	0.26	6300	G	97%	0%	1%	0%	2%	0%	F	0.09	F	0.888	6700	G	
		Combined Traffic Estimates for 2 Parallel Roadways on this Route:		12000	G	97%	1%	1%	0%	2%	0%	F	0.091	F	0.545	12000	G
501 Main St	To	Third St															

Virginia Department of Transportation
 Traffic Engineering Division
 2020
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of South Boston

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	
							2Axle	3+Axle	1Trail	2Trail							
	From:	Third St															
 Wilborne Ave	Town of South Boston	0.57	9200	G	97%	0%	1%	0%	2%	0%	F	0.085	F	0.807	9800	G	
Combined Traffic Estimates for 2 Parallel Roadways on this Route:			14000	G	97%	1%	1%	0%	2%	0%	F	0.085	F	0.519	15000	G	
	To:	US 501 Broad Street															

Virginia Department of Transportation
Traffic Engineering Division
2020
Annual Average Daily Traffic Volume Estimates By Section of Route
Town of South Boston

Route	Length	AADT	QA	4Tire	Bus	-----Truck----- 2Axle 3+Axle 1Trail 2Trail				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of South Boston																
① Railroad Ave	0.36	1000	G	98%	0%	Edmunds St				C	0.100	F	0.538	1100	G	2020
① Railroad Avenue	0.18	810	G	98%	1%	Summit Dr				C	0.098	F	0.602	860	G	2020
② Riley Ave		840	G	97%	1%	Seymour Dr				C	0.108	F	0.577	890	G	2020
③ Seymour Dr	0.11	1200	G	97%	0%	Ferry St				C	0.109	F	0.509	1200	G	2020
④ Vaughan St		940	G	97%	1%	Riley Ave				C	0.112	F	0.508	990	G	2020
⑤ Webster St	0.61	850	F	99%	0%	Wilborn Ave				C	0.105	F	0.586	890	F	2020
⑥ Third St	0.14	430	G	97%	1%	US 501; Broad St				C	0.125	F	0.660	460	G	2020
④700 Berry Hill Rd	1.13	1600	G	98%	0%	WCL South Boston				C	0.084	F	0.524	1700	G	2020
④700 Berry Hill Rd	0.20	2300	G	98%	0%	Wilmoth Ave				F	0.09	F	0.514	2400	G	2020
④700 Edmunds St	0.06	2400	G	98%	0%	Summit Dr				F	0.092	F	0.509	2500	G	2020
④700 Edmunds St	0.45	1400	G	96%	1%	Railroad Ave				C	0.088	F	0.527	1400	G	2020
④700 Edmunds St	0.54	1100	G	97%	1%	US 501; Wilborn Ave				C	0.109	F	0.587	1200	G	2020
④701 Marshall Ave	0.15	540	F	98%	1%	SR 129; North Main St				C	0.109	F	0.603	570	F	2020
④701 Marshall Ave	0.41	700	F	97%	0%	Seymour Dr				C	0.112	F		740	F	2020
④702 Hamilton Blvd	0.37	2700	G	99%	0%	Fenton St				C	0.098	F	0.598	2800	G	2020
④702 Hamilton Blvd	0.70	4800	G	94%	1%	SCL South Boston				C	0.095	F	0.637	5100	G	2020
④702 Hamilton Blvd	1.26	6800	G	95%	1%	Wilborn Ave				C	0.107	F	0.573	7200	G	2020
④704 College St	0.80	980	G	99%	1%	SR 129 North Main St				C	0.105	F	0.53	1000	G	2020
④710 Jeffress St	0.20	590	F	98%	0%	US 360 John Randolph Blvd				C	0.137	F	0.558	620	F	2020
④710 Fenton St	0.19	390	F	98%	1%	North Main St				C	0.112	F	0.661	410	F	2020
④713 Watkins Ave	0.61	1700	F	98%	0%	Jeffress St				C	0.099	F	0.511	1800	F	2020

Virginia Department of Transportation
 Traffic Engineering Division
 2020
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Town of South Boston

Route	Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	K Factor	QK	Dir Factor	AAWDT	QW	Year	
						2Axle	3+Axle	1Trail	2Trail								
Town of South Boston																	
Carrington St		NA					From Watkins Ave				NA			NA			
							To Noblin Ave										
College St		550	G				From Llewellyn Avenue				0.086	F	0.609	550	G	2020	
							To Washington Avenue										
Greenway Dr		350	G				From Wilborn Ave				0.109	F	0.738	350	G	2020	
							To Norwood Ave										
Ridge St		270	G				From Spring Avenue				0.127	F	0.54	270	G	2020	
							To Alderson Avenue										
Robin Hood Rd		420	G				From Halifax Rd				0.107	F	0.638	420	G	2020	
							To Nottingham Dr										