

Transform Interstate 66: Inside the Beltway, Eastbound Widening

Traffic and Transportation Technical Report

Appendix I

*Existing and Future Conditions Intersection Operational
Analysis Results*

DRAFT – NOVEMBER 2016

Intersection

Overall Performance Summary

2016 Existing

Node ID	Intersection	2016 Existing AM Peak		2016 Existing PM Peak	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
666601	Leesburg Pike/Pimmite Dr	31.2	C	123.9	F
666602	Leesburg Pike/Idlewood Road	87.0	F	111.0	F
666603	WB I-66 off-ramp/VA-7	4.8	A	151.1	F
666604	Leesburg Pike/Haycock Road/Shreve Rd	63.6	E	163.3	F
666801	N Westmoreland St/I-66 EB Off-Ramp	17.9	C	78.4	E
666802	Westmoreland St/EB I-66 off-ramp	2.7	A	10.5	B
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	18.4	C	2.7	A
666901	US-29/Fairfax Dr/Washington Blvd	76.4	E	26.4	C
666902	US-29/Fairfax Dr/Washington Blvd	67.7	E	73.3	E
666903	US-29/N Westmoreland St	98.5	F	16.4	B
666904	N Sycamore St/Washington Blvd	37.6	D	58.9	E
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	68.4	E	13.8	B
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	68.4	E	24.3	C
667101	N Glebe Rd/15th St N	5.7	A	42.2	D
667102	N Glebe Rd/WB I-66 Off-Ramp	19.3	B	69.9	E
667103	N Glebe Rd/EB I-66 On-Ramp	4.8	A	27.9	C
667104	N Glebe Rd/Washington Blvd	34.6	C	37.6	D
667105	Fairfax Dr/N Glebe Rd	33.5	C	43.0	D
667106	Fairfax Dr/N Wakefield St	6.0	A	12.3	B
667201	Lee Highway(US-29)/WB I-66 On-Ramp	13.2	B	1.9	A

Node ID	Intersection	2016 Existing AM Peak		2016 Existing PM Peak	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
667202	Lee Highway(US-29)/EB I-66 Off ramp	14.5	B	18.7	B
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.2	D	25.5	C
2671901	Route 123/Great Falls St/Lewinsville Rd	71.3	E	134.7	F
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	43.9	D	133.9	F
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	30.1	C	55.3	E

2025 Opening Year No-Build

Node ID	Intersection	2025 No-Build AM Peak Hour		2025 No-Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
666601	Leesburg Pike/Pimmite Dr	32.8	C	138.7	F
666602	Leesburg Pike/Idlewood Road	64.2	E	111.0	F
666603	WB I-66 off-ramp/VA-7	4.6	A	151.1	F
666604	Leesburg Pike/Haycock Road/Shreve Rd	49.2	D	163.3	F
666801	N Westmoreland St/I-66 EB Off-Ramp	7.1	A	78.4	E
666802	Westmoreland St/EB I-66 off-ramp	3.4	A	10.5	B
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	22.7	C	2.7	A
666901	US-29/Fairfax Dr/Washington Blvd	38.4	D	26.4	C
666902	US-29/Fairfax Dr/Washington Blvd	32.3	C	73.3	E
666903	US-29/N Westmoreland St	191.0	F	16.4	B
666904	N Sycamore St/Washington Blvd	34.1	C	58.9	E
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	64.3	E	13.8	B
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	121.7	F	24.3	C
667101	N Glebe Rd/15th St N	6.0	A	42.2	D
667102	N Glebe Rd/WB I-66 Off-Ramp	20.1	C	69.9	E
667103	N Glebe Rd/EB I-66 On-Ramp	6.1	A	27.9	C
667104	N Glebe Rd/Washington Blvd	43.7	D	37.6	D
667105	Fairfax Dr/N Glebe Rd	53.9	D	43.0	D
667106	Fairfax Dr/N Wakefield St	6.5	A	12.3	B
667201	Lee Highway(US-29)/WB I-66 On-Ramp	14.1	B	1.9	A
667202	Lee Highway(US-29)/EB I-66 Off ramp	8.1	A	18.7	B

Node ID	Intersection	2025 No-Build AM Peak Hour		2025 No-Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	25.7	C	25.5	C
2671901	Route 123/Great Falls St/Lewinsville Rd	73.3	E	134.7	F
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	95.2	F	133.9	F
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	40.8	D	55.3	E

2025 Opening Year Build

Node ID	Intersection	2025 Build AM Peak Hour		2025 Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
666601	Leesburg Pike/Pimmit Dr	74.1	E	139.8	F
666602	Leesburg Pike/Idlewood Road	87.0	F	111.0	F
666603	WB I-66 off-ramp/VA-7	4.8	A	151.1	F
666604	Leesburg Pike/Haycock Road/Shreve Rd	63.6	E	163.3	F
666801	N Westmoreland St/I-66 EB Off-Ramp	17.9	C	78.4	E
666802	Westmoreland St/EB I-66 off-ramp	2.7	A	10.5	B
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	18.4	C	2.7	A
666901	US-29/Fairfax Dr/Washington Blvd	76.4	E	26.4	C
666902	US-29/Fairfax Dr/Washington Blvd	67.7	E	73.3	E
666903	US-29/N Westmoreland St	98.5	F	16.4	B
666904	N Sycamore St/Washington Blvd	37.6	D	58.9	E
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	68.4	E	13.8	B
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	68.4	E	24.3	C
667101	N Glebe Rd/15th St N	5.7	A	42.2	D
667102	N Glebe Rd/WB I-66 Off-Ramp	19.3	B	69.9	E
667103	N Glebe Rd/EB I-66 On-Ramp	4.8	A	27.9	C
667104	N Glebe Rd/Washington Blvd	34.6	C	37.6	D
667105	Fairfax Dr/N Glebe Rd	33.5	C	43.0	D
667106	Fairfax Dr/N Wakefield St	6.0	A	12.3	B
667201	Lee Highway(US-29)/WB I-66 On-Ramp	13.2	B	1.9	A
667202	Lee Highway(US-29)/EB I-66 Off ramp	14.5	B	18.7	B

Node ID	Intersection	2025 Build AM Peak Hour		2025 Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.2	D	25.5	C
2671901	Route 123/Great Falls St/Lewinsville Rd	71.3	E	134.7	F
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	43.9	D	133.9	F
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	30.1	C	55.3	E

2040 Design Year No-Build

Node ID	Intersection	2040 No-Build AM Peak Hour		2040 No-Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
666601	Leesburg Pike/Pimmite Dr	63.2	E	150.3	F
666602	Leesburg Pike/Idlewood Road	87.0	F	111.0	F
666603	WB I-66 off-ramp/VA-7	4.8	A	151.1	F
666604	Leesburg Pike/Haycock Road/Shreve Rd	63.6	E	163.3	F
666801	N Westmoreland St/I-66 EB Off-Ramp	17.9	C	78.4	E
666802	Westmoreland St/EB I-66 off-ramp	2.7	A	10.5	B
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	18.4	C	2.7	A
666901	US-29/Fairfax Dr/Washington Blvd	76.4	E	26.4	C
666902	US-29/Fairfax Dr/Washington Blvd	67.7	E	73.3	E
666903	US-29/N Westmoreland St	98.5	F	16.4	B
666904	N Sycamore St/Washington Blvd	37.6	D	58.9	E
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	68.4	E	13.8	B
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	68.4	E	24.3	C
667101	N Glebe Rd/15th St N	5.7	A	42.2	D
667102	N Glebe Rd/WB I-66 Off-Ramp	19.3	B	69.9	E
667103	N Glebe Rd/EB I-66 On-Ramp	4.8	A	27.9	C
667104	N Glebe Rd/Washington Blvd	34.6	C	37.6	D
667105	Fairfax Dr/N Glebe Rd	33.5	C	43.0	D
667106	Fairfax Dr/N Wakefield St	6.0	A	12.3	B
667201	Lee Highway(US-29)/WB I-66 On-Ramp	13.2	B	1.9	A
667202	Lee Highway(US-29)/EB I-66 Off ramp	14.5	B	18.7	B
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.2	D	25.5	C

Node ID	Intersection	2040 No-Build AM Peak Hour		2040 No-Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
2671901	Route 123/Great Falls St/Lewinsville Rd	71.3	E	134.7	F
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	43.9	D	133.9	F
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	30.1	C	55.3	E

2040 Design Year Build

Node ID	Intersection	2040 Build AM Peak Hour		2040 Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
666601	Leesburg Pike/Pimmite Dr	43.8	D	158.8	F
666602	Leesburg Pike/Idlewood Road	87.0	F	111.0	F
666603	WB I-66 off-ramp/VA-7	4.8	A	151.1	F
666604	Leesburg Pike/Haycock Road/Shreve Rd	63.6	E	163.3	F
666801	N Westmoreland St/I-66 EB Off-Ramp	17.9	C	78.4	E
666802	Westmoreland St/EB I-66 off-ramp	2.7	A	10.5	B
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	18.4	C	2.7	A
666901	US-29/Fairfax Dr/Washington Blvd	76.4	E	26.4	C
666902	US-29/Fairfax Dr/Washington Blvd	67.7	E	73.3	E
666903	US-29/N Westmoreland St	98.5	F	16.4	B
666904	N Sycamore St/Washington Blvd	37.6	D	58.9	E
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	68.4	E	13.8	B
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	68.4	E	24.3	C
667101	N Glebe Rd/15th St N	5.7	A	42.2	D
667102	N Glebe Rd/WB I-66 Off-Ramp	19.3	B	69.9	E
667103	N Glebe Rd/EB I-66 On-Ramp	4.8	A	27.9	C
667104	N Glebe Rd/Washington Blvd	34.6	C	37.6	D
667105	Fairfax Dr/N Glebe Rd	33.5	C	43.0	D
667106	Fairfax Dr/N Wakefield St	6.0	A	12.3	B
667201	Lee Highway(US-29)/WB I-66 On-Ramp	13.2	B	1.9	A
667202	Lee Highway(US-29)/EB I-66 Off ramp	14.5	B	18.7	B
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.2	D	25.5	C

Node ID	Intersection	2040 Build AM Peak Hour		2040 Build PM Peak Hour	
		Average Delay (sec/veh)	Intersection LOS	Average Delay (sec/veh)	Intersection LOS
2671901	Route 123/Great Falls St/Lewinsville Rd	71.3	E	134.7	F
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	43.9	D	133.9	F
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	30.1	C	55.3	E

Detailed Intersection Performance

2016 Existing Year AM

2016 Existing AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	29.0	C	36.2	D	49.7	D	111	607
		27.4	C					12	504
		81.0	F					57	192
		68.2	E	79	348				
		24.0	C	49.6	D			88	360
		65.5	E	79	348				
		58.1	E	62.6	E			231	486
		69.6	E					250	513
		122.5	F	17	102				
		65.4	E	96	307				
		67.0	E	65.9	E			101	313
65.8	E	96	307						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	14.6	B	16.9	B	29.0	C	32	196
		37.0	D					36	210
		45.1	D					9	106
		39.2	D	0	0				
		135.2	F	116.7	F			271	367
		100.4	F	119	311				
		26.6	C	26.6	C			72	592
		16.0	B	26.6	C			1	73
		53.1	D	0	22				
		84.1	F	27	160				
		243.0	F	195.2	F			42	182
132.4	F	27	160						
666203	Nutley Rd/Hermosa Dr	2.6	A	2.6	A	42.4	D	12	137
		1.6	A					25	195
		3.8	A					0	0
		0.0	A	67	273				
		288.7	F	118.8	F			130	334
		76.4	E	67	273				
		78.5	E	424	628				
		11.4	B	73.9	E			0	38
		35.5	D	0	0				
		54.4	D	6	71				
		10.1	B	28.3	C			13	103
100.4	F	6	71						
666204	Nutley St/US 29	74.4	E	72.4	E	57.5	E	122	361
		51.8	D					160	408
		77.7	E					122	361
		41.8	D	158	791				
		18.3	B	50.2	D			2	77
		78.7	E	100	350				
		88.7	F	418	553				
		15.8	B	70.6	E			264	556
		78.3	E	418	553				
		56.8	E	99	665				
		29.2	C	39.0	D			123	665
117.4	F	5	52						

2016 Existing AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmitte Dr	95.7	F	68.5	E	31.2	C	129	403
		35.1	D					56	478
		96.9	F					129	403
		29.9	C	29.9	C			92	646
		28.3	C					97	657
		32.5	C					1	22
		88.5	F	89.4	F			109	399
		80.3	F					121	414
		90.3	F					109	399
		7.6	A	9.1	A			17	296
		9.0	A					1	37
27.0	C	12	184						
666602	Leesburg Pike/Idlewood Road	89.8	F	74.9	E	87.0	F	266	805
		65.8	E					293	834
		89.1	F					266	805
		61.3	E	78.5	E			458	1136
		47.2	D					484	1165
		236.3	F					458	1136
		285.3	F	255.1	F			649	800
		166.1	F					680	831
		302.6	F					649	800
		60.9	E	63.9	E			258	887
		46.5	D					265	894
111.9	F	258	887						
666603	WB I-66 off-ramp and VA-7	48.7	D	48.7	D	4.8	A	22	86
		3.1	A	3.1	A			4	166
		2.8	A	2.8	A			6	274
666604	Leesburg Pike/Haycock Road/Shreve Rd	86.0	F	87.0	F	63.6	E	164	687
		92.0	F					164	687
		88.0	F					106	614
		49.9	D	66.5	E			211	924
		21.2	C					0	29
		166.0	F					185	923
		70.7	E	71.7	E			79	283
		77.6	E					88	294
		63.2	E					43	234
		40.6	D	44.1	D			173	798
42.3	D	173	798						
116.7	F	28	136						
666801	N Westmoreland St/I-66 EB Off-Ramp	2.1	A	2.1	A	17.9	C	0	0
		33.0	D	38.3	E			0	0
		39.6	E					7	188
		0.2	A	0.2	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.3	A	0.4	A	2.7	A	0	0
		1.6	A					0	23
		1.0	A	9.0	A			2	123
		9.9	A					6	142
		0.2	A	0.7	A			0	0
		0.9	A					0	24
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	142.1	F	179.4	F	18.4	C	415	478
		0.0	A					415	478
		179.6	F					415	478
		1.2	A	2.4	A			0	0
		2.5	A					0	0
		1.1	A					0	0
0.9	A			0	0				

2016 Existing AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	9.0	A	10.4	B	76.4	E	35	408
		15.0	B					35	408
		213.4	F					1138	1494
		206.7	F	54.1	D			1149	1505
		54.3	D					166	384
		62.5	E					175	398
		51.0	D					166	384
666902	US-29/Fairfax Dr/Washington Blvd	28.3	C	28.6	C	67.7	E	187	367
		29.8	C					187	367
		156.3	F	127.9	F			3471	5320
		48.2	D					3471	5320
		107.2	F					3471	5320
		5.0	A	5.1	A			7	98
		8.9	A					7	98
666903	US-29/N Westmoreland St	117.7	F	116.8	F	98.5	F	611	1165
		97.8	F					616	1171
		0.0	A					611	1165
		0.0	A	0.0	A			0	0
		0.0	A					0	0
		4.8	A	5.8	A			8	155
		1.2	A					0	66
		23.7	C					8	155
		206.1	F	200.2	F			305	443
		213.1	F					314	454
182.6	F	221	348						
38.7	D	197	435						
666904	N Sycamore St/Washington Blvd	13.9	B	37.3	D	37.6	D	199	438
		38.5	D					197	435
		46.9	D					115	316
		17.4	B	38.3	D			108	323
		56.8	E					115	316
		46.6	D	43.1	D			63	271
		7.5	A					64	274
		41.9	D					63	271
		34.6	C	33.2	C			69	335
		31.2	C					69	335
24.8	C	70	337						
87.0	F	86.9	F			444	724		
78.9	E			444	724				
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	9.9	A	72.8	E	68.4	E	21	170
		78.1	E					16	145
		8.6	A					19	322
		8.1	A	8.6	A			17	322
		116.3	F					103	550
		190.6	F					174	642
		105.9	F					103	550
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	110.6	F	105.4	F	68.4	E	362	915
		81.4	F					362	915
		71.2	E					362	915
		43.8	D	44.8	D			49	198
		21.6	C					68	226
		60.7	E	15.6	B			49	198
		6.5	A					39	300
		4.6	A					39	300
33.9	C			39	300				

2016 Existing AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	2.7	A	2.7	A	5.7	A	4	150
		2.9	A					5	158
		4.9	A	5.6	A			16	258
		11.3	B					16	258
		22.6	C	32.1	C			23	192
48.8	D	19	184						
667102	N Glebe Rd/WB I-66 Off-Ramp	11.6	B	11.6	B	19.3	B	16	229
		10.2	B	10.2	B			35	370
		27.6	C	42.6	D			124	411
		51.6	D					120	404
667103	N Glebe Rd/EB I-66 On-Ramp	0.4	A	0.7	A	4.8	A	0	99
		1.7	A					12	314
		6.8	A	6.9	A			5	225
		8.1	A					7	253
667104	N Glebe Rd/Washington Blvd	34.2	C	31.4	C	34.6	C	52	258
		26.0	C					56	266
		22.6	C					52	258
		56.3	E	53.1	D			165	681
		37.3	D					178	698
		56.9	E	24.0	C			165	681
		24.7	C					106	312
		13.5	B					105	322
		24.9	C	27.4	C			106	312
		31.2	C					38	186
		6.3	A					45	203
		45.4	D	33.5	C			38	186
22.8	C	36.6	D			114	362		
7.2	A					0	25		
52.6	D	18.2	B			114	362		
32.9	C					15	71		
4.0	A					15	71		
25.6	C	31.7	C			15	71		
35.3	D					65	236		
32.0	C	39.9	D			69	241		
19.2	B					65	236		
46.4	D					77	294		
8.0	A	20.3	C	87	310				
66.5	E			77	294				
14.9	B			6.0	A	1	29		
3.6	A	1	33						
32.2	C	1	29						
11.7	B	12.5	B			15	190		
29.4	C					15	190		
18.6	B	20.3	C			8	120		
13.7	B					8	122		
36.9	D					8	120		
2.9	A	2.8	A			22	296		
0.8	A					22	311		
1.2	A			22	296				

2016 Existing AM											
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)		
667201	Lee Highway(US-29)/WB I-66 On-Ramp	13.1	B	13.0	B	13.2	B	30	302		
		10.5	B					23	291		
		3.8	A	13.6	B			41	324		
		26.9	C					41	324		
667202	Lee Highway(US-29)/EB I-66 Off ramp	54.5	D	52.9	D	14.5	B	39	146		
		43.4	D					29	128		
		14.9	B	14.9	B			59	427		
		6.4	A					6.4	A	8	204
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	27.7	C	28.4	C	35.2	D	63	382		
		28.0	C					63	382		
		30.5	C					15	186		
		42.2	D	43.1	D			249	603		
		12.4	B					253	609		
		49.2	D					249	603		
		24.5	C	30.0	C			20	135		
		26.6	C					25	141		
		38.6	D					22	179		
		24.3	C	22.7	C			43	224		
		1.4	A					0	22		
		51.4	D					14	93		
65.4	E	71.3	E			470	2461				
18.9	B			68.6	E	345	2311				
98.8	F			90.1	F	470	2461				
150.5	F					172	407				
17.0	B					138	538				
103.9	F			42.2	D	172	407				
53.1	D					122	419				
7.8	A					1	74				
83.7	F			114.6	F	6	46				
115.2	F					373	481				
103.8	F					324	457				
114.7	F					373	481				
27.2	C	43.9	D			79	317				
9.8	A			24.5	C	2	170				
138.7	F			94.3	F	295	1246				
53.2	D					0	18				
139.2	F			36.8	D	295	1246				
34.6	C					172	987				
115.0	F					172	987				
39.4	D			72.8	E	14	210				
79.9	E					76	270				
2671903	Route 123/Scotts Crossing Rd/Colshire Dr			30.2	C	31.3	C	30.1	C	131	565
				32.8	C					140	579
				98.1	F					9	50
		84.1	F	79.8	E	103	258				
		81.3	F			103	258				
		72.5	E			103	258				
		11.1	B	15.7	B	53	539				
		17.8	B			59	553				
		114.4	F			41	136				
		88.3	F	90.3	F	20	126				
		95.0	F			33	142				
86.6	F	31	100								

2016 Existing Year PM

2016 Existing PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	49.5	D	63.8	E	58.2	E	310	2023
		48.1	D					22	492
		127.7	F					103	669
		76.1	E	54.4	D			111	514
		8.1	A					147	555
		76.6	E					111	514
		51.4	D	50.0	D			187	504
		33.4	C					5	162
		129.4	F					26	138
		72.8	E	72.1	E			170	307
		63.8	E					196	339
		73.6	E					170	307
		6.5	A					104.9	F
2.6	A	0	0						
32.6	C	18	204						
56.7	E	2	29						
76.4	E	73.7	E	91	332				
70.9	E			63	300				
188.2	F			1834	3531				
111.3	F	184.7	F	1	125				
171.9	F			1	21				
71.8	E			7	50				
12.9	B	37.8	D	0	0				
73.5	E			7	50				
4.2	A			43.0	D	11	177		
2.0	A	21	234						
23.7	C	1	30						
75.4	E	84.5	F			47	175		
107.7	F					24	144		
77.8	E					47	175		
62.9	E	60.0	E			483	693		
9.6	A					1	72		
69.9	E					0	32		
0.0	A	79.6	E			19	123		
10.0	A					36	155		
149.5	F					19	123		
666204	Nutley St/US 29	83.4	F			87.5	F	75.0	E
		62.2	E	216	557				
		100.6	F	175	510				
		35.0	C	45.4	D	65	270		
		18.0	B			11	106		
		80.2	F			82	237		
		63.9	E	52.8	D	357	562		
		16.9	B			49	499		
		80.8	F			357	562		
		122.9	F	120.3	F	610	878		
105.7	F	526	890						
226.8	F	341	879						

2016 Existing PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	108.6	F	76.8	E	123.9	F	109	392
		37.6	D					9	122
		100.2	F					109	392
		133.5	F	135.8	F			1659	2405
		152.7	F					1567	2313
		115.3	F					1	22
		541.2	F	557.8	F			975	1095
		390.3	F					994	1114
		585.9	F					975	1095
		20.3	C	31.5	C			84	570
		15.0	B					8	362
		89.3	F					179	573
666602	Leesburg Pike/Idlewood Road	115.3	F	116.6	F	111.0	F	160	498
		117.7	F					161	499
		115.3	F					160	498
		55.6	E	61.4	E			401	1145
		40.0	D					445	1190
		139.5	F					401	1145
		275.1	F	253.6	F			621	814
		220.6	F					623	816
		280.4	F					621	814
		110.9	F	129.2	F			936	1553
		87.0	F					979	1597
		265.1	F					936	1553
666603	WB I-66 off-ramp and VA-7	58.9	E	58.9	E	151.1	F	79	1004
		121.7	F	121.7	F			637	1560
		211.2	F	211.2	F			1462	1959
666604	Leesburg Pike/Haycock Road/Shreve Rd	69.9	E	86.2	F	163.3	F	69	302
		73.5	E					69	302
		111.9	F					85	446
		160.4	F	188.9	F			1519	2572
		142.2	F					1499	2573
		329.1	F					1521	2571
		148.2	F	138.3	F			219	711
		132.4	F					246	741
		121.1	F					27	185
		158.5	F	161.8	F			598	810
		142.0	F					598	810
		211.3	F					96	809
666801	N Westmoreland St/I-66 EB Off-Ramp	21.2	C	21.2	C	78.4	F	0	0
		211.0	F	225.9	F			3	92
		240.6	F	4.1	A			3	85
		4.1	A	4.1	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.4	A	0.5	A	10.5	B	0	0
		3.6	A					0	28
		21.2	C	34.8	D			70	208
		39.5	D					73	210
		0.3	A	0.4	A			0	0
		0.8	A					0	22
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	9.8	A	7.8	A	2.7	A	1	62
		6.1	A					1	62
		10.6	B					1	62
		1.9	A	2.5	A			0	45
		1.4	A					8	200
		1.2	A					6	199
4.8	A			6	202				

2016 Existing PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	10.3	B	14.9	B	26.4	C	42	230
		42.3	D					42	230
		46.8	D	42.7	D			181	733
		34.9	C					190	743
		18.2	B	19.0	B			55	275
		14.7	B					64	289
21.8	C	55	275						
32.9	C	131	347						
666902	US-29/Fairfax Dr/Washington Blvd	33.1	C	32.9	C	73.3	E	131	347
		177.4	F					2328	5302
		102.6	F	141.2	F			2328	5302
		78.3	E					2328	5302
		15.7	B	15.6	B			31	299
		7.5	A					31	299
27.1	C	25.1	C			65	345		
17.8	B					69	353		
666903	US-29/N Westmoreland St	0.0	A	17.3	B	16.4	B	65	345
		29.6	C					1	23
		5.0	A	6.4	A			1	34
		5.2	A					73	374
		2.9	A					83	396
		20.6	C					73	374
		27.8	C	50.0	D			63	437
		42.0	D					68	445
		53.9	D					63	437
		30.5	C					30.9	C
9.4	A	66	282						
666904	N Sycamore St/Washington Blvd	34.9	C	71.8	E	58.9	E	68	278
		94.0	F					216	552
		39.9	D	59.8	E			216	552
		176.3	F					216	552
		62.6	E					126	475
		19.8	B					129	482
		50.9	D	69.8	E			126	475
		68.4	E					313	608
		87.0	F					313	608
		61.1	E					318	614
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	14.8	B	14.8	B	13.8	B	15	229
		21.9	C					15	229
		15.2	B	51.5	D			12	107
		58.0	E					11	97
		10.4	B	10.3	B			50	394
		9.8	A					56	409
		0.0	A					16	88
		9.3	A					2	118
37.9	D	20.6	C	16	88				
19.1	B			35	316				
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	19.8	B	19.6	B	24.3	C	35	316
		21.7	C					35	316
		44.0	D	40.1	D			54	271
		29.0	C					59	277
		45.0	D					54	271
		18.6	B					69	432
		14.6	B	22.3	C			69	432
		33.1	C					69	432

2016 Existing PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	4.2	A	4.2	A	42.2	D	13	332
		5.3	A		13			332	
		81.9	F	81.6	F			308	419
		73.3	E		308			419	
		21.6	C	35.8	D			20	145
		86.1	F		17			137	
667102	N Glebe Rd/WB I-66 Off-Ramp	8.5	A	8.5	A	69.9	E	26	390
		110.2	F	110.2	F			510	682
		47.1	D	115.3	F			151	368
		189.3	F		149			365	
667103	N Glebe Rd/EB I-66 On-Ramp	2.8	A	5.8	A	27.9	C	10	316
		9.8	A		392			533	
		46.0	D	58.0	E			300	439
		102.6	F		332			472	
667104	N Glebe Rd/Washington Blvd	42.2	D	39.7	D	37.6	D	122	390
		37.1	D					126	398
		31.4	C					122	390
		34.1	C	38.3	D			72	298
		9.3	A					72	298
		70.7	E					72	298
		25.4	C	25.9	C			104	311
		16.9	B					105	322
		35.2	D					104	311
		48.8	D	44.0	D			150	597
		31.0	C					150	597
		42.7	D					150	597
667105	Fairfax Dr/N Glebe Rd	32.6	C	35.1	D	43.0	D	52	210
		9.8	A					34	211
		54.5	D					52	210
		40.7	D	41.0	D			105	387
		45.3	D					105	387
		27.4	C					105	387
		36.3	D	34.7	C			71	339
		31.7	C					71	339
		21.5	C					71	339
		37.2	D	66.1	E			226	572
77.1	E	225	572						
75.4	E	226	572						
667106	Fairfax Dr/N Wakefield St	0.0	A	31.7	C	12.3	B	1	23
		13.9	B					2	27
		41.3	D					1	23
		13.7	B	13.6	B			15	163
		11.0	B					15	163
		39.2	D	34.6	C			20	122
		20.2	C					22	127
		41.0	D					20	122
		4.9	A	4.9	A			11	162
3.8	A	12	176						
9.6	A	11	162						

2016 Existing PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	2.6	A	2.6	A	1.9	A	4	98
		2.5	A					0	87
		0.9	A	1.5	A			8	349
		5.4	A					8	349
667202	Lee Highway(US-29)/EB I-66 Off ramp	64.8	E	63.4	E	18.7	B	315	1067
		49.8	D					4	76
		9.4	A	9.4	A			20	185
		11.4	B					43	391
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	29.2	C	32.0	C	25.5	C	39	213
		29.0	C					39	213
		38.0	D					23	216
		21.1	C	23.0	C			57	261
		10.1	B					57	267
		36.1	D					57	261
		32.9	C	28.7	C			69	314
		14.0	B					73	320
		46.3	D					77	317
		25.8	C	24.4	C			62	281
		4.7	A					1	69
		42.0	D					23	197
2671901	Route 123/Great Falls St/Lewinsville Rd	147.0	F	143.5	F	134.7	F	1935	3292
		114.8	F					1790	3142
		172.5	F					1935	3292
		156.9	F	136.1	F			281	650
		123.8	F					281	651
		133.1	F					281	650
		105.8	F	101.1	F			741	1360
		59.2	E					1	72
		134.2	F					32	159
		223.2	F	217.8	F			400	485
205.4	F	341	461						
214.3	F	400	485						
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	124.7	F	105.7	F	133.9	F	495	995
		31.5	C					8	224
		716.9	F					2674	3738
		585.4	F	649.6	F			0	0
		0.0	A					2674	3738
		35.6	D					161	779
		119.1	F	38.3	D			161	779
		225.3	F					284	348
162.7	F	302	342						
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	91.0	F	92.9	F	55.3	E	414	924
		116.4	F					425	938
		131.6	F					30	120
		94.6	F	95.7	F			42	145
		90.1	F					42	145
		99.5	F					42	145
		13.1	B	13.5	B			70	560
		5.3	A					69	553
		106.0	F					10	52
		85.5	F	82.1	F			11	89
		9.5	A					14	105
93.0	F	72	169						

2025 Opening Year No-Build AM

2025 No-Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	41.5	D	51.8	D	46.0	D	193	551
		44.5	D					245	609
		113.9	F					193	551
		73.8	E	52.5	D			79	352
		26.7	C					32	108
		69.8	E	33.4	C			79	352
		35.0	D					117	889
		21.6	C					23	545
		140.1	F	72.7	E			17	73
		73.6	E					116	478
55.6	E	143	511						
75.7	E	116	478						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	37.5	D	39.1	D	36.9	D	202	664
		29.2	C					223	711
		62.0	E					202	664
		37.7	D	50.8	D			0	0
		29.3	C					5	89
		55.5	E	28.9	C			226	534
		29.1	C					107	714
		9.3	A					2	121
		70.6	E	20.6	C			1	28
		30.2	C					3	86
9.0	A	0	37						
39.3	D	3	86						
666203	Nutley Rd/Hermosa Dr	9.6	A	9.7	A	19.3	B	36	457
		10.8	B					36	457
		21.6	C					0	21
		0.0	A	71.2	E			36	160
		34.3	C					1	38
		81.4	F	22.9	C			36	160
		23.6	C					81	476
		11.7	B					1	100
		20.4	C	37.3	D			1	63
		0.0	A					4	63
15.6	B	13	99						
121.1	F	4	63						
666204	Nutley St/US 29	69.0	E	67.2	E	52.1	D	114	364
		42.8	D					154	412
		75.9	E					114	364
		65.4	E	68.7	E			317	1679
		47.6	D					1	93
		81.4	F	44.0	D			317	1679
		48.5	D					171	531
		14.3	B					14	210
		50.2	D	30.5	C			174	530
		56.1	E					88	575
17.4	B	118	616						
81.2	F	8	110						
666205	I66 WB Ramps/VA243	49.2	D	46.7	D	46.7	D	188	775
		44.4	D					204	695
666206	I66 EB Ramps/VA243	78.3	E	70.5	E	70.5	E	350	1042
		42.2	D					35	548

2025 No-Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	90.2	F	60.1	E	32.8	C	114	399
		23.1	C					63	400
		94.4	F					114	399
		30.3	C	30.3	C			114	634
		28.8	C					70	542
		34.0	C	84.5	F			2	64
		82.0	F					124	405
		76.8	E					140	425
		85.7	F					124	405
		12.1	B					22	368
		11.4	B	15.0	B			0	37
47.8	D	16	122						
666602	Leesburg Pike/Idlewood Road	89.1	F	61.5	E	64.2	E	252	746
		43.3	D					279	775
		95.2	F					252	746
		49.3	D	59.4	E			517	1148
		43.7	D					562	1194
		143.0	F	105.1	F			517	1148
		131.1	F					425	792
		44.8	D					457	825
		138.2	F					425	792
		56.9	E					256	860
		47.3	D	60.3	E			280	903
109.4	F	256	860						
666603	WB I-66 off-ramp and VA-7	49.0	D	49.0	D	4.6	A	19	90
		2.6	A	2.6	A			7	286
		3.6	A	3.6	A			9	369
666604	Leesburg Pike/Haycock Road/Shreve Rd	147.8	F	148.7	F	49.2	D	340	792
		150.1	F					340	792
		151.0	F					242	794
		8.5	A	21.2	C			13	339
		9.5	A					14	384
		78.6	E	47.0	D			93	635
		80.5	F					59	252
		8.7	A					83	283
		67.2	E					38	179
		34.2	C					139	665
		36.1	D	37.8	D			139	665
113.0	F	24	113						
666801	N Westmoreland St/I-66 EB Off-Ramp	0.3	A	0.3	A	7.1	A	0	0
		11.1	B	15.8	C			1	32
		17.0	C					32	326
		0.2	A	0.2	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.5	A	0.6	A	3.4	A	0	0
		2.2	A					0	46
		1.5	A	11.1	B			10	144
		12.2	B					11	146
		0.7	A	0.8	A			0	0
		0.9	A					0	0
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	191.1	F	212.7	F	22.7	C	437	479
		203.4	F					437	479
		215.0	F					437	479
		1.8	A	2.3	A			0	100
		2.4	A					0	100
		0.8	A					0	99
		1.3	A					0	102

2025 No-Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	9.2	A	19.6	B	38.4	D	92	408
		45.0	D					92	408
		39.4	D	37.7	D			124	576
		36.9	D					131	586
		56.3	E	56.6	E			172	411
		48.4	D					183	425
61.5	E	172	411						
666902	US-29/Fairfax Dr/Washington Blvd	37.3	D	36.9	D	32.3	C	194	364
		35.6	D					194	364
		38.4	D	38.1	D			109	488
		9.6	A					109	488
		43.5	D	7.2	A			109	488
		7.2	A					6	75
9.0	A	6	75						
666903	US-29/N Westmoreland St	310.6	F	309.7	F	191.0	F	1098	1165
		290.1	F					1102	1170
		0.0	A	0.0	A			1098	1165
		0.0	A					0	0
		0.0	A					0	0
		9.9	A					31	323
		7.6	A	10.6	B			38	345
		23.9	C					31	323
		53.4	D	178.5	F			109	440
		181.2	F					116	447
176.3	F	109	440						
666904	N Sycamore St/Washington Blvd	33.9	C	34.0	C	34.1	C	110	394
		12.3	B					110	397
		35.4	D	24.0	C			110	394
		27.0	C					77	520
		12.8	B					79	527
		87.5	F					77	520
		46.7	D	44.1	D			70	261
		7.6	A					71	264
		45.7	D	38.6	D			70	261
		39.7	D					93	591
		30.6	C					99	600
37.7	D	104.0	F	93	591				
104.1	F			495	714				
60.4	E			495	714				
11.3	B			14	112				
54.8	D			11	97				
7.8	A			21	324				
9.2	A	7.8	A	21	326				
0.0	A			2	44				
76.9	E			1	59				
104.2	F			2	44				
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	234.7	F	226.2	F	121.7	F	804	915
		182.8	F					804	915
		171.1	F	62.5	E			804	915
		42.9	D					90	430
		43.3	D					90	430
		90.2	F					90	430
		6.1	A	12.9	B			20	238
		4.4	A					20	238
38.5	D	20	238						

2025 No-Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	2.7	A	2.7	A	6.0	A	5	146
		3.0	A					5	146
		5.2	A	6.0	A			28	400
		12.8	B					28	400
		22.9	C					25	166
54.0	D	33.7	C	20	157				
667102	N Glebe Rd/WB I-66 Off-Ramp	15.3	B	15.3	B	20.1	C	39	310
		11.1	B	11.1	B			34	430
		21.5	C	40.2	D			118	337
		51.1	D					116	334
667103	N Glebe Rd/EB I-66 On-Ramp	0.5	A	0.7	A	6.1	A	0	0
		1.5	A					15	449
		8.9	A	9.1	A			12	332
		10.9	B					20	365
667104	N Glebe Rd/Washington Blvd	36.7	D	33.2	C	43.7	D	60	229
		24.2	C					67	241
		24.1	C					60	229
		87.7	F	83.9	F			345	882
		66.0	E					360	898
		87.6	F					345	882
		19.8	B	21.8	C			113	319
		13.6	B					102	325
		29.3	C	28.7	C			113	319
		32.6	C					48	187
		6.2	A					54	203
49.8	D	48	187						
55.7	E	87.8	F			665	835		
31.9	C			660	836				
123.5	F			665	835				
667105	Fairfax Dr/N Glebe Rd	38.7	D	24.5	C	53.9	D	16	125
		8.2	A					16	125
		29.5	C	34.0	C			16	125
		37.2	D					75	272
		36.1	D					80	279
		20.8	C	45.4	D			75	272
		54.8	D					92	335
		9.0	A					105	352
		62.7	E					92	335
		667106	Fairfax Dr/N Wakefield St	0.0	A			32.6	C
3.3	A			1	26				
37.7	D			1	22				
9.9	A			10.7	B	9	114		
25.9	C					9	114		
24.2	C			19.0	B	5	70		
13.1	B					6	73		
34.7	C					5	70		
4.3	A			4.2	A	150	471		
2.6	A					157	485		
1.9	A	150	471						

2025 No-Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	12.8	B	12.7	B	14.1	B	31	284
		12.0	B					23	273
		4.1	A	17.0	B			77	356
		35.3	D					77	356
667202	Lee Highway(US-29)/EB I-66 Off ramp	21.7	C	23.2	C	8.1	A	14	117
		43.7	D					3	64
		8.5	A	8.5	A			27	409
		5.2	A					8	219
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	33.8	C	33.3	C	25.7	C	100	389
		33.0	C					100	389
		32.9	C	26.4	C			14	145
		24.2	C					153	599
		20.3	C	22.3	C			156	609
		36.9	D					153	599
		26.3	C	21.5	C			14	137
		6.4	A					27	168
		35.8	D	21.5	C			33	185
		22.7	C					37	217
		2.7	A	21.5	C			0	63
		51.7	D					5	72
2671901	Route 123/Great Falls St/Lewinsville Rd	72.4	E	80.6	F	73.3	E	592	2628
		39.8	D					560	2640
		118.3	F	94.0	F			592	2628
		141.5	F					189	459
		24.4	C	41.8	D			189	459
		104.1	F					189	459
		53.2	D	82.5	F			124	576
		9.1	A					6	176
		83.9	F	82.5	F			13	50
		82.7	F					188	495
		65.9	E	82.5	F			0	22
		83.7	F					188	495
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	74.6	E	65.6	E	95.2	F	258	972
		15.6	B					4	103
		202.8	F	157.5	F			612	1849
		148.7	F					0	0
		0.0	A	94.4	F			612	1849
		92.2	F					266	1310
		173.5	F	76.6	E			266	1310
		35.6	D					6	73
85.1	F	104	338						
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	50.7	D	50.6	D	40.8	D	254	924
		45.3	D					270	946
		106.4	F	82.9	F			12	75
		95.4	F					108	280
		84.7	F	23.4	C			108	280
		71.4	E					108	280
		15.3	B	23.4	C			73	972
		14.7	B					78	995
		114.6	F	56.6	E			65	209
		78.8	E					2	36
		5.4	A	56.6	E			5	57
		87.7	F					32	120

2025 Opening Year No-Build PM

2025 No-Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	33.4	C	39.2	D	55.3	E	189	645
		27.7	C					237	703
		68.3	E					189	645
		86.9	F	65.8	E			116	400
		24.5	C					13	45
		83.9	F	61.3	E			116	400
		61.5	E					251	959
		43.7	D					6	156
		180.6	F	86.9	F			58	700
		89.6	F					196	494
72.9	E	224	528						
88.4	F	196	494						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	5.8	A	6.1	A	26.6	C	20	157
		2.6	A					28	204
		12.2	B					20	157
		118.1	F	145.9	F			0	0
		148.4	F					87	558
		145.0	F					382	533
		7.0	A	7.0	A			26	328
		6.2	A					0	51
		7.9	A					0	0
		71.0	E	33.4	C			5	94
12.1	B	0	46						
54.7	D	5	94						
3.1	A	17.5	B			8	106		
1.9	A			8	106				
20.4	C			1	84				
68.5	E			46	193				
80.2	F			20	177				
81.1	F			46	193				
17.7	B			150	624				
9.7	A			17.2	B	1	63		
14.7	B			50.6	D	1	50		
0.0	A					30	233		
12.7	B	44	256						
92.2	F	63.3	E	30	233				
86.9	F			170	530				
62.6	E			211	578				
104.3	F			170	530				
52.2	D			293	434				
11.6	B			104.1	F	0	49		
279.4	F			35.3	D	293	434		
31.3	C					175	494		
31.6	C					212	547		
42.1	D			57.1	E	175	494		
73.1	E	285	807						
14.2	B	320	849						
136.1	F	36.9	D	42	170				
19.9	B			24	163				
666205	I66 WB Ramps/VA243	46.8	D	26.3	C	26.3	C	133	515
666206	I66 EB Ramps/VA243	12.1	B					20	153
		40.0	D					200	779

2025 No-Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	139.3	F	113.8	F	138.7	F	139	421
		88.4	F					24	379
		124.2	F					139	421
		259.4	F	260.9	F			2048	2393
		272.1	F					1957	2301
		268.3	F					0	0
		191.9	F	195.4	F			360	628
		180.2	F					378	648
		199.6	F					360	628
		24.2	C	33.6	C			107	624
		20.2	C					8	371
84.6	F	164	559						
666602	Leesburg Pike/Idlewood Road	110.5	F	92.5	F	111.3	F	152	420
		75.5	E					176	445
		116.3	F					152	420
		119.2	F	122.2	F			640	1168
		84.6	F					684	1213
		175.9	F					640	1168
		277.6	F	222.9	F			622	799
		137.6	F					656	832
		294.7	F					622	799
		77.6	E	85.7	F			751	1533
		57.5	E					794	1576
161.7	F	751	1533						
666603	WB I-66 off-ramp and VA-7	401.4	F	401.4	F	257.4	F	5267	5302
		224.3	F	224.3	F			1212	1557
		206.9	F	206.9	F			1718	1957
666604	Leesburg Pike/Haycock Road/Shreve Rd	175.5	F	253.6	F	215.2	F	629	798
		170.3	F					629	798
		415.0	F					631	800
		219.0	F	235.5	F			1683	1885
		125.3	F					1432	1633
		382.8	F					1679	1884
		265.2	F	254.8	F			395	727
		249.0	F					424	757
		231.9	F					45	180
		152.3	F	155.8	F			615	811
		121.7	F					615	811
221.7	F	93	806						
666801	N Westmoreland St/I-66 EB Off-Ramp	0.6	A	0.6	A	46.7	E	0	0
		184.2	F	166.5	F			25	187
		144.3	F	12.8	B			8	154
		12.8	B					8	354
666802	Westmoreland St/EB I-66 off-ramp	0.4	A	0.5	A	11.8	B	0	0
		4.1	A					0	28
		29.3	D	42.0	E			106	434
		46.8	E					108	436
		0.3	A	0.4	A			0	0
		0.8	A					0	31
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	16.6	C	10.5	B	3.2	A	2	46
		7.1	A					2	46
		11.6	B					2	46
		1.5	A	2.9	A			10	244
		2.1	A					10	244
		0.9	A					9	243
		5.7	A					9	246

2025 No-Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	10.4	B	14.5	B	85.4	F	50	254
		41.3	D		50			254	
		234.1	F	226.7	F			1233	1476
		208.8	F		1244			1486	
		19.1	B	19.8	B			67	300
		14.8	B		75			313	
		22.4	C		67			300	
666902	US-29/Fairfax Dr/Washington Blvd	32.2	C	32.2	C	76.8	E	109	355
		32.4	C		109			355	
		173.0	F	145.1	F			2669	5302
		22.6	C		2669			5302	
		158.5	F		2669			5302	
		16.2	B	16.0	B			33	312
		6.5	A		33			312	
27.1	C	15.8	C		45	420			
18.3	B		50	429					
0.0	A		45	420					
44.3	D		24.8	C	1	21			
5.3	A			2	32				
4.4	A		5.4	A	37	369			
0.9	A			43	392				
18.6	B	37		369					
31.6	C	53.3	D	38	351				
43.7	D		42	359					
58.3	E		38	351					
666904	N Sycamore St/Washington Blvd	33.8	C	33.3	C	55.7	E	90	353
		9.9	A		92			356	
		36.8	D		90			353	
		86.9	F	63.9	E			187	476
		35.4	D		187			476	
		171.5	F	56.9	E			187	476
		59.5	E		123			704	
		16.6	B		124			706	
		50.9	D	68.7	E			123	704
		68.2	E		304			610	
		61.5	E		308			614	
78.2	E	304	610						
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	16.6	B	16.6	B	14.7	B	20	203
		29.8	C		20			203	
		14.3	B	53.2	D			16	147
		59.7	E		14			142	
		9.5	A	9.5	A			47	388
		13.1	B		47			388	
		0.0	A		17			112	
		14.7	B	23.0	C			5	130
37.2	D	17	112						
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	11.5	B	12.8	B	14.6	B	20	168
		9.0	A		20			175	
		23.6	C		20			168	
		40.3	D	36.4	D			41	226
		25.6	C		45			232	
		43.5	D		41			226	
		8.3	A	9.9	A			41	497
		8.5	A		41			497	
24.5	C	41	497						

2025 No-Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	3.3	A	3.4	A	6.9	A	9	320
		5.1	A		9			320	
		7.1	A		39			400	
		14.4	B	7.4	A			39	400
		22.3	C	28.6	C			23	273
		53.3	D		18			263	
667102	N Glebe Rd/WB I-66 Off-Ramp	2.4	A	2.4	A	9.7	A	10	315
		11.4	B	11.4	B			104	664
		11.5	B	39.8	D			35	176
		70.5	E		34			167	
667103	N Glebe Rd/EB I-66 On-Ramp	2.1	A	3.6	A	10.4	B	15	305
		6.1	A		208			519	
		12.0	B	19.0	B			133	425
		45.6	D		157			458	
667104	N Glebe Rd/Washington Blvd	42.8	D	39.8	D	55.2	E	144	583
		37.9	D		149			591	
		29.9	C		144			583	
		34.1	C	35.3	D			52	228
		7.0	A		52			228	
		58.1	E	29.0	C			52	228
		29.9	C		69			306	
		18.9	B		72			316	
		32.4	C	114.6	C			69	306
		111.1	F		F			494	1011
		129.9	F					494	1011
		97.7	F					494	1011
		32.9	C	32.3				D	58
10.7	B	40	288						
55.5	E	58	287						
29.8	C	52	358						
18.0	B	52	358						
21.6	C	52	358						
37.5	D	70	335						
34.0	C	70	335						
27.7	C	70	335						
31.1	C	104	271						
11.0	B	110	279						
107.2	F	104	271						
667106	Fairfax Dr/N Wakefield St	0.0	A	27.8	C	10.4	B	2	52
		10.5	B		3			56	
		33.5	C		2			52	
		10.9	B	11.0	B			22	267
		13.1	B		22			267	
		27.8	C	29.7	C			18	169
		19.1	B		21			174	
		34.9	C		18			169	
		5.2	A	5.3	A			13	173
		3.9	A		14			187	
		12.5	B		13			173	

2025 No-Build PM											
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)		
667201	Lee Highway(US-29)/WB I-66 On-Ramp	2.1	A	2.1	A	1.2	A	2	77		
		1.8	A					0	0		
		0.5	A					1	253		
667202	Lee Highway(US-29)/EB I-66 Off ramp	3.8	A	0.8	A	10.1	B	1	253		
		18.6	B					35	215		
		38.2	D					9	113		
		7.1	A					13	125		
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	7.7	A	7.7	A	25.9	C	30	437		
		28.6	C					36	256		
		29.3	C					36	256		
		40.5	D					27	147		
		17.9	B					57	306		
		15.5	B					57	316		
		43.1	D					57	306		
		34.8	C					56	296		
		18.3	B					77	327		
		48.3	D					53	299		
		25.1	C					61	371		
		4.2	A					22.9	C	0	47
2671901	Route 123/Great Falls St/Lewinsville Rd	32.9	C	32.9	C	128.2	F	19	121		
		126.5	F					2312	3295		
		85.4	F					120.6	F	2324	3307
		146.5	F					2312	3295		
		199.5	F					708	781		
		227.6	F					708	781		
		170.8	F					708	781		
		112.7	F					718	1354		
		63.8	E					109.1	F	2	96
		174.6	F					37	141		
		89.8	F					165	477		
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	52.3	D	89.2	F	64.8	E	115	453		
		92.0	F					165	477		
		77.6	E					66.1	E	683	995
		22.5	C					7	218		
		112.4	F					245	671		
		4.6	A					79.9	E	0	0
		0.0	A					245	671		
		41.9	D					44.3	D	148	827
117.0	F	148	827								
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	120.1	F	152.2	F	38.5	D	157	401		
		160.2	F					310	352		
		53.7	D					55.8	E	596	942
		59.4	E					55.8	E	615	964
		116.6	F					34	97		
		97.9	F					41	142		
		88.3	F					95.7	F	41	142
		99.9	F					41	142		
		12.7	B					13.0	B	66	383
		5.0	A					69	406		
		82.4	F					12	53		
88.2	F	8	72								
7.5	A	80.7	F	15	98						
91.8	F	65	164								

2025 Opening Year Build AM

2025 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	37.0	D					165	505
		36.3	D	47.0	D			218	563
		107.3	F					165	505
		74.1	E					99	552
		26.2	C	51.9	D			33	105
		69.4	E			43.5	D	99	552
		34.9	C					127	957
		22.5	C	33.2	C			44	694
		137.2	F					26	647
		70.1	E					106	356
		54.7	D	68.8	E			131	390
71.2	E					106	356		
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	15.2	B					88	535
		11.5	B	18.6	B			81	575
		64.9	E					88	535
		54.8	D					0	0
		379.3	F	171.5	F			138	604
		131.1	F			84.7	F	376	543
		139.8	F					328	1098
		86.3	F	138.3	F			0	61
		95.4	F					1	45
		59.6	E					6	86
		15.6	B	46.0	D			1	37
96.6	F					6	86		
666203	Nutley Rd/Hermosa Dr	17.0	B					58	386
		32.9	C	17.3	B			58	386
		54.4	D					1	37
		0.0	A					33	138
		82.3	F	76.6	E			6	90
		75.0	E			67.5	E	33	138
		103.5	F					421	662
		45.7	D	99.4	F			0	0
		49.6	D					0	88
		0.0	A					516	545
		857.4	F	987.0	F			540	568
1744.9	F					516	545		
666204	Nutley St/US 29	73.1	E					135	437
		51.1	D	71.4	E			174	485
		77.3	E					135	437
		78.3	E					265	1060
		57.2	E	81.7	F			0	0
		96.1	F			67.8	E	265	1060
		90.1	F					315	531
		29.0	C	78.0	E			80	560
		87.2	F					303	530
		49.1	D					78	455
		19.7	B	30.2	C			105	496
97.9	F					6	82		
666205	I66 WB Ramps/VA243	48.8	D	43.8	D	43.8	D	169	826
		39.4	D					180	769
666206	I66 EB Ramps/VA243	63.3	E	59.1	E	59.1	E	290	1006
		48.3	D					28	303

2025 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmit Dr	122.0	F	95.7	F	74.1	E	230	421
		77.2	E					273	502
		106.8	F					230	421
		119.8	F	119.0	F			1937	2387
		108.7	F					1845	2296
		105.9	F					0	0
		89.3	F	104.8	F			151	428
		76.0	E					167	447
		110.6	F					151	428
		8.9	A	12.9	B			15	277
		7.8	A					0	40
		59.8	E					43	251
666602	Leesburg Pike/Idlewood Road	84.4	F	58.9	E	93.0	F	171	520
		43.4	D					196	550
		81.8	F					171	520
		100.3	F	117.3	F			897	1168
		82.5	F					942	1213
		272.1	F					897	1168
		239.1	F	201.7	F			631	814
		125.4	F					665	848
		240.6	F					631	814
		48.0	D	51.0	D			206	990
		37.8	D					227	1033
		97.2	F					206	990
666603	WB I-66 off-ramp and VA-7	48.1	D	48.1	D	4.8	A	17	88
		3.0	A	3.0	A			4	142
		3.7	A	3.7	A			4	161
666604	Leesburg Pike/Haycock Road/Shreve Rd	140.7	F	142.0	F	47.0	D	195	787
		146.4	F					195	787
		144.4	F					110	717
		9.5	A	20.3	C			14	399
		9.4	A					9	307
		71.4	E					79	408
		80.0	F	47.8	D			59	282
		8.2	A					80	312
		69.3	E					44	207
		31.6	C	34.9	C			118	752
		32.0	C					118	752
		107.9	F					31	119
666801	N Westmoreland St/I-66 EB Off-Ramp	0.4	A	0.4	A	9.3	A	0	0
		13.6	B	19.1	C			2	80
		20.9	C	0.3	A			44	314
		0.3	A	0.3	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.5	A	0.6	A	4.3	A	0	0
		2.8	A					0	23
		1.7	A					10	150
		14.8	B	13.1	B			13	152
		0.8	A	0.9	A			0	0
		0.9	A					0	0
0.9	A	0	0						
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	261.8	F	265.8	F	23.6	C	434	479
		244.5	F					434	479
		271.7	F					434	479
		2.5	A	3.2	A			1	170
		3.3	A					1	170
		0.5	A					1	170
1.6	A			0	172				

2025 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	11.0	B	18.7	B	55.9	E	98	415
		37.5	D		98			415	
		57.6	E	55.4	E			345	1391
		54.4	D		354			1403	
		87.7	F	86.8	F			435	1400
		92.1	F		447			1413	
		71.2	E		435			1400	
666902	US-29/Fairfax Dr/Washington Blvd	34.3	C	32.3	C	36.2	D	179	352
		25.1	C		179			352	
		45.7	D	46.3	D			180	755
		31.8	C		180			755	
		50.0	D	16.3	B			16	188
		16.4	B		16			188	
		10.1	B		16			188	
666903	US-29/N Westmoreland St	317.6	F	316.6	F	188.0	F	1095	1172
		296.5	F		1099			1175	
		0.0	A	0.0	A			1095	1172
		0.0	A		0			0	
		0.0	A		0			0	
		14.4	B	15.1	B			59	343
		0.9	A		68			366	
		27.3	C	154.6	F			59	343
		97.1	F		302			462	
		149.0	F		310			469	
		164.6	F		302			462	
666904	N Sycamore St/Washington Blvd	35.0	C	35.9	D	40.0	D	175	396
		11.5	B		174			402	
		37.9	D	39.1	D			175	396
		47.5	D		125			421	
		14.7	B	46.2	D			130	430
		78.8	E		125			421	
		48.7	D		81			334	
		10.1	B	43.0	D			84	339
		47.2	D		81			334	
		42.8	D	43.0	D			113	604
		35.1	D		117			611	
54.5	D	113	604						
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	58.4	E	58.4	E	43.9	D	153	714
		43.9	D		153			714	
		8.5	A	64.6	E			14	111
		67.6	E		12			97	
		6.9	A	7.0	A			26	320
		9.4	A		28			328	
		0.0	A		1			46	
		196.1	F	184.3	F			14	130
145.3	F	1	46						
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	30.1	C	29.0	C	25.3	C	52	619
		22.1	C		52			619	
		21.7	C	44.9	D			52	619
		41.4	D		57			284	
		25.5	C		62			290	
		60.3	E	11.4	B			57	284
		6.5	A		22			264	
		6.6	A		22			264	
41.7	D			22	264				

2025 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	3.0	A	3.0	A	6.0	A	3	119
		3.2	A		4			123	
		5.2	A	6.2	A			17	298
		14.0	B		17			298	
		22.6	C	31.9	C			18	174
		51.0	D		14			164	
667102	N Glebe Rd/WB I-66 Off-Ramp	11.9	B	11.9	B	39.9	D	39	460
		9.0	A	9.0	A			29	250
		119.3	F	138.0	F			107	405
		149.7	F		105			402	
667103	N Glebe Rd/EB I-66 On-Ramp	0.6	A	0.7	A	5.5	A	0	88
		1.0	A	8.3	A			13	373
		8.2	A		8			284	
		9.0	A	14	317				
667104	N Glebe Rd/Washington Blvd	35.2	D	31.3	C	38.5	D	63	240
		18.1	B		73			256	
		23.6	C		63			240	
		70.0	E	66.5	E			218	782
		49.8	D		230			796	
		69.6	E		218			782	
		21.3	C	23.3	C			128	320
		16.3	B		119			326	
		31.3	C		128			320	
		32.6	C	28.5	C			46	245
		6.0	A		46			245	
		46.2	D		46			245	
667105	Fairfax Dr/N Glebe Rd	26.3	C	49.0	D	41.7	D	117	376
		8.7	A		1			56	
		74.7	E		117			376	
		41.6	D	32.8	C			68	384
		16.9	B		68			384	
		38.7	D		68			384	
		38.3	D	36.8	D			78	324
		45.5	D		82			329	
		20.7	C		78			324	
		55.0	D	45.8	D			80	278
		8.6	A		95			298	
64.1	E	80	278						
667106	Fairfax Dr/N Wakefield St	0.0	A	29.6	C	9.9	A	1	22
		8.7	A		1			25	
		35.2	D		1			22	
		11.7	B	12.3	B			22	275
		29.0	C		22			275	
		33.6	C	26.1	C			9	137
		21.1	C		12			141	
		38.8	D		9			137	
		7.1	A	6.9	A			114	466
		3.2	A		120			481	
5.9	A	114	466						

2025 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	23.0	C	23.5	C	24.4	C	126	1218
		34.7	C					115	1207
		6.2	A	26.2	C			82	357
		57.9	E					82	357
667202	Lee Highway(US-29)/EB I-66 Off ramp	34.4	C	35.1	D	14.0	B	35	148
		46.7	D					21	123
		15.2	B	8.8	A			129	431
		8.8	A					26	267
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	34.2	C	33.9	C	30.2	C	94	382
		33.4	C					94	382
		33.9	C	34.5	C			14	95
		32.0	C					312	621
		25.2	C	22.2	C			318	631
		46.3	D					312	621
		25.8	C	22.2	C			14	141
		6.6	A					27	172
		36.4	D	22.2	C			30	188
		23.1	C					42	215
		2.9	A	66.9	E			0	54
		58.0	E					10	113
2671901	Route 123/Great Falls St/Lewinsville Rd	57.5	E	66.9	E	65.9	E	351	1348
		27.9	C					301	1360
		107.6	F	89.4	F			351	1348
		138.4	F					180	463
		20.4	C	41.4	D			180	463
		98.1	F					180	463
		52.7	D	79.3	E			117	425
		8.3	A					4	131
		94.8	F	79.3	E			11	64
		79.2	E					170	481
		62.7	E	26.7	C			1	30
		80.9	F					170	481
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	29.5	C	26.7	C	72.8	E	84	322
		9.5	A					0	0
		268.5	F	213.9	F			2836	4198
		203.6	F					1786	4126
		0.0	A	58.5	E			2836	4198
		56.6	E					283	957
		130.2	F	70.0	E			283	957
		23.3	C					2	68
80.0	F	96	340						
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	50.4	D	50.5	D	42.3	D	186	676
		46.1	D					211	711
		106.1	F	83.2	F			14	48
		99.4	F					113	284
		85.0	F	26.2	C			113	284
		69.5	E					113	284
		18.9	B	26.2	C			123	976
		15.7	B					91	912
		118.3	F	55.9	E			64	211
		75.0	E					3	47
		5.0	A	55.9	E			0	0
		87.2	F					36	96

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2025 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay (sec/veh)	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	34.5	C	40.0	D	73.9	E	208	869
		29.1	C					256	927
		67.4	E					208	869
		98.8	F	72.8	E			143	676
		25.4	C					18	103
		92.9	F	104.2	F			143	676
		104.2	F					659	997
		85.0	F					113	1036
		233.4	F					318	996
		102.1	F	98.9	F			339	532
83.8	F	369	565						
100.1	F	339	532						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	5.3	A	5.8	A	28.0	C	19	167
		1.5	A					25	214
		14.4	B					19	167
		106.8	F	148.3	F			1	23
		156.4	F					83	209
		145.2	F	11.2	B			379	553
		11.3	B					24	271
		8.8	A					0	0
		10.0	A					0	0
		38.3	D	28.7	C			5	94
11.6	B	0	46						
52.9	D	5	94						
666203	Nutley Rd/Hermosa Dr	3.5	A	4.0	A	22.5	C	11	145
		1.1	A					11	145
		30.9	C					1	64
		53.9	D	79.8	E			45	243
		85.5	F					41	259
		76.5	E	23.5	C			45	243
		23.9	C					150	612
		18.0	B					0	67
		16.7	B					1	49
		0.0	A	67.7	E			40	212
17.9	B	55	236						
102.4	F	40	212						
666204	Nutley St/US 29	129.6	F	134.7	F	67.2	E	236	569
		105.3	F					280	617
		150.8	F					236	569
		49.7	D	58.7	E			155	459
		11.4	B					0	55
		118.7	F	39.8	D			155	459
		33.3	C					201	518
		37.0	D					236	571
		47.4	D					201	518
		90.2	F	73.1	E			381	1185
26.6	C	417	1226						
156.5	F	48	146						
666205	I66 WB Ramps/VA243	21.5	C	40.4	D	40.4	D	27	244
		52.4	D					148	652
666206	I66 EB Ramps/VA243	10.8	B	27.3	C	27.3	C	18	140
		41.4	D					168	788

2025 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay (sec/veh)	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	154.5	F	116.1	F	139.8	F	148	403
		77.8	E					15	403
		145.4	F					148	403
		202.6	F	203.8	F			1883	2392
		213.4	F					1792	2301
		195.3	F					0	0
		354.0	F	373.5	F			590	628
		331.5	F					609	648
		387.0	F					590	628
		24.2	C	36.1	D			95	596
		18.4	B					3	99
		99.5	F					193	680
666602	Leesburg Pike/Idlewood Road	106.7	F	73.2	E	89.4	F	144	403
		46.4	D					167	428
		109.0	F					144	403
		56.0	E	59.0	E			394	1141
		41.5	D					436	1186
		108.7	F					394	1141
		272.4	F	221.7	F			611	804
		137.8	F					644	838
		281.7	F					611	804
		85.1	F	96.5	F			768	1520
		64.2	E					811	1564
		194.8	F					768	1520
666603	WB I-66 off-ramp and VA-7	62.7	E	62.7	E	130.7	F	258	1437
		91.2	F	91.2	F			124	967
		197.2	F	197.2	F			1612	1974
666604	Leesburg Pike/Haycock Road/Shreve Rd	208.6	F	297.1	F	178.8	F	506	816
		218.1	F					506	816
		433.4	F					528	818
		151.7	F	165.9	F			555	1884
		71.1	E					565	1633
		306.7	F					780	1883
		189.8	F	176.4	F			358	745
		167.6	F					386	775
		156.9	F					47	188
		159.7	F	162.9	F			629	810
140.3	F	629	810						
221.3	F	111	808						
666801	N Westmoreland St/I-66 EB Off-Ramp	0.8	A	0.8	A	19.1	C	0	0
		59.9	F	39.6	E			30	213
		17.0	C	16.7	C			18	188
		16.7	C	16.7	C			7	240
666802	Westmoreland St/EB I-66 off-ramp	0.4	A	0.5	A	12.6	B	0	0
		4.1	A					0	23
		32.8	D	44.6	E			129	454
		49.0	E					132	456
		0.3	A					0	0
0.8	A	0.4	A	0	25				
16.8	C			2	47				
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	8.8	A	11.3	B	5.2	A	2	47
		10.9	B					2	47
		3.7	A					18	334
		3.9	A	4.9	A			18	334
		1.2	A					16	334
		7.7	A					16	336

2025 Build PM											
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay (sec/veh)	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)		
666901	US-29/Fairfax Dr/Washington Blvd	13.8	B	17.1	B	39.0	D	66	415		
		39.1	D					66	415		
		45.6	D	43.3	D			113	555		
		36.9	D					120	566		
		51.6	D					144	647		
		30.5	C	53.8	D			154	661		
		63.6	E					144	647		
666902	US-29/Fairfax Dr/Washington Blvd	23.7	C	23.7	C	32.6	C	66	347		
		24.1	C					66	347		
		46.1	D	42.7	D			170	652		
		18.7	B					170	652		
		45.9	D					170	652		
		24.7	C	24.7	C			68	444		
		22.5	C					68	444		
20.0	B	46	404								
666903	US-29/N Westmoreland St	14.9	B	18.9	B	12.7	B	48	409		
		0.0	A					46	404		
		31.6	C					0	21		
		4.3	A	17.9	B			0	32		
		4.9	A					39	366		
		3.2	A					46	388		
		18.3	B	5.8	A			39	366		
		19.2	B					26	186		
		28.8	C					41.8	D	30	193
		47.9	D					26	186		
		33.9	C	34.2	C			54.2	D	78	345
11.7	B	78	349								
38.4	D	78	345								
65.3	E	185	959								
34.9	C	185	959								
217.7	F	185	959								
60.1	E	107	431								
19.2	B	57.2	E			108	434				
53.4	D	107	431								
68.2	E	266	604								
59.6	E	69.5	E	269	608						
87.1	F	266	604								
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	16.3	B	16.3	B	16.2	B	19	212		
		15.6	B					19	212		
		10.9	B	49.0	D			15	150		
		54.9	D					14	145		
		8.5	A	8.6	A			41	392		
		12.1	B					41	392		
		0.0	A					13	137		
		27.9	C	36.2	D			4	146		
51.5	D	13	137								
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	10.8	B	12.3	B	12.5	B	23	166		
		7.8	A					25	172		
		23.6	C					23	166		
		39.3	D	34.7	C			36	162		
		22.4	C					39	168		
		44.7	D					36	162		
		7.1	A	7.8	A			23	448		
		9.1	A					23	448		
18.1	B	23	448								

2025 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay (sec/veh)	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	4.5	A	4.5	A	5.9	A	21	430
		5.6	A					21	430
		4.3	A	4.6	A			14	272
		11.9	B					14	272
		22.1	C	28.2	C			18	164
51.3	D	14	155						
667102	N Glebe Rd/WB I-66 Off-Ramp	2.5	A	2.5	A	4.3	A	8	317
		1.5	A	1.5	A			4	94
		12.6	B	35.7	D			24	143
		60.1	E					24	134
667103	N Glebe Rd/EB I-66 On-Ramp	1.1	A	1.8	A	4.1	A	6	256
		3.3	A					56	383
		5.0	A	6.9	A			17	198
		18.7	B					29	231
667104	N Glebe Rd/Washington Blvd	34.5	C	33.5	C	33.2	C	107	395
		29.1	C					112	403
		31.4	C					107	395
		33.2	C	31.8	C			49	221
		7.4	A					49	221
		45.8	D					49	221
		29.6	C	28.4	C			74	308
		21.1	C					79	318
		27.3	C					74	308
		44.9	D	38.3	D			117	563
		20.3	C					117	563
		37.9	D					117	563
667105	Fairfax Dr/N Glebe Rd	39.5	D	42.6	D	43.0	D	82	286
		15.8	B					67	288
		64.1	E					82	286
		39.2	D	39.1	D			281	391
		42.6	D					281	391
		30.7	C					281	391
		44.4	D	42.9	D			101	402
		40.9	D					101	402
		30.2	C					101	402
		36.5	D	51.4	D			150	417
15.9	B	158	425						
171.1	F	150	417						
667106	Fairfax Dr/N Wakefield St	0.0	A	33.8	C	49.5	D	3	47
		33.0	C					4	49
		34.1	C					3	47
		68.3	E	68.1	E			422	997
		56.8	E					422	997
		40.6	D	36.3	D			28	141
		23.4	C					30	145
		42.5	D					28	141
		5.6	A	6.0	A			14	203
		4.3	A					15	217
30.1	C	14	203						

2025 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay (sec/veh)	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	2.4	A	2.3	A	1.4	A	2	54
		1.9	A		0			0	
		0.6	A	0.9	A			1	91
		4.0	A		1			91	
667202	Lee Highway(US-29)/EB I-66 Off ramp	37.2	D	38.9	D	16.4	B	90	529
		46.9	D		23			256	
		9.5	A	9.5	A			18	149
		10.5	B	10.5	B			46	632
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	30.0	C	32.7	C	30.3	C	39	212
		27.8	C					39	212
		39.7	D					26	215
		22.1	C	32.5	C			113	366
		23.2	C					105	375
		68.1	E					113	366
		37.8	D	34.4	C			61	296
		21.4	C					82	327
		50.7	D					44	293
		26.8	C	25.6	C			72	422
		5.8	A					0	59
		46.9	D					20	129
2671901	Route 123/Great Falls St/Lewinsville Rd	73.1	E	71.2	E	101.4	F	1187	2651
		39.4	D					1186	2663
		111.8	F					1187	2651
		168.8	F	152.6	F			373	774
		150.4	F					373	774
		138.7	F					373	774
		109.4	F	105.3	F			744	1358
		62.0	E					2	70
		151.5	F					28	144
		94.7	F	92.8	F			178	481
57.1	E	124	457						
94.4	F	178	481						
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	28.4	C	25.1	C	47.4	D	141	875
		11.5	B					3	121
		122.8	F	91.2	F			258	624
		6.4	A					0	0
		116.6	F					258	624
		41.1	D	43.7	D			179	805
		126.5	F					179	805
115.8	F	160.0	F	119	390				
171.1	F	137.4	F	307	359				
134.2	F			118.2	F	732	934		
159.0	F					754	956		
162.0	F					18	69		
190.1	F			19.1	B	152	338		
119.3	F					152	338		
91.5	F					152	338		
15.0	B			56.8	B	79	476		
5.8	A					88	499		
93.4	F					38	146		
92.9	F	56.8	E	2	54				
4.9	A			5	80				
93.0	F			32	139				

2025 Opening Year No-Build AM

2040 No Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	24.9	C	37.0	D	45.8	D	148	544
		23.1	C					174	602
		111.1	F	57.4	E			148	544
		88.7	F					111	476
		20.1	C	44.9	D			18	86
		83.9	F					111	476
		48.7	D	75.7	E			170	974
		32.6	C					48	611
		90.3	F	13	153				
		77.8	E	144	493				
57.5	E	173	526						
78.5	E	144	493						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	18.2	B	19.4	B	29.8	C	71	508
		16.4	B					50	465
		34.8	C	115.0	F			71	508
		70.7	E					0	0
		73.7	E	15.6	B			5	86
		123.6	F					374	537
		15.5	B	28.9	C			41	309
		6.0	A					1	60
		43.5	D	1	22				
		57.7	E	5	86				
14.7	B	0	37						
50.0	D	5	86						
666203	Nutley Rd/Hermosa Dr	6.6	A	6.7	A	15.2	B	14	334
		6.8	A					14	334
		19.8	B	70.5	E			1	39
		0.0	A					37	133
		31.6	C	17.5	B			1	45
		82.3	F					37	133
		18.1	B	30.4	C			46	416
		8.2	A					1	80
		19.0	B	0	24				
		43.7	D	5	46				
12.8	B	11	70						
99.0	F	5	46						
666204	Nutley St/US 29	72.7	E	70.8	E	73.3	E	142	466
		48.6	D					185	514
		76.9	E	134.5	F			142	466
		132.5	F					1165	1710
		113.5	F	43.9	D			1	79
		144.2	F					1165	1710
		50.1	D	30.6	C			147	531
		14.1	B					14	179
		49.9	D	129	530				
		54.7	D	90	523				
18.1	B	121	564						
83.3	F	7	47						
666205	I66 WB Ramps/VA243	48.2	D	32.1	C	32.1	C	146	451
		16.7	B					56	467
666206	I66 EB Ramps/VA243	39.4	D	36.3	D	36.3	D	117	606
		28.3	C					28	166

2040 No Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	114.3	F	93.8	F	63.2	E	140	433
		78.6	E					99	515
		103.6	F					140	433
		77.5	E	76.5	E			265	1220
		65.0	E					199	1128
		58.0	E					0	23
		71.8	E	78.2	E			93	336
		67.8	E					106	355
		80.7	F					93	336
		35.3	D	35.9	D			165	1079
		26.1	C					1	53
52.1	D	14	171						
666602	Leesburg Pike/Idlewood Road	86.8	F	63.5	E	109.5	F	297	770
		48.3	D					324	799
		98.2	F					297	770
		87.4	F	95.8	F			684	1151
		89.2	F					729	1196
		162.3	F					684	1151
		188.4	F	153.5	F			434	792
		83.6	F					465	825
		186.9	F					434	792
		134.5	F	138.8	F			795	1537
		125.3	F					836	1580
198.2	F	795	1537						
666603	WB I-66 off-ramp and VA-7	54.5	D	54.5	D	27.9	C	21	96
		11.7	B	11.7	B			306	1553
		46.1	D	46.1	D			300	1757
666604	Leesburg Pike/Haycock Road/Shreve Rd	186.9	F	190.4	F	86.2	F	526	792
		189.5	F					526	792
		199.1	F					387	794
		71.2	E	86.5	F			870	1885
		65.9	E					821	1633
		159.7	F					1051	1884
		80.6	F	48.2	D			79	301
		13.7	B					103	331
		69.4	E					42	205
		45.1	D	48.0	D			191	804
		43.3	D					191	804
122.3	F	39	191						
666801	N Westmoreland St/I-66 EB Off-Ramp	4.8	A	4.8	A	15.5	C	0	0
		21.9	C	27.6	D			3	58
		29.4	D					65	395
		0.3	A	0.3	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.5	A	0.6	A	4.6	A	0	0
		2.5	A					0	50
		2.1	A	14.6	B			21	204
		16.3	C					24	205
		0.8	A	0.9	A			0	0
		1.0	A					0	0
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	170.5	F	211.3	F	20.6	C	434	479
		192.6	F					434	479
		217.4	F					434	479
		0.6	A	1.6	A			0	0
		1.9	A					0	0
		0.7	A					0	0
0.9	A			0	0				

2040 No Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	15.2	B	15.8	B	30.9	C	69	433
		18.1	B					69	433
		45.0	D	40.5	D			308	994
		38.4	D					316	1004
		38.5	D	37.7	D			116	315
		65.2	E					125	329
		21.6	C					116	315
666902	US-29/Fairfax Dr/Washington Blvd	38.2	D	38.8	D	31.1	C	214	366
		41.3	D					214	366
		33.4	C	32.9	C			97	498
		12.1	B					97	498
		36.5	D					97	498
		6.8	A	7.0	A			6	100
		14.7	B					6	100
666903	US-29/N Westmoreland St	278.7	F	277.6	F	198.8	F	1082	1181
		253.1	F					1087	1187
		0.0	A	0.0	A			1082	1181
		0.0	A					0	0
		0.0	A					0	0
		6.7	A	8.3	A			14	212
		4.2	A					18	234
		33.2	C	396.3	F			14	212
		50.0	D					346	462
		394.9	F					353	469
400.6	F	346	462						
666904	N Sycamore St/Washington Blvd	35.4	D	35.9	D	40.1	D	206	401
		11.7	B					205	406
		38.3	D	47.6	D			206	401
		50.9	D					153	456
		40.7	D					153	456
		54.2	D	43.4	D			153	456
		46.8	D					71	263
		7.2	A	36.1	D			73	266
		42.9	D					71	263
		37.3	D					86	593
27.6	C	90	599						
36.1	D			86	593				
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	74.4	E	74.4	E	52.8	D	224	718
		33.5	C					224	718
		12.1	B	55.1	E			15	113
		74.4	E					11	97
		7.4	A	7.4	A			31	341
		8.7	A					33	345
		30.4	C					9	148
		150.0	F	125.3	F			40	240
37.8	D	9	148						
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	70.9	E	68.1	E	49.6	D	340	907
		57.3	E					340	907
		49.5	D	43.1	D			340	907
		42.7	D					55	255
		23.7	C					62	264
		54.8	D	20.8	C			55	255
		11.9	B					30	216
		8.3	A					30	216
38.9	D			30	216				

2040 No Build AM													
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)				
667101	N Glebe Rd/15th St N	2.8	A	2.8	A	7.3	A	6	232				
		3.6	A					7	240				
		6.0	A	6.7	A			24	331				
		12.4	B					24	331				
		29.6	C	41.5	D			30	153				
		56.7	E					26	144				
667102	N Glebe Rd/WB I-66 Off-Ramp	4.9	A	4.9	A	9.2	A	11	239				
		4.8	A	4.8	A			17	214				
		12.2	B	37.1	D			64	259				
		54.1	D					60	252				
667103	N Glebe Rd/EB I-66 On-Ramp	0.4	A	0.9	A	4.4	A	1	105				
		2.2	A	6.6	A			24	321				
		5.9	A					7	227				
		10.1	B	13	260								
667104	N Glebe Rd/Washington Blvd	37.3	D	34.9	C	60.8	E	78	288				
		33.0	C					84	296				
		24.0	C	78	288								
		141.8	F	137.8	F			674	894				
		119.2	F					674	894				
		139.8	F					674	894				
		24.6	C	25.1	C			95	308				
		12.6	B					97	318				
		28.6	C	28.6	C			95	308				
		32.6	C					46	197				
		6.7	A	28.6	C			53	213				
		47.7	D					46	197				
		667105	Fairfax Dr/N Glebe Rd	33.1	C			48.3	D	52.4	D	98	284
				8.9	A							3	174
71.1	E			29.1	C	98	284						
42.6	D					40	269						
12.1	B			77.6	E	40	269						
28.8	C					40	269						
52.3	D			77.6	E	117	417						
223.3	F					122	423						
23.6	C			51.0	D	117	417						
48.2	D					89	309						
52.9	D			51.0	D	98	320						
63.4	E	89	309										
667106	Fairfax Dr/N Wakefield St	26.9	C	17.5	B	8.8	A	3	43				
		9.5	A					3	45				
		43.0	D	13.6	B			3	43				
		12.7	B					18	208				
		32.1	C	31.1	C			18	208				
		11.8	B					9	85				
		16.3	B	31.1	C			7	89				
		37.8	D					9	85				
		4.5	A	4.5	A			84	482				
		3.9	A					88	497				
		15.8	B	84	482								

2040 No Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	12.8	B	12.7	B	13.9	B	21	218
		8.8	A					14	207
		3.2	A					92	363
		43.2	D					92	363
667202	Lee Highway(US-29)/EB I-66 Off ramp	29.0	C	31.8	C	13.1	B	11	187
		42.8	D					8	134
		14.9	B					55	431
		6.7	A					14	223
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.6	D	31.4	C	30.3	C	109	383
		35.9	D					109	383
		35.0	C					12	177
		30.1	C					122	599
		23.6	C					124	609
		37.5	D					122	599
		25.4	C					14	121
		6.5	A					27	151
		40.8	D					30	289
		28.7	C					53	226
		3.2	A					1	81
		65.8	E					19	196
2671901	Route 123/Great Falls St/Lewinsville Rd	123.5	F	115.6	F	115.8	F	1070	2637
		46.7	D					1061	2649
		129.7	F					1070	2637
		196.3	F					715	782
		110.0	F					715	782
		146.0	F					715	782
		90.2	F					401	1352
		32.6	C					4	149
		95.8	F					8	49
		169.6	F					372	479
		155.5	F					1	25
		164.7	F					372	479
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	110.0	F	96.5	F	118.2	F	379	977
		22.2	C					9	179
		347.4	F					3265	5302
		265.4	F					0	0
		0.0	A					3265	5302
		53.1	D					223	983
		121.6	F					223	983
		45.7	D					5	83
91.3	F	144	344						
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	157.1	F	160.5	F	75.2	E	813	937
		182.7	F					834	960
		173.2	F					6	72
		99.6	F					106	281
		85.9	F					106	281
		75.3	E					106	281
		7.9	A					37	596
		17.0	B					43	619
		114.6	F					46	121
		85.3	F					2	45
6.1	A	5	70						
86.4	F	32	101						

2040 Opening Year No-Build PM

2040 No Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	36.5	D	41.5	D	54.2	D	184	744
		29.1	C					232	802
		67.5	E					184	744
		92.1	F	68.2	E			105	420
		23.4	C					16	86
		88.2	F	54.1	D			105	420
		54.6	D					190	817
		34.7	C					6	108
		180.0	F	92.3	F			84	820
		95.4	F					267	499
		76.4	E					297	532
93.9	F			267	499				
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	5.9	A	8.1	A	24.7	C	25	171
		2.4	A					24	218
		44.3	D					25	171
		111.2	F	110.9	F			2	22
		104.8	F					33	147
		112.2	F	17.6	B			246	515
		17.7	B					167	847
		15.5	B					0	72
		11.3	B	32.3	C			0	0
		55.9	E					3	90
		12.2	B					0	42
57.6	E			3	90				
666203	Nutley Rd/Hermosa Dr	3.4	A	4.2	A	19.4	B	9	158
		1.7	A					9	158
		40.8	D					1	48
		39.0	D	79.2	E			49	210
		77.6	E					8	69
		79.6	E	20.0	B			49	210
		20.3	C					258	629
		14.9	B					1	61
		17.0	B	48.6	D			2	70
		0.0	A					23	172
		11.0	B					36	196
88.8	F			23	172				
666204	Nutley St/US 29	78.4	E	84.2	F	86.3	F	170	453
		52.7	D					210	501
		99.0	F					170	453
		88.1	F	173.7	F			337	502
		42.6	D					0	55
		465.2	F	35.2	D			337	502
		26.8	C					198	516
		31.1	C					237	569
		42.5	D	98.0	F			198	516
		117.1	F					648	1299
		42.4	D					688	1341
179.2	F			28	124				
666205	I66 WB Ramps/VA243	19.2	B	34.3	C	34.3	C	27	225
		46.4	D					121	510
666206	I66 EB Ramps/VA243	14.1	B	25.7	C	25.7	C	24	178
		36.0	D					117	789

2040 No Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	126.4	F	104.4	F	150.3	F	267	403
		70.1	E					152	484
		121.1	F					267	403
		201.4	F	202.5	F			1982	2408
		209.6	F					1891	2317
		178.5	F					1	43
		398.6	F	424.3	F			586	629
		379.5	F					606	648
		446.9	F					586	629
		43.6	D	55.5	E			215	1145
		38.3	D					22	661
106.2	F	190	1102						
666602	Leesburg Pike/Idlewood Road	159.2	F	98.3	F	111.7	F	235	574
		47.3	D					258	600
		170.9	F					235	574
		73.1	E	80.7	F			578	1155
		70.6	E					621	1200
		163.9	F					578	1155
		225.4	F	184.6	F			592	792
		127.2	F					625	826
		228.0	F					592	792
		117.0	F	127.2	F			975	1553
		92.4	F					1018	1597
208.1	F	975	1553						
666603	WB I-66 off-ramp and VA-7	123.1	F	123.1	F	117.5	F	232	1554
		17.9	B	17.9	B			83	1142
		211.9	F	211.9	F			1514	1957
666604	Leesburg Pike/Haycock Road/Shreve Rd	209.9	F	285.9	F	160.2	F	572	802
		204.4	F					572	802
		465.3	F					608	803
		57.6	E	71.7	E			47	664
		19.5	B					355	1635
		151.2	F					538	1886
		381.3	F	381.9	F			587	727
		416.7	F					616	757
		319.6	F					220	726
		141.5	F	140.9	F			602	811
		129.5	F					602	811
140.0	F	30	210						
666801	N Westmoreland St/I-66 EB Off-Ramp	0.7	A	0.7	A	38.1	E	0	0
		93.4	F	61.9	F			60	307
		30.6	D	45.9	E			34	287
		45.9	E					136	707
666802	Westmoreland St/EB I-66 off-ramp	0.4	A	0.7	A	15.8	C	0	0
		4.2	A					0	25
		42.2	E					197	439
		58.2	F	53.9	F			200	441
		0.3	A	0.4	A			0	0
		0.8	A					0	22
13.9	B	9.1	A			1	46		
6.5	A			1	46				
10.2	B			4.0	A	1	46		
2.5	A					11	272		
1.9	A					11	272		
1.3	A					8	214		
7.3	A	10	274						

2040 No Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	12.2	B	20.1	C	78.3	E	65	250
		61.5	E					65	250
		194.7	F					1075	1475
		172.0	F	188.1	F			1085	1486
		28.8	C	30.8	C			106	447
		24.1	C					112	460
		36.4	D					106	447
31.5	C	31.7	C			116	355		
666902	US-29/Fairfax Dr/Washington Blvd	32.5	C	47.1	D	35.9	D	116	355
		50.4	D					346	1802
		21.0	C					346	1802
		52.2	D	21.5	C			346	1802
		21.7	C	21.5	C			88	427
		8.6	A					88	427
		34.7	C					54	407
23.6	C	59	416						
666903	US-29/N Westmoreland St	0.0	A	32.3	C	20.3	C	54	407
		35.6	D					0	21
		5.2	A					0	32
		4.6	A	5.9	A			50	369
		4.4	A					58	392
		21.7	C					50	369
		34.6	C					64	303
		64.1	E	69.8	E			69	310
		73.4	E					64	303
		40.2	D					121	386
666904	N Sycamore St/Washington Blvd	13.4	B	40.1	D	54.1	D	122	390
		44.9	D					121	386
		63.6	E					215	700
		32.3	C	53.5	D			215	700
		160.8	F					215	700
		95.4	F					157	624
		45.7	D					159	626
		83.1	F	92.4	F			157	624
		38.5	D					128	604
		32.3	C					129	608
		52.5	D	39.2	D			128	604
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	24.1	C	24.1	C	19.9	B	19	253
		30.4	C					19	253
		13.2	B					11	147
		64.2	E	57.0	E			11	142
		9.1	A	9.2	A			56	389
		15.8	B					56	389
		0.0	A					15	101
		43.7	D					41.8	D
38.5	D	41.8	D	15	101				
13.5	B			15.8	B	35	290		
12.3	B					36	296		
25.1	C	35	290						
39.6	D	41	233						
25.1	C	35.7	D			46	239		
43.0	D	41	233						
10.6	B	11.4	B			30	359		
10.5	B			30	359				
18.0	B			30	359				

2040 No Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	5.1	A	5.2	A	6.3	A	39	450
		6.7	A					45	473
		4.6	A	4.9	A			16	207
		14.1	B					16	207
		22.2	C	28.7	C			28	220
		52.6	D					21	202
667102	N Glebe Rd/WB I-66 Off-Ramp	3.0	A	3.0	A	5.0	A	7	239
		1.6	A	1.6	A			4	122
		12.2	B	35.6	D			42	199
		57.7	E					39	190
667103	N Glebe Rd/EB I-66 On-Ramp	1.1	A	1.5	A	5.0	A	5	254
		2.9	A	9.3	A			60	382
		7.1	A					16	141
		21.9	C	29	171				
667104	N Glebe Rd/Washington Blvd	36.7	D	35.4	D	39.5	D	124	530
		31.4	C					129	538
		31.5	C	31.8	C			124	530
		32.9	C					48	231
		8.5	A	30.2	C			48	231
		45.7	D					48	231
		31.1	C	30.2	C			72	305
		21.7	C					75	315
		31.9	C	72	305				
		65.9	E	58.5	E			372	1011
		37.1	D					372	1011
58.5	E	372	1011						
667105	Fairfax Dr/N Glebe Rd	32.8	C	35.0	C	32.4	C	57	274
		11.8	B					35	276
		51.7	D	24.7	C			57	274
		37.1	D					59	384
		16.3	B	41.1	D			59	384
		23.8	C					59	384
		42.1	D	41.1	D			86	312
		37.6	D					86	312
		39.1	D	86	312				
		31.4	C	27.3	C			60	265
		11.9	B					61	273
58.0	E	60	265						
667106	Fairfax Dr/N Wakefield St	0.0	A	28.8	C	11.1	B	2	48
		10.7	B					2	52
		33.4	C	11.0	B			2	48
		10.9	B					15	196
		14.4	B	31.1	C			15	196
		40.0	D					26	213
		21.8	C	31.1	C			30	219
		35.9	D					26	213
		5.1	A	5.2	A			13	187
		5.3	A					14	201
9.0	A	13	187						

2040 No Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	1.8	A	1.8	A	1.4	A	2	84
		2.0	A					0	73
		0.6	A					2	115
		7.9	A					2	115
667202	Lee Highway(US-29)/EB I-66 Off ramp	18.2	B	20.4	C	7.3	A	25	280
		35.4	D					7	71
		6.8	A					16	142
		4.3	A					18	170
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	29.8	C	33.6	C	25.4	C	40	320
		29.5	C					40	320
		41.2	D					22	181
		14.4	B					65	344
		12.1	B	19.8	B			63	354
		40.7	D	65	344				
		36.3	D	61	292				
		20.0	C	33.5	C			82	323
		51.1	D	64	295				
		25.6	C	72	346				
		5.3	A	23.8	C			1	72
		36.0	D	18	130				
2671901	Route 123/Great Falls St/Lewinsville Rd	69.1	E	71.8	E	129.1	F	385	2573
		56.2	E					368	2585
		109.3	F					385	2573
		293.7	F	731	770				
		369.3	F	315.6	F			731	770
		248.4	F	731	770				
		101.6	F	717	1358				
		56.6	E	96.8	F			1	47
		132.0	F	27	116				
		201.2	F	387	481				
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	156.6	F	193.8	F	96.7	F	332	457
		190.8	F					387	481
		64.5	E	54.0	D			236	977
		21.6	C					11	275
		318.9	F	299.2	F			4910	5313
		234.1	F	0	0				
		347.5	F	4910	5313				
		54.8	D	57.6	E			219	920
133.7	F	219	920						
176.6	F	317	390						
235.1	F	318	359						
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	24.6	C	27.4	C	25.7	C	158	923
		19.4	B					171	945
		97.4	F					34	112
		91.4	F	93.8	F			38	141
		94.0	F	38	141				
		93.8	F	38	141				
		10.3	B	11.0	B			46	350
		5.3	A	53	373				
		111.4	F	12	66				
		87.0	F	10	102				
5.9	A	80.8	F	18	128				
90.5	F	69	202						

2040 Opening Year Build AM

2040 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	29.6	C	43.0	D	50.7	D	192	634
		26.7	C					231	692
		124.2	F					192	634
		92.1	F	59.4	E			131	599
		20.0	B					20	105
		86.1	F					131	599
		54.1	D	50.3	D			220	963
		38.4	D					73	965
		95.3	F					7	78
		80.3	F	77.9	E			131	494
		58.6	E					159	528
80.7	F	131	494						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	20.2	C	21.4	C	30.2	C	98	645
		13.0	B					107	686
		37.4	D					98	645
		46.4	D	115.7	F			0	0
		72.6	E					3	74
		124.0	F					381	520
		14.4	B	14.4	B			55	414
		6.1	A					1	73
		33.5	C					0	21
		24.7	C	24.7	C			5	88
		10.8	B					0	39
55.6	E	5	88						
666203	Nutley Rd/Hermosa Dr	8.0	A	8.1	A	16.4	B	25	387
		8.4	A					25	387
		16.4	B					0	21
		0.0	A	72.2	E			37	136
		35.9	D					7	109
		81.7	F					37	136
		18.9	B	18.3	B			139	661
		9.7	A					0	46
		20.3	C					0	23
		69.4	E	29.0	C			11	52
		12.4	B					22	76
108.4	F	11	52						
666204	Nutley St/US 29	72.3	E	70.5	E	66.1	E	136	532
		48.9	D					179	580
		77.1	E					136	532
		106.0	F	109.4	F			1226	1704
		89.6	F					0	31
		122.4	F					1226	1704
		51.5	D	44.0	D			215	506
		15.0	B					27	256
		49.6	D					177	504
		55.3	E	31.4	C			89	405
		19.1	B					120	446
81.2	F	5	66						
666205	I66 WB Ramps/VA243	48.4	D	32.7	C	32.7	C	215	798
		17.5	B					56	278
666206	I66 EB Ramps/VA243	44.2	D	40.3	D	40.3	D	114	733
		29.5	C					25	195

2040 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	79.2	E	59.1	E	43.8	D	95	311
		37.8	D					51	393
		76.6	E					95	311
		42.8	D	42.5	D			150	982
		37.4	D					97	891
		42.4	D					2	45
		68.5	E	72.1	E			89	354
		61.7	E					103	373
		73.9	E					89	354
		32.9	C	34.2	C			171	1138
		27.4	C					1	69
55.6	E	16	146						
666602	Leesburg Pike/Idlewood Road	86.7	F	58.6	E	87.4	F	185	610
		41.6	D					211	639
		89.8	F					185	610
		73.3	E	80.9	F			491	1168
		71.8	E					532	1213
		142.6	F					491	1168
		141.3	F	115.3	F			402	829
		53.4	D					433	863
		147.9	F					402	829
		99.5	F	102.4	F			716	1513
		77.0	E					759	1556
156.8	F	716	1513						
666603	WB I-66 off-ramp and VA-7	48.0	D	48.0	D	10.7	B	21	87
		10.8	B	10.8	B			46	967
		8.4	A	8.4	A			15	335
666604	Leesburg Pike/Haycock Road/Shreve Rd	159.0	F	161.7	F	77.8	E	530	798
		160.4	F					530	798
		168.4	F					449	800
		66.8	E	81.1	F			236	1333
		64.1	E					269	1082
		152.0	F					406	1332
		72.2	E	43.6	D			64	256
		11.2	B					87	286
		64.8	E					45	241
		36.7	D	40.0	D			156	735
		38.8	D					156	735
106.5	F	34	142						
666801	N Westmoreland St/I-66 EB Off-Ramp	10.7	B	10.7	B	27.6	D	0	0
		39.1	E	45.0	E			22	382
		47.1	E	104	496				
		0.5	A	0.5	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.5	A	0.7	A	5.2	A	0	0
		2.8	A					0	53
		2.5	A	16.0	C			21	225
		18.4	C					23	227
		1.1	A	1.0	A			0	0
		1.0	A					0	0
4.5	A	0	157						
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	66.8	F	68.1	F	11.4	B	125	479
		62.1	F					125	479
		69.4	F					125	479
		5.3	A	5.6	A			0	158
		5.8	A					0	158
		4.5	A					0	157
		1.9	A					0	160

2040 Build AM													
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)				
666901	US-29/Fairfax Dr/Washington Blvd	12.6	B	13.4	B	31.7	C	62	364				
		16.6	B					62	364				
		31.5	C					134	586				
		28.7	C	29.6	C			142	597				
		52.3	D	51.3	D			162	827				
		82.8	F					173	841				
		33.3	C					162	827				
30.1	C	198	348										
666902	US-29/Fairfax Dr/Washington Blvd	33.8	C	30.7	C	66.2	E	198	348				
		92.4	F	111.3	F			693	780				
		100.8	F					693	780				
		139.6	F					693	780				
		12.6	B	12.7	B			14	152				
		14.5	B					14	152				
		242.1	F					241.0	F	1073	1185		
218.8	F	1076	1189										
0.0	A	1073	1185										
666903	US-29/N Westmoreland St	0.0	A	0.0	A	155.6	F	0	0				
		0.0	A	15.7	B			40	319				
		13.6	B					48	342				
		6.2	A					40	319				
		45.0	D	95.8	F			88	384				
		64.4	E					95	391				
		94.7	F					88	384				
		97.5	F					88	384				
		666904	N Sycamore St/Washington Blvd	36.6	D			35.8	D	43.3	D	185	396
				14.5	B							182	402
37.3	D			185	396								
71.6	E			57.2	E	183	332						
25.1	C					192	342						
68.3	E			43.4	D	183	332						
46.9	D					75	327						
7.7	A					76	330						
45.9	D			39.5	D	75	327						
39.1	D					80	535						
30.1	C	85	543										
52.6	D	80	535										
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	68.3	E	68.3	E	47.6	D	192	715				
		52.0	D					192	715				
		11.4	B	51.8	D			15	113				
		70.7	E					11	97				
		7.0	A					24	323				
		10.4	B	7.1	A			26	328				
		40.2	D					0	81				
		107.5	F	93.9	F			31	179				
35.6	D	54.8	D	0	81								
57.3	E			195	885								
44.9	D			195	885								
36.0	D			195	885								
41.1	D			44.2	D	60	299						
23.5	C					66	307						
58.7	E					60	299						
12.7	B			17.5	B	34	214						
9.7	A	34	214										
31.3	C	34	214										

2040 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	4.1	A	4.1	A	6.6	A	5	139
		4.9	A					6	149
		5.4	A	6.1	A			17	386
		12.1	B					17	386
		20.8	C	32.3	C			14	137
		54.1	D					14	138
667102	N Glebe Rd/WB I-66 Off-Ramp	5.0	A	5.0	A	9.0	A	18	311
		5.2	A	5.2	A			16	261
		11.1	B	37.2	D			58	199
		55.8	E					56	197
667103	N Glebe Rd/EB I-66 On-Ramp	0.4	A	0.5	A	4.1	A	0	43
		1.5	A	6.1	A			13	179
		6.1	A					7	222
		7.5	A	6.3	A			11	255
667104	N Glebe Rd/Washington Blvd	36.3	D	33.3	C	41.7	D	72	249
		25.3	C					83	263
		24.0	C					72	249
		78.5	E	74.5	E			468	909
		57.1	E					484	927
		77.6	E					468	909
		23.9	C	24.5	C			94	306
		19.3	B					99	319
		27.5	C					94	306
		31.2	C	26.9	C			43	188
		6.1	A					43	188
		42.4	D					43	188
		23.7	C					38.0	D
8.0	A	2	213						
667105	Fairfax Dr/N Glebe Rd	58.5	E	36.7	D	37.4	D	95	318
		47.0	D					89	385
		18.6	B					89	385
		39.0	D	34.2	C			89	385
		37.9	D					67	262
		36.2	D	71	267				
		20.6	C	67	262				
		52.1	D	41.3	D			59	204
		8.9	A					72	221
		64.9	E					59	204
667106	Fairfax Dr/N Wakefield St	37.3	D	16.8	B	10.0	B	3	75
		9.6	A					4	76
		40.5	D					3	75
		14.2	B	15.1	B			29	335
		29.5	C					29	335
		30.6	C	36.1	D			11	92
		19.0	B					13	95
		40.2	D					11	92
		4.5	A	4.4	A			86	464
		3.3	A					90	478
13.0	B	86	464						

2040 Build AM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	7.7	A	7.8	A	11.5	B	18	227
		8.0	A					11	216
		4.3	A	19.6	B			114	365
		51.2	D					114	365
667202	Lee Highway(US-29)/EB I-66 Off ramp	26.7	C	29.9	C	9.2	A	19	111
		44.9	D					8	86
		9.0	A	6.4	A			14	239
		6.4	A					16	248
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	35.1	D	35.0	D	28.1	C	96	389
		34.8	C					96	389
		35.4	D					13	92
		26.1	C	27.9	C			133	601
		22.5	C					137	611
		35.5	D					133	601
		26.6	C	23.5	C			17	98
		6.9	A					32	129
		36.9	D					21	166
		28.5	C	26.8	C			49	213
		3.1	A					0	31
		61.9	E					15	115
2671901	Route 123/Great Falls St/Lewinsville Rd	110.1	F	108.2	F	114.7	F	577	1964
		40.9	D					542	1975
		135.7	F					577	1964
		185.4	F	138.3	F			309	646
		89.6	F					309	646
		145.6	F					309	646
		101.2	F	87.5	F			369	1352
		39.3	D					2	121
		110.6	F					7	52
		175.7	F	172.6	F			376	495
		156.3	F					0	23
171.2	F	376	495						
107.5	F	249	950						
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	20.5	C	95.0	F	78.5	E	0	52
		134.6	F					1167	2725
		69.6	E	89.9	F			19	965
		0.0	A					1167	2725
		50.5	D	52.2	D			263	1124
		115.1	F					263	1124
		46.0	D	78.7	E			14	272
		87.8	F					118	340
2671903	Route 123/Scotts Crossing Rd/Colshire Dr	162.8	F	165.8	F	76.5	E	806	942
		185.4	F					841	978
		176.0	F					14	67
		121.4	F	87.3	F			114	312
		87.3	F					114	312
		76.0	E					114	312
		8.6	A	13.4	B			42	404
		16.1	B					17	340
		114.7	F					49	140
		80.3	F	50.5	D			2	46
		5.7	A					0	0
87.9	F	35	96						

2040 Opening Year Build PM

2040 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666201	Nutley Rd/Virginia Center Blvd/Marshall Rd SW	37.5	D	42.4	D	63.9	E	224	787
		33.2	C					273	845
		66.8	E					224	787
		104.0	F	80.4	F			146	657
		26.0	C					22	91
		104.1	F					146	657
		72.5	E	71.6	E			393	1002
		52.4	D					196	1051
		192.8	F					179	1004
		107.9	F	104.8	F			279	531
		90.8	F					308	565
105.6	F	279	531						
666202	Nutley Rd/Saintsbury Dr/Swanee Ln	5.7	A	7.0	A	24.8	C	16	164
		2.3	A					25	211
		33.8	C					16	164
		113.8	F	147.1	F			0	0
		140.2	F					46	163
		148.8	F					386	533
		11.7	B	11.6	B			73	672
		10.3	B					0	63
		14.5	B					0	46
		35.2	D	29.0	C			4	90
		10.8	B					0	42
56.2	E	4	90						
666203	Nutley Rd/Hermosa Dr	3.1	A	4.0	A	16.5	B	7	165
		1.5	A					7	165
		40.0	D					7	63
		69.6	E	80.6	F			52	209
		79.5	E					4	45
		80.8	F					52	209
		15.9	B	15.6	B			127	625
		10.4	B					1	57
		18.2	B					1	45
		0.0	A	49.0	D			28	190
		13.5	B					41	214
89.6	F	28	190						
666204	Nutley St/US 29	119.6	F	126.0	F	108.7	F	221	569
		94.9	F					265	617
		144.2	F					221	569
		143.2	F	234.5	F			1026	1678
		91.6	F					0	0
		541.6	F					1026	1678
		26.7	C	33.9	C			173	541
		24.2	C					204	594
		43.8	D					173	541
		133.9	F	115.7	F			656	1353
		64.7	E					695	1394
198.1	F	27	136						
666205	I66 WB Ramps/VA243	22.0	C	38.5	D	38.5	D	39	304
		50.3	D					151	585
666206	I66 EB Ramps/VA243	14.1	B	27.5	C	27.5	C	24	221
		39.3	D					235	795

2040 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666601	Leesburg Pike/Pimmite Dr	135.9	F	120.4	F	158.8	F	180	409
		92.8	F					71	490
		133.6	F					180	409
		220.3	F	221.0	F			2151	2387
		225.6	F					2060	2295
		202.2	F					0	0
		395.6	F	416.0	F			592	629
		365.2	F					611	648
		437.6	F					592	629
		40.3	D	53.3	D			130	848
		33.6	C					13	505
109.2	F	360	1136						
666602	Leesburg Pike/Idlewood Road	100.4	F	75.8	E	123.8	F	186	505
		53.2	D					210	530
		105.0	F					186	505
		95.1	F	99.6	F			684	1168
		69.9	E					729	1214
		163.4	F					684	1168
		233.6	F	190.5	F			603	796
		130.6	F					636	830
		238.5	F					603	796
		127.8	F	142.9	F			974	1551
		101.4	F					1017	1595
252.9	F	974	1551						
666603	WB I-66 off-ramp and VA-7	103.6	F	103.6	F	186.5	F	1144	2250
		142.2	F	142.2	F			1276	1575
		265.7	F	265.7	F			1724	1974
666604	Leesburg Pike/Haycock Road/Shreve Rd	238.6	F	328.1	F	248.3	F	656	816
		232.9	F					656	816
		541.2	F					658	818
		225.3	F	231.3	F			1707	2404
		105.4	F					1455	2152
		375.4	F					1706	2403
		413.0	F	431.2	F			673	736
		513.1	F					703	766
		317.0	F					299	730
		168.3	F	171.8	F			603	815
147.0	F	603	815						
226.4	F	140	807						
666801	N Westmoreland St/I-66 EB Off-Ramp	0.6	A	0.6	A	4.3	A	0	0
		18.0	C	15.6	C			2	51
		11.7	B	2.2	A			1	58
		2.2	A	2.2	A			0	0
666802	Westmoreland St/EB I-66 off-ramp	0.4	A	0.7	A	5.8	A	0	0
		4.7	A					1	65
		7.8	A					26	300
		20.8	C	17.2	C			28	302
		0.9	A	0.9	A			0	0
		0.9	A					0	22
0.9	A	0	22						
666803	Washington Blvd/25th St N/I-66 WB On-Ramp	18.0	C	11.8	B	4.7	A	2	72
		7.9	A					2	72
		13.1	B					2	72
		2.7	A	4.2	A			11	250
		3.2	A					11	250
		1.3	A					9	250
7.6	A			11	252				

2040 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
666901	US-29/Fairfax Dr/Washington Blvd	14.2	B	20.8	C	42.5	D	70	359
		55.9	E					70	359
		43.4	D	40.0	D			89	499
		32.3	C					94	510
		63.2	E	66.7	E			117	451
		41.5	D					126	465
		76.9	E					117	451
666902	US-29/Fairfax Dr/Washington Blvd	24.8	C	25.0	C	36.3	D	102	350
		26.0	C					102	350
		54.3	D	50.0	D			241	925
		21.5	C					241	925
		54.8	D	23.8	C			241	925
		24.0	C					67	431
		15.0	B					67	431
666903	US-29/N Westmoreland St	31.6	C	30.7	C	18.4	B	49	444
		27.6	C					49	444
		0.0	A	16.2	B			49	444
		26.5	C					1	21
		5.8	A	6.4	A			1	32
		5.2	A					66	393
		3.5	A					74	416
		23.0	C	51.2	D			66	393
		31.1	C					40	240
		37.6	D					45	248
59.1	E	40	240						
666904	N Sycamore St/Washington Blvd	39.8	D	41.7	D	60.0	E	126	391
		12.0	B					127	395
		48.9	D	60.0	E			126	391
		69.7	E					186	638
		37.0	D	102.0	F			186	638
		183.8	F					186	638
		105.1	F					280	711
		59.6	E	45.6	D			282	713
		92.7	F					280	711
		45.7	D					114	606
33.5	C	115	610						
55.4	E			114	606				
666905	N Sycamore St/WB I-66 Off-Ramp/Metro Entrance	24.6	C	24.6	C	18.9	B	24	236
		25.5	C					24	236
		12.5	B	64.7	E			15	150
		73.2	E					14	145
		7.8	A	7.9	A			52	389
		12.1	B					52	389
		0.0	A	41.5	D			27	249
		41.0	D					42	340
42.2	D	27	249						
666906	N Sycamore St/N 19th Street/EB I-66 On-Ramp	11.5	B	12.6	B	14.1	B	25	221
		10.0	B					25	221
		21.8	C	36.1	D			25	221
		39.2	D					41	191
		25.7	C	9.4	A			45	197
		44.3	D					41	191
		7.9	A					38	527
		8.4	A					38	527
26.5	C			38	527				

2040 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667101	N Glebe Rd/15th St N	5.9	A	6.0	A	6.5	A	28	547
		6.7	A		29			554	
		4.4	A	4.6	A			14	254
		12.2	B	28.5	C			14	254
		21.7	C					25	193
52.4	D	19	182						
667102	N Glebe Rd/WB I-66 Off-Ramp	3.1	A	3.1	A	4.5	A	11	273
		1.7	A	1.7	A			3	168
		11.6	B	37.5	D			28	177
		61.1	E					30	168
667103	N Glebe Rd/EB I-66 On-Ramp	1.1	A	1.4	A	4.9	A	4	254
		2.8	A					42	382
		7.5	A	9.0	A			9	171
		19.1	B					19	198
667104	N Glebe Rd/Washington Blvd	34.9	C	34.0	C	37.1	D	111	484
		26.6	C					116	492
		32.9	C					111	484
		33.1	C	32.0	C			49	235
		8.1	A					49	235
		45.4	D					49	235
		29.8	C	29.0	C			97	308
		20.6	C					101	318
		31.0	C					97	308
		60.3	E	52.5	D			211	823
		30.7	C					211	823
		51.9	D					211	823
32.0	C	64	245						
667105	Fairfax Dr/N Glebe Rd	14.3	B	35.1	D	37.0	D	44	246
		51.7	D					64	245
		45.7	D					107	385
		23.4	C	34.3	C			107	385
		40.3	D					107	385
		46.0	D	45.4	D			95	391
		43.3	D					95	391
		43.8	D					95	391
		41.1	D	33.4	C			84	309
		16.4	B					91	317
65.7	E	84	309						
667106	Fairfax Dr/N Wakefield St	0.0	A	28.7	C	12.8	B	3	52
		15.2	B					4	55
		32.5	C					3	52
		13.2	B	13.3	B			30	352
		17.3	B					30	352
		34.5	C	34.4	C			37	328
		26.6	C					41	334
		38.7	D					37	328
		5.2	A	5.3	A			25	351
		4.5	A					27	365
13.4	B	25	351						

2040 Build PM									
Node	Intersection	Movement Delay (sec/veh)	Movement LOS	Approach Delay (sec/veh)	Approach LOS	Intersection Delay	Intersection LOS	Avg. Queue (ft)	Max. Queue (ft)
667201	Lee Highway(US-29)/WB I-66 On-Ramp	1.8	A	1.8	A	1.5	A	2	106
		2.3	A					0	95
		0.5	A					3	115
		9.5	A					3	115
667202	Lee Highway(US-29)/EB I-66 Off ramp	21.7	C	23.5	C	13.5	B	47	521
		33.4	C					11	83
		8.9	A					25	199
		13.3	B					48	299
667203	Lee Highway(US-29)/N Kirkwood Rd/Spout Run Pkwy	27.0	C	30.7	C	24.9	C	38	305
		27.2	C					38	305
		37.7	D					22	125
		12.1	B					59	356
		7.7	A	16.3	B			55	366
		34.1	C					59	356
		34.2	C					53	290
		18.7	B					73	320
		48.1	D	31.6	C			77	299
		27.4	C					82	426
		6.3	A					1	50
		72.9	E					35	421
2671901	Route 123/Great Falls St/Lewinsville Rd	92.6	F	91.4	F	135.4	F	2331	4196
		70.5	E					2343	4207
		121.9	F					2331	4196
		292.5	F					729	769
		365.4	F	314.5	F			729	769
		252.4	F					729	769
		99.8	F					726	1358
		56.6	E					1	69
		130.3	F	95.6	F			28	117
		199.7	F					389	481
		151.3	F					333	457
		192.0	F					389	481
2671902	Route 123/Anderson Rd/VA-267 EB off Ramp	53.3	D	44.8	D	82.3	F	124	738
		16.7	B					9	191
		210.3	F	186.3	F			937	1996
		117.2	F					0	0
		224.3	F					937	1996
		68.2	E					231	877
		143.9	F	70.6	E			231	877
		164.4	F					42	386
215.5	F	318	359						
117.5	F	76.0	E			559	934		
131.4	F			119.8	F	577	956		
156.9	F					14	52		
266.1	F					169	394		
153.2	F					169	394		
129.6	F			155.0	F	169	394		
14.0	B					68	375		
8.8	A					19.2	B	78	398
113.4	F							43	160
94.4	F			2	65				
5.2	A			5	91				
95.0	F			58.7	E	41	116		

Additional Intersection Overall Performance

2016 Existing Year

Int. ID	Intersection	Existing (2016) AM		Existing (2016) PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
6201	Nutley St & Marshall Rd/Virginia Center Blvd	38.0	D	48.8	D
6202	Nutley St & Saintsbury Dr	11.1	B	15.2	B
6203	Nutley St & Hermosa Dr	13.3	B	14.6	B
6204	Nutley St & US 29	59.2	E	59.1	E
6601	Pimmit Dr & VA-7	40.6	D	64.2	E
6602	Idylwood Road & VA-7	70.8	E	67.4	E
6603	WB I-66 Off-Ramp & VA-7	5.6	A	15.3	B
6604	Shreve Rd/Haycock Rd & VA-7	49.8	D	62.6	E
9003	Westmoreland Street & Williamsburg Blvd	14.9	B	16.1	B
6901	US-29 & Washington Blvd	39.8	D	30.9	C
6902	US-29 & Fairfax Dr	36.6	D	32.2	C
6903	US-29 & Westmoreland Street	24.2	C	17.7	B
6904	Sycamore Street & Washington Blvd	63.0	E	47.4	D
6905	Sycamore Street & WB I-66 Off-Ramp	10.2	B	19.0	B
6906	Sycamore Street & EB I-66 On-Ramp	35.5	D	22.4	C
2906	US-29 & Sycamore Street	22.8	C	26.7	C
7101	N Glebe Rd & 15th St N	6.6	A	6.5	A
7102	N Glebe Rd & WB I-66 Off-Ramp	22.6	C	10.7	B
7103	N Glebe Rd & EB I-66 On-Ramp	4.6	A	7.7	A
7104	N Glebe Rd & Washington Blvd	39.9	D	44.6	D
7105	N Glebe Rd & Fairfax Dr	39.0	D	46.3	D
7106	Wakefield St & Fairfax Dr	7.2	A	6.9	A
7201	US-29 & WB I-66 On-Ramp	21.9	C	3.0	A
7202	US-29 & EB I-66 Off-Ramp	12.2	B	22.5	C
7203	US-29 & Spout Run Pkwy	20.5	C	40.0	D
1901	VA-123 & Lewinsville Rd	68.2	E	67.7	E
1902	VA-123 & Anderson Rd/SR 267 EB Off-Ramp	41.2	D	51.0	D
2912	N Scott St & US-29	21.2	C	19.6	B
2913	N Fort Meyer Dr & US-29 Eastbound	18.5	B	23.0	C
2914	N Fort Meyer Dr & US-29 Westbound	18.7	B	22.3	C
2915	N Lynn St & US-29 Eastbound	21.1	C	19.1	B
2916	N Lynn St & US-29 Westbound	16.9	B	32.3	C
9701	VA-7 & Ramada Rd/Lisle Ave	37.0	D	45.7	D
2901	US-29 & West St	26.7	C	38.9	D
2902	US-29 & W Annandale Rd	22.9	C	18.2	B
2903	US-29 & VA-7	29.7	C	35.4	D
2907	US-29 & N Harrison St	32.4	C	49.8	D

Int. ID	Intersection	Existing (2016) AM		Existing (2016) PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
2908	US-29 & Old Dominion Dr	29.8	C	19.2	B
8004	N George Mason Dr & Wilson Blvd	37.3	D	67.1	E
2376	Washington Blvd & Quincy St	22.1	C	23.6	C
2373	Washington Blvd & Patrick Henry Dr	22.1	C	50.1	D
2374	Washington Blvd & George Mason Dr	31.6	C	41.5	D
9707	VA-7 & Hillwood Avenue	30.6	C	28.5	C
9708	EB VA-7 & US-50	56.8	E	52.5	D
9709	WB VA-7 & US-50	29.5	C	31.5	C
5004	VA-7, US-50 & Sleepy Hollow Road	124.9	F	81.8	F
8001	Wilson Boulevard & US-50	13.1	B	16.1	B
5005	US-50 & S. Carlin Springs Road	44.1	D	21.9	C
5006	US-50 & N. Carlin Springs Road	15.3	B	40.2	D
5007	US-50 & S. George Mason Drive	53.5	D	25.8	C
5008	US-50 & N. George Mason Drive	30.1	C	29.1	C
5009	US-50 & S. Glebe Road	27.5	C	14.9	B
5010	US-50 & N. Glebe Road	16.3	B	28.9	C
8006	Wilson Boulevard & N 10th Street	22.2	C	24.2	C
2372	Fairfax Drive & N. Kirkwood Drive	17.4	B	25.7	C
2377	Washington Boulevard & N. Kirkwood Rd	20.8	C	20.9	C
9706	VA-7 & West Street	54.5	D	46.6	D
5001	US-50 (Arlington Boulevard) & Jaguar Trail	44.1	D	31.3	C
5002	US-50 & Graham Road	64.4	E	76.3	E
5003	US-50 & Annandale Road	56.5	E	51.9	D
5011	US-50 & N. Fillmore Street	36.3	D	50.2	D
1232	VA-123 (Dolley Madison Boulevard) & Old Dominion Drive	41.0	D	50.9	D
1233	VA-123 (Dolley Madison Boulevard) & Churchill Road	42.2	D	30.2	C
1234	VA-123 (Dolley Madison Boulevard) & Georgetown Pike	41.6	D	32.5	C
1235	VA-123 (Dolley Madison Boulevard) & Kirby Road	19.7	B	22.8	C
2378	Washington Boulevard & 10th Street	24.3	C	22.3	C
2371	Fairfax Drive & N. Quincy Street	22.1	C	33.4	C
3091	Old Dominion Drive & Chain Bridge Road	52.2	D	45.5	D
3099	Old Dominion Drive & Kirby Road	11.5	B	13.7	B
3093	Old Dominion Drive & Williamsburg Boulevard	38.2	D	36.6	D
3094	Old Dominion Drive & N. Glebe Road	33.8	C	34.1	C
8002	Wilson Boulevard & Roosevelt Boulevard	24.1	C	27.4	C
8003	Wilson Boulevard & Patrick Henry Drive	9.9	A	11.6	B
8005	Wilson Boulevard & N Glebe Road	37.3	D	34.7	C

Int. ID	Intersection	Existing (2016) AM		Existing (2016) PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
9001	Westmoreland Street & Chain Bridge Road	23.0	C	39.9	D
9002	Westmoreland Street & Kirby Road	33.7	C	44.0	D

2025 Opening Year No-Build

Int. ID	Intersection	2025 No-Build AM		2025 No-Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
6201	Nutley St & Marshall Rd/Virginia Center Blvd	40.3	D	50.8	D
6202	Nutley St & Saintsbury Dr	14.5	B	15.9	B
6203	Nutley St & Hermosa Dr	15.6	B	21.8	C
6204	Nutley St & US 29	77.5	E	78.9	E
6601	Pimmit Dr & VA-7	47.9	D	85.5	F
6602	Idylwood Road & VA-7	70.9	E	74.4	E
6603	WB I-66 Off-Ramp & VA-7	5.2	A	26.7	C
6604	Shreve Rd/Haycock Rd & VA-7	51.8	D	70.3	E
9003	Westmoreland Street & Williamsburg Blvd	16.8	B	17.6	B
6901	US-29 & Washington Blvd	44.2	D	29.2	C
6902	US-29 & Fairfax Dr	32.1	C	35.2	D
6903	US-29 & Westmoreland Street	24.3	C	20.9	C
6904	Sycamore Street & Washington Blvd	60.0	E	58.1	E
6905	Sycamore Street & WB I-66 Off-Ramp	8.9	A	18.0	B
6906	Sycamore Street & EB I-66 On-Ramp	39.1	D	21.3	C
2906	US-29 & Sycamore Street	23.0	C	27.4	C
7101	N Glebe Rd & 15th St N	6.5	A	6.0	A
7102	N Glebe Rd & WB I-66 Off-Ramp	22.2	C	5.4	A
7103	N Glebe Rd & EB I-66 On-Ramp	4.6	A	7.5	A
7104	N Glebe Rd & Washington Blvd	38.6	D	45.5	D
7105	N Glebe Rd & Fairfax Dr	39.8	D	50.0	D
7106	Wakefield St & Fairfax Dr	7.4	A	7.3	A
7201	US-29 & WB I-66 On-Ramp	25.1	C	0.8	A
7202	US-29 & EB I-66 Off-Ramp	11.8	B	35.2	D
7203	US-29 & Spout Run Pkwy	20.5	C	38.9	D
1901	VA-123 & Lewinsville Rd	69.9	E	72.3	E
1902	VA-123 & Anderson Rd/SR 267 EB Off-Ramp	53.2	D	40.7	D
2912	N Scott St & US-29	21.2	C	21.4	C
2913	N Fort Meyer Dr & US-29 Eastbound	18.9	B	23.6	C
2914	N Fort Meyer Dr & US-29 Westbound	18.8	B	22.7	C
2915	N Lynn St & US-29 Eastbound	21.7	C	19.7	B
2916	N Lynn St & US-29 Westbound	17.7	B	37.7	D
9701	VA-7 & Ramada Rd/Lisle Ave	40.2	D	50.9	D
2901	US-29 & West St	28.6	C	41.3	D
2902	US-29 & W Annandale Rd	23.4	C	18.7	B
2903	US-29 & VA-7	32.3	C	36.1	D
2907	US-29 & N Harrison St	33.6	C	52.0	D
2908	US-29 & Old Dominion Dr	31.9	C	20.7	C
8004	N George Mason Dr & Wilson Blvd	37.5	D	67.1	E

Int. ID	Intersection	2025 No-Build AM		2025 No-Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
2376	Washington Blvd & Quincy St	23.0	C	25.0	C
2373	Washington Blvd & Patrick Henry Dr	25.0	C	62.8	E
2374	Washington Blvd & George Mason Dr	33.2	C	43.0	D
9707	VA-7 & Hillwood Avenue	31.1	C	29.1	C
9708	EB VA-7 & US-50	57.2	E	53.7	D
9709	WB VA-7 & US-50	30.5	C	32.2	C
5004	VA-7, US-50 & Sleepy Hollow Road	134.8	F	76.2	E
8001	Wilson Boulevard & US-50	13.9	B	20.0	B
5005	US-50 & S. Carlin Springs Road	47.1	D	22.1	C
5006	US-50 & N. Carlin Springs Road	15.4	B	41.8	D
5007	US-50 & S. George Mason Drive	57.4	E	31.9	C
5008	US-50 & N. George Mason Drive	33.6	C	30.3	C
5009	US-50 & S. Glebe Road	31.7	C	15.0	B
5010	US-50 & N. Glebe Road	16.1	B	28.9	C
8006	Wilson Boulevard & N 10th Street	22.5	C	24.8	C
2372	Fairfax Drive & N. Kirkwood Drive	17.7	B	26.6	C
2377	Washington Boulevard & N. Kirkwood Rd	23.6	C	22.8	C
9706	VA-7 & West Street	62.9	E	53.6	D
5001	US-50 (Arlington Boulevard) & Jaguar Trail	46.2	D	32.1	C
5002	US-50 & Graham Road	68.1	E	79.9	E
5003	US-50 & Annandale Road	59.0	E	57.9	E
5011	US-50 & N. Fillmore Street	44.6	D	58.9	E
1232	VA-123 (Dolley Madison Boulevard) & Old Dominion Drive	43.5	D	53.7	D
1233	VA-123 (Dolley Madison Boulevard) & Churchill Road	36.5	D	30.5	C
1234	VA-123 (Dolley Madison Boulevard) & Georgetown Pike	42.9	D	32.6	C
1235	VA-123 (Dolley Madison Boulevard) & Kirby Road	21.1	C	25.2	C
2378	Washington Boulevard & 10th Street	24.8	C	22.5	C
2371	Fairfax Drive & N. Quincy Street	22.1	C	33.4	C
3091	Old Dominion Drive & Chain Bridge Road	52.1	D	44.6	D
3099	Old Dominion Drive & Kirby Road	11.8	B	14.1	B
3093	Old Dominion Drive & Williamsburg Boulevard	47.0	D	42.6	D
3094	Old Dominion Drive & N. Glebe Road	35.0	C	35.0	D
8002	Wilson Boulevard & Roosevelt Boulevard	26.3	C	28.9	C
8003	Wilson Boulevard & Patrick Henry Drive	10.5	B	11.9	B
8005	Wilson Boulevard & N Glebe Road	37.2	D	34.8	C
9001	Westmoreland Street & Chain Bridge Road	24.4	C	43.7	D
9002	Westmoreland Street & Kirby Road	34.6	C	45.1	D

2025 Opening Year Build

Int. ID	Intersection	2025 Build AM		2025 Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
6201	Nutley St & Marshall Rd/Virginia Center Blvd	39.5	D	49.7	D
6202	Nutley St & Saintsbury Dr	12.2	B	13.2	B
6203	Nutley St & Hermosa Dr	16.4	B	24.3	C
6204	Nutley St & US 29	73.4	E	73.9	E
6601	Pimmit Dr & VA-7	42.8	D	97.6	F
6602	Idylwood Road & VA-7	75.2	E	84.3	F
6603	WB I-66 Off-Ramp & VA-7	5.1	A	21.2	C
6604	Shreve Rd/Haycock Rd & VA-7	50.2	D	77.6	E
9003	Westmoreland Street & Williamsburg Blvd	18.0	B	17.1	B
6901	US-29 & Washington Blvd	46.5	D	31.2	C
6902	US-29 & Fairfax Dr	33.7	C	37.2	D
6903	US-29 & Westmoreland Street	27.1	C	18.6	B
6904	Sycamore Street & Washington Blvd	58.5	E	58.0	E
6905	Sycamore Street & WB I-66 Off-Ramp	7.6	A	17.8	B
6906	Sycamore Street & EB I-66 On-Ramp	32.4	C	19.0	B
2906	US-29 & Sycamore Street	23.3	C	27.1	C
7101	N Glebe Rd & 15th St N	6.7	A	5.9	A
7102	N Glebe Rd & WB I-66 Off-Ramp	20.3	C	4.8	A
7103	N Glebe Rd & EB I-66 On-Ramp	3.5	A	6.0	A
7104	N Glebe Rd & Washington Blvd	38.1	D	43.5	D
7105	N Glebe Rd & Fairfax Dr	43.2	D	72.1	E
7106	Wakefield St & Fairfax Dr	8.1	A	9.3	A
7201	US-29 & WB I-66 On-Ramp	23.2	C	0.9	A
7202	US-29 & EB I-66 Off-Ramp	12.0	B	36.7	D
7203	US-29 & Spout Run Pkwy	22.1	C	44.1	D
1901	VA-123 & Lewinsville Rd	69.0	E	72.9	E
1902	VA-123 & Anderson Rd/SR 267 EB Off-Ramp	44.9	D	40.7	D
2912	N Scott St & US-29	20.8	C	20.7	C
2913	N Fort Meyer Dr & US-29 Eastbound	18.2	B	21.7	C
2914	N Fort Meyer Dr & US-29 Westbound	19.1	B	22.3	C
2915	N Lynn St & US-29 Eastbound	19.9	B	19.3	B
2916	N Lynn St & US-29 Westbound	16.6	B	37.2	D
9701	VA-7 & Ramada Rd/Lisle Ave	39.3	D	52.8	D
2901	US-29 & West St	28.3	C	40.8	D
2902	US-29 & W Annandale Rd	23.5	C	18.3	B
2903	US-29 & VA-7	32.6	C	34.3	C
2907	US-29 & N Harrison St	32.4	C	52.1	D
2908	US-29 & Old Dominion Dr	31.4	C	20.7	C
8004	N George Mason Dr & Wilson Blvd	37.5	D	69.5	E

Int. ID	Intersection	2025 Build AM		2025 Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
2376	Washington Blvd & Quincy St	23.3	C	26.2	C
2373	Washington Blvd & Patrick Henry Dr	24.8	C	55.0	E
2374	Washington Blvd & George Mason Dr	31.9	C	38.7	D
9707	VA-7 & Hillwood Avenue	31.1	C	29.0	C
9708	EB VA-7 & US-50	57.1	E	53.8	D
9709	WB VA-7 & US-50	30.4	C	32.1	C
5004	VA-7, US-50 & Sleepy Hollow Road	136.3	F	76.0	E
8001	Wilson Boulevard & US-50	14.1	B	19.5	B
5005	US-50 & S. Carlin Springs Road	42.0	D	22.2	C
5006	US-50 & N. Carlin Springs Road	15.5	B	42.3	D
5007	US-50 & S. George Mason Drive	55.9	E	29.2	C
5008	US-50 & N. George Mason Drive	35.5	D	30.4	C
5009	US-50 & S. Glebe Road	36.8	D	15.3	B
5010	US-50 & N. Glebe Road	16.8	B	31.5	C
8006	Wilson Boulevard & N 10th Street	22.7	C	27.9	C
2372	Fairfax Drive & N. Kirkwood Drive	17.9	B	28.4	C
2377	Washington Boulevard & N. Kirkwood Rd	24.6	C	24.8	C
9706	VA-7 & West Street	57.6	E	48.9	D
5001	US-50 (Arlington Boulevard) & Jaguar Trail	44.5	D	30.9	C
5002	US-50 & Graham Road	65.4	E	75.2	E
5003	US-50 & Annandale Road	58.1	E	56.7	E
5011	US-50 & N. Fillmore Street	48.1	D	55.8	E
1232	VA-123 (Dolley Madison Boulevard) & Old Dominion Drive	43.3	D	52.5	D
1233	VA-123 (Dolley Madison Boulevard) & Churchill Road	34.1	C	29.9	C
1234	VA-123 (Dolley Madison Boulevard) & Georgetown Pike	42.2	D	31.8	C
1235	VA-123 (Dolley Madison Boulevard) & Kirby Road	22.1	C	23.5	C
2378	Washington Boulevard & 10th Street	24.9	C	22.8	C
2371	Fairfax Drive & N. Quincy Street	22.7	C	41.8	D
3091	Old Dominion Drive & Chain Bridge Road	52.0	D	47.7	D
3099	Old Dominion Drive & Kirby Road	12.0	B	13.7	B
3093	Old Dominion Drive & Williamsburg Boulevard	51.1	D	38.0	D
3094	Old Dominion Drive & N. Glebe Road	35.1	D	34.6	C
8002	Wilson Boulevard & Roosevelt Boulevard	27.5	C	29.4	C
8003	Wilson Boulevard & Patrick Henry Drive	10.4	B	11.8	B
8005	Wilson Boulevard & N Glebe Road	38.4	D	37.3	D
9001	Westmoreland Street & Chain Bridge Road	23.7	C	42.7	D
9002	Westmoreland Street & Kirby Road	34.5	C	44.8	D

2040 Design Year No-Build

Int. ID	Intersection	2040 No-Build AM		2040 No-Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
6201	Nutley St & Marshall Rd/Virginia Center Blvd	43.2	D	54.0	D
6202	Nutley St & Saintsbury Dr	11.9	B	16.2	B
6203	Nutley St & Hermosa Dr	13.0	B	14.8	B
6204	Nutley St & US 29	56.9	E	71.8	E
6601	Pimmit Dr & VA-7	52.7	D	128.1	F
6602	Idylwood Road & VA-7	76.2	E	151.9	F
6603	WB I-66 Off-Ramp & VA-7	6.6	A	19.8	B
6604	Shreve Rd/Haycock Rd & VA-7	56.4	E	92.9	F
9003	Westmoreland Street & Williamsburg Blvd	21.3	C	22.0	C
6901	US-29 & Washington Blvd	36.9	D	28.2	C
6902	US-29 & Fairfax Dr	33.2	C	45.2	D
6903	US-29 & Westmoreland Street	23.9	C	21.2	C
6904	Sycamore Street & Washington Blvd	58.8	E	60.7	E
6905	Sycamore Street & WB I-66 Off-Ramp	8.3	A	18.2	B
6906	Sycamore Street & EB I-66 On-Ramp	47.0	D	21.7	C
2906	US-29 & Sycamore Street	20.7	C	28.7	C
7101	N Glebe Rd & 15th St N	9.2	A	6.7	A
7102	N Glebe Rd & WB I-66 Off-Ramp	11.8	B	6.1	A
7103	N Glebe Rd & EB I-66 On-Ramp	5.8	A	7.6	A
7104	N Glebe Rd & Washington Blvd	42.7	D	48.7	D
7105	N Glebe Rd & Fairfax Dr	35.5	D	42.4	D
7106	Wakefield St & Fairfax Dr	8.7	A	8.3	A
7201	US-29 & WB I-66 On-Ramp	25.6	C	1.3	A
7202	US-29 & EB I-66 Off-Ramp	7.0	A	16.8	B
7203	US-29 & Spout Run Pkwy	25.2	C	41.1	D
1901	VA-123 & Lewinsville Rd	84.8	F	100.2	F
1902	VA-123 & Anderson Rd/SR 267 EB Off-Ramp	59.9	E	75.0	E
2912	N Scott St & US-29	18.3	B	22.6	C
2913	N Fort Meyer Dr & US-29 Eastbound	21.8	C	20.0	B
2914	N Fort Meyer Dr & US-29 Westbound	15.7	B	24.4	C
2915	N Lynn St & US-29 Eastbound	22.4	C	23.3	C
2916	N Lynn St & US-29 Westbound	18.5	B	19.9	B
9701	VA-7 & Ramada Rd/Lisle Ave	46.9	D	62.5	E
2901	US-29 & West St	30.6	C	46.7	D
2902	US-29 & W Annandale Rd	24.8	C	19.9	B
2903	US-29 & VA-7	35.2	D	37.1	D
2907	US-29 & N Harrison St	35.4	D	69.8	E
2908	US-29 & Old Dominion Dr	37.3	D	24.6	C
8004	N George Mason Dr & Wilson Blvd	31.7	C	43.0	D

Int. ID	Intersection	2040 No-Build AM		2040 No-Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
2376	Washington Blvd & Quincy St	25.1	C	28.5	C
2373	Washington Blvd & Patrick Henry Dr	35.2	D	88.2	F
2374	Washington Blvd & George Mason Dr	37.3	D	45.4	D
9707	VA-7 & Hillwood Avenue	19.3	B	22.3	C
9708	EB VA-7 & US-50	39.5	D	44.0	D
9709	WB VA-7 & US-50	26.7	C	30.9	C
5004	VA-7, US-50 & Sleepy Hollow Road	136.1	F	78.9	E
8001	Wilson Boulevard & US-50	15.8	B	18.0	B
5005	US-50 & S. Carlin Springs Road	52.6	D	22.5	C
5006	US-50 & N. Carlin Springs Road	15.5	B	45.0	D
5007	US-50 & S. George Mason Drive	64.5	E	45.4	D
5008	US-50 & N. George Mason Drive	43.4	D	32.0	C
5009	US-50 & S. Glebe Road	42.2	D	17.5	B
5010	US-50 & N. Glebe Road	15.9	B	29.0	C
8006	Wilson Boulevard & N 10th Street	22.9	C	26.1	C
2372	Fairfax Drive & N. Kirkwood Drive	18.0	B	27.0	C
2377	Washington Boulevard & N. Kirkwood Rd	38.6	D	29.6	C
9706	VA-7 & West Street	90.5	F	70.9	E
5001	US-50 (Arlington Boulevard) & Jaguar Trail	50.2	D	34.1	C
5002	US-50 & Graham Road	75.6	E	85.3	F
5003	US-50 & Annandale Road	60.9	E	58.1	E
5011	US-50 & N. Fillmore Street	64.5	E	79.1	E
1232	VA-123 (Dolley Madison Boulevard) & Old Dominion Drive	46.7	D	55.1	E
1233	VA-123 (Dolley Madison Boulevard) & Churchill Road	53.3	D	28.4	C
1234	VA-123 (Dolley Madison Boulevard) & Georgetown Pike	45.6	D	35.6	D
1235	VA-123 (Dolley Madison Boulevard) & Kirby Road	23.7	C	24.7	C
2378	Washington Boulevard & 10th Street	25.9	C	23.0	C
2371	Fairfax Drive & N. Quincy Street	22.1	C	33.4	C
3091	Old Dominion Drive & Chain Bridge Road	43.7	D	49.8	D
3099	Old Dominion Drive & Kirby Road	12.4	B	14.6	B
3093	Old Dominion Drive & Williamsburg Boulevard	73.3	E	68.2	E
3094	Old Dominion Drive & N. Glebe Road	37.7	D	37.2	D
8002	Wilson Boulevard & Roosevelt Boulevard	31.8	C	33.3	C
8003	Wilson Boulevard & Patrick Henry Drive	11.8	B	12.6	B
8005	Wilson Boulevard & N Glebe Road	34.4	C	36.1	D
9001	Westmoreland Street & Chain Bridge Road	23.2	C	54.9	D
9002	Westmoreland Street & Kirby Road	36.1	D	45.5	D

2040 Design year Build

Int. ID	Intersection	2040 Build AM		2040 Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
6201	Nutley St & Marshall Rd/Virginia Center Blvd	43.7	D	53.7	D
6202	Nutley St & Saintsbury Dr	12.5	B	17.8	B
6203	Nutley St & Hermosa Dr	14.2	B	14.6	B
6204	Nutley St & US 29	62.6	E	78.4	E
6601	Pimmit Dr & VA-7	48.8	D	122.9	F
6602	Idylwood Road & VA-7	73.2	E	145.2	F
6603	WB I-66 Off-Ramp & VA-7	5.8	A	19.0	B
6604	Shreve Rd/Haycock Rd & VA-7	55.0	D	88.3	F
9003	Westmoreland Street & Williamsburg Blvd	22.3	C	19.9	B
6901	US-29 & Washington Blvd	33.4	C	28.6	C
6902	US-29 & Fairfax Dr	34.7	C	32.4	C
6903	US-29 & Westmoreland Street	23.6	C	19.2	B
6904	Sycamore Street & Washington Blvd	58.4	E	58.6	E
6905	Sycamore Street & WB I-66 Off-Ramp	8.4	A	16.1	B
6906	Sycamore Street & EB I-66 On-Ramp	38.4	D	32.1	C
2906	US-29 & Sycamore Street	27.4	C	25.1	C
7101	N Glebe Rd & 15th St N	7.7	A	6.4	A
7102	N Glebe Rd & WB I-66 Off-Ramp	12.2	B	5.8	A
7103	N Glebe Rd & EB I-66 On-Ramp	3.9	A	7.2	A
7104	N Glebe Rd & Washington Blvd	38.4	D	47.1	D
7105	N Glebe Rd & Fairfax Dr	35.3	D	51.4	D
7106	Wakefield St & Fairfax Dr	8.2	A	9.3	A
7201	US-29 & WB I-66 On-Ramp	26.4	C	1.4	A
7202	US-29 & EB I-66 Off-Ramp	7.6	A	14.3	B
7203	US-29 & Spout Run Pkwy	25.0	C	34.8	C
1901	VA-123 & Lewinsville Rd	91.2	F	106.2	F
1902	VA-123 & Anderson Rd/SR 267 EB Off-Ramp	51.9	D	68.5	E
2912	N Scott St & US-29	18.5	B	22.7	C
2913	N Fort Meyer Dr & US-29 Eastbound	20.3	C	17.3	B
2914	N Fort Meyer Dr & US-29 Westbound	19.1	B	22.6	C
2915	N Lynn St & US-29 Eastbound	23.4	C	20.8	C
2916	N Lynn St & US-29 Westbound	19.0	B	44.5	D
9701	VA-7 & Ramada Rd/Lisle Ave	46.2	D	63.2	E
2901	US-29 & West St	30.5	C	44.3	D
2902	US-29 & W Annandale Rd	24.1	C	18.8	B
2903	US-29 & VA-7	35.2	D	37.2	D
2907	US-29 & N Harrison St	33.2	C	59.5	E
2908	US-29 & Old Dominion Dr	36.6	D	21.9	C
8004	N George Mason Dr & Wilson Blvd	31.0	C	38.0	D

Int. ID	Intersection	2040 Build AM		2040 Build PM	
		Delay (Sec/Veh.)	LOS	Delay (Sec/Veh.)	LOS
2376	Washington Blvd & Quincy St	25.4	C	28.5	C
2373	Washington Blvd & Patrick Henry Dr	32.9	C	81.5	F
2374	Washington Blvd & George Mason Dr	31.9	C	38.8	D
9707	VA-7 & Hillwood Avenue	29.5	C	28.9	C
9708	EB VA-7 & US-50	55.6	E	54.1	D
9709	WB VA-7 & US-50	29.5	C	32.2	C
5004	VA-7, US-50 & Sleepy Hollow Road	135.3	F	74.9	E
8001	Wilson Boulevard & US-50	12.6	B	17.6	B
5005	US-50 & S. Carlin Springs Road	44.4	D	22.1	C
5006	US-50 & N. Carlin Springs Road	15.6	B	43.2	D
5007	US-50 & S. George Mason Drive	63.2	E	42.7	D
5008	US-50 & N. George Mason Drive	45.9	D	32.0	C
5009	US-50 & S. Glebe Road	47.6	D	15.2	B
5010	US-50 & N. Glebe Road	16.2	B	28.7	C
8006	Wilson Boulevard & N 10th Street	23.1	C	26.2	C
2372	Fairfax Drive & N. Kirkwood Drive	18.8	B	27.8	C
2377	Washington Boulevard & N. Kirkwood Rd	37.0	D	30.3	C
9706	VA-7 & West Street	81.1	F	64.5	E
5001	US-50 (Arlington Boulevard) & Jaguar Trail	48.4	D	32.7	C
5002	US-50 & Graham Road	71.5	E	82.9	F
5003	US-50 & Annandale Road	59.4	E	58.8	E
5011	US-50 & N. Fillmore Street	64.6	E	77.1	E
1232	VA-123 (Dolley Madison Boulevard) & Old Dominion Drive	65.4	E	60.1	E
1233	VA-123 (Dolley Madison Boulevard) & Churchill Road	50.0	D	29.6	C
1234	VA-123 (Dolley Madison Boulevard) & Georgetown Pike	44.3	D	31.1	C
1235	VA-123 (Dolley Madison Boulevard) & Kirby Road	23.1	C	28.7	C
2378	Washington Boulevard & 10th Street	25.7	C	23.0	C
2371	Fairfax Drive & N. Quincy Street	22.5	C	37.2	D
3091	Old Dominion Drive & Chain Bridge Road	48.2	D	54.4	D
3099	Old Dominion Drive & Kirby Road	12.7	B	14.4	B
3093	Old Dominion Drive & Williamsburg Boulevard	72.5	E	52.2	D
3094	Old Dominion Drive & N. Glebe Road	37.8	D	36.2	D
8002	Wilson Boulevard & Roosevelt Boulevard	35.7	D	33.3	C
8003	Wilson Boulevard & Patrick Henry Drive	11.3	B	12.1	B
8005	Wilson Boulevard & N Glebe Road	35.8	D	38.3	D
9001	Westmoreland Street & Chain Bridge Road	23.5	C	48.0	D
9002	Westmoreland Street & Kirby Road	36.5	D	45.4	D