



*Tier 2 Environmental Assessment  
I-66 Existing Conditions Report*

## Appendix E

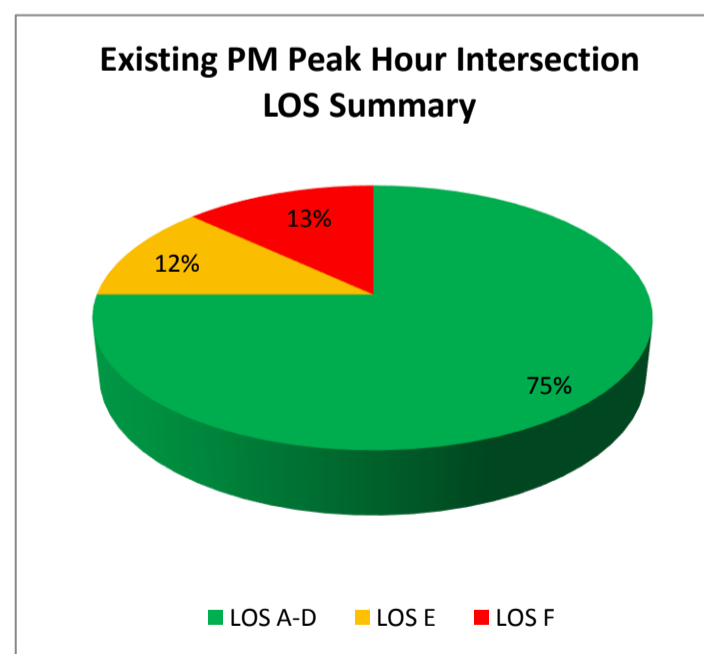
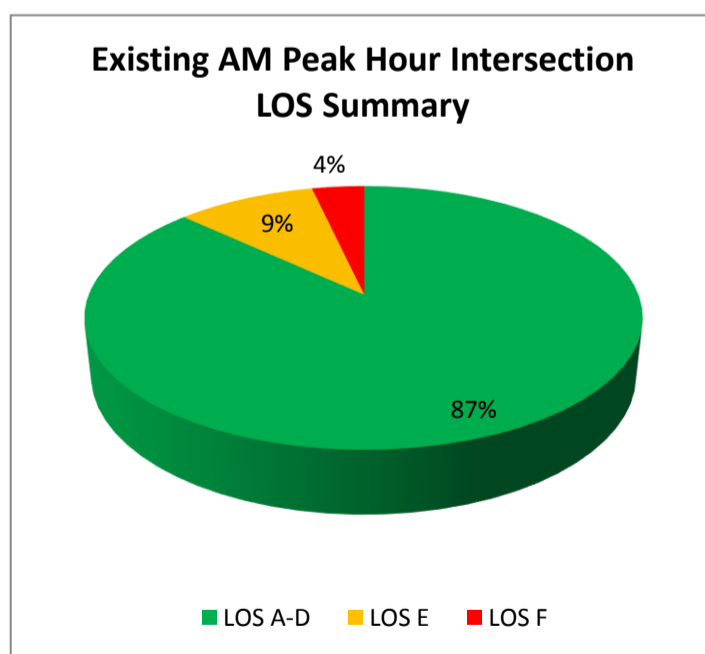
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### *Intersection Approach Delay and LOS*

**DRAFT – MAY 12, 2015**

Overall Intersection Level of Service - Existing Conditions						
Figure Intersection ID	Signalization	Intersection Name	7:00 - 8:00 AM		5:00 - 6:00 PM	
			Intersection Delay (Sec/veh)	LOS	Intersection Delay (Sec/veh)	LOS
1	Unsignalized	Old Tavern Road /Route 55	8.31	A	9.68	A
2	Unsignalized	Old Tavern Road /I-66 WB Ramps	1.18	A	4.37	A
3	Unsignalized	Old Tavern Road/I-66 EB Ramps	2.31	A	0.9	A
4	Unsignalized	Old Tavern Road/Harrison Road	0.36	A	0.52	A
5	Signalized	US 15/Heathcote Blvd	18.72	B	21.64	C
6	Signalized	US 15/I-66 WB Ramps	12.57	B	19.05	B
7	Signalized	US 15/I-66 EB Ramps	21.72	C	15.55	B
8	Signalized	US 15/ Route 55/Washington Street	27.53	C	56.71	E
9	Signalized	US 29 (Gainesville)/Route 55/Linton Hall Road	65.58	E	93.03	F
10	Signalized	US 29 (Gainesville)/ I-66 EB Temporary Ramp	4.07	A	5.2	A
11	Signalized	US 29 (Gainesville)/I-66 WB Ramps/Heathcote Blvd	21.61	C	65.36	E
12	Signalized	US 29 (Gainesville)/University Blvd	11.61	B	15.17	B
13	Signalized	Heathcote Blvd/Heritage Hunt Dr	11.54	B	23.88	C
14	Signalized	University Boulevard/Wellington Road	19.52	B	30.49	C
15	Signalized	Route 234/Balls Ford Road	60.48	E	68.05	E
16	Signalized	Route 234/Bullock Dr/Battleview Pkwy	16.82	B	37.18	D
17	Signalized	Route 234/I-66 WB Ramp/Vandor Lane	12.67	B	20.27	C
18	Signalized	Route 234/I-66 EB Ramps	42.15	D	6.37	A
19	Unsignalized	Route 234/Automotive Drive	7.25	A	1.21	A
20	Signalized	Route 234/Balls Ford Rd	61.33	E	74.3	E
21	Signalized	US 29 (Centreville)/Stone Rd	64.09	E	102.85	F
23	Unsignalized	US 29 (Centreville)/O'Day Dr./Parking Lot	25.15	D	3.83	A
24	Signalized	US 29 (Centreville)/I-66 WB Ramps	50.53	D	34.33	C
25	Signalized	US 29 (Centreville)/I-66 EB Ramps	121.76	F	43.29	D
26	Signalized	US 29 (Centreville)/Trinity Pkwy/Machen Rd	47.54	D	38.39	D
27	Signalized	Route 28/Ellanor C. Lawrence Park	6.87	A	117.87	F
28	Signalized	Route 28/Braddock Rd/Walney Rd	15.61	B	50.99	D
29	Signalized	Route 28 & I-66 WB Ramp	14.6	B	10.37	B
30	Signalized	Route 28 & Sully Senior Center/I-66 EB Ramp	22.02	C	19.91	B
31	Signalized	Stringfellow Road /Fair Lakes Blvd	9.5	A	119.3	F
32	Signalized	Stringfellow Road/Park-and-Ride	2.92	A	9.34	A
33	Signalized	Stringfellow Road /HOV Ramps	1.16	A	7.89	A
34	Unsignalized	Stringfellow Road/Westbrook Dr	1.73	A	2.17	A
35	Signalized	Stringfellow Road /Centreville Farms Rd	14.84	B	10.48	B
36	Signalized	Monument Drive/West Ox Road	28.69	C	36.12	D
37	Signalized	Monument Drive/Fair Lakes Parkway	24.44	C	30.44	C
38	Unsignalized	Monument Drive/Fair Lakes Promenade Dr	0.66	A	3.48	A
39	Signalized	Monument Drive/HOV Ramps	5.88	A	7.21	A
40	Signalized	Monument Drive/Government Center Parkway	15.03	B	20.94	C
44	Signalized	US 50/Waples Mill Road	92.27	F	126.41	F
45	Signalized	US 50/Jermantown Road	52.19	D	153.34	F
46	Signalized	Route 123/Jermantown Road	73.85	E	98.14	F
47	Signalized	Route 123/Rose Forest Dr/White Granite Rd	56.2	E	58.22	E
48	Signalized	Route 123/Eaton Pl/Oak Pl	22.88	C	61.61	E
49	Signalized	Route 123/Fairfax Blvd (US 50/US 29)	64.18	E	110.08	F
50	Signalized	Country Creek Rd/I-66 WB Off-Ramp/Village Spring Lane	9.02	A	8.41	A
51	Signalized	Country Creek Rd/Virginia Center Blvd/Vaden Drive	16.19	B	19.15	B
52	Unsignalized	Vaden Dr/Metro Parking Garage (North of 66)	0.67	A	1.61	A
53	Unsignalized	Vaden Dr/Metro Parking Garage (South of 66)	1.66	A	5.39	A
54	Signalized	Vaden Dr/Saintsbury Dr	15.39	B	13.38	B
55	Signalized	Nutley Street /Virginia Center Blvd/Marshall Rd	35.13	D	50.08	D
56	Signalized	Nutley Street /Saintsbury Dr/Swanee Ln	11.47	B	11.92	B
57	Signalized	Nutley Street/Hermosa Drive	17.47	B	11.95	B
58	Signalized	Nutley Street /US 29 (Merrifield)	41.86	D	73.41	E
59	Signalized	Route 7/Idlywood Road	68.1	E	68.05	E

Overall Intersection Level of Service - Existing Conditions						
Figure Intersection ID	Signalization	Intersection Name	7:00 - 8:00 AM		5:00 - 6:00 PM	
			Intersection Delay (Sec/veh)	LOS	Intersection Delay (Sec/veh)	LOS
60	Signalized	Route 7/I-66 EB Ramps	4.97	A	11.57	B
61	Unsignalized	Route 7/Metrorail Lot/Dale Drive	0.36	A	0.53	A
62	Unsignalized	Route 7/ Mary Ellen Henderson MS Entrance/Chestnut Street	0.97	A	1.04	A
63	Unsignalized	Route 7/ George Mason HS Entrance/Chestnut Street	3.73	A	5.71	A
64	Signalized	Route 7/Haycock Road/Shreve Rd	44.45	D	47.09	D
65	Signalized	US 29 (Centreville)/Trinity Pkwy/Centewood Drive	34.46	C	39.26	D
66	Signalized	US 29 (Centreville)/Route 28 SB On-Ramp/Newgate Shopping Center Entrance	6.1	A	59.62	E
67	Signalized	US 29 (Centreville)/Route 28 NB Ramp	5.06	A	10.7	B
68	Signalized	US 29 (Centreville)/Old Centreville Road/Braddock Road	21.58	C	68.59	E
69	Signalized	Fairfax County Parkway SB Ramps/Monument Drive	10.21	B	13.67	B
70	Signalized	Fairfax County Parkway NB Ramps/Monument Drive	26.74	C	24.47	C
71	Signalized	Fairfax County Parkway SB Ramps/Fair Lakes Parkway (North Intersection)	13.66	B	11.15	B
72	Signalized	Fairfax County Parkway NB Ramps/Fair Lakes Parkway (North Intersection)	20.81	C	29.98	C
73	Signalized	Fairfax County Parkway SB Ramps/US 29 (Centreville)	18.55	B	36.25	D
74	Signalized	Fairfax County Parkway NB Ramps/US 29 (Centreville)	11.45	B	50.72	D
75	Signalized	West Ox Road/US 29 (Centreville) Off-Ramp	6.61	A	197.79	F
76	Signalized	US 29 (Centreville) WB Off-Ramp/Fairfax County Parkway SB On-Ramp	18.15	B	11.65	B
77	Signalized	US 29 (Centreville) WB On-Ramp/Fairfax County Parkway NB Off-Ramp	8.16	A	13.17	B
78	Signalized	West Ox Road/US 29 (Centreville) On-Ramp	19.75	B	17.54	B
79	Signalized	West Ox Road/US 50 SB Off-Ramp	9.04	A	17.75	B
81	Signalized	Route 7/Express Lanes Ramps/I-495 NB On-Ramp	48.76	D	23.92	C
82	Signalized	US 29 (Merrifield) /I-495 Express Lanes Ramps	16.31	B	16.86	B
83	Signalized	Gallows Road/I-495 SB Off-Ramp/Woodburn Road	34.83	C	195.53	F
84	Signalized	Gallows Road/I-495 Express Lanes Ramps	22.36	C	26.1	C
85	Signalized	Gallows Road/I-495 Express Lanes Ramps	83.02	F	26.02	C
86	Signalized	Westfields Boulevard/Park Meadow Dr/Newbrook Dr	17.26	B	31.25	C
87	Signalized	Westfields Boulevard/Stonecroft Boulevard	22.32	C	117.4	F



Intersection Level of Service by Approach - Existing AM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
1	Unsignalized	Old Tavern Road /Route 55	Northbound (Old Tavern Road)	9.23	A
			Eastbound (Route 55)	7.61	A
			Westbound (Route 55)	7.51	A
2	Unsignalized	Old Tavern Road /I-66 WB Ramps	Northbound (Old Tavern Road)	0.14	A
			Southbound (Old Tavern Road)	1.18	A
			Westbound (I-66)	3.76	A
3	Unsignalized	Old Tavern Road/I-66 EB Ramps	Northbound (Old Tavern Road)	1.12	A
			Southbound (Old Tavern Road)	1	A
			Eastbound (I-66)	6.57	A
4	Unsignalized	Old Tavern Road/Harrison Road	Northbound (Old Tavern Road)	0.1	A
			Southbound Old Tavern Road)	0.17	A
			Eastbound (Harrison Rd)	5.22	A
5	Signalized	US 15/Heathcote Blvd	Northbound (US 15)	14.03	B
			Southbound (US 15)	17.59	B
			Eastbound (Heathcote Blvd)	33.47	C
			Westbound (Heathcote Blvd)	36.35	D
6	Signalized	US 15/I-66 WB Ramps	Northbound (US 15)	10.48	B
			Southbound (US 15)	6.05	A
			Westbound (I-66)	28.27	C
7	Signalized	US 15/I-66 EB Ramps	Northbound (US 15)	14.53	B
			Southbound (US 15)	26.57	C
			Eastbound (I-66)	40.74	D
8	Signalized	US 15/ Route 55/Washington Street	Northbound (US 15)	23.41	C
			Southbound (US 15)	20.32	C
			Eastbound (Route 55)	49.45	D
			Westbound (Route 55)	27.08	C
9	Signalized	US 29 (Gainesville)/Route 55/Linton Hall Road	Northbound (US 29)	31.89	C
			Southbound (US 29)	38.49	D
			Eastbound (Route 55)	99.45	F
			Westbound (Linton Hall Rd)	149	F
10	Signalized	US 29 (Gainesville)/ I-66 EB Temporary Ramp	Northbound (US 29)	3.76	A
			Southbound (US 29)	2.03	A
			Westbound (I-66)	15.79	B
11	Signalized	US 29 (Gainesville)/I-66 WB Ramps/Heathcote Blvd	Northbound (US 29)	20.52	C
			Southbound (US 29)	19.54	B
			Eastbound (Heathcote Blvd)	20.15	C
			Westbound (I-66)	28.74	C
12	Signalized	US 29 (Gainesville)/University Blvd	Northbound (US 29)	10.06	B
			Southbound (US 29)	9.4	A
			Westbound (University Blvd)	15.22	B
13	Signalized	Heathcote Blvd/Heritage Hunt Dr	Northbound (Heritage Hunt Dr)	13.94	B
			Southbound (Heritage Hunt Dr)	20.75	C
			Eastbound (Heathcote Blvd)	10.44	B
			Westbound (Heathcote Blvd)	8.84	A
14	Signalized	University Boulevard/Wellington Road	Northbound (Progress Ct)	24.26	C
			Southbound (University Blvd)	19.87	B
			Eastbound (Wellington Rd)	20.08	C
			Westbound (Wellington Rd)	18.03	B
15	Signalized	Route 234/Balls Ford Road	Northbound (Route 234)	46.27	D
			Southbound (Route 234)	65.03	E
			Eastbound (Balls Ford Rd)	81.15	F
			Westbound (Balls Ford Rd)	48.81	D
16	Signalized	Route 234/Bullock Dr/Battleview Pkwy	Northbound (Route 234)	8.06	A
			Southbound (Route 234)	20.47	C
			Eastbound (Bullock Dr)	41.78	D
			Westbound (Battleview Pkwy)	75.12	E
17	Signalized	Route 234/I-66 WB Ramp/Vandor Lane	Northbound Route 234)	8.13	A
			Southbound (Route 234)	23.5	C
			Westbound (Vandor Lane)	79.04	E
18	Signalized	Route 234/I-66 EB Ramps	Northbound (Sudley Rd)	14.43	B
			Southbound (Sudley Rd)	53.19	D
			Eastbound (I-66)	258.86	F

Intersection Level of Service by Approach - Existing AM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
19	Unsignalized	Route 234/Automotive Drive	Northbound (Sudley Rd)	6.71	A
			Westbound (Automotive Dr)	12.75	B
20	Signalized	Route 234/Balls Ford Rd	Northbound (Route 234)	46.21	D
			Southbound (Route 234)	25.01	C
			Eastbound (Balls Ford Rd)	136.18	F
			Westbound (Balls Ford Rd)	46.6	D
21	Signalized	US 29 (Centreville)/Stone Rd	Northbound (US 29)	71.53	E
			Southbound (US 29)	39.11	D
			Eastbound (Stone Rd)	67.04	E
			Westbound (Stone Rd)	97.7	F
23	Unsignalized	US 29 (Centreville)/O'Day Dr./Parking Lot	Northbound (US 29)	35	E
			Southbound (US 29)	6.77	A
			Eastbound (O'Day Dr)	5.65	A
			Westbound (Parking Lot)	31.84	D
24	Signalized	US 29 (Centreville)/I-66 WB Ramps	Northbound (US 29)	70.52	E
			Southbound (US 29)	12.09	B
			Eastbound (I-66)	7.5	A
25	Signalized	US 29 (Centreville)/I-66 EB Ramps	Northbound (US 29)	59.36	E
			Southbound (US 29)	246.24	F
			Westbound (I-66)	188.11	F
26	Signalized	US 29 (Centreville)/Trinity Pkwy/Machen Rd	Northbound (Route 29)	31.51	C
			Southbound (Route 29)	41.01	D
			Eastbound (Machen Rd)	26.23	C
			Westbound (Machen Rd)	139.16	F
27	Signalized	Route 28/Ellanor C. Lawrence Park	Northbound (Route 28)	8.66	A
			Southbound (Route 28)	1.88	A
			Eastbound (Park Entrance)	76.7	E
28	Signalized	Route 28/Braddock Rd/Walney Rd	Northbound (Route 28)	7.9	A
			Southbound (Route 28)	26.75	C
			Eastbound (Braddock Rd)	46.79	D
			Westbound (Walney Rd)	15.01	B
29	Signalized	Route 28 & I-66 WB Ramp	Northbound (Route 28)	15.19	B
			Southbound (Route 28)	0.59	A
			Westbound (I-66)	130.87	F
30	Signalized	Route 28 & Sully Senior Center/I-66 EB Ramp	Northbound (Route 28)	22.86	C
			Southbound (Route 28)	21.12	C
31	Signalized	Stringfellow Road /Fair Lakes Blvd	Northbound (Stringfellow Rd)	4.19	A
			Southbound (Stringfellow Rd)	5.09	A
			Westbound (Fair Lakes Blvd)	46.82	D
32	Signalized	Stringfellow Road/Park-and-Ride	Northbound (Stringfellow Rd)	1.89	A
			Southbound (Stringfellow Rd)	4.13	A
			Eastbound (Park-and-Ride)	12.69	B
33	Signalized	Stringfellow Road /HOV Ramps	Northbound (Stringfellow Rd)	1.11	A
			Southbound (Stringfellow Rd)	1.26	A
34	Unsignalized	Stringfellow Road/Westbrook Dr	Northbound (Stringfellow Rd)	0.79	A
			Southbound (Stringfellow Rd)	0.42	A
			Eastbound (Westbrook Dr)	7.73	A
			Westbound (Westbrook Dr)	10.3	B
35	Signalized	Stringfellow Road /Centreville Farms Rd	Northbound (Stringfellow Rd)	5.2	A
			Southbound (Stringfellow Rd)	7.67	A
			Eastbound (Centreville Farms Rd)	40.27	D
36	Signalized	Monument Drive/West Ox Road	Northbound (Monument Dr)	14.61	B
			Southbound (Monument Dr)	49.73	D
			Eastbound (West Ox Rd)	22.59	C
			Westbound (West Ox Rd)	31.16	C
37	Signalized	Monument Drive/Fair Lakes Parkway	Northbound (Monument Dr)	22.81	C
			Southbound (Monument Dr)	28.21	C
			Eastbound (Fair Lakes Pkwy)	27.51	C
			Westbound (Fair Lakes Pkwy)	15.37	B
38	Unsignalized	Monument Drive/Fair Lakes Promenade Dr	Northbound (Monument Dr)	0.79	A
			Southbound (Monument Dr)	0.42	A
			Eastbound (Fair Lakes Promenade Dr)	8.45	A
			Westbound (Fair Lakes Promenade Dr)	5.95	A

Intersection Level of Service by Approach - Existing AM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
39	Signalized	Monument Drive/HOV Ramps	Northbound (Monument Dr)	6.75	A
			Southbound (Monument Dr)	5.53	A
40	Signalized	Monument Drive/Government Center Parkway	Northbound (Monument Dr)	20.56	C
			Southbound (Monument Dr)	11.62	B
			Eastbound (Government Ctr Pkwy)	25.48	C
			Westbound (Government Ctr Pkwy)	12.5	B
44	Signalized	US 50/Waples Mill Road	Northbound (Waples Mill Rd)	184.27	F
			Southbound (Waples Mill Rd)	47.29	D
			Eastbound (US 50)	71.29	E
			Westbound (US 50)	27.09	C
45	Signalized	US 50/Jermantown Road	Northbound (Jermantown Rd)	80.61	F
			Southbound (Jermantown Rd)	79.27	E
			Eastbound (US 50)	39.09	D
			Westbound (US 50)	48.26	D
46	Signalized	Route 123/Jermantown Road	Northbound (Route 123)	43.36	D
			Southbound (Route 123)	38.28	D
			Eastbound (Jermantown Rd)	164.24	F
			Westbound (Jermantown Rd)	67.3	E
47	Signalized	Route 123/Rose Forest Dr/White Granite Rd	Northbound (Route 123)	70.8	E
			Southbound (Route 123)	8.62	A
			Eastbound (Rose Forest Dr)	72.54	E
			Westbound (White Granite Rd)	169.66	F
48	Signalized	Route 123/Eaton PI/Oak PI	Northbound (Route 123)	25.25	C
			Southbound (Route 123)	17.21	B
			Eastbound (Oak PI)	42.1	D
			Westbound (Eaton PI)	20.78	C
49	Signalized	Route 123/Fairfax Blvd (US 50/US 29)	Northbound (Route 123)	93.54	F
			Southbound (Route 123)	47.21	D
			Eastbound (Fairfax Blvd)	74.58	E
			Westbound (Fairfax Blvd)	29.21	C
50	Signalized	Country Creek Rd/I-66 WB Off-Ramp/Village Spring Lane	Northbound (I-66)	17.05	B
			Southbound (Village Spring Ln)	17.57	B
			Eastbound (Country Creek Rd)	8.05	A
			Westbound (Country Creek Rd)	5.85	A
51	Signalized	Country Creek Rd/Virginia Center Blvd/Vaden Drive	Northbound (Vaden Dr)	29.14	C
			Southbound (Virginia Center Blvd)	28.8	C
			Eastbound (Country Creek Rd)	13.17	B
			Westbound (Country Creek Rd)	11.28	B
52	Unsignalized	Vaden Dr/Metro Parking Garage (North of 66)	Northbound (Vaden Dr)	1.06	A
			Southbound (Vaden Dr)	0.2	A
			Westbound (Metro Parking Garage)	5.23	A
53	Unsignalized	Vaden Dr/Metro Parking Garage (South of 66)	Northbound (Vaden Dr)	0.76	A
			Southbound (Vaden Dr)	3.2	A
			Westbound (Metro Parking Garage)	7.57	A
54	Signalized	Vaden Dr/Saintsbury Dr	Northbound (Vaden Dr)	18.96	B
			Southbound (Vaden Dr)	10.31	B
			Eastbound (Saintsbury Dr)	15.19	B
			Westbound (Saintsbury Dr)	16.15	B
55	Signalized	Nutley Street /Virginia Center Blvd/Marshall Rd	Northbound (Nutley St.)	34.53	C
			Southbound (Nutley St.)	25.24	C
			Eastbound (Virginia Center Blvd)	50.05	D
			Westbound (Marshall Rd)	65.46	E
56	Signalized	Nutley Street /Saintsbury Dr/Swanee Ln	Northbound (Nutley St.)	7.06	A
			Southbound (Nutley St.)	9.46	A
			Eastbound (Saintsbury Dr)	43.68	D
			Westbound (Swanee Ln)	48.73	D
57	Signalized	Nutley Street/Hermosa Drive	Northbound (Nutley St.)	3.45	A
			Southbound (Nutley St.)	24.16	C
			Eastbound (Hermosa Dr)	63.16	E
			Westbound (Hermosa Dr)	34.34	C

Intersection Level of Service by Approach - Existing AM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
58	Signalized	Nutley Street /US 29 (Merrifield)	Northbound (Nutley St.)	72.66	E
			Southbound (Nutley St.)	41.07	D
			Eastbound (US 29)	39.91	D
			Westbound (US 29)	25.41	C
59	Signalized	Route 7/Idlywood Road	Northbound (Idlywood Rd)	43.5	D
			Southbound (Idlywood Rd)	119.85	F
			Eastbound (Route 7)	69.71	E
			Westbound (Route 7)	63.62	E
60	Signalized	Route 7/I-66 EB Ramps	Northbound (I-66)	48.15	D
			Eastbound (Route 7)	3.96	A
			Westbound (Route 7)	2.55	A
61	Unsignalized	Route 7/Metrorail Lot/Dale Drive	Northbound (Dale Dr)	6.25	A
			Eastbound (Route 7)	0.5	A
			Westbound (Route 7)	0.11	A
62	Unsignalized	Route 7/ Mary Ellen Henderson MS Entrance/Chestnut Street	Southbound (MS Entrance)	12.88	B
			Eastbound (Route 7)	1.13	A
			Westbound (Route 7)	0.22	A
63	Unsignalized	Route 7/ George Mason HS Entrance/Chestnut Street	Northbound (Chestnut St)	34.12	D
			Eastbound (Route 7)	6.16	A
			Westbound (Route 7)	0.29	A
64	Signalized	Route 7/Haycock Road/Shreve Rd	Northbound ( Shreve Rd)	93.6	F
			Southbound (Haycock Rd)	48.08	D
			Eastbound (Route 7)	26.12	C
			Westbound (Route 7)	42.41	D
65	Signalized	US 29 (Centreville)/Trinity Pkwy/Centrewood Drive	Northbound (Centrewood Dr)	74.4	E
			Southbound (Trinity Pkwy)	64.33	E
			Eastbound (US 29)	14.31	B
			Westbound (US 29)	34.75	C
66	Signalized	US 29 (Centreville)/Route 28 SB On-Ramp/Newgate Shopping Center Entrance	Southbound (Shopping Center)	59.25	E
			Eastbound US 29	4.33	A
			Westbound US 29	6.04	A
67	Signalized	US 29 (Centreville)/Route 28 NB Ramp	Northbound (Route 28)	75.26	E
			Eastbound (US 29)	5.35	A
			Westbound (US 29)	1.6	A
68	Signalized	US 29 (Centreville)/Old Centreville Road/Braddock Road	Northbound (Old Centreville Rd)	47.13	D
			Southbound (Braddock Rd)	25.65	C
			Eastbound (US 29)	11.35	B
			Westbound (US 29)	26.67	C
69	Signalized	Fairfax County Parkway SB Ramps/Monument Drive	Southbound (Fairfax County Parkway)	12.52	B
			Westbound (Monument Dr)	3.5	A
70	Signalized	Fairfax County Parkway NB Ramps/Monument Drive	Northbound (Fairfax County Parkway)	7.38	A
			Eastbound (Monument Dr)	55.74	E
			Westbound (Monument Dr)	32.67	C
71	Signalized	Fairfax County Parkway SB Ramps/Fair Lakes Parkway (North Intersection)	Southbound (Fairfax County Parkway)	24.77	C
			Eastbound (Fair Lakes Pkwy)	6.84	A
			Westbound (Fair Lakes Pkwy)	17.13	B
72	Signalized	Fairfax County Parkway NB Ramps/Fair Lakes Parkway (North Intersection)	Northbound (Fairfax County Parkway)	22.16	C
			Eastbound (Fair Lakes Pkwy)	20.78	C
			Westbound (Fair Lakes Pkwy)	16.94	B
73	Signalized	Fairfax County Parkway SB Ramps/US 29 (Centreville)	Southbound (Fairfax County Parkway)	35.25	D
			Westbound (US 29)	8.68	A
74	Signalized	Fairfax County Parkway NB Ramps/US 29 (Centreville)	Northbound (Fairfax County Parkway)	7.8	A
			Westbound (US 29)	13.82	B
75	Signalized	West Ox Road/US 29 (Centreville) Off-Ramp	Northbound (West Ox Road)	0.57	A
			Southbound (West Ox Road)	3.86	A
			Westbound (US 29 Ramp)	32.22	C
76	Signalized	US 29 (Centreville) WB Off-Ramp/Fairfax County Parkway SB On-Ramp	Southbound (Fairfax County Parkway Ramp)	12.52	B
			Eastbound (US 29 Ramp)	21.79	C

Intersection Level of Service by Approach - Existing AM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
77	Signalized	US 29 (Centreville) WB On-Ramp/Fairfax County Parkway NB Off-Ramp	Northbound (Fairfax County Parkway Ramp)	31.95	C
			Eastbound (US 29 Ramp)	4.97	A
78	Signalized	West Ox Road/US 29 (Centreville) On-Ramp	Northbound (West Ox Road)	28.8	C
			Southbound (West Ox Road)	26.69	C
			Eastbound US (US 29 Ramp)	8.94	A
79	Signalized	West Ox Road/US 50 SB Off-Ramp	Northbound (West Ox Rd)	8.1	A
			Southbound (West Ox Rd)	6.25	A
			Eastbound (US 50)	31.36	C
81	Signalized	Route 7/Express Lanes Ramps/I-495 NB On-Ramp	Northbound (Express Lanes)	88.4	F
			Eastbound (Route 7)	24.62	C
			Westbound (Route 7)	75.09	E
82	Signalized	US 29 (Merrifield) /I-495 Express Lanes Ramps	Northbound (Express Lanes)	34.15	C
			Eastbound (US 29)	16.78	B
			Westbound (US 29)	8.62	A
83	Signalized	Gallows Road/I-495 SB Off-Ramp/Woodburn Road	Northbound (Woodburn Rd)	48	D
			Southbound (I-495)	84.29	F
			Eastbound (Gallows Rd)	28.58	C
			Westbound (Gallows Rd)	25.95	C
84	Signalized	Gallows Road/I-495 Express Lanes Ramps	Southbound (I-495)	65.59	E
			Eastbound (Gallows Rd)	60.54	E
			Westbound (Gallows Rd)	2.48	A
85	Signalized	Gallows Road/I-495 Express Lanes Ramps	Northbound (I-495)	104.23	F
			Eastbound (Gallows Rd)	21.76	C
			Westbound (Gallows Rd)	100.91	F
86	Signalized	Westfields Boulevard/Park Meadow Dr/Newbrook Dr	Northbound (Westfields Blvd)	15.51	B
			Southbound (Westfields Blvd)	12.73	B
			Eastbound (Park Meadow Dr)	0.61	A
			Westbound (Newbrook Dr)	51.14	D
87	Signalized	Westfields Boulevard/Stonecroft Boulevard	Northbound (Westfields Blvd)	24.16	C
			Southbound (Westfields Blvd)	16.45	B
			Eastbound (Stonecroft Blvd)	35.45	D
			Westbound (Stonecroft Blvd)	23.05	C



Intersection Level of Service by Approach - Existing PM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
1	Unsignalized	Old Tavern Road /Route 55	Northbound (Old Tavern Road)	8.84	A
			Eastbound (Route 55)	7.83	A
			Westbound (Route 55)	10.88	B
2	Unsignalized	Old Tavern Road /I-66 WB Ramps	Northbound (Old Tavern Road)	0.27	A
			Southbound (Old Tavern Road)	1.87	A
			Westbound (I-66)	8.78	A
3	Unsignalized	Old Tavern Road/I-66 EB Ramps	Northbound (Old Tavern Road)	0.69	A
			Southbound (Old Tavern Road)	0.39	A
			Eastbound (I-66)	6.48	A
4	Unsignalized	Old Tavern Road/Harrison Road	Northbound (Old Tavern Road)	0.21	A
			Southbound (Old Tavern Road)	0.4	A
			Eastbound (Harrison Rd)	5.9	A
5	Signalized	US 15/Heathcote Blvd	Northbound (US 15)	14.42	B
			Southbound (US 15)	22.8	C
			Eastbound (Heathcote Blvd)	35.09	D
			Westbound (Heathcote Blvd)	38.92	D
6	Signalized	US 15/I-66 WB Ramps	Northbound (US 15)	9.87	A
			Southbound (US 15)	13.52	B
			Westbound (I-66)	32.65	C
7	Signalized	US 15/I-66 EB Ramps	Northbound (US 15)	10	A
			Southbound (US 15)	18.22	B
			Eastbound (I-66)	35.65	D
8	Signalized	US 15/ Route 55/Washington Street	Northbound (US 15)	31.26	C
			Southbound (US 15)	32.87	C
			Eastbound (Route 55)	76.18	E
			Westbound (Route 55)	109.94	F
9	Signalized	US 29 (Gainesville)/Route 55/Linton Hall Road	Northbound (US 29)	70.57	E
			Southbound (US 29)	95.04	F
			Eastbound (Route 55)	71.9	E
			Westbound (Linton Hall Rd)	119.11	F
10	Signalized	US 29 (Gainesville)/ I-66 EB Temporary Ramp	Northbound (US 29)	3.93	A
			Southbound (US 29)	6.39	A
			Westbound (I-66)	16.68	B
11	Signalized	US 29 (Gainesville)/I-66 WB Ramps/Heathcote Blvd	Northbound (US 29)	205.53	F
			Southbound (US 29)	34.31	C
			Eastbound (Heathcote Blvd)	38.52	D
			Westbound (I-66)	45.37	D
12	Signalized	US 29 (Gainesville)/University Blvd	Northbound (US 29)	14.13	B
			Southbound (US 29)	10.45	B
			Westbound (University Blvd)	23.5	C
13	Signalized	Heathcote Blvd/Heritage Hunt Dr	Northbound (Heritage Hunt Dr)	23.31	C
			Southbound (Heritage Hunt Dr)	32.81	C
			Eastbound (Heathcote Blvd)	19.98	B
			Westbound (Heathcote Blvd)	24.43	C
14	Signalized	University Boulevard/Wellington Road	Northbound (Progress Ct)	34.66	C
			Southbound (University Blvd)	26.66	C
			Eastbound (Wellington Rd)	34.3	C
			Westbound (Wellington Rd)	31.73	C
15	Signalized	Route 234/Balls Ford Road	Northbound (Route 234)	72.31	E
			Southbound (Rotue 234)	51.24	D
			Eastbound (Balls Ford Rd)	80.17	F
			Westbound (Balls Ford Rd)	84.12	F
16	Signalized	Route 234/Bullock Dr/Battleview Pkwy	Northbound (Route 234)	30.46	C
			Southbound (Route 234)	28.87	C
			Eastbound (Bullock Dr)	30.26	C
			Westbound (Battleview Pkwy)	71.04	E
17	Signalized	Route 234/I-66 WB Ramp/Vandor Lane	Northbound (Route 234)	26.35	C
			Southbound (Route 234)	11.39	B
			Westbound (Vandor Lane)	86.82	F
18	Signalized	Route 234/I-66 EB Ramps	Northbound (Route 234)	1.73	A
			Southbound (Route 234)	6.34	A
			Eastbound (I-66)	95.39	F

Intersection Level of Service by Approach - Existing PM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
19	Unsignalized	Route 234/Automotive Drive	Northbound (Route 234)	0.99	A
			Westbound (Automotive Dr)	6.17	A
20	Signalized	Route 234/Balls Ford Rd	Northbound (Route 234)	38.84	D
			Southbound (Route 234)	37.66	D
			Eastbound (Balls Ford Rd)	375.12	F
			Westbound (Balls Ford Rd)	47.51	D
21	Signalized	US 29 (Centreville)/Stone Rd	Northbound (US 29)	44.87	D
			Southbound (US29)	56.82	E
			Eastbound (Stone Rd)	178.05	F
			Westbound (Stone Rd)	102.72	F
23	Unsignalized	US 29 (Centreville)/O'Day Dr./Parking Lot	Northbound (US 29)	1.87	A
			Southbound (US 29)	5.31	A
			Eastbound (O'Day Dr)	5.48	A
			Westbound (Parking Lot)	10.43	B
24	Signalized	US 29 (Centreville)/I-66 WB Ramps	Northbound (US 29)	14.57	B
			Southbound (US 29)	21.61	C
			Eastbound (I-66)	136.89	F
25	Signalized	US 29 (Centreville)/I-66 EB Ramps	Northbound (US 29)	13.85	B
			Southbound (US 29)	58.56	E
			Westbound (I-66)	85.98	F
26	Signalized	US 29 (Centreville)/Trinity Pkwy/Machen Rd	Northbound (US 29)	28.88	C
			Southbound (US 29)	45.17	D
			Eastbound (Machen Rd)	23.64	C
			Westbound (Machen Rd)	49.58	D
27	Signalized	Route 28/Ellanor C. Lawrence Park	Northbound (Route 28)	4.91	A
			Southbound (Route 28)	188.5	F
			Eastbound (Park Entrance)	116.2	F
28	Signalized	Route 28/Braddock Rd/Walney Rd	Northbound (Route 28)	12.68	B
			Southbound (Route 28)	67.14	E
			Eastbound (Braddock Rd)	135	F
			Westbound (Walney Rd)	11.51	B
29	Signalized	Route 28 & I-66 WB Ramp	Northbound (Route 28)	12.11	B
			Southbound (Route 28)	0.72	A
			Westbound (I-66)	123.54	F
30	Signalized	Route 28 & Sully Senior Center/I-66 EB Ramp	Northbound (Route 28)	52.56	D
			Southbound (Route 28)	8.66	A
31	Signalized	Stringfellow Road /Fair Lakes Blvd	Northbound (Stringfellow Road)	17.05	B
			Southbound (Stringfellow Road)	50.29	D
			Westbound (Fair Lakes Blvd)	307.95	F
32	Signalized	Stringfellow Road/Park-and-Ride	Northbound (Stringfellow Road)	6.83	A
			Southbound (Stringfellow Road)	8.66	A
			Eastbound (Park and Ride)	22.64	C
33	Signalized	Stringfellow Road /HOV Ramps	Northbound (Stringfellow Road)	5.85	A
			Southbound (Stringfellow Road)	3.71	A
			Westbound (HOV Ramps)	46.9	D
34	Unsignalized	Stringfellow Road/Westbrook Dr	Northbound (Stringfellow Road)	1.27	A
			Southbound (Stringfellow Road)	1.87	A
			Eastbound (Westbrook Dr)	17.83	C
			Westbound (Westbrook Dr)	10	A
35	Signalized	Stringfellow Road/Centreville Farms Rd	Northbound (Stringfellow Road)	5.12	A
			Southbound (Stringfellow Road)	9.26	A
			Eastbound (Centreville Farms Rd)	34.38	C
36	Signalized	Monument Drive/West Ox Road	Northbound (Monument Dr)	24.85	C
			Southbound (Monument Dr)	43.29	D
			Eastbound (West Ox Road)	30.72	C
			Westbound (West Ox Road)	40.84	D
37	Signalized	Monument Drive/Fair Lakes Parkway	Northbound (Monument Dr)	29.32	C
			Southbound (Monument Dr)	34.65	C
			Eastbound (Fair Lakes Pkwy)	32.17	C
			Westbound (Fair Lakes Pkwy)	27.83	C

Intersection Level of Service by Approach - Existing PM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
38	Unsignalized	Monument Drive/Fair Lakes Promenade Dr	Northbound (Monument Dr)	5.52	A
			Southbound (Monument Dr)	0.53	A
			Eastbound (Fair Lakes Promenade Dr)	10.24	B
			Westbound (Fair Lakes Promenade Dr)	6.7	A
39	Signalized	Monument Drive/HOV Ramps	Northbound (Monument Dr)	5.96	A
			Southbound (Monument Dr)	6.67	A
			Westbound (HOV Ramps)	22.17	C
40	Signalized	Monument Drive/Government Center Parkway	Northbound (Monument Dr)	27.07	C
			Southbound (Monument Dr)	18.49	B
			Eastbound (Government Ctr Pkwy)	27.33	C
			Westbound (Government Ctr Pkwy)	10.8	B
44	Signalized	US 50/Waples Mill Road	Northbound (Waples Mill Rd)	409.25	F
			Southbound (Waples Mill Rd)	213.76	F
			Eastbound (US 50)	61.12	E
			Westbound (US 50)	34.03	C
45	Signalized	US 50/Jermantown Road	Northbound (Jermantown Rd)	115.94	F
			Southbound (Jermantown Rd)	855.94	F
			Eastbound (US 50)	44.21	D
			Westbound (US 50)	67.43	E
46	Signalized	Route 123/Jermantown Road	Northbound (Route 123)	27.15	C
			Southbound (Route 123)	122.92	F
			Eastbound (Jermantown Rd)	93.94	F
			Westbound (Jermantown Rd)	121.29	F
47	Signalized	Route 123/Rose Forest Dr/White Granite Rd	Northbound (Route 123)	84.04	F
			Southbound (Route 123)	10.33	B
			Eastbound (Rose Forest Dr)	35.56	D
			Westbound (White Granite Rd)	228.08	F
48	Signalized	Route 123/Eaton Pl/Oak Pl	Northbound (Route 123)	26.24	C
			Southbound (Route 123)	103.85	F
			Eastbound (Oak Pl)	52.72	D
			Westbound (Eaton Pl)	32.05	C
49	Signalized	Route 123/Fairfax Blvd (US 50/US 29)	Northbound (Route 123)	209.05	F
			Southbound (Route 123)	215.4	F
			Eastbound (Fairfax Blvd)	59.43	E
			Westbound (Fairfax Blvd)	48.87	D
50	Signalized	Country Creek Rd/I-66 WB Off-Ramp/Village Spring Lane	Northbound (I-66)	21.07	C
			Southbound (Village Spring Ln)	14.05	B
			Eastbound (Country Creek Rd)	6.82	A
			Westbound (Country Creek Rd)	6.57	A
51	Signalized	Country Creek Rd/Virginia Center Blvd/Vaden Drive	Northbound (Vaden Dr)	26.57	C
			Southbound (Virginia Center Blvd)	29.4	C
			Eastbound (Country Creek Rd)	16.2	B
			Westbound (Country Creek Rd)	14.44	B
52	Unsignalized	Vaden Dr/Metro Parking Garage (North of 66)	Northbound (Vaden Dr)	1.33	A
			Southbound (Vaden Dr)	0.11	A
			Westbound (Metro Parking Garage)	6.43	A
53	Unsignalized	Vaden Dr/Metro Parking Garage (South of 66)	Northbound (Vaden Dr)	0.1	A
			Southbound (Vaden Dr)	1.32	A
			Westbound (Metro Parking Garage)	13.12	B
54	Signalized	Vaden Dr/Saintsbury Dr	Northbound (Vaden Dr)	15.33	B
			Southbound (Vaden Dr)	10.02	B
			Eastbound (Saintsbury Dr)	15.07	B
			Westbound (Saintsbury Dr)	15.85	B
55	Signalized	Nutley Street /Virginia Center Blvd/Marshall Rd	Northbound Nutley St.)	44.23	D
			Southbound (Nutley St.)	36.98	D
			Eastbound (Virginia Center Blvd)	60.46	E
			Westbound (Marshall Rd)	111.13	F
56	Signalized	Nutley Street /Saintsbury Dr/Swanee Ln	Northbound (Nutley St.)	6.36	A
			Southbound (Nutley St.)	10.47	B
			Eastbound (Saintsbury Dr)	42.95	D
			Westbound (Swanee Ln)	41.76	D

Intersection Level of Service by Approach - Existing PM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
57	Signalized	Nutley Street/Hermosa Drive	Northbound (Nutley St.)	3.59	A
			Southbound (Nutley St.)	10.51	B
			Eastbound (Hermosa Dr)	67.55	E
			Westbound (Hermosa Dr)	30.68	C
58	Signalized	Nutley Street /US 29 (Merrifield)	Northbound (Nutley St.)	232.69	F
			Southbound (Nutley St.)	37.36	D
			Eastbound (US 29)	35.85	D
			Westbound (US 29)	62.76	E
59	Signalized	Route 7/Idlywood Road	Northbound (Idlywood Rd)	66.3	E
			Southbound (Idlywood Rd)	181.46	F
			Eastbound (Route 7)	61.32	E
			Westbound (Route 7)	47.46	D
60	Signalized	Route 7/I-66 EB Ramps	Northbound (I-66)	48.85	D
			Eastbound (Route 7)	6.65	A
			Westbound (Route 7)	6.75	A
61	Unsignalized	Route 7/Metrorail Lot/Dale Drive	Northbound (Dale Dr)	10.18	B
			Eastbound (Route 7)	0.68	A
			Westbound (Route 7)	0.31	A
62	Unsignalized	Route 7/ Mary Ellen Henderson MS Entrance/Chestnut Street	Southbound (MS Entrance)	14.07	B
			Eastbound (Route 7)	1.52	A
			Westbound (Route 7)	0.22	A
63	Unsignalized	Route 7/ George Mason HS Entrance/Chestnut Street	Northbound (Chestnut St)	38.05	E
			Eastbound (Route 7)	9.99	A
			Westbound (Route 7)	0.39	A
64	Signalized	Route 7/Haycock Road/Shreve Rd	Northbound (Shreve Rd)	77.17	E
			Southbound (Haycock Rd)	64.73	E
			Eastbound (Route 7)	27.78	C
			Westbound (Route 7)	52.89	D
65	Signalized	US 29 (Centreville)/Trinity Pkwy/Centrewood Drive	Northbound (Centrewood Dr)	30.83	C
			Southbound (Trinity Pkwy)	58.84	E
			Eastbound (US 29)	24.55	C
			Westbound (US 29)	45.04	D
66	Signalized	US 29 (Centreville)/Route 28 SB On-Ramp/Newgate Shopping Center Entrance	Southbound (Shopping Center)	41.75	D
			Eastbound (US 29)	19.72	B
			Westbound (US 29)	81.64	F
67	Signalized	US 29 (Centreville)/Route 28 NB Ramp	Northbound (Route 28)	75.02	E
			Eastbound (US 29)	3.24	A
			Westbound (US 29)	12.66	B
68	Signalized	US 29 (Centreville)/Old Centreville Road/Braddock Road	Northbound (Old Centreville Rd)	156.07	F
			Southbound (Braddock Rd)	35.28	D
			Eastbound (US 29)	15.67	B
			Westbound (US 29)	88.09	F
69	Signalized	Fairfax County Parkway SB Ramps/Monument Drive	Southbound (Fairfax County Parkway)	16.48	B
			Westbound (Monument Dr)	5.6	A
70	Signalized	Fairfax County Parkway NB Ramps/Monument Drive	Northbound (Fairfax County Parkway)	12.7	B
			Eastbound (Monument Dr)	52.87	D
			Westbound (Monument Dr)	32.77	C
71	Signalized	Fairfax County Parkway SB Ramps/Fair Lakes Parkway (North Intersection)	Southbound (Fairfax County Parkway)	14.03	B
			Eastbound (Fair Lakes Pkwy)	7.9	A
			Westbound (Fair Lakes Pkwy)	12.27	B
72	Signalized	Fairfax County Parkway NB Ramps/Fair Lakes Parkway (North Intersection)	Northbound (Fairfax County Parkway)	36.31	D
			Eastbound (Fair Lakes Pkwy)	28.14	C
			Westbound (Fair Lakes Pkwy)	25.81	C
73	Signalized	Fairfax County Parkway SB Ramps/US 29 (Centreville)	Southbound (Fairfax County Parkway)	66.21	E
			Westbound (US 29)	19.22	B
74	Signalized	Fairfax County Parkway NB Ramps/US 29 (Centreville)	Northbound (Fairfax County Parkway)	6.42	A
			Westbound (US 29)	61.71	E

Intersection Level of Service by Approach - Existing PM Conditions					
Figure Intersection ID	Signalization	Intersection Name	Approach	Delay	LOS
75	Signalized	West Ox Road/US 29 (Centreville) Off-Ramp	Northbound (West Ox Road)	0.78	A
			Southbound (West Ox Road)	126.4	F
			Westbound (US 29 Ramp)	1380.65	F
76	Signalized	US 29 (Centreville) WB Off-Ramp/Fairfax County Parkway SB On-Ramp	Southbound (Fairfax County Parkway Ramp)	8.04	A
			Eastbound (US 29 Ramp)	21.27	C
77	Signalized	US 29 (Centreville) WB On-Ramp/Fairfax County Parkway NB Off-Ramp	Northbound (Fairfax County Parkway Ramp)	35.9	D
			Eastbound (US 29 Ramp)	4.83	A
78	Signalized	West Ox Road/US 29 (Centreville) On-Ramp	Northbound (West Ox Road)	22.13	C
			Southbound (West Ox Road)	27.12	C
			Eastbound (US 29 Ramp)	9.84	A
79	Signalized	West Ox Road/US 50 SB Off-Ramp	Northbound (West Ox Road)	14.66	B
			Southbound (West Ox Road)	18.03	B
			Eastbound (US 50)	34.53	C
81	Signalized	Route 7/Express Lanes Ramps/I-495 NB On-Ramp	Northbound (Express Lanes)	87.92	F
			Eastbound (Route 7)	24.51	C
			Westbound (Route 7)	20.07	C
82	Signalized	US 29 (Merrifield) /I-495 Express Lanes Ramps	Northbound (Express Lanes)	33.99	C
			Eastbound (US 29)	23.5	C
			Westbound (US 29)	9.35	A
83	Signalized	Gallows Road/I-495 SB Off-Ramp/Woodburn Road	Northbound (Woodburn Rd)	57.04	E
			Southbound (I-495)	139.79	F
			Eastbound (Gallows Rd)	322.96	F
			Westbound (Gallows Rd)	80.45	F
84	Signalized	Gallows Road/I-495 Express Lanes Ramps	Southbound (I-495)	54.37	D
			Eastbound (Gallows Rd)	33.78	C
			Westbound (Gallows Rd)	4.45	A
85	Signalized	Gallows Road/I-495 Express Lanes Ramps	Northbound (I-495)	75.61	E
			Eastbound (Gallows Rd)	4.41	A
			Westbound (Gallows Rd)	32.19	C
86	Signalized	Westfields Boulevard/Park Meadow Dr/Newbrook Dr	Northbound (Westfields Blvd)	18.06	B
			Southbound (Westfields Blvd)	28.6	C
			Eastbound (Park Meadow Dr)	16.48	B
			Westbound (Newbrook Dr)	53.51	D
87	Signalized	Westfields Boulevard/Stonecroft Boulevard	Northbound (Westfields Blvd)	29.71	C
			Southbound (Westfields Blvd)	46.38	D
			Eastbound (Stonecroft Blvd)	260.11	F
			Westbound (Stonecroft Blvd)	36.71	D