### 2012

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

where available

# Special Locality Report 128

City of Roanoke

Information in this report is included in Report

80

(Roanoke 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

North 81	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
29	US Route	
7	Virginia State Rou	te
(F241)	Frontage Road (F	precedes frontage route number)
(600)	Secondary Route	

### **Special Routes**

Bus	Bus - Business Route	
{29}	Bypas - Bypass Route	
	Truck - Truck Route	
ALT	ALT - Alternate Route	
(220)	Wye - 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 Maintainenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

		City of Roan	ioke												
							Tru	ıck			K		Dir		
Route	Jurisdiction	Length AADT	QA	4Tire	Bus	2Axle	3+Axle	1Trail	2Trail	QC	Factor	QK	Factor	AAWDT	QW
	From:	ECL Salen	,			1	017040		211011		1 40101		1 40101		
11 Brandon Ave	City of Roanoke	1.35 <b>18000</b>	F	98%	0%	1%	0%	0%	0%	F	0.099	F	0.598	20000	F
TT Brandon Ave	Oity of Roalione			3070	070	1 70	070	070	070	'	0.000	'	0.000	20000	'
~~	To: From:	Edgewood St; Mud													
(11) Brandon Ave	City of Roanoke	1.03 <b>12000</b>	F	98%	0%	1%	0%	0%	0%	F	0.087	F	0.528	13000	F
<u> </u>	To:	Grandin Ro													
~~~ - · · · · · · · · · · · · · · · · ·	From:	Brandon Av													_
(11) Grandin Rd	City of Roanoke	0.70 <b>7200</b>	F	98%	0%	1%	0%	0%	0%	F	0.094	F	0.584	8000	F
<u> </u>	To:	Memorial Ave													
~~	Prom:	Grandin Ro								_					
(11) Memorial Avenue	City of Roanoke	0.84 <b>12000</b>	Α	98%	0%	1%	0%	0%	0%	С	0.114	Α	0.623	13000	Α
<u> </u>	To:	Campbell Av	ve												
~~~	Prom:	13th St		2001	201	40/	00/	001	00/	_	0.404	_	0.500	4000	_
(11) Campbell Ave	City of Roanoke	0.53 <b>4400</b>	F	98%	0%	1%	0%	0%	0%	F	0.101	F	0.582	4900	F
	To: Econol	7th St				<u> </u>									
(11) Campbell Ave	City of Roanoke	0.47 <b>4900</b>	F	98%	0%	1%	0%	0%	0%	F	0.089	F	0.508	5500	F
	,														
~~~	From:	3rd St													
(11) Campbell Ave	City of Roanoke	0.28 <b>6400</b>	F	98%	0%	1%	0%	0%	0%	F	0.081	F	0.748	7100	F
<u> </u>	To:	US 221 Jefferso	on St												
11 Campbell Ave	City of Roanoke	0.16 <b>6400</b>	N	98%	0%	1%	0%	0%	0%	Ν	0.081	Ν	0.748	7100	Ν
	To:	Williamson I	Rd												
	From:	Campbell A													
11 (221) (116) Williamson Rd	City of Roanoke	0.15 <b>22000</b>	F	98%	0%	1%	0%	0%	0%	F	0.088	F	0.514	24000	F
MACHE TO BE	From:	Shenandoah A		000/	00/	40/	00/	007	00/		0.000		0.707	47000	
(11) (221) (116) Williamson Rd	City of Roanoke	0.15 <b>15000</b>	F	98%	0%	1%	0%	0%	0%	F	0.098	F	0.707	17000	F
<del></del>	To: From:	I-581													
(11) (221) (116) Williamson Rd	City of Roanoke	0.50 <b>12000</b>	F	99%	0%	0%	0%	0%	0%	F	0.08	F	0.519	13000	F
11) (221) (110)	T-1														
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	From:	US 460 Orange		2221						_		_		.=	_
(11) Williamson Rd	City of Roanoke	0.92 <b>15000</b>	F	99%	0%	0%	0%	0%	0%	F	80.0	F	0.505	15000	F
<u> </u>	To:	Liberty Rd				$\neg$ $\vdash$									
11 Williamson Rd	City of Roanoke	0.51 16000	F	99%	0%	0%	0%	0%	0%	F	0.078	F	0.515	16000	F
	To: From:	10th St		0001	001		051	061	001	_	0.65.	_	0.5	10000	_
(11) Williamson Rd	City of Roanoke	1.27 <b>18000</b>	F	99%	0%	0%	0%	0%	0%	F	0.084	F	0.511	18000	F
<u>~</u>	To: From:	SR 101 Hershber	ger Rd			$\neg$ $\vdash$									
11 Williamson Rd	City of Roanoke	0.11 <b>17000</b>	F	99%	0%	0%	0%	0%	0%	F	0.089	F	0.513	17000	F
										-		-			-
~~	To: From:	SR 118 Airpor													
(11) Williamson Rd	City of Roanoke	0.39 <b>16000</b>	F	99%	0%	0%	0%	0%	0%	F	0.088	F	0.507	16000	F
<u> </u>	Tor	NCL Roanol	ke												
North	From:	US 11 Williams	on Rd												
11 Ramp	City of Roanoke (Maint: 80)	0.13 <b>4000</b>	F								0.163	F		4000	F
	To:	I-581 North													
	I	1 551 11014													

### Virginia Department of Transportation Traffic Engineering Division

### 2012 Annual Average Daily Traffic Volume Estimates By Section of Route City of Roanoke

								Tru	ıck			K		Dir		
Route	Jurisdiction	Length	AADT	QA	4Tire	Bus		3+Axle			QC	Factor	QK	Factor	AAWDT	QV
ALT ~~~	From:		ECL Salem													
11 460 Melrose Ave	City of Roanok	ke 0.65	16000	F	96%	1%	1%	1%	2%	0%	F	0.084	F	0.516	17000	F
ALT	To: From:	SR 117	7 Peters Cre	ek Rd												
11 \ 460 Melrose Ave	City of Roanok	ke 1.75	13000	F	96%	1%	1%	1%	2%	0%	F	0.085	F	0.508	14000	F
ALT	To: From:		24th St													
11) (460) (116) Melrose Ave	City of Roanok	ke 0.41	12000	F	96%	1%	1%	1%	2%	0%	F	0.085	F	0.506	13000	F
	To:		lem Turnpil	ke												
LT 11) (460) (116) Orange Ave	City of Roanok		14000	F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.52	15000	F
11 460 116 Orange Ave	City of Roanok				90 /0	1 /0	1 /0	1 /0	2/0	0 /0	-	0.062		0.52	13000	'
LT ~~~	From:		ST, Gainsbo													
11 (460) (116) Orange Ave	City of Roanok	ke 0.90	18000	Α	96%	1%	1%	1%	2%	0%	С	0.093	Α	0.503	19000	/
LT ALT	To: From:	I-581, U	S 220, ALT	SR 220												
11) (460) (116) (220) Orange A	ve City of Roanok	ce 0.24	36000	F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.618	40000	F
	То:	US 11	1 Williamso	on Rd												
<b></b>	From:		116 Jefferso													
Elm Avenue	City of Roanok	ke 0.17	15000	F	97%	1%	1%	0%	1%	0%	F	0.08	F	0.61	16000	I
	To: From:		I-581			407										
Elm Avenue	City of Roanok	ke 0.25	25000	F	97%	1%	1%	0%	1%	0%	С	0.081	F	0.560	27000	F
Dullitt Aussus	To: From:		24 Par, 6th		000/	00/	40/	00/	40/	00/		0.405			40000	F
Bullitt Avenue	City of Roanok Combined Traffic Estimates for 2 Parallel I		12000	F F	98% 98%	0% 0%	1% 1%	0% 0%	1% 1%	0% 0%	C C	0.105 NA	F		12000 25000	r F
	To:		23000 24 P, 13th		90%	0%	176	0%	170	0%	C	INA			25000	Г
$\overline{}$	From:		13th St													
24) Jamison Ave	City of Roanok		<b>26000</b> Dale Ave	F	98%	0%	1%	0%	1%	0%	F	0.088	F	0.607	28000	F
	From:		amison Ave													_
Dale Ave	City of Roanok	re 0.69	24000	F	98%	0%	1%	0%	1%	0%	С	0.088	F	0.603	25000	F
<i></i>	То:	Е	CL Roanok	e												
	From:		ROM RT 5													
Ramp	City of Roanoke (Ma	· · · · · · · · · · · · · · · · · · ·	6700	F	DEEE							0.082	F		6700	F
	From	US 220 FROM			KEEI											_
24) Ramp	City of Roanoke (Ma		TO RT 581 13000	N&F								0.080	F		13000	F
	To:	I-581-N FROM			REET							2.300			. 3000	
	From:		6th St													
Jamison Ave	City of Roanok		12000	F	98%	0%	1%	0%	1%	0%	С	0.094	F		13000	F
	Combined Traffic Estimates for 2 Parallel I			F	98%	0%	1%	0%	1%	0%	С	NA			25000	F
	To:	SR 24 Jamis	on Ave; Bu	llitt Ave	nue											

7/1/2013 8

### Virginia Department of Transportation Traffic Engineering Division

### 2012 Annual Average Daily Traffic Volume Estimates By Section of Route City of Roanoke

1% 0		С	0.092 0.085	QK F F	Dir Factor 0.53 0.504	9600 28000	F F
0% 0°	0%	C F	0.092	F	0.53		
1% 0	0%	F	0.085	F	0.504		
1% 0	0%	F	0.085		0.504		F
						28000	F
						28000	
1% 0	0%	F	0.09	F	0.554		
1% 0'	0%	F	0.09	F	0.554		
						34000	F
			0.084	F		3500	F
			0.111	F		1200	F
			0.113	F		7100	F
1% 0	0%	С	0.111	F		6300	F
2% 0	0%	С	0.095	F	0.537	7200	F
2% 0	0%	F	0.102	F	0.615	4500	F
20/ 0	00/	C	0.006	_	0.547	9000	F
270 U	076	C	0.096	Г	0.347	0900	Г
1% 0	0%	С	0.097	F	0.521	15000	F
0% 0	0%	F	0.102	F	0.809	8300	F
00/ 0	00/	C	0.006	_	0.01	0400	F
U70 U	076	C	0.096	Г	0.61	9400	Г
	0%	F	0.096	F	0.715	8000	F
0% 0							
0% 0		_	0.440	_	0.700	4400	F
	00/			-	0.720	4400	г
	2% 1% 0%	2% 0% 1% 0% 0% 0% 0% 0%	2% 0% C  1% 0% C  0% 0% F  0% 0% C  0% 0% F	2% 0% C 0.096  1% 0% C 0.097  0% 0% F 0.102  0% 0% C 0.096  0% 0% F 0.096	2% 0% C 0.096 F 1% 0% C 0.097 F  0% 0% F 0.102 F  0% 0% C 0.096 F	2%       0%       C       0.096       F       0.547         1%       0%       C       0.097       F       0.521         0%       0%       F       0.102       F       0.809         0%       0%       C       0.096       F       0.81         0%       0%       F       0.096       F       0.715	2%       0%       C       0.096       F       0.547       8900         1%       0%       C       0.097       F       0.521       15000         0%       0%       F       0.102       F       0.809       8300         0%       0%       C       0.096       F       0.81       9400         0%       0%       F       0.096       F       0.715       8000

### Virginia Department of Transportation Traffic Engineering Division

### 2012 Annual Average Daily Traffic Volume Estimates By Section of Route City of Roanoke

_				_		Tru	ıck			K		Dir		
Route	Jurisdiction	Length AADT QA	4 4Tire	Bus		3+Axle			QC	Factor	QK	Factor	AAWDT	Q۷
	From:	Piedmont St												
116)Walnut Ave	City of Roanoke	0.26 <b>5500 F</b>	98%	0%	1%	0%	0%	0%	С	0.101	F	0.614	5900	F
<u> </u>	To:	Jefferson St												
	From:	Walnut Ave	000/	201		001	00/	00/	_	0.000	_	0.504	40000	
116 Jefferson St	City of Roanoke	0.42 <b>9800 F</b>	98%	0%	1%	0%	0%	0%	F	0.089	F	0.561	10000	
	From:	Elm Ave US 221; 1US 221-P; 128-8015	Gan T											
116)(221)Franklin Rd	City of Roanoke	0.14 <b>5500</b> F		0%	1%	0%	0%	0%	F	0.128	F	0.693	5900	
110/221). 14	To:	US 11	0070	070	Ť	070	070	070	•	0.120	•	0.000	0000	
	From:	Campbell Ave												
116) (11) (221) Williamson Rd	City of Roanoke	0.15 <b>22000 F</b>	98%	0%	1%	0%	0%	0%	F	0.088	F	0.514	24000	
	To	Shenandoah Ave												
116) (11) (221) Williamson Rd	City of Roanoke	0.15 <b>15000 F</b>	98%	0%	1%	0%	0%	0%	F	0.098	F	0.707	17000	
116 (11) (221) Williamson Rd	ony of reduience		3070	070	170	070	070	070	•	0.000	•	0.707	17000	
	From:	I-581												
116) (11) (221) Williamson Rd	City of Roanoke	0.50 <b>12000 F</b>	99%	0%	0%	0%	0%	0%	F	80.0	F	0.519	13000	
ALT. ALT.	To: From:	US 11 US 460			_									
ALT ALT 116) 460 (11) (220) Orange Ave	City of Roanoke	0.24 <b>36000</b> F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.618	40000	
116 (460) (11) (220 Orange Ave	Only of Roanoke			170	170	1 70	270	070	'	0.002	'	0.010	40000	
ALT	To- From:	I-581, US 220, ALT SR 2	20											
116)(460)(11) Orange Ave	City of Roanoke	0.90 <b>18000 A</b>	96%	1%	1%	1%	2%	0%	С	0.093	Α	0.503	19000	
	To:	10th St, Gainsboro Rd												
ALT .	From:	·							_		_		.=	
116 (460) (11) Orange Ave	City of Roanoke	1.00 <b>14000</b> F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.52	15000	
ALT	To: From:	Salem Turnpike												
116)(460)(11) Melrose Ave	City of Roanoke	0.41 <b>12000</b> F	96%	1%	1%	1%	2%	0%	F	0.085	F	0.506	13000	
116/460 (11) Williage 710	ony of reduience		3070	170	170	170	270	070	•	0.000	•	0.000	10000	
	From:	Melrose Ave												
116) Lafayette Blvd	City of Roanoke	0.73 <b>7400 F</b>	98%	0%	1%	0%	0%	0%	С	0.089	F	0.574	7900	
<u> </u>	To: From:	Cove Rd Lafayette Blvd												
116)Cove Rd	City of Roanoke	0.72 <b>12000</b> F	98%	0%	1%	0%	0%	0%	F	0.083	F	0.509	12000	
116 Cove Nu	To:	SR 101 Hershberger Rd		070	170	0 70	070	070	'	0.003	•	0.505	12000	
	From													
Detail Ortol Dd Frit	City of Doorselve	US 11 Brandon Ave 2.34 <b>16000 F</b>	000/	40/	40/	40/	40/	00/	_	0.000	_	0.500	40000	
Peters Creek Rd Ext	City of Roanoke		96%	1%	1%	1%	1%	0%	F	0.092	F	0.529	18000	
	From:	Aerial Way Dr Melrose Ave			-									
Peters Creek Rd	City of Roanoke	0.46 <b>20000</b> F	96%	1%	1%	1%	1%	0%	F	0.087	F	0.530	23000	
111). 3.500 5.55			3070	. 70	. , ,	. 70	. 70	J / 0	•	0.501	•	0.500	_5555	
	From:	Hershburger Rd		401		401	461	001	_	0.655		0.5:-	16000	
117) Peters Creek Rd	City of Roanoke	0.87 <b>14000 F</b>	96%	1%	1%	1%	1%	0%	F	0.092	F	0.545	16000	
<u> </u>	To: From:	Cove Rd												
117) Peters Creek Rd	City of Roanoke	1.37 <b>16000 F</b>	96%	1%	1%	1%	1%	0%	F	0.088	F	0.504	19000	
$\smile$	To:	I-581												

Jurisdictio	าท	Longth						Tru				K		Dir		
	) i i	Lengin	AADT	QA	4Tire	Bus	2Axle	3+Axle	1Trail	2Trail	QC	Factor	QK	Factor	AAWDT	QW
From:	:		I-581													
City of Roan	noke				96%	1%	1%	1%	1%	0%	С	0.111	Α	0.556	23000	Α
10.																
City of Poppako (	Maint: 90)											0.104	_		4000	F
City of Roalloke (I	iviairit. 60)				CREEK I	?						0.104	Г		4000	Г
From:	·						_									
City of Roanoke (I	Maint: 80)				) K1 38							0 124	F		2000	F
To:	:			-	S CREEK I	R	1					0.124	•		2000	•
From																
City of Roanoke (N	Maint: 80)			F								0.104	F		AAWDT 23000 4000 2000 4600 2600 12000 36000 44000 71000 78000 81000 84000	F
To:	:			PETRS	CREEK R	0										
From:	:	SR 117	TO RT 581	NORTH	I											
City of Roanoke (1	Maint: 80)	0.31	2600	F			•					0.089	F		2600	F
To:		I-581-N FROM RT	117 WEST-	PETER:	S CREEK	R										
From:		US 1	1 Williamso	on Rd												
City of Roan	noke	0.63	6300	F	99%	1%	0%	0%	0%	0%	F	0.104	F	0.566	6600	F
To		1	Municipal R	d			<u> </u>									
City of Roan	noke	1.01	11000	Α	99%	1%	0%	0%	0%	0%	С	0.114	Α	0.521	12000	Α
To:	:	N	NCL Roanok	re .												
From:		S	SCL Roanok	æ												
City of Roanoke (N	Maint: 80)	1.64	35000	F	87%	1%	1%	1%	10%	1%	F	0.087	F	0.574	36000	F
Too	4	BUS US 2	20: SR 419	Electric	Rd											
City of Roanoke (N	Maint: 80)	1.66	43000	G	87%	1%	1%	1%	10%	1%	F	NA			44000	G
Tax			Wonin St													
		1.71		F	87%	1%	1%	1%	10%	1%	F	0.093	F	0.549	71000	F
To:						.,.		.,.			-		-			•
City of Roanoke (f	Maint: 8∩)		4 Elm Ave;	1-581		See 1-58	1 for d	irectional	traffic v	nluma as	etimat	es for this	: coar	ment		
· · · · · · · · · · · · · · · · · · ·			70000	F									·		78000	F
Combined Traine Estimates for 21 draine	. Todawa				J-170	1 /0	170	170	7/0	070		0.002	'	0.550	70000	'
City of Poppoko (	Maint: 80)		1 Williamso	on Rd	-	200 I 59	1 for d	iroctional	troffic v	rolumo or	etimet	oc for this	coar	mont		
,	,		72000	_									·		91000	F
Combined Trainic Estimates for 2 Farance	ei Koauwa				94 /0	1 /0	1 /0	1 /0	4/0	0 /6		0.095	-	0.516	01000	-
From:	Maint: 90\		460 Orange	Ave		200   50	1 for all	irontional	troffic	oluma a	ntim of	oo for th:		nont		
·	,		70000										_		0.4000	٨
Combined Traffic Estimates for 2 Paralle	ei Koadwa				94%	1%	1%	1%	4%	υ%	F	0.105	А	0.523	84000	Α
To: From:			lley View B	lvd								,				
				_									_			
		ve on this Doute.	61000	Α	94%	1%	1%	1%	4%	0%	С	0.11	Α	0.508	68000	Α
	City of Roanoke ( Combined Traffic Estimates for 2 Parall City of Roanoke ( Combined Traffic Estimates for 2 Parall City of Roanoke ( Combined Traffic Estimates for 2 Parall City of Roanoke ( Combined Traffic Estimates for 2 Parall City of Roanoke ( Combined Traffic Estimates for 2 Parall	Combined Traffic Estimates for 2 Parallel Roadwa  City of Roanoke (Maint: 80)  Combined Traffic Estimates for 2 Parallel Roadwa  Toat From City of Roanoke (Maint: 80)  Combined Traffic Estimates for 2 Parallel Roadwa  Combined Traffic Estimates for 2 Parallel Roadwa  Toat From City of Roanoke (Maint: 80)	City of Roanoke (Maint: 80)   0.28	City of Roanoke   0.82   20000     To	City of Roanoke   0.82   2000   A   NCL Roanoke	City of Roanoke   0.82   2000   A   96%	City of Roanoke   0.82   2000   A   96%   1%	City of Roanoke   0.82   2000   A   96%   1%   1%   1%	City of Roanoke   0.82   20000   A   96%   1%   1%   1%	City of Roanoke   0.82   20000   A   96%   1%   1%   1%   1%   1%   1%   1%	City of Roanoke   0.82   2000   A   96%   1%   1%   1%   1%   1%   0%	City of Roanoke	City of Roanoke   See   2,581	City of Rosanoke   See   1-581	City of Roanoke   0.82   2000   0.96%   1%   1%   1%   1%   0%   C   0.111   A   0.566	City of Roanoke   0.82   20000   NCL Roanoke   1.01   NCL Roanoke   1.

		CILY OF RC					Tru	ıck			K	011	Dir		
Route	Jurisdiction	Length AAD	T QA	41 ire	Bus	2Axle	3+Axle		2Trail	QC	Factor	QK	Factor	AAWDT	QW
~	City of Donnelso (Mainty 20)	SR 101 Hersh	berger Rd		Coo I FO	11 for di	eational	troffic v	ماريسم مر	tim ot	aa far thic		mant		
220 581	City of Roanoke (Maint: 80) Combined Traffic Estimates for 2 Parallel Roadways	1.75	0 A	94%	See 1-58 1%	1%	ectional 1%	tranic v	olume es 0%	stimate F	es for this 0.11	s segr A	nent. 0.549	60000	Α
	To:	SR 117 Peters		94 /0	1 /0	1/0	1 /0	470	0 /6		0.11	^	0.549	00000	^
North	From:	US 220 TO RT 2400	- ELM STR	EET											
220 Ramp	City of Roanoke (Maint: 80)	0.10 <b>640</b> 0									0.09	F		6400	F
<u> </u>	To:	SR 24 TO RT													
Bus Franklin Bd	City of Poppole (Maint: 90)	US 220; SR 419 So 0.27 <b>2200</b>		oke 98%	00/	1%	0%	00/	0%	С	0.006	F	0.502	22000	F
Franklin Rd	City of Roanoke (Maint: 80)			90%	0%	1%	0%	0%	0%	C	0.086	Г	0.503	23000	Г
Bus	To: From:	Penarth I													
Franklin Rd	City of Roanoke	1.26 <b>1700</b>	0 F	98%	0%	1%	0%	0%	0%	F	0.084	F	0.575	18000	F
Bus	To: From:	128-3 Wo	nju St												
220 Franklin Rd	City of Roanoke	0.38 1000	0 F	98%	0%	1%	0%	0%	0%	F	0.089	F	0.593	11000	F
<del></del>	To: From:	128-8003 McC	lanahan St												
Bus 220 Franklin Rd	City of Roanoke	0.41 8800		98%	0%	1%	0%	0%	0%	F	0.089	F	0.563	9400	F
220)	То:	128-8015; I-581													
ALT ALT	From:	I-581, US 220, A	ALT SR 220	)											
220 (460) (11) (116) Orange Av	ve City of Roanoke	0.24 <b>3600</b>	0 F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.618	40000	F
ALT	To: From:	US 11 Willia	mson Rd												
220)(460)(221) Orange Ave	City of Roanoke	0.49 <b>4200</b>	0 F	96%	1%	1%	1%	2%	0%	F	0.078	F	0.575	46000	F
$\bigcirc \bigcirc \bigcirc \bigcirc$	Tax	SR 115 Hol	lins Rd			$\neg$ $\vdash$									
ALT 220 (460) (221) Orange Ave	City of Roanoke	1.14 <b>410</b> 0	0 F	94%	0%	1%	1%	4%	0%	F	0.076	F	0.569	42000	F
220) (400) (221) erailige / 118	To:	24th S		0.70	0,0		.,0	.,0	0,0	•	0.0.0	•	0.000	.2000	•
ALT	From:			0.40/	00/	40/	40/	407	00/	_	0.075	_	0.500	0.4000	_
220 460 221 Orange Ave	City of Roanoke	1.17 <b>3200</b>		94%	0%	1%	1%	4%	0%	F	0.075	F	0.530	34000	F
ALT	To: From:	128-8055 F	King St												
220 (460) (221) Orange Ave	City of Roanoke	0.38 3900		94%	0%	1%	1%	4%	0%	F	0.078	F	0.529	40000	F
<u> </u>	10:	Roanoke Cou	•												
221 Brambleton Ave	City of Roanoke	1.39 <b>1400</b>		99%	0%	1%	0%	0%	0%	С	0.102	F	0.626	14000	F
Brambleton Ave	Only of Notarione			3370	070	170	070	070	070	O	0.102	'	0.020	14000	
Brambleton Ave	City of Roanoke	Overland 0.52 <b>750</b> 0		99%	0%	1%	0%	0%	0%	F	0.107	F	0.636	8000	F
221)	To:									•	3.107	•	3.000		
221 Main St	City of Roanoke	1.19 <b>880</b> 0		99%	0%	1%	0%	0%	0%	F	0.098	F	0.627	9300	F
221)	To-	8th S								-		•			
221 Elm Ave	City of Roanoke	0.46 <b>1100</b>		97%	1%	1%	1%	0%	0%	С	0.093	F	0.663	11000	F
221)	To:	US 220 Fran	•	20		i.				-		-			·

								Tru	ck			K		Dir		
Route	Jurisdiction -	Length	AADT	QA	4Tire	Bus		3+Axle			QC	Factor	QK	Factor	AAWDT	QW
221 Elm Ave	From: City of Roanoke		220 Franklin <b>7900</b>	n Rd <b>F</b>	97%	1%	1%	1%	0%	0%	F	0.087	F	0.500	8400	F
221 Lilli Ave	Combined Traffic Estimates for 2 Parallel Ro			F	98%	0%	1%	0%	0%	0%	F	0.007	, E	0.622	17000	, F
	To:		R 24, SR 11		30 70	070	1 /0	076	070	070	'	0.034	•	0.022	17000	'
	From:	SR 1	16 US 221 E	Bus P												
221 116 Franklin Rd	City of Roanoke	0.14	5500	F	99%	0%	1%	0%	0%	0%	F	0.128	F	0.693	5900	F
$\sim$	To:		Villiamson R													
221 Williamson Rd	City of Roanoke		Franklin Rd 5500	N	99%	0%	1%	0%	0%	0%	N	0.128	N	0.693	5900	N
221) Williamson Ru	City of Roalloke		11 Salem A		9976	076	176	0%	070	0%	IN	0.120	IN	0.093	3900	IN
	From		Salem Ave													
221 (11) (116) Williamson Rd	City of Roanoke	0.15	22000	F	98%	0%	1%	0%	0%	0%	F	0.088	F	0.514	24000	F
	To		enandoah A	VA												
221 (11) (116) Williamson Rd	City of Roanoke		15000	F	98%	0%	1%	0%	0%	0%	F	0.098	F	0.707	17000	F
221) (11) (118)				•		0,0		0,0	0,0	0,0	•	0.000	•	00.		•
221 (11) (116) Williamson Rd	City of Roanoke	0.50	I-581 <b>12000</b>	F	99%	0%	0%	0%	0%	0%	F	0.08	F	0.519	13000	F
221 {11} (116) Williamson Rd	City of Roalloke	0.50	12000	Г	99%	0%	0%	0%	070	0%	Г	0.06	Г	0.519	13000	Г
ALT	To: From:		US 460 S													
221 460 220 Orange Ave	City of Roanoke	0.49	42000	F	96%	1%	1%	1%	2%	0%	F	0.078	F	0.575	46000	F
ALT	To: From:	SR	115 Hollins	Rd												
221 460 220 Orange Ave	City of Roanoke	1.14	41000	F	94%	0%	1%	1%	4%	0%	F	0.076	F	0.569	42000	F
ALT	To: From:		24th St													
221 (460) (220) Orange Ave	City of Roanoke	1.17	32000	F	94%	0%	1%	1%	4%	0%	F	0.075	F	0.530	34000	F
ALT	Ta: From:	128	8-8055 King	St												
~~~~~ .	City of Roanoke	0.38	39000	F	94%	0%	1%	1%	4%	0%	F	0.078	F	0.529	40000	F
221 460 220 Orange Ave	To:		CL Roanok		J-170	070	170	1 /0	470	070	•	0.070	•	0.020	40000	•
	From:		221 Elm A													
221 (Franklin Rd	City of Roanoke		8000	F	99%	0%	1%	0%	0%	0%	F	0.118	F	0.668	8600	F
Franklin Rd	Combined Traffic Estimates for 2 Parallel Ro			F	98%	0%	1%	0%	0%	0%	F	0.094	F	0.622	17000	F
	To:		SR 116 Jeff			070		070	070	070	•	0.054	•	0.022	17000	'
	From:	US 220: B	ıs US 220 F	Franklin I	Rd		<u> </u>									
419)Electric Rd	City of Roanoke (Main	,	43000	F	99%	0%	0%	0%	0%	0%	F	0.083	F	0.555	47000	F
419)=	To:		oke County		0070	070		0,0	0,0	0,0	•	0.000	•	0.000		-
ALT	From:		ECL Salem													
460 (11) Melrose Ave	City of Roanoke		16000	F	96%	1%	1%	1%	2%	0%	F	0.084	F	0.516	17000	F
+60) (11)					0070	1,70		1 /0	_,0	0,0	•	3.00 1	•	5.515	1,000	•
ALT	To: From:	SR 11	7 Peters Cre	ek Rd												
460 (11) Melrose Ave	City of Roanoke	1.75	13000	F	96%	1%	1%	1%	2%	0%	F	0.085	F	0.508	14000	F
ALT	To- From:		24th St													
460 (11) (116) Melrose Ave	City of Roanoke	0.41	12000	F	96%	1%	1%	1%	2%	0%	F	0.085	F	0.506	13000	F
	To:		Salem Tpke	:												

Jurisdiction	Length A	AADT QA	4Tire	Bus					QC		QK		AAWDT	
					2Axle	3+Axle	1Trail	2Trail		Factor		Factor	7711	Q۷
From:	Sal	lem Tpke												
City of Roanoke	1.00 1	14000 F	96%	1%	1%	1%	2%	0%	F	0.082	F	0.52	15000	F
To: From:	10th St,	Gainsboro Rd												
City of Roanoke	0.90 1	18000 A	96%	1%	1%	1%	2%	0%	С	0.093	Α	0.503	19000	Α
To	I-581 IIS 3	220 ALT SR 2	20											
City of Poppels	· · · · · · · · · · · · · · · · · · ·			40/	40/	40/	20/	00/	_	0.000	_	0.640	40000	F
City of Roanoke			90%	1%	1%	176	2%	0%	Г	0.062	Г	0.616	40000	Г
To: From:	US 11 V	Williamson Rd												
City of Roanoke	0.49	42000 F	96%	1%	1%	1%	2%	0%	F	0.078	F	0.575	46000	F
To: From:	SR 11:	5 Hollins Rd												
City of Roanoke	1.14	41000 F	94%	0%	1%	1%	4%	0%	F	0.076	F	0.569	42000	F
To:		24th St												
City of Poppels			0.40/	00/	40/	40/	40/	00/	_	0.075	_	0.520	24000	F
City of Roanoke			94%	0%	1%	170	4%	0%	Г	0.075	Г	0.530	34000	Г
To: From:	128-8													
City of Roanoke			94%	0%	1%	1%	4%	0%	F	0.078	F	0.529	40000	F
To:		•												
City of Doopelse (Mainty 90)										0.405	_		2400	F
				NI I						0.105	Г		3400	Г
From:					1									
City of Roanoke (Maint: 80)										0.147	F		3000	F
To: I-5	581-N FROM RT 460	EAST00- OR	ANGE AVE	NU										
From:	US 460 TO	RT 581 SOU	ГН											
City of Roanoke (Maint: 80)										0.091	F		8200	F
Salem Table   Salem Table														
From:										0.004	_		40000	F
				NII						0.094	Г		12000	-
From:				INU										
City of Roanoke (Maint: 80)				1%	1%	1%	4%	0%	F	0.09	F		39000	F
• • • • • • • • • • • • • • • • • • • •									F		F	0.538	78000	F
To														
City of Doonaka (Maint: 20)			0.40/	10/	10/	10/	40/	00/	_	0.000	_		44000	
• • • • • • • • • • • • • • • • • • • •									F		-	0.519		F
Tanic Estimates 101 2 Falallet Roadways			3470	170	1 70	1 /0	4/0	U 70	r	0.090	ı	0.516	01000	Г
From:														
City of Roanoke (Maint: 80)	1.68	40000 A	94%	1%	1%	1%	4%	0%	F	0.108	Α		42000	P
	–								_					Α
	City of Roanoke  City of Roanoke (Maint: 80)  To:  City of Roanoke (Maint: 80)  To:  City of Roanoke (Maint: 80)  Combined Traffic Estimates for 2 Parallel Roadways  Combined Traffic Estimates for 2 Parallel Roadways  Combined Traffic Estimates for 2 Parallel Roadways  Combined Traffic Estimates for 2 Parallel Roadways	Total   Tota	City of Roanoke	City of Roanoke	City of Roanoke   0.90   18000   A   96%   1%	Toth St, Gainsboro Rd	City of Roanoke   0.90   18000   A   96%   1%   1%   1%   1%   1%   1581. US 220, ALT SR 220	10th St, Gainsboro Rd	Toth St, Gainsboro Rd	10th St, Catinsboro Rd	City of Roanoke   0.90   18000   A   96%   1%   1%   1%   2%   0%   C   0.993	City of Roanoke   0.90   18000   A   96%   1%   1%   1%   2%   0%   C   0.093   A   1.581, US   200, ALT SR   20   20   20   20   20   20   20   2	City of Roanoke   0.90   18000   R   96%   1%   1%   1%   2%   0%   C   0.093   A   0.503	Total St. California   Total St. California

			y of Roand	JIC .				Tru	ck			K		Dir		
Route	Jurisdiction	n Length	AADT	QA	4Tire	Bus		3+Axle			QC	Factor	QK	Factor	AAWDT	QV
North	From:	Va	lley View Bl	vd			ZANIC	JIANIC	TTTAII	ZITAII		1 actor		1 actor		
581 220	City of Roanoke (N		31000	A	94%	1%	1%	1%	4%	0%	С	0.111	Α		34000	Α
301) 223)	Combined Traffic Estimates for 2 Paralle		61000	Α	94%	1%	1%	1%	4%	0%	С	0.11	Α	0.508	68000	Α
	To:		1 Hershberg													
North	From:						<del></del>				_					
<u>581)</u> { 220 }	City of Roanoke (N	,	27000	Α	94%	1%	1%	1%	4%	0%	F	0.115	Α		30000	Δ
<u> </u>	Combined Traffic Estimates for 2 Paralle	·		A	94%	1%	1%	1%	4%	0%	F	0.11	Α	0.549	60000	A
	107.		7 Peters Cree	ek Rd												
North	From:		I-581 North									0.000	_		0700	_
Ramp	City of Roanoke (N	· · · · · · · · · · · · · · · · · · ·	8700	F								0.086	F		8700	F
			60 E, Orange	Ave												
lorth	City of Donales (A		I-581 North 3300	F								0.407	_		2200	
Ramp	City of Roanoke (N		3300 50 W, Orange									0.107	F		3300	F
				AVE												
North  Samp to Valley View Blvd	City of Roanoke (N		I-581 North 7700	F	99%	0%	0%	0%	0%	0%	С	0.099	F		8200	ı
581 Ramp to valley view blvd	City of Roalloke (N	· · · · · · · · · · · · · · · · · · ·	lley View Bl		9970	U70	0%	0%	070	0%	C	0.099	Г		0200	
	From:			vu												
North 581 Ramp	City of Roanoke (N		I-581 North <b>7900</b>	F								0.093	F		7900	
581 / Karrip	To City of Roanoke (N	· · · · · · · · · · · · · · · · · · ·	E, Hershber									0.033	'		7 300	,
I at b	From:		I-581 North	ger rea												
North 581 Ramp	City of Roanoke (N		3600	F								0.093	F		3600	F
081)	To:		W, Hershber									0.000	•		0000	
North_	From:		I-581 North													
581)Ramp	City of Roanoke (N		4900	F								0.111	F		4900	-
381)	То:		E, Peters Cr										-			
lorth	From:		I-581 North				i									
Ramp	City of Roanoke (N	Maint: 80) 0.21	3900	F								0.107	F		3900	F
	To:	· · · · · · · · · · · · · · · · · · ·	W, Peters Cı	reek Rd												
outh	From:	SR 24 Elm A	ve: US 220 V	Webber	Expv											
581) 220	City of Roanoke (N		34000	F	93%	1%	1%	1%	5%	0%	F	0.101	F		38000	ı
	Combined Traffic Estimates for 2 Paralle	el Roadways on this Route:	70000	F	94%	1%	1%	1%	4%	0%	F	0.092	F	0.538	78000	ı
	Tou	IIQ 1	1 Williamson	n Dd												
outh	From:										_		_			
220	City of Roanoke (N	•	34000	F	93%	1%	1%	1%	5%	0%	F -	0.099	F		38000	-
~ ~	Combined Traffic Estimates for 2 Paralle	el Roadways on this Route:	73000	F	94%	1%	1%	1%	4%	0%	F	0.095	F	0.518	81000	I
outh	To- From:	US	460 Orange A	Ave												
581 220	City of Roanoke (N	Maint: 80) 1.41	39000	Α	93%	1%	1%	1%	5%	0%	F	0.104	Α		42000	
301/(220)	Combined Traffic Estimates for 2 Paralle	•		A	94%	1%	1%	1%	4%	0%	F	0.105	Α	0.523	84000	,
	To:		lley View Bl		0 1 70	. 70	<del>-</del> í	. 70	. 70	570	•	0.700		0.020	2.000	,

-			445-		4	_		Tru	ck		00	K	014	Dir	4 4 14 / D.T.	0147
Route	Jurisdiction	Length	AADI	QA	4Tire	Bus	2Axle	3+Axle	1Trail	2Trail	QC	Factor	QK	Factor	AAWDT	QW
South	From:	Va	lley View B	lvd												
(581)(220)	City of Roanoke (Maint: 80	•	31000	Α	93%	1%	1%	1%	5%	0%	С	0.111	Α		34000	Α
$\bigcirc$ $\bigcirc$	Combined Traffic Estimates for 2 Parallel Roadw	ays on this Route:	61000	Α	94%	1%	1%	1%	4%	0%	С	0.11	Α	0.508	68000	Α
South	To: From:	SR 10	1 Hershberg	ger Rd												
581)(220)	City of Roanoke (Maint: 80	) 1.33	27000	Α	93%	1%	1%	1%	5%	0%	F	0.114	Α		30000	Α
(361)(220)	Combined Traffic Estimates for 2 Parallel Roadw	,		A	94%	1%	1%	1%	4%	0%	F	0.11	Α	0.549	60000	Α
	To:		ICL Roanok		J+70	170		170	770	070	•	0.11	,,	0.010	00000	,,
South	From:		I-581 South	1												
SSGIII S81 Ramp	City of Roanoke (Maint: 80		11000	F								0.084	F		11000	F
901)	To		24 Elm Ave	enue												
South	From:		I-581 South	1												
(581) Ramp	City of Roanoke (Maint: 80		6100	F								0.141	F		6100	F
	To:	US 1	1 Williamso	on Rd												
South	From:		I-581 South	1												
(581) Ramp	City of Roanoke (Maint: 80	0.13	7000	F								0.083	F		7000	F
$\overline{}$	To:	US 4	60 E, Orang	e Ave												
South	From:		I-581 South	1												
(581) Ramp	City of Roanoke (Maint: 80	0.13	2600	F								0.089	F		2600	F
$\overline{}$	To:	US 46	60 W, Orang	ge Ave												
South	From:		I-581 South													
(581) Ramp	City of Roanoke (Maint: 80	,	5800	F								0.093	F		5800	F
	To:	SR 101	E, Hershbe	rger Rd			<u>_</u>									
South	From:		I-581 South			-										_
(581) Ramp	City of Roanoke (Maint: 80	<u> </u>	2200	F								0.375	F		2200	F
	10:		W, Hershbe													
South	From		I-581 South									0.405	_		0000	_
581 Ramp	City of Roanoke (Maint: 80	,	2600	F								0.133	F		2600	F
	10:		E, Peters C													
South	City of Door also (Maiste Of		I-581 South									0.145	_		2000	_
S81 Ramp	City of Roanoke (Maint: 80	,	<b>2000</b> W, Peters C	F			_					0.145	F		2000	F
	IM.	SK 117	w, reters C	ieek Ku												

						City of Ro	anoke								
Route	Length	AADT	QA	4Tire	Bus	2Axle 3+	Truck Axle 1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Roanoke		From:	1			GD 101 O									
(F74) Frontage Rd	0.42	1000	R			SR 101 Ord	way Dr			NA			NA		06/10/2009
(F74) Fromago Fta	0.12	To	r			Roanoke Cou	ınty Line			一"``			10.		00/10/2000
		From:				US 220 Fran	ıklin Rd								
(F897) Frontage Rd	0.39	1600	R							NA			NA		09/30/2009
$\cup$		To				Bus US	220								
		From			US 2	221 P, Bus US 2	220 Franklin R	d							
(1) 2nd St SW	0.23	5300	F	96%	1%	3% 0	% 0%	0%	F	0.118	F	0.585	5700	F	2012
<u> </u>		To: From:				Salem Av	e SW			$\Box$ $lacktriangle$					
(1) 2nd St SW; Gainsbo	ro Rd <b>(N)7/3</b>	8300	F	96%	1%		% 0%	0%	С	0.122	F	0.651	8800	F	2012
		10:				Orange A									
Pollo Ava NE	0.04	From:	F	000/	00/	King St		00/	С	0.115	_	0.522	1000	_	2012
2 Belle Ave NE	0.84	1700		99%	0%	0% 0 ECL Roa	% 0%	0%	C	0.115	F	0.533	1800	F	2012
		From:	1							_					
3 Wonju St	0.18	14000	F	98%	0%	1% 0	% 0%	0%	С	0.095	F	0.61	15000	F	2012
3 Wonja ot	0.10	T-1000	·	3070				070		0.000	•	0.01	10000	•	2012
(3) Wonju St	0.12	18000	F	98%		JS 220 Roy We 1% 0	% 0%	0%	F	0.084	F	0.66	19000	F	2012
3 Wonju St	0.12	To		30 /0	070	Colonial		070	<u>'</u>	0.004	'	0.00	19000	'	2012
		From			US 11 I	US 21, Bus US		n Rd		1					
4 Kimball Ave NE	0.75	8100	F	98%	0%		% 0%	0%	F	0.105	F	0.750	8600	F	2012
•		To				Orange A	ve NE								
		From	-			US 460 Ora	nge Ave								
5 Plantation Rd NE	0.33	7300	F	98%	0%	1% 0	% 0%	0%	F	0.084	F	0.565	7800	F	2012
		To:				Mohawk									
5 Plantation Rd NE	0.82	6000	F	98%	0%	Mohawk A	% 0%	0%	F	0.09	F	0.573	6400	F	2012
5 Plantation Rd NE	0.02	To:		3070	070	SR 115 Liber		070	'	0.03	'	0.575	0400	,	2012
		From:				Dead E									
6 Wells Ave NW	0.03	240	F			Detta	and .			0.14	F	0.702	240	F	2012
<u> </u>		Tay				Gainsborougl	DA NW								
6 Wells Ave	0.19	5000 From:	F	95%	1%		% 1%	0%	F	0.115	F	0.639	5300	F	2012
0		To				Jefferso									
6 Wells Ave NE	0.19	7000	F	95%	1%		% 1%	0%	С	0.108	F	0.622	7500	F	2012
6 170112	0.10	To:	-	0070		JS 221, SR 116				7		0.022	7000	•	2012
		From:				Norfolk A	ve SE								
7 Wise Ave SE	0.89	6800	F	98%	0%		% 0%	0%	F	0.126	F	0.83	7300	F	2012
		To:				WCL Vinton; V	Valnut Ave								
		From				SR 116 Rive	rland Rd								
8 9th St SE	0.21	6500	F	98%	0%	1% 0	% 0%	0%	F	0.093	F	0.567	6900	F	2012
$\bigcirc$		To				Industry A	ve SE								
8 9th St SE	0.93	9200	F	98%	0%	1% 0	% 0%	0%	F	0.086	F	0.547	9800	F	2012
		To:				SR 24 Bullitt A	Avenue SE								
8 9th St SE	0.06	9200	N	98%	0%		% 0%	0%	N	0.086	Ν	0.547	9800	Ν	2012
$\bigcirc$		To	-			SR 24 P Jamis	on Ave SE								
8 9th St SE	0.18	4600 From:	F	98%	0%		% 0%	0%	F	0.101	F	0.62	4900	F	2012
<u> </u>		To				Tazewell A	ve SE								
		From			US	11; US 221 Wil	liamson Rd SE	3							
9 Campbell Ave SE	0.59	10000	F	98%	0%		% 0%	0%	С	0.107	F	0.758	11000	F	2012
$\overline{}$		To			-	Norfolk A	ve SE	-							
$\sim$		From				Campbell A									
(10) Norfolk Ave SE	0.30	8500	F	98%	0%		% 0%	0%	С	0.124	F	0.766	9100	F	2012
		To	<u> </u>			14th S	St								
		From:				Jefferso				$\Box$					
(11) Belleview Ave SE	0.61	4600	F	98%	0%		% 0%	0%	С	0.099	F	0.739	4900	F	2012
		To:	<u> </u>			SR 116 Walnu	ıt Ave SE								

						City U	i Kuanu	INC.								
Route	Length	AADT	QA	4Tire	Bus			uck 1Trail		QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
itv of Roanoke		From	1								1					
Norfolk Ave Connector S	SE 0.03	NA				128-17 8	Salem Ave	e SE			NA			NA		
		To From					olk Ave SI									
Norfolk Ave SE	0.14	NA .	<u> </u>		1	Norfolk Av	e Connec	tor SE			NA			NA		
13)	••••	То	-			128-9 Car	mpbell Av	ve SE								
<u> </u>		From	<u> </u>				fferson St				Ractor QK Factor AAWDT QW  NA NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA NA  NA					
14) Williamson Rd SE	oanoke         orfolk Ave Connector SE 0.03         No           orfolk Ave SE         0.14         No           orfolk Ave SE         0.14         No           orfolk Ave SE         0.14         No           orfolk Ave SE         0.16         820           orfolk Ave SE         0.14         No           orfolk Ave SE         0.22         100           orfolk Ave SW         0.04         100           orfolk Ave SW         0.34         44           orfolk Ave SW         0.30         46           orfolk Ave SW         0.30         46	8200	F	98%	0%	1%	0%	1%	0%	С	0.088	F	0.516	8800	F	2012
		From	1				Elm Avenu m Avenu									
14) Williamson Rd SE	0.22	10000	F	98%	0%	1%	0%	1%	0%	F	0.102	F	0.579	11000	F	2012
<u> </u>		То	:			US 221 F										
1et St SW	0.04	1000		97%	1%	US 11 Car 1%	npbell Av 2%	7e SW 0%	0%	F	0.114	F	0.703	1100	E	2012
1st St SW	0.04	To	·	91 /0		28-17 Sale			0 /0		0.114		0.703	1100	-	201
`		From	<u> </u>				Ave NW;									
1st St NW	0.09	950 ™	F	97%	1%	1%	2% Tells Ave 1	0%	0%	С	0.119	F	0.942	1000	F	201
		From	<u>.                                    </u>		I.	JS 221, SR										
16) S Jefferson St	0.18	6300	F	96%	1%	3%	0%	0%	0%	С	0.097	F	0.764	6700	F	201
<u> </u>		To From	-			US 11 C	Campbell A	Ave								
16) S Jefferson St	0.05	3100 From	F	96%	1%	3%	0%	0%	0%	F	0.097	F		3300	F	201
<i></i>		To				128-17	Salem A	ve								
O-1 A 0\\	0.04	From		000/	00/		h St SW	00/	00/	_		_	0.500	5000	_	004
Salem Ave SW	0.34	4400	F	98%	0%	1%	0%	0%	0%	F	0.09	F	0.532	5000	F	201
Salem Ave SW	0.40	2700		98%	0%	9tl 1%	1 St SW 0%	0%	0%	F	0.000	F	0.505	3100	F	201
Salem Ave SW	0.40	2700		90 /0	0 76			0 /0	0 /0		0.099	-	0.595	3100	-	201
17) Salem Ave SW	0.30	4600	F	98%	0%	1%	1 St SW 0%	0%	0%	F	0.096	F	0.525	5200	F	201:
,		11000	F	98%	0%	1%	0%	0%	0%	F		-			NA  NA  NA  8800 F  1000 F  1100 F  1110 F  11	
		To				2no	d St SW									
17) Salem Ave SW	0.22	3900	F	98%	0%	1%	0%	0%	0%	F	0.092	F	0.587	4400	F	201
		To From				S Je	fferson St							NA  NA  8800 F  11000 F  11000 F  1000 F  3300 F  3300 F  5000 F  3100 F  4400 F  44700 F  2900 F  25000 F  4400 F  4400 F  4500 F  46300 F  8800 F		
17) Salem Ave SW	0.15	4200	F	98%	0%	1%	0%	0%	0%	F	0.103	F	0.685	4700	) F  ) F  ) F  ) F  ) F  ) F  ) F  ) F	2012
		To	<u> </u>		US 11, U	JS 221, Bu			d SE							
13th St SW	0.25	2600	F	98%	0%	Campb 1%	oell Ave S 0%	0%	0%	F	0.093	F	0 586	2900	F	201
13th St SW	0.20	To	:	3070	070		n Ave SW		070		0.000	•	0.000	2000	•	201
		From	-			I-58	1, US 220	)								
19) Valley View Blvd NW	1.39	24000	F								0.092	F	0.548	25000	F	201
<u> </u>		To					erger Rd N			0% C 0.097 F 0.764 6700  0% F 0.097 F 3300  0% F 0.09 F 0.532 5000  0% F 0.099 F 0.595 3100  0% F 0.096 F 0.525 5200  0% F 0.092 F 0.587 4400  0% F 0.092 F 0.587 4400  0% F 0.093 F 0.586 2900  0% F 0.092 F 0.548 25000  0% F 0.096 F 4400  00% F 0.098 F 0.508 6300  00% C 0.098 F 0.515 8800						
outh  Romp From Valloy View	DIO-OHA I	From				I-581 S	S, US 220	S			0.006	_		4400	_	201
19) Ramp From Valley View	DIACOM I.	To	:		Ramp	from I-58	1, US 220	N at Exit	4		0.090	-		4400	-	201
		From					Aviation				i					
Airport Entrance Rd	0.28	5900	F								0.103	F	0.508	6300	F	201
<i></i>		То				SR 118	3 Airport I	Rd								
Tourne Courses Divid NIA	0.50	From	Ļ	000/	00/		Aviation		00/		0.000	_	0.545	0000	_	204
Towne Square Blvd NW	0.53	8200 To	F	99%	0%	1% SR 118	0% 3 Airport I	0% Rd	υ%	Ċ	0.098	۲	0.515	8800	F	201
		From	:		ç	R 101 Her										
Rutgers St NW	0.31	9300	F	99%	0%	1%	0%	0%	0%	С	0.089	F	0.599	9900	F	2012
$\mathcal{L}$		To	:		128	8-21 Town	e Square I	Blvd NW								
$\widehat{}$		From				Hershbe	erger Rd N	١W								
23) Aviation Dr NW	0.77	7000 To	F			130 30 4:	nout To	man D.1			0.103	F	0.515	7500	F	2012
		To	1		1	128-20 Airj	port Entra	nce Rd								

						City 0	i Kuaiiuk	6								
Route	Length	AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Roanoke			1					· · · · · ·	211011		- dotoi		1 40101			
R001) Colonial Ave	1.16	9500		99%	0%	0%	L Roanoke 0%	0%	0%	F	0.107	F	0.514	10000	F	2012
8001) Colonial Ave	1.10	9300 To	_	99 /0	0 /6		singer Rd	0 /6	0 /6		0.107		0.514	10000		2012
		From	12				inger Road									
8001) Colonial Ave	0.81	21000	F	99%	0%	0%	0%	0%	0%	F	0.098	F	0.547	22000	F	2012
$\overline{}$		To	c:			Bra	ndon Ave									
$\sim$		From	:				anoke; 80-6	68								
(8003) Yellow Mountain Rd	2.59	2700	G	99%	0%	0%	0%	0%	0%	С	NA			2500	G	2012
		To From				Jef	ferson St									
8003) McClanahan St	0.48	8000	F	98%	1%	1%	0%	0%	0%	С	0.095	F	0.527	8500	F	2012
$\bigcup$		To	c.			Bus US 2	20 Franklin	Rd								
		From	:			ECI	Roanoke									
8005) Bandy Rd	0.37	1300	F	98%	0%	1%	0%	0%	0%	F	0.105	F	0.599	1400	F	2012
<u> </u>		To	:		1	.28-8009 C	Sarden City	Blvd.								
<u> </u>		From	<u> </u>				L Roanoke					_				
Salem Tpke	1.35	6700	F	98%	1%	1%	0%	0%	0%	F	0.091	F	0.567	7200	F	2012
<u> </u>		To From				3	36th St									
8008) Salem Tpke	1.20	7400	F	97%	1%	1%	0%	1%	0%	С	0.103	F	0.545	7900	F	2012
$\smile$		To	c			- 2	24th St		-							
		From	i.				ow Mtn Rd									
8009 Garden City Blvd	0.42	4700	F	97%	1%	1%	0%	0%	0%	F	0.106	F	0.639	5000	F	2012
<u> </u>		To From				I	Ray Rd									
8009 Garden City Blvd	1.36	5500	F	97%	1%	1%	0%	0%	0%	С	0.089	F	0.557	5800	F	2012
$\bigcup$		To	:			SR 116	Riverland I	Rd								
		From	:			WCI	L Roanoke									
8010) Shenandoah Ave	2.13	11000	F	96%	1%	1%	0%	2%	0%	С	0.091	F	0.564	12000	F	2012
		To					24th St									
8010) Shenandoah Ave	0.77	9200	F	96%	1%	1%	0%	2%	0%	F	0.093	F	0.599	9800	F	2012
		То				1	15th St									
Shenandoah Ave	0.86	9500 From	F	97%	1%	1%	1%	1%	0%	С	0.096	F	0.591	10000	F	2012
8010) Grioriandoari 7 (Vo	0.00	-		01 70	170			170	070			•	0.001	10000	•	2012
8010 Shenandoah Ave	0.66	From	F	070/	10/		5th St	10/	00/	F	0.000	Г	0.702	F 400		2012
Shenandoah Ave	0.66	5100		97%	1%	1%	1% iamson Rd	1%	0%	Г	0.098	F	0.703	5400	F	2012
		From									_					
8011) Ogden Rd	0.55	8300	F	99%	0%	1%	Roanoke 0%	0%	0%	С	0.103	F	0.562	8800	F	2012
SUIT OGUGIT IXU	0.55	0300 To		JJ /0	J /0		L Roanoke	U /0	U /0		0.103	'	0.002	3000	'	2012
		From									L					
8013) Grandin Rd	1.11	7700	 F	99%	0%	1%	Roanoke 0%	0%	0%	С	0.102	F	0.539	8200	F	2012
ou is	1.11	To		JJ /0			n Rd; Bran		J /0		0.102	•	0.000	5200		2012
		From			0.5		Electric R				l					
8014) Grandin Rd	0.55	5700	F	99%	0%	1%	0%	0%	0%	F	0.102	F	0.506	6100	F	2012
0014)	0.00				- 70				- 70	•		•	0.000	0.00	•	_0.2
8014) Grandin Rd	1.14	2500	F	99%	0%	80-924 1%	Wynmere I 0%	0%	0%	С	0.106	F		2700	F	2012
Grandin Rd	1.14	<b>2500</b>	<u> </u>	JJ 70	U-70		st Mill Rd	U70	U70	U	0.106	Г		2100	Г	2012
		From									<u> </u>					
8015) Franklin Rd	0.60	12000	F	99%	( 0%	JS 220 Ro	y Webber E 0%	xpwy 0%	0%	С	0.096	F	0.626	12000	F	2012
Franklin Rd	0.00	1 <b>∠UUU</b> To	F	JJ /0	U /0		U% Elm Ave; C		U /0	U	0.090	Г	0.020	12000	Г	2012
		From			U		lliamson Ro	•								
8015) Tazewell Ave	0.54	5100	F	98%	0%	1%	0%	0%	0%	С	0.125	F	0.739	5400	F	2012
$\cup$		To					9th St									
<u> </u>	0.34	4200	F	98%	0%	1%	0%	0%	0%	F	0.138	F	0.895	4500	F	2012
8015\ Lazewell Ave				-070	5,0		2,3	- , ,	3,3	•		•	2.000	.000	•	_5.2
8015 Tazewell Ave		To	c .			1	13th St									
1 azewell Ave		To					13th St	alem								
(8015) I azewell Ave	1.23		F	99%	0%		13th St toke NCL S 0%	alem	0%	F	0.103	F	0.505	6000	F	2012

Core Rd							City c	f Roanoke									
Control   Cont	Route	Length	AADT	QA	4Tire	Bus			•	Trail	QC		QK		AAWDT	QW	Year
Secretary   Secr	City of Roanoke			_			27 (7.10	017000 1	11an 2	i i ali		· dotoi		1 40101			
Healthograph Id																_	
Company   Comp	(8018) Cove Rd	1.49	7600	F	99%	0%			0%	0%	С	0.088	F	0.514	8100	F	2012
Model Lick Rd	<u> </u>		To	1			Hers	hberger Rd									
Color   Colo	Made at Da	4.40		<u> </u>	000/	00/			00/	00/			_	0.070	0400	_	0040
Second Ave   0.76   6000   F   99%   0.74   1.75   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76   0.76	8020) Mud Lick Rd	1.43			99%	0%			0%	0%	<u> </u>	0.131	F	0.672	3100	F	2012
Memorial Ave   0.71   5200   F   99%   0%   1%   0%   0%   0%   F   0.106   F   0.537   5600   F   2012																	
Memorial Ave   0.71   5200   F   95%   0%   1%   0%   0%   0%   F   0.106   F   0.537   5600   F   2012	8020) Edgewood Ave	0.76	6000	F	99%	0%	1%	0%	0%	0%	С	0.104	F	0.506	6400	F	2012
Memorial Ave   0.71   5200   F   99%   0%   0%   0%   0%   0%   0%   0	$\cup$																
	Managial Acc	0.74		Ļ_	000/	00/			00/	00/		0.400	_	0.507	5000	_	2042
Hershberger Rd	8020 Iviernoriai Ave	0.71			99%	0%			0%	0%	Г	0.106	г	0.537	5600	г	2012
Hershberger Rd   0.60   9800   F   98%   0%   1%   0%   0%   0%   0%   0 0%   C   0.087   F   0.643   10000   F   2012																	
Bennington St SE	Harabhargar Dd	0.60		<u> </u>	000/	00/			00/	Ω0/		0.097	_	0.642	10000	_	2012
SR 116 Kiverland Rd	8022) Heisiberger Ku	0.00		<u> </u>	90%	0%			U76	0%	C	0.067	Г	0.043	10000	Г	2012
Bennington St SE   0.37 NA			F									1					
Riverside Terrace   Control   Cont	Roppington St SE	0.27					SR 116	Riverland Rd				NΙΛ			NΙΛ		
Bennington St   0.54   11000   G   98%   0%   1%   1%   1%   0%   F   NA   12000   G   2012	8023) Dennington St SE	0.37	INA	-								INA			INA		
Carlisle Ave   Carl	<u> </u>	o = :	From	َ	0607	001			40/	001	_	<u> </u>			10000		001-
Carlisle Avenue   Carlisle A	Bennington St	0.54	11000	G	98%	0%			1%	υ%	F	NA			12000	G	2012
13th St			From														
SR 24 Junison Ave; Bullit Avenue   SR 24 Junison Ave	8023 13th St	0.78		G	98%	0%			1%	0%	С	NA			14000	G	2012
13th St				_						-							
Norfolk Ave   0.07   1700   F   95%   2%   2%   1%   0%   0%   C   0.082   F   0.934   1800   F   2012	12th St	0.41	From		07%					∩0/:		0.000		0.630	5900		2012
14th St	8023	0.41	5500		91%	0%	170	170	U76	0%	C	0.090	Г	0.039	3600	Г	2012
Norfolk Ave	<u> </u>																
Norfolk Ave   0.05   7100   F   98%   0%   1%   1%   1%   0%   F   0.093   F   0.504   7600   F   2012	8023) 14th St	0.07	1700		95%	2%			0%	0%	С	0.082	F	0.934	1800	F	2012
Norfolk Ave   0.05   7100   F   98%   0%   1%   1%   1%   0%   F   0.093   F   0.504   7600   F   2012	<u> </u>		From														
Hollins Rd   Nortolk Ave   N	Norfolk Ave	0.05	7100	F	98%	0%			1%	0%	F	0.093	F	0.504	7600	F	2012
Norfolk Ave	8023) 1101101117110	0.00	To		0070	070			. , 0	0,0			•	0.00		•	
US 460, US 221, ALT SR 220 Orange Ave   SR 115 Hollins Road   SR 115 Hollins Road Road Road Road Road Road Road Road			From														
SR 115   Iollins   Road   South   So	8023 Hollins Rd	0.39	7800	F	92%	1%	2%	2%	3%	0%	С	0.084	F	0.526	8300	F	2012
1.75   6900   F   98%   0%   1%   1%   1%   0%   F   0.101   F   0.628   7300   F   2012	<u> </u>		To			US 460,			range Av	e							
NCL Roanoke; 80-605   Nountain View Terrace   0.44   1600   F   97%   0%   2%   0%   0%   0%   F   0.090   F   0.6   1700   F   2012	Old Mountain Dd	4 75		ᆫ	000/	00/			10/	00/	_	0.101	_	0.600	7200	_	2012
No.	8023) Old Mountain Rd	1.75			98%	0%				0%	Г	0.101	г	0.628	7300	г	2012
Mountain View Terrace   0.44   1600   F   97%   0%   2%   0%   0%   0%   F   0.090   F   0.6   1700   F   2012	_			<u> </u>					)			<u> </u>					
Solid   State   Stat	Maurataia Vienu Terrana	0.44		ᄂ	070/	00/			00/	00/		0.000	_	0.0	4700	_	2042
Mountain View Terrace   0.05   1600   N   97%   0%   2%   0%   0%   0%   N   0.090   N   0.6   1700   N   2012	8024 Mountain View Terrace	0.44	1600	_ F	97%	0%	2%	0%	0%	0%	F	0.090	F	0.6	1700	F	2012
Chesterfield St	<u> </u>		From					_					_				
Nountain View Terrace   Noun	Mountain View Terrace	0.05	1600	N	97%	0%			0%	0%	N	0.090	N	0.6	1700	N	2012
Chesterfield St   0.22   1000   F   97%   0%   2%   0%   0%   0%   F   0.105   F   0.504   1100   F   2012	<u> </u>		To						Δ								
Memorial Ave   Memo	Chesterfield St	0 22		F	97%	0%				0%	F	0.105	F	0.504	1100	F	2012
Name	0024	J.LL		Ė	J1 /0	J /0			- /-0	J / U	•	3.100	•	0.004	1100	•	2012
South   Sout			From														
Reserve Ave   Reserve   Rese	Jefferson St	0.43		Ŀ	97%	0%			0%	Ω%	F	NΔ			7700	G	2012
Solution   St   St   St   St   St   St   St   S	0020 0011013011 01	0.43	, 000		J1 /0	0 /0			O 70	J /0		13/7			1100	J	2012
Walnut Ave   Walnut Ave		0.40	From	<u> </u>	0701	001			00/	001		0.000		0.505	45000	_	0010
23rd St 0.27 7400 F 97% 0% 2% 0% 0% 0% F 0.088 F 0.554 7800 F 2012    Solution   From:   Sulvertical Ave   SW; 2nd St SW   St	<sub>8025)</sub> Jefferson St	0.40	14000	F	9/%	υ%			υ%	υ%	C	0.086	۲	0.565	15000	۲	2012
23rd St 0.27 7400 F 97% 0% 2% 0% 0% 0% F 0.088 F 0.554 7800 F 2012    Solid State	_		In	<u> </u>													
Colonial Ave   From   Bus US 11; Salem Ave SW; 2nd St SW   Substituting   Subst	001.0:	c c=		<u> </u>	0701	001				001			_	0.55:	7000	_	001-
Bus US 11; Salem Ave SW; 2nd St SW	(8027) 23rd St	0.27		F	97%	0%			υ%	υ%	F	υ.088	F	0.554	7800	F	2012
Patterson Ave 1.04 <b>5400 F</b> 95% 0% 2% 1% 2% 0% C 0.093 F 0.577 5800 F 2012    State   Column   Colum	<u> </u>																
13th St   13th St   13th St   2% 0% F 0.090 F 0.505 2800 F 2012	<u> </u>																
8028) Patterson Ave 0.53 <b>2600 F</b> 95% 0% 2% 1% 2% 0% F 0.090 F 0.505 2800 F 2012	(8028) Patterson Ave	1.04	5400	F	95%	0%	2%	1%	2%	0%	С	0.093	F	0.577	5800	F	2012
8028) Patterson Ave 0.53 <b>2600 F</b> 95% 0% 2% 1% 2% 0% F 0.090 F 0.505 2800 F 2012			To From					13th St									
	(8028) Patterson Ave	0.53		F	95%	0%	2%	1%	2%	0%	F	0.090	F	0.505	2800	F	2012
	$\bigcirc$		To				US 11 (	Campbell Ave									

						Oity oi	rtoarion									
Route	Length	AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Roanoke		F	i								-					
8029) Brandon Ave	0.82	15000	F	99%	0%	Grar 1%	ndin Rd 0%	0%	0%	F	0.082	F	0.522	16000	F	2012
(8029) Brandon Ave	0.02	To	Ė	3370	070	US 221 Br			070		0.002	•	0.522	10000	·	2012
		From					ain St									
(8029) Brandon Ave	0.92	22000	F	99%	0%	1%	0%	0%	0%	С	0.087	F	0.529	23000	F	2012
$\bigcirc$		To	:			Fran	klin Rd									
		From				24	lth St									
(8030) Loudon St	1.23	1700	F	95%	1%	3%	0%	0%	0%	С	0.094	F	0.601	1800	F	2012
<u> </u>		To	-			10	th St									
(8030) Loudon St	0.43	930	F	95%	1%	3%	0%	0%	0%	F	0.109	F	0.567	990	F	2012
$\cup$		To	:			51	th St									
		From				Dea	ad End									
(8031) Maple Ave	0.36	380	F	95%	0%	2%	1%	2%	0%	F	0.107	F	0.649	410	F	2012
<u> </u>		To	:			SR 116.	Jefferson S	St								
		From	:			Bramb	leton Ave									
(8032) Overland Rd	0.32	10000	F	98%	1%	1%	0%	0%	0%	F	0.117	F	0.521	11000	F	2012
<u> </u>		To				Color	nial Ave									
		From				Elr	n Ave									
(8035) 5th St	0.37	7700	G	98%	1%	1%	0%	0%	0%	С	NA			7200	G	2012
		To From				Sale	m Ave				$\supset$					
(8035) 5th St	0.78	2900	F	98%	1%	1%	0%	0%	0%	F	0.101	F	0.517	3100	F	2012
$\overline{}$		To				Oran	ige Ave									
_		From				Bus US 22	0 Franklir	n Rd								
(8036) Broadway Ave	0.47	8100	F	99%	0%	1%	0%	0%	0%	С	0.09	F	0.630	8700	F	2012
		То				McCla	anahan St									
_		From				Willia	mson Rd									
(8038) Fleming Ave	0.87	1300	F	99%	0%	1%	0%	0%	0%	F	0.092	F	0.639	1400	F	2012
		То	:			Plant	ation Rd									
		From	:			Mountain '	View Ten	race								
8039 Bridge St	0.45	3000	F	99%	0%	1%	0%	0%	0%	F	0.093	F	0.519	3200	F	2012
$\overline{}$		То	:			Patter	rson Ave									
$\sim$		From					klin Rd									
(8040) Reserve Ave	0.37	5500	F	97%	0%	1%	1%	1%	0%	F	0.098	F	0.593	5800	F	2012
		То	:			Jeffe	erson St									
		From					ampbell A									
(8041) 10th St	0.07	5400	F	97%	0%	1%	1%	1%	0%	F	0.087	F	0.561	5800	F	2012
		To From				128-8028 1	Patterson 2	Ave								
(8041) 10th St	0.12	6000	F	97%	0%	1%	1%	1%	0%	F	0.083	F	0.534	6400	F	2012
		To				128-17 Sa	lem Ave S	SW								
(8041) 10th St	0.75	7100 From	F	97%	0%	1%	1%	1%	0%	F	0.088	F	0.534	7600	F	2012
		To				US 460 t	Orange Av	70								
(8041) 10th St	0.84	11000	F	97%	0%	1%	1%	1%	0%	F	0.083	F	0.539	11000	F	2012
8041) 1041 00	0.01			01 70	070			170		•		•	0.000	11000	•	2012
10th St	0.56	From		000/	00/		Overpass	Λ0/	00/		0.097		0.511	9200	Е	2012
8041) 10th St	0.56	7700 To		99%	0%	1%	0%	0%	0%	С	0.087	F	0.511	8200	F	2012
		From					mson Rd	D1 1								
8042) Rutrough Rd	0.57	1400	F	97%	0%	SR 116 Mt	Pleasant I	Blvd 1%	0%	F	0.093	F	0.672	1500	F	2012
(8042) Rutrough Rd	0.37	1400 To		31 /0	U /0		Roanoke	1 /0	U /0	Г	0.033	r.	0.072	1300	Г	2012
		From									<u> </u>					
8045) Boulevard St	0.16	7700	F	97%	0%	Patter 1%	rson Ave	1%	0%	F	0.086	F	0.542	8200	F	2012
8045) Boulevard St	0.10	1100		31 /0	U /0			1 /0	U /0		0.000	-	0.542	0200	1.	2012
O B 1 12:		From	<u> </u>	0=01	001		m Ave	461	2001				0.500	10000	-	06:5
8045 Boulevard St	0.25	9300	F	97%	0%	1%	1%	1%	0%	F	0.087	F	0.536	10000	F	2012
		To From				Bak	er Ave									
8045) 24th St	0.41	9400	F	97%	0%	1%	1%	1%	0%	F	0.083	F	0.509	10000	F	2012
$\overline{}$		То				Melr	ose Ave									
·			_		_							_	·			

						City of	Roanok	e								
Route	Length	AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Roanoke																
Riverdale Rd	0.78	1500	F	97%	0%	1%	1%	1%	0%	F	0.105	F	0.659	1600	F	2012
		To					Roanoke									
8050) Gus Nicks Blvd	0.70	From: 16000	F	97%	0%	1%	1% Roanoke	1%	0%	С	0.09	F	0.66	17000	F	2012
		From:	! !				Ave; US 4	60								
8053) Burwell St	0.35	5300	F	97%	0%	1%	1%	1%	0%	F	0.1	F	0.625	5700	F	2012
		To					erty Rd									
8053) Liberty Rd	0.74	4300	F	99%	0%	1%	0%	0%	0%	С	0.101	F	0.596	4600	F	2012
<u> </u>		From					amson Rd									
8053 Liberty Rd	0.40	4500	F	99%	0%	1%	0%	0%	0%	F	0.097	F	0.535	4800	F	2012
<u> </u>		To					tation Rd									
Ving St	1 16	10000		99%	0%		Vicks Blvd	0%	0%	F	0.092	F	0.522	11000	F	2012
King St	1.46	To	F	99%	0%	1% US 460	0% Orange Av		0%	Г	0.092	Г	0.532	11000	Г	2012
		From:					Salem Tp									
8057) Westside Blvd	0.65	3100	F	99%	1%	1%	0%	0%	0%	F	0.092	F	0.527	3300	F	2012
Maratal de Blad	0.54	From:	<u> </u>	000/	40/		Melrose A		00/		0.005		0.500	5000		0040
Westside Blvd	0.54	5600 Ta-	F	99%	1%	1%	0% ershberger	0%	0%	С	0.095	F	0.568	5900	F	2012
		From:	I								1					
128-8008 Salem Trnpk		6800	G			SR 117 Pe	eters Creek	Ku			NA			6800	G	2012
120 0000 Calom Tripk		To:				30	6th St				<b>—</b>			0000	Ū	2012
		From					le Ave									
13th Street		7600	G	97%	0%	1%	1%	1%	0%	С	0.103	F	0.716	7600	G	2012
		To				Stev	vart Ave									
		From				Cen	itre Ave									
17th St		200	F								0.129	F	0.586	210	F	2012
		To:				Lou	don Ave									
101.0		From	<u> </u>			Edge	erton Ave					_			_	
18th St		110	F			Divo	rdale Rd				0.140	F	0.531	110	F	2012
		From														
19th St		1500	F			Ora	nge Ave				0.082	F	0.537	1600	F	2012
100100		To:				Hand	over Ave				0.002	•	0.007	1000	•	2012
		From					ker Ave									
25th St		940	F								0.095	F	0.517	1000	F	2012
		To				Cen	itre Ave									
		From				Da	le Ave									
7th St		470	F								0.112	F	0.583	500	F	2012
		To:				Stev	vart Ave									
		From				Whit	e Oak Rd									
Avenham Ave		4700 To:	F			Cl. 1	11.0				0.081	F	0.569	5000	F	2012
							esdale St				<u> </u>					
Barnhill Ln		120	F			Win	dsor Rd				0.144	F	0.55	120	F	2012
Daniilli Lii		To:				Gra	ndin Rd				0.144	1	0.00	120	'	2012
		From:					yde St									
Dunkirk Ave		1200	F			Cl	yuc Di				0.13	F	0.833	1300	F	2012
		To				C	line St									
		From:					ove Rd									
Fairhope Rd		1300	F								0.093	F	0.546	1400	F	2012
		To				Appl	eton Ave									
·		·						_		_	·	_	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		

Montroce   Length AADT   QA 4   Fe Bus   2Ade 3AAde 1Trail   ZTrail   C   Factor   C   Factor   AAVUI   UW   Ye						City of Roanoke							
Memorial Ave	Route	Length AADT	QA	4Tire	Bus	Truck2Axle 3+Axle 1Trail 2Trail	QC		QK		AAWDT	QW	Yea
Forest Park Blvd	v of Roanoke	T	i					-					
Demission Ave	Fauguier St					Memorial Ave		0.096	F	0.558	1800	F	201
Forest Park Blvd	r adquier or					Denniston Ave		0.030	'	0.000	1000		201
Forest Park Blvd		From	:			Olive Ave							
Fugate Rd	Forest Park Blvd	1600	F					0.091	F	0.610	1800	F	201
Fugate Rd		То	:			Alder St							
Listo St	D.					Collingwood St		<u> </u>	_				
Greenbrier Ave 130 F	Fugate Rd					I C4		0.104	F	0.576	1100	F	201
The community of the								+					
Hazelridge Rd	Greenbrier Ave		F			Kenwood Bivd		0.087	F	0.6	140	F	201
Hazelridge Rd	Credibile 710					19th St		0.007	•	0.0	140	•	201
Hazelridge Rd		From	:			Hershberger Rd							
Heritage Rd	Hazelridge Rd	320	F			<u> </u>		0.121	F	0.588	340	F	201
Heintage Rd		To				Vincient Ave							
Degenoed La N						Dogwood Ln S							
Hildebrand Rd	Heritage Rd	170						0.131	F	0.592	180	F	201
Hildebrand Rd		То	1					<u> </u>					
Whitney Ave	Hildobroad Dd		<u> </u>			Hershberger Rd		0.100	_	0.546	1700	_	204
Hilliview Ave	i iliuebianu Ku					Whitney Ave		0.108	Г	0.546	1700	r	201
Hillview Ave		From	: :					+					
North and South	Hillview Ave	130	F			Hoxeli Ku		0.153	F	0.544	140	F	201
Langdon Rd			:			Ventnor Rd					_		
Langdon Rd		From	-		R	amp from I-581 N to Elm Ave							
Langdon Rd 170 F	I-581 North and South	NA	_			•		NA			NA		
Langdon Rd		To			R	amp from Elm Ave to I-581 N							
Fairway Dr   Hollins Rd   James   Ja						Lansing Dr							
Hollins Rd	Langdon Rd	170	F			F: D		0.115	F	0.546	180	F	201
Liberty Rd			<u>]</u>					_					
Norton Ave   Norton Nor	Liberty Pd		<u> </u>			Hollins Rd		0 107	F	0.600	200	E	201
Maplelawn Ave   230   G	Liberty Nu					Norton Ave		0.107	'	0.009	200	'	201
Maplelawn Ave   230   G		From	:					i					
Meadow Run Dr	Maplelawn Ave	230	G					NA			250	G	201
Meadow Run Dr   290   G		То	:			Link St							
Northwood Dr		From	:			Brook Run Dr							
Northwood Dr	Meadow Run Dr							NA			310	G	201
Meadowbrook Rd         1200         G         NA         1300         G         201           Mecca St         2600         G         NA         2800         G         200           Melcher St         2600         G         NA         2800         G         200           Melcher St         350         G         NA         370         G         200           Monroe St         1200         G         NA         1300         G         200           Monterey Rd         940         G         NA         1300         G         200           Monterey Rd         940         G         NA         1000         G         200           Montrose Ave         1800         G         NA         1900         G         200		То				Spring Tree Dr							
Sloan Rd						Northwood Dr					4000	•	004
Mecca St   2600   G	Meadowbrook Rd					Sloan Pd		NA			1300	G	201
Mecca St         2600         G         NA         2800         G         20°           Melcher St         From:         Yellow Mt Rd         NA         370         G         20°           Melcher St         350         G         NA         370         G         20°           Monroe St         1200         G         NA         1300         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Montrose Ave         1800         G         NA         1900         G         20°								_					
Belle Ave	Mecca St		G			King St		NA			2800	G	201
Melcher St         350         G         NA         370         G         20°           Monroe St         1200         G         NA         1300         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Montrose Ave         1800         G         NA         1900         G         20°						Belle Ave		<b></b> `					
Melcher St         350         G         NA         370         G         200           Monroe St         1200         G         Vemont Ave         NA         1300         G         200           Monterey Rd         940         G         NA         1000         G         200           Monterey Rd         940         G         NA         1000         G         200           Montrose Ave         1800         G         NA         1900         G         200		From	:			Yellow Mt Rd							
NA   1300   G   2000	Melcher St	350	G			·		NA			370	G	201
Monroe St         1200         G         NA         1300         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Monterey Rd         940         G         NA         1000         G         20°           Image: Line of the control of		То	:			Carico Ave							
Maine Ave           Monterey Rd         940 G         NA         1000 G         20°           To:         Dead End         NA         1900 G         20°           Montrose Ave         1800 G         NA         1900 G         20°						Vermont Ave							
Nonterey Rd   Prom:   Old Mountain Rd   NA   1000   G   200	Monroe St		G					NA			1300	G	201
Monterey Rd         940         G         NA         1000         G         20°           Montrose Ave         1800         G         NA         1900         G         20°			<u> </u>										
To:         Dead End           From:         Morningside St           Montrose Ave         1800         G         NA         1900         G         20°	Montor: Dd					Old Mountain Rd			_		4000	_	00.
From:   Morningside St	ivionterey Kd					Dead End		NA			1000	G	201
Montrose Ave 1800 G NA 1900 G 20			<u>.</u>					<del>-  </del>					
	Montrose Ave		G			Moningside St		NA			1900	G	201
						11th Half St		<b>–</b> "`			.000	•	_01

					Oity of 1to									
Route Le	ngth <b>AADT</b>	QA	4Tire	Bus		Truck Axle 1Trail		QC F	K actor	QK	Dir Factor	AAWDT	QW	Yea
of Roanoke														
Municipal Airport Entrance	3300	G			Aviation	n Dr			J NA			3300	G	2012
Municipal Aliport Entrance	3300 To				Airpo	ort			1			3300	G	2012
	From				Winsloe				i					
Oaklawn Ave	530	G							NA			560	G	2012
	To				Hazelridş	ge Rd								
	From				Colonial	Ave								
Persinger Rd	1700 <sub>To</sub>	F						C	.093	F	0.717	1800	F	2012
		<u> </u>			Bluefield				<u> </u>					
Portland Ave	1000	G			Cove 1	Rd			J NA			1100	G	201
Foliand Ave	To				Oleva	St			1			1100	G	201
	From	:			New Spring I				Ì					
Ray Rd	320	G				<u> </u>			NA			340	G	201
	To	:			Dead I	End								
	From				Gun Clu	ıb Rd								
Renfro Blvd	210	G							NA			230	G	201
	То	1			Pilot				<u> </u>					
Povnoldo Pd	From				Mabry	Ave			115	F	0.760	000	_	204
Reynolds Rd	860	<u> </u>			ECL Roa	anoke			.115 <b>7</b>	г	0.760	920	Г	201
	From	:I			Cannada				1					
Richard Ave	1000	F			Camada	<u>y Ku</u>		C	 1.117	F	0.589	1100	F	201
	To				Mecca	St			1					
	From	1			Mississip	pi Ave								
Ridgefield St	150	F						C	.112	F	0.526	160	F	201
	To				Norton	Ave							G G G G G G G G G G G G G G G G G	
	From				Burks	St								
Roanoke Ave	610 To	F			D	C4		C	.097	F	0.728	650	F	201
	From	!			Byrne				<u> </u>					
Salem Ave	2200	F			19Th	St			<b>.</b> .077	F	0.559	2300	F	201
Galomitivo	To				20Th	St			1	•	0.000	2000	•	201
	From	:			Rosewoo									
Sweetbrier Ave	170	G							NA			180	G	201
	To				Clifford	d St								
	From				Deyerle	e Rd								
Valentine Ave	400	G			<u> </u>				NA			420	G	201
	То	<u>1</u>			Knollwoo				1					
Valloy View Plyd NIM	12000	G			Ring I	Rd			J NA			12000	<u></u>	201
Valley View Blvd NW	12000								NA			12000	G	∠01
Valley View Blvd NW	14000	G			Valley View	Blvd NW			NA			14000	G	201
valicy view bivu INVV	14000				***				. N/\ 			14000	G	201
Valley View Blvd NW	16000	G			Valley View	Blvd NW			NA			16000	G	201
valley view blvu invv	To				I-58	1			1			10000	G	201
	From	:			Eanes				<del></del>					
Ventnor Rd	770	G			Lancs				NA			810	G	201
	To				Hillview	Ave								
<del></del>	From				Omar A	Ave								
Vinyard Ave	20	G							NA			30	G	201
	То				Atherly				<u> </u>					
	From		_		Comer	St	_	_						
Virginia Ave	210	G							NA			220	G	201

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle 3+Axle 1Trail 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
City of Roanoke		From:	1			W. 1 C.		<del>- i</del>					
						Woodbury St		<b>—</b>				_	
Whitney Ave		990	G					NA			1000	G	2012
-		To				Hubert Rd							
		From:				Winterberry Lane							
Willow Oak Dr		160	F					0.151	F	0.571	170	F	2012
		To:				Willow Oak Circle							
		From:				Edgewood St							
Windsor Ave		1300	G					NA			1400	G	2012
		To:				Derwent Dr							