

APPENDIX E – TABULAR SUMMARY OF VOLUME BALANCING EXERCISE

E-1 – E-2

AM Peak Hour **1** - Volume Balancing Comparison Summary

E-3 – E-4

AM Peak Hour **2** - Volume Balancing Comparison Summary

E-5 – E-6

PM Peak Hour **1** - Volume Balancing Comparison Summary

E-7 – E-8

PM Peak Hour **2** - Volume Balancing Comparison Summary

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

AM Peak Hour 1 (7:00-8:00 AM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
1121	Fairfax County Pkwy at Richmond Hwy (Rte 1)				-5%		0%	0%	0%	0%	0%	0%	0%	
1231	Fairfax County Pkwy at Backlick Rd (South)		3%	0%	-4%	6%	0%	0%	0%	0%	0%	0%	8%	
1321	Fairfax County Pkwy at John Kingman/ Farrar Drive	7%	3%	7%	4%	18%	9%	0%	0%	0%	0%	0%	7%	Unbal: 1115, Bal: 1320 (205) - VDOT TMC: 1329
1431	Fairfax County Pkwy at Ehlers Rd	0%	-10%			2%								
1521	Fairfax County Pkwy NB Ramp at Telegraph Road	0%	0%	-8%				8%	1%			-3%	0%	
1522	Fairfax County Pkwy SB Ramp at Telegraph Road				7%		7%		3%	-5%	-7%	2%		
1621	Fairfax County Pkwy at Backlick Rd (North)		-3%	-10%	9%	2%							0%	Unbal: 100, Bal: 90 (-10) - VDOT TMC: 252
1721	Fairfax County Pkwy at Terminal Road	8%	11%	0%	0%	7%	4%	8%		0%	0%	0%	7%	Unbal: 1325, Bal: 1475 (150) - VDOT TMC: 1812
1801	VA-286 SB to I-95 SB Ramp						-5%							
1802	VA-286 NB to I-95 SB Ramp								-5%					
1803	VA-286 NB to I-95 NB Ramp			-5%										
1804	VA-286 SB to I-95 NB Ramp								1%				-7%	
1806	I-95 NB to VA-286 NB Ramp												7%	
1807	I-95 SB to VA-286 Ramp												5%	
1808	I-95 SB at VA-286 SB Ramp									7%				
1809	VA-286 NB to Backlick Rd Ramp		-3%											
1821	Fairfax County Pkwy at Loisdale		10%	-7%	-8%	5%	34%		0%	4%	8%		8%	Unbal: 1290, Bal: 1420 (130) - VDOT TMC: 1920
1901	VA-286 SB to Boudinot Dr Ramp						-10%							1821: 34% increase due to balancing to the highest ramp volume collected (ADT 530, TMC 395, VDOT 508)
1902	VA-286 NB to Boudinot Dr Ramp			-4%										
1905	Boudinot Dr to VA-286 SB Ramp								9%					
1906	Boudinot Dr to VA-286 NB Ramp												9%	
2001	VA-286 SB to Barta Rd Ramp						-5%							
2003	VA-286 NB to Barta Rd Ramp												-4%	
2005	Barta Rd to VA-286 SB Ramp			4%										
2006	Barta Rd EB to VA-286 NB Ramp													
2007	Barta Rd WB to VA-286 NB Ramp													
2008	Barta Rd WB to VA-286 SB Ramp									0%				
2021	NB Fairfax County Pkwy at Barta Rd	0%		-6%				-6%				17%	0%	Unbal: 30, Bal: 35 (5) - VDOT TMC: 60
2022	Rolling Rd/Fairfax County Pkwy SB Ramp at Barta Rd							4%	4%			-5%	0%	
2023	SB Fairfax County Pkwy at Barta Rd	0%		0%	-8%	0%	0%		6%			-20%	0%	Unbal: 100, Bal: 80 (-20) - VDOT TMC: 200
2105	VA-286 SB to VA-286 SB Ramp													
2121	Fairfax County Pkwy at Rolling Rd (South)		-1%	-8%	-6%	9%								
2122	Fairfax County Pkwy at Rolling Rd (North)	0%	-7%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	
2231	Fairfax County Pkwy at Stream Way		-9%	0%	0%	2%								
2321	Fairfax County Pkwy at Whitlers Creek Dr/Hoos Rd	0%	-8%	0%		3%	0%	0%	0%	-8%	0%	0%	0%	
2421	NB Fairfax County Pkwy at Olde Lantern Way	7%	7%	0%				15%	0%			17%	0%	EBL Unbal: 135, EBL Bal: 155 (20) - VDOT TMC: 20 WBT Unbal: 30, WBT Bal: 35 (5) - VDOT TMC 200
2422	SB Fairfax County Pkwy at Gambriell Rd				0%	-2%	-10%	-10%	3%	-10%	-13%			SBR Unbal: 150, SBR Bal: 135 (-15) - VDOT TMC: 250 WBT Unbal: 80, WBT Bal: 70 (-10) - VDOT TMC 220
2521	NB Fairfax County Pkwy at Sydenstricker Rd	0%	-14%	-12%				0%	0%	0%	0%	0%	20%	NBT Unbal: 70, NBT Bal: 60 (-10) - VDOT TMC: 25 NBR Unbal: 170, NBR Bal: 150 (-20) - VDOT TMC 140 WBR Unbal: 50, WBR Bal: 60 (10) - VDOT TMC 10
2522	SB Fairfax County Pkwy at Sydenstricker Rd				0%	0%	0%	0%	0%	0%	0%	0%	0%	
2631	Fairfax County Pkwy at Hoos Rd (South)		-7%	0%	0%	4%							0%	
2721	NB Fairfax County Pkwy at Pohick Rd	13%	-4%					0%						NBL Unbal: 40, NBL Bal: 45 (5) - VDOT TMC: 240
2722	SB Fairfax County Pkwy at Pohick Rd				0%	0%	-3%	-2%	0%	0%		-27%		WBT Unbal: 55, WBT Bal: 40 (-15) - VDOT TMC: 200
2723	NB Fairfax County Pkwy at Seabrook Ln	-4%	0%	0%				0%	0%				0%	
2724	SB Fairfax County Pkwy at Seabrook Ln				0%	0%	0%	-3%	0%	0%		-4%		
2831	NB Fairfax County Pkwy at Cervantes Ln		-7%	0%		4%							0%	
2931	Fairfax County Pkwy at Modisto Ln	0%	-3%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	
3031	NB Fairfax County Pkwy at Huntsman Ct		-5%	10%		3%								NBR Unbal: 50, NBR Bal: 55 (5) - No VDOT TMC since this is unsignalized
3121	Fairfax County Pkwy at Huntsman Blvd	0%	-6%	7%	10%	3%	0%	-7%	0%	0%	-9%	0%	-7%	
3221	Fairfax County Pkwy at Reservation Dr	0%	-6%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	
3321	Fairfax County Pkwy at Lee Chapel Rd	8%	-8%	10%	0%	6%	0%	-10%	0%	-10%	-8%	0%	0%	NBR Unbal: 100, NBR Bal: 110 (10) - VDOT TMC 120 EBR Unbal: 450, EBR Bal: 405 (-45) - VDOT TMC 288
3431	Fairfax County Pkwy at Rolling View Dr/Pilot House Rd	0%	-7%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	
3531	Fairfax County Pkwy at Portside Dr/Waterline Dr		-6%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	
3621	Fairfax County Pkwy at Old Keene Mill Rd		-8%	7%	9%	5%							-10%	WBR Unbal: 250, WBR Bal: 225 (-25) - VDOT TMC 308
3721	Fairfax County Pkwy at Burke Lake Rd	0%	3%		8%	10%	8%	-9%	0%	-6%	0%	0%	-7%	Unbal: 2325, Bal: 2560 (235) - VDOT TMC: 2580
3831	NB Fairfax County Pkwy at Knolls Pond Ln		0%			13%							0%	Unbal: 2440, Bal: 2765 (325) - No VDOT TMC since this is unsignalized
3921	Fairfax County Pkwy at Karmich St/Roberts Pkwy		2%	6%	7%	15%	0%	0%	0%	0%	-7%		-10%	Unbal: 2220, Bal: 2560 (340) - No VDOT TMC since this is unsignalized
4031	SB Fairfax County Pkwy at Wendy Ann Ct		1%			14%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2385, Bal: 2715 (330) - No VDOT TMC since this is unsignalized
4131	Fairfax County Pkwy at New Rd	0%	-2%			12%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2395, Bal: 2690 (295) - No VDOT TMC since this is unsignalized
4231	Fairfax County Pkwy at Freds Oak Rd	0%	-4%	0%	0%	11%	0%	0%	0%	0%	0%		-8%	Unbal: 2405, Bal: 2670 (265) - No VDOT TMC since this is unsignalized
4304	Ox Rd SB to VA-286 NB		-4%			11%	0%							Unbal: 2220, Bal: 2460 (240) - No VDOT TMC since this is a mainline segment
4307	VA-286 SB to Ox Rd		3%			9%							0%	
4321	NB Fairfax County Pkwy Ramps at Ox Rd	0%	0%	0%					2%	0%		0%	0%	
4322	Robert Carter Rd/SB Fairfax County Pkwy at Ox Rd	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	
4421	Fairfax County Pkwy at Burke Center Pkwy		3%	0%	14%	9%							-9%	Unbal: 180, Bal: 205 (25) - VDOT TMC: 212
4531	Fairfax County Pkwy at Nomes St/Ladues End Ln	0%	4%			12%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2810, Bal: 3135 (325) - No VDOT TMC since this is unsignalized
4631	Fairfax County Pkwy at Colchester Meadow Ln		1%			11%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2835, Bal: 3135 (300) - No VDOT TMC since this is unsignalized
4721	Fairfax County Pkwy at Popes Head Rd	0%	2%	0%	9%	9%	0%	0%	0%	-8%	0%	0%	-9%	
4821	SB Fairfax County Pkwy Ramps at Braddock Rd				0%	0%	0%	3%	0%	0%	0%	2%		
4822	NB Fairfax County Pkwy/Community Center at Braddock Rd	0%			0%	0%	7%	0%	0%	0%	0%	3%	-9%	
4921	NB Fairfax County Pkwy at W Ox Rd (North)		5%			0%	0%	0%	0%	0%		-4%	0%	
4922	NB Fairfax County Pkwy at W Ox Rd (South)		5%	9%	0%			0%	0%					
4923	VA-286 NB at 286 Ramps (North)	-7%	-9%										0%	-7%
4924	VA-286 NB at 286 Ramps (South)		0%					-9%	0%					
4925	VA-286 SB at 286 Ramps (North)				0%	0%	0%				-1%	8%		
4926	VA-286 SB at 286 Ramps (South)				0%	0%		-3%	0%					
5001	VA-286 SB to I-66 WB Ramp						0%							I-66 Project Comparison to FCP (note: I-66 peak hour is 7:00-8:00)
5002	VA-286 NB to I-66 WB Ramp						0%							I-66 Project (415) vs. FCP Project (465) = 12% difference
5003	VA-286 NB to I-66 EB Ramp			4%										I-66 Project (1295) vs. FCP Project (1385) = 7% difference
5004	VA-286 SB to I-66 EB Ramp			7%										I-66 Project (255) vs. FCP Project (245) = -2% difference
5005	I-66 EB to VA-286 SB Ramp						0%							I-66 Project (245) vs. FCP Project (270) = 10% difference
5005	I-66 EB to VA-286 SB Ramp								0%					I-66 Project (895) vs. FCP Project (1130) = 26% difference

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

AM Peak Hour 1 (7:00-8:00 AM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR		
5006	I-66 EB to VA-286 NB Ramp													-5%	I-66 Project (970) vs. FCP Project (970) = 0% difference
5007	I-66 WB to VA-286 NB Ramp													-4%	I-66 Project (315) vs. FCP Project (400) = 27% difference
5008	I-66 WB to VA-286 SB Ramp														I-66 Project (115) vs. FCP Project (130) = 13% difference
5121	NB Fairfax County Pkwy at Fair Lakes Pkwy	0%	0%	3%				0%	3%			3%	0%		
5122	SB Fairfax County Pkwy at Fair Lakes Pkwy				0%	0%	-4%		0%	0%	0%	0%	0%		
5221	NB Fairfax County Pkwy at Monument Dr		-3%	-5%					3%			-5%	7%		
5222	SB Fairfax County Pkwy at Monument Dr				0%	0%					0%				
5301	VA-286 SB to US-50 WB						0%								
5302	VA-286 NB to US-50 WB			8%											
5303	US-50 EB to VA-286 SB									0%					
5304	VA-286 SB to US-50 EB						0%								
5321	Fairfax County Pkwy at Route 50 EB Ramps		1%	0%		2%									
5322	Fairfax County Pkwy at Route 50 WB Ramps		1%			1%					0%				
5421	Fairfax County Pkwy at Rugby Rd	0%	-5%	9%	0%	2%	0%	-9%	0%	-7%	-9%	0%	-7%		
5531	SB Fairfax County Pkwy at Old Plains Rd		-5%			-3%	0%								
5621	Fairfax County Pkwy at Stringfellow Rd	0%	7%	0%		-2%	0%	-9%	0%	-11%	0%	0%	0%	0%	Unbal: 95, Bal: 85 (-10) - VDOT TMC 294
5721	Fairfax County Pkwy at Tuckaway Dr/Springhaven Dr	10%	8%	0%	0%	-2%	0%	-7%	0%	0%	0%	0%	0%	0%	NBL Unbal: 50, NBL Bal: 55 (5) - VDOT TMC: 240
5821	Fairfax County Pkwy at Franklin Farm Rd	9%	9%	0%	0%	-2%	9%	-8%	0%	0%	0%	0%	0%	0%	
5921	Fairfax County Pkwy at West Ox Rd	9%	10%	0%	9%	0%	9%	-10%	0%	-10%	-10%	0%	-10%	0%	EBR Unbal: 300, EBR Bal: 270 (-30) - VDOT TMC 304 WBL Unbal: 50, WBL Bal: 45 (-5) - VDOT TMC 88
6021	Fairfax County Pkwy at Fox Mill Rd	8%	9%	6%	7%	1%	0%	-5%	0%	-9%	-10%	0%	-9%	0%	
6121	Fairfax County Pkwy at Sunrise Valley Dr	9%	13%	9%	10%	2%	10%	-10%	0%	0%	-8%	0%	-8%	0%	NBT Unbal: 1360, NBT Bal: 1540 (180) - VDOT TMC: 1766
6221	Fairfax County Pkwy at Dulles Toll Rd EB Ramps		6%	8%	0%	5%	0%								
6222	Fairfax County Pkwy at Dulles Toll Rd WB Ramps	6%	4%			7%	0%				0%	0%	-7%		
6303	Fairfax County Pkwy at Sunset Hills Rd Ramps			6%											
6321	Fairfax County Pkwy at Spring St				0%	-3%	0%	0%					-3%		
6322	Fairfax County Pkwy at Sunset Hills Rd Ramp	-6%	0%			8%	0%	0%							
6421	Fairfax County Pkwy at New Dominion Pkwy		2%	0%	9%	6%					0%		7%		
6501	Fairfax County Pkwy at Baron Cameron Ave Ramps (North)						0%								
6503	Fairfax County Pkwy at Baron Cameron Ave Ramps (South)			0%						0%					
6521	Fairfax County Pkwy at Baron Cameron Ave	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
6631	SB Fairfax County Pkwy at N Walnut Branch Rd (South)		4%			7%	0%								
6721	Fairfax County Pkwy at N Walnut Branch Rd	0%	4%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%		
6821	Fairfax County Pkwy at Lake Newport Rd	0%	4%	8%	0%	10%	0%	0%	0%	0%	0%	0%	0%		
6931	Fairfax County Pkwy at Sugarland Valley Dr	0%	1%			4%	0%	0%	0%	0%	0%	0%	0%		
7021	Fairfax County Pkwy at Wiehle Ave	6%	2%	9%	0%	5%	0%	0%	0%	0%	0%	0%	-6%		
7131	Fairfax County Pkwy at Heather Way	0%	4%			-1%	0%	0%	0%	0%	0%	0%	0%		
7221	Fairfax County Pkwy at Sugarland Rd	0%	3%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%		
7321	Fairfax County Pkwy at Leesburg Pike EB Ramps		4%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%		
7322	Fairfax County Pkwy at Leesburg Pike WB Ramp	0%	7%			-1%	0%						0%		
7421	Fairfax County Pkwy at Cupleaf Holly Ct														
Through movements balanced to the adjacent Route 7 intersection															
2123	Rolling Rd/Franconia Springfield Pkwy On-Ramp/Barkers Ct	4%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%		
7521	Franconia Springfield Pkwy at Bonniemill Ln/Spring Village Dr	0%	0%	0%	0%	0%	-10%	8%	6%	0%	0%	-8%	0%		Unbal: 50, Bal: 45 (-5) - VDOT TMC 76
7531	Bonniemill Ln at Hoopes Rd	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%		
7621	Franconia Springfield Pkwy EB Ramps at Backlick Rd	0%	-10%	0%	0%	0%	0%	16%	20%	0%	0%	0%	0%	0%	EBL Unbal: 1180, EBL Bal: 1370 (190) - VDOT TMC 1392 EBR Unbal: 50, EBR Bal: 60 (10) VDOT TMC276
7622	Franconia Springfield Pkwy WB Ramps at Backlick Rd	-8%	5%		0%	3%	-11%	0%	0%	0%	0%	0%	0%	0%	Unbal: 265, Bal: 235 (-265) - VDOT TMC 368
7721	Franconia Springfield Pkwy EB Ramps at I-95 HOV Ramp	-8%		0%				20%	54%			-7%	0%		this intersection is an apparent low volume count since the end points don't reflect significant volume adjustments; HOV held to a max change of 20%
7821	Franconia Springfield Pkwy EB Ramps at Frontier Dr		9%	0%	0%	0%		19%		19%				0%	EBL Unbal: 550, EBL Bal: 655 (105) - VDOT TMC 968 EBR Unbal: 710, EBR Bal: 845 (135) VDOT TMC 972
7822	Franconia Springfield Pkwy WB Ramps at Frontier Dr	-11%	15%		0%	-9%					0%	0%	0%	0%	NBL Unbal: 90, NBL Bal: 80 (-10) - VDOT TMC 410 NBT Unbal: 715, NBT Bal: 825 (110) VDOT TMC 1034
7931	Franconia Springfield Pkwy at Metrostation Loop						0%						0%		
8031	Franconia Springfield Pkwy at Walker Ln						0%						-1%	0%	
8121	Franconia Springfield Pkwy at Beulah St	-4%	0%	0%	0%	0%	-3%	-6%	-5%	-5%	0%	-4%	0%		
8131	Beulah St at Alforth Ave	0%	-1%			-4%	0%			0%					
8132	Beulah St at Lewin Dr/Shopping Center		5%	8%		-6%							0%		
8133	Beulah St at Metro Park Dr/Charles Arrington Dr	4%	4%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%		

Segment 1 - US Route 1 to Franconia Springfield Parkway
 Segment 2 - Franconia Springfield Parkway to Cupleaf Holly Court
 Segment 3 - Rolling Road to Beulah Street

Study intersection located off of the mainline Fairfax County Parkway/Franconia-Springfield Parkway (i.e. interchange or expanded study area)
 Ramp connection to/from Fairfax County Parkway
 XX% ± 5-10% change XXX% ± 10-20% change XXX% ± 20% or more change

Summary of Total Volume	
Total Network Volume (Unbalanced)	347,895
Total Network Volume (Balanced)	358,035
Total Network Volume Percent Change	3%

Summary of Total Volume Adjustments (by segment)	
# Mainline Turns/Side Street Movements	917
# Mainline Turns/Side Street Movements Adj (+/- 10% or more)	32 3.49%
# Mainline Through Movements (NB/EB)	124
# Mainline Through Movements (NB/EB) Adj (+/- 10% or more)	5 4.03%
# Mainline Through Movements (SB/WB)	117
# Mainline Through Movements (SB/WB) Adj (+/- 10% or more)	10 8.55%
Segment 1, NBT	150
Segment 1, SBT	770
Segment 1, Sidestreets	265
Segment 1, Mainline Turns	-55
Segment Percent Change:	2%
Segment 2, NBT	0
Segment 2, SBT	5,860
Segment 2, Sidestreets	-585
Segment 2, Mainline Turns	610
Segment Percent Change:	2%
Segment 3, EBT	2,800
Segment 3, WBT	-190
Segment 3, Sidestreets	95
Segment 3, Mainline Turns	420
Segment Percent Change:	9%

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

AM Peak Hour 2 (8:00-9:00 AM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
1121	Fairfax County Pkwy at Richmond Hwy (Rte 1)				-17%		0%	9%	0%				9%	Unbal: 1110, Bal: 925 (-185) - VDOT TMC: 800
1231	Fairfax County Pkwy at Backlick Rd (South)		10%	0%	-5%	14%					0%		8%	NBT Unbal: 1205, NBT Bal: 1330 (125) SBT Unbal: 835, SBT Bal: 950 (115) - No VDOT TMC since this is unsignalized
1321	Fairfax County Pkwy at John Kingman/ Farrar Drive	9%	10%	9%	-10%	-3%	-10%	0%	0%	0%	9%	0%	10%	NBT Unbal: 835, NBT Bal: 920 (85) - VDOT TMC: 944 WBR Unbal: 100, WBR Bal: 110 (10) - VDOT TMC 150
1431	Fairfax County Pkwy at Ehlers Rd		0%			5%								
1521	Fairfax County Pkwy NB Ramp at Telegraph Road	0%		-6%				6%	1%			-1%	7%	
1522	Fairfax County Pkwy SB Ramp at Telegraph Road				7%		7%		3%	-5%	-9%	0%		
1621	Fairfax County Pkwy at Backlick Rd (North)		-2%	-5%	-8%	8%							10%	Unbal: 50, Bal: 55 (5) - VDOT TMC 126
1721	Fairfax County Pkwy at Terminal Road	-5%	-3%	0%	-8%	0%	-9%	8%	0%	-9%	0%	0%	6%	
1801	VA-286 SB to I-95 SB Ramp						-7%							
1802	VA-286 NB to I-95 SB Ramp								0%					
1803	VA-286 NB to I-95 NB Ramp			3%										
1804	VA-286 SB to I-95 NB Ramp								4%				-1%	
1806	I-95 NB to VA-286 NB Ramp												0%	
1807	I-95 SB to VA-286 Ramp												4%	
1808	I-95 SB at VA-286 SB Ramp									0%				
1809	VA-286 NB to Backlick Rd Ramp		0%											
1821	Fairfax County Pkwy at Loisdale		3%	-4%	-10%	2%	34%		0%	10%	7%		9%	34% increase due to balancing to the highest ramp volume collected (ADT 515, TMC 385, VDOT 508)
1901	VA-286 SB to Boudinot Dr Ramp						-9%							
1902	VA-286 NB to Boudinot Dr Ramp			-5%										
1905	Boudinot Dr to VA-286 SB Ramp								4%					
1906	Boudinot Dr to VA-286 NB Ramp												0%	
2001	VA-286 SB to Barta Rd Ramp						-4%							
2003	VA-286 NB to Barta Rd Ramp													
2005	Barta Rd to VA-286 SB Ramp			0%										
2006	Barta Rd EB to VA-286 NB Ramp													
2007	Barta Rd WB to VA-286 NB Ramp													
2008	Barta Rd WB to VA-286 SB Ramp									0%				
2021	NB Fairfax County Pkwy at Barta Rd	0%		0%					-3%			33%	0%	Unbal: 30, Bal: 40 (10) - VDOT TMC: 60
2022	Rolling Rd/Fairfax County Pkwy SB Ramp at Barta Rd				0%	0%	0%	0%	1%	0%		-4%	0%	
2023	SB Fairfax County Pkwy at Barta Rd	0%		0%	-4%	0%	-5%		2%	0%	0%	0%	0%	
2105	VA-286 SB to VA-286 SB Ramp									3%				
2121	Fairfax County Pkwy at Rolling Rd (South)		-2%	0%	-9%	17%					0%		0%	Unbal: 610, Bal: 715 (105) - VDOT TMC: 356
2122	Fairfax County Pkwy at Rolling Rd (North)	0%	-8%	0%	0%	9%	0%	0%	0%	0%	-7%	0%	-3%	
2231	Fairfax County Pkwy at Stream Way		0%	0%	0%	-2%								
2321	Fairfax County Pkwy at Whitlers Creek Dr/Hooes Rd	0%	-1%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	
2421	NB Fairfax County Pkwy at Olde Lantern Way	7%	-4%	0%				-6%	0%			20%	0%	Unbal: 25, Bal: 30 (5) - VDOT TMC: 200
2422	SB Fairfax County Pkwy at Gambriell Rd				0%	0%	-9%	7%	2%	-25%	-17%			WBL Unbal: 40, WBL Bal: 30 (-10) - VDOT TMC: 85 WBT Unbal: 90, WBT Bal: 75 (-15) - VDOT TMC 220
2521	NB Fairfax County Pkwy at Sydenstricker Rd	-14%	-7%	-9%				0%	7%	0%			10%	NBL Unbal: 35, NBL Bal: 30 (-5) - VDOT TMC: 395 WBR Unbal: 50, WBR Bal: 55 (5) - VDOT TMC 10
2522	SB Fairfax County Pkwy at Sydenstricker Rd				0%	0%	0%	0%	0%	-1%	0%			
2631	Fairfax County Pkwy at Hooes Rd (South)		0%	0%	0%	-1%					0%		0%	
2721	NB Fairfax County Pkwy at Pohick Rd	0%	0%					0%						
2722	SB Fairfax County Pkwy at Pohick Rd					-1%	-3%		2%	7%	0%	-10%		Unbal: 50, Bal: 45 (-5) - VDOT TMC: 200
2723	NB Fairfax County Pkwy at Seabrook Ln	-3%	0%	0%				0%	0%			0%	0%	
2724	SB Fairfax County Pkwy at Seabrook Ln				0%	8%	-7%		1%	8%	0%	-3%		
2831	NB Fairfax County Pkwy at Cervantes Ln		5%	0%		-1%							0%	
2931	Fairfax County Pkwy at Modisto Ln	0%	-1%	0%	0%	-1%	0%	0%		0%	0%	0%	0%	
3031	NB Fairfax County Pkwy at Huntsman Ct		0%	-9%		-1%							0%	
3121	Fairfax County Pkwy at Huntsman Blvd	0%	1%	0%	-5%	0%	0%	0%	0%	0%	3%	0%	6%	
3221	Fairfax County Pkwy at Reservation Dr	0%	3%	5%	0%	1%	0%	0%	0%	0%	0%	0%	-8%	
3321	Fairfax County Pkwy at Lee Chapel Rd	0%	3%	4%	0%	0%	0%	0%	0%	0%	3%	0%	0%	
3431	Fairfax County Pkwy at Rolling View Dr/Pilot House Rd	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	
3531	Fairfax County Pkwy at Portside Dr/Waterline Dr		3%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	
3621	Fairfax County Pkwy at Old Keene Mill Rd		1%	0%	2%	5%			0%	0%	0%		9%	
3721	Fairfax County Pkwy at Burke Lake Rd	0%	8%		4%	6%	0%	-4%	0%	0%	0%	0%	7%	
3831	NB Fairfax County Pkwy at Knolls Pond Ln		5%	0%		6%							0%	
3921	Fairfax County Pkwy at Karmich St/Roberts Pkwy	0%	4%	3%	5%	5%	0%	0%	0%		6%		0%	
4031	SB Fairfax County Pkwy at Wendy Ann Ct		4%			5%				0%				
4131	Fairfax County Pkwy at New Rd	0%	0%			3%	0%	0%		0%				
4231	Fairfax County Pkwy at Freds Oak Rd	0%	1%	0%	0%	4%	0%	0%		0%			0%	
4304	Ox Rd SB to VA-286 NB						0%							
4307	VA_286 SB to Ox Rd													
4321	NB Fairfax County Pkwy Ramps at Ox Rd	0%		0%					0%	0%		2%		
4322	Robert Carter Rd/SB Fairfax County Pkwy at Ox Rd	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	
4421	Fairfax County Pkwy at Burke Center Pkwy		-4%	0%	3%	6%					0%		8%	
4531	Fairfax County Pkwy at Nomes St/Ladues End Ln	0%	-2%			7%	0%	0%		0%	0%		0%	
4631	Fairfax County Pkwy at Colchester Meadow Ln		1%			6%		0%		0%	0%		0%	
4721	Fairfax County Pkwy at Popes Head Rd	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	
4821	SB Fairfax County Pkwy Ramps at Braddock Rd				-5%		-7%		0%	5%	0%	0%	0%	
4822	NB Fairfax County Pkwy/Community Center at Braddock Rd	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	1%	0%	
4921	NB Fairfax County Pkwy at W Ox Rd (North)		0%			25%	5%					6%	0%	Unbal: 20, Bal: 25 (5) - VDOT TMC: 78
4922	NB Fairfax County Pkwy at W Ox Rd (South)		0%	0%	0%			-3%	-4%					
4923	VA-286 NB at 286 Ramps (North)	0%	0%									9%	0%	
4924	VA-286 NB at 286 Ramps (South)		0%					-2%	-1%					
4925	VA-286 SB at 286 Ramps (North)										10%	0%		
4926	VA-286 SB at 286 Ramps (South)				-8%	7%			1%	9%				
5001	VA-286 SB to I-66 WB Ramp						-7%							I-66 Project Comparison to FCP (note: I-66 peak hour is 7:00-8:00)
5002	VA-286 NB to I-66 WB Ramp													I-66 Project (415) vs. FCP Project (400) = -4% difference
5003	VA-286 NB to I-66 EB Ramp		2%											I-66 Project (1295) vs. FCP Project (1205) = -7% difference
5004	VA-286 SB to I-66 EB Ramp		0%											I-66 Project (255) vs. FCP Project (265) = 4% difference
5005	I-66 EB to VA-286 SB Ramp						-7%			8%				I-66 Project (245) vs. FCP Project (255) = 4% difference
														I-66 Project (895) vs. FCP Project (1150) = 28% difference

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

AM Peak Hour 2 (8:00-9:00 AM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
5006	I-66 EB to VA-286 NB Ramp												-2%
5007	I-66 WB to VA-286 NB Ramp												-4%
5008	I-66 WB to VA-286 SB Ramp									8%			
5121	NB Fairfax County Pkwy at Fair Lakes Pkwy	0%	0%	0%			0%	-2%			8%		0%
5122	SB Fairfax County Pkwy at Fair Lakes Pkwy				-4%	0%	-9%	2%		-7%	0%	1%	
5221	NB Fairfax County Pkwy at Monument Dr	0%	0%	0%					-5%			-3%	0%
5222	SB Fairfax County Pkwy at Monument Dr				-5%	-2%					0%		
5301	VA-286 SB to US-50 WB						0%						
5302	VA-286 NB to US-50 WB			0%									
5303	US-50 EB to VA-286 SB									0%			
5304	VA-286 SB to US-50 EB							-1%					
5321	Fairfax County Pkwy at Route 50 EB Ramps		5%	0%		10%							
5322	Fairfax County Pkwy at Route 50 WB Ramps		6%			7%					0%		
5421	Fairfax County Pkwy at Rugby Rd	0%	4%	9%	-8%	5%	0%	-2%	0%	5%	8%	0%	-5%
5531	SB Fairfax County Pkwy at Old Plains Rd		3%			4%	0%			8%			
5621	Fairfax County Pkwy at Stringfellow Rd	0%	7%	0%	0%	4%	-4%	0%		9%	0%		
5721	Fairfax County Pkwy at Tuckaway Dr/Springhaven Dr	9%	7%	0%	0%	4%	0%	0%	0%	7%	0%	0%	0%
5821	Fairfax County Pkwy at Franklin Farm Rd	9%	6%	9%	0%	6%	0%	0%	0%	10%	0%	0%	0%
5921	Fairfax County Pkwy at West Ox Rd	10%	1%	10%	0%	0%	-2%	0%	0%	8%	0%	0%	-6%
6021	Fairfax County Pkwy at Fox Mill Rd	9%	4%	7%	0%	-4%	0%	0%	0%	9%	9%	0%	-7%
6121	Fairfax County Pkwy at Sunrise Valley Dr	4%	-2%	3%	0%	-3%	0%	0%	0%	0%	7%	0%	0%
6221	Fairfax County Pkwy at Dulles Toll Rd EB Ramps		-2%	0%	0%	-2%	0%	0%	0%	0%			
6222	Fairfax County Pkwy at Dulles Toll Rd WB Ramps	0%	0%			-1%	0%				0%	0%	0%
6303	Fairfax County Pkwy at Sunset Hills Rd Ramps			0%						0%			
6321	Fairfax County Pkwy at Spring St				4%	3%	0%	0%				0%	2%
6322	Fairfax County Pkwy at Sunset Hills Rd Ramp	5%				1%	0%	0%		0%			
6421	Fairfax County Pkwy at New Dominion Pkwy		-1%	8%	-9%	3%					9%		-8%
6501	Fairfax County Pkwy at Baron Cameron Ave Ramps (North)						0%						0%
6503	Fairfax County Pkwy at Baron Cameron Ave Ramps (South)			0%						0%			
6521	Fairfax County Pkwy at Baron Cameron Ave	0%		0%	0%		0%	0%	0%	0%	0%	0%	0%
6631	SB Fairfax County Pkwy at N Walnut Branch Rd (South)		2%			-1%	0%			0%			
6721	Fairfax County Pkwy at N Walnut Branch Rd	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6821	Fairfax County Pkwy at Lake Newport Rd	0%	2%	9%	-9%	0%	0%	0%	0%	6%	6%	0%	-8%
6931	Fairfax County Pkwy at Sugarland Valley Dr	0%	-1%			4%	0%	0%	0%	0%			
7021	Fairfax County Pkwy at Wiehle Ave	9%	-4%	10%	-3%	2%	0%	0%	0%	7%	10%	0%	-8%
7131	Fairfax County Pkwy at Heather Way	0%	9%			8%	0%	0%		9%			
7221	Fairfax County Pkwy at Sugarland Rd	0%	-4%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%
7321	Fairfax County Pkwy at Leesburg Pike EB Ramps		-6%	0%	0%	7%	0%	0%		3%			
7322	Fairfax County Pkwy at Leesburg Pike WB Ramp	-6%	-3%			6%	0%				0%		0%
7421	Fairfax County Pkwy at Cupleaf Holly Ct												
Through movements balanced to the adjacent Route 7 intersection													
2123	Rolling Rd/Franconia Springfield Pkwy On-Ramp/Barkers Ct	13%		0%	0%	0%	0%			-7%	0%		
7521	Franconia Springfield Pkwy at Bonniemill Ln/Spring Village Dr	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	-2%	0%
7531	Bonniemill Ln at Hoopes Rd	0%	8%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%
7621	Franconia Springfield Pkwy EB Ramps at Backlick Rd	0%	0%	0%	0%	-1%	0%	-5%		-9%	0%	0%	0%
7622	Franconia Springfield Pkwy WB Ramps at Backlick Rd	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
7721	Franconia Springfield Pkwy EB Ramps at I-95 HOV Ramp	0%		0%				-6%	-4%			1%	0%
7821	Franconia Springfield Pkwy EB Ramps at Frontier Dr		4%	0%	0%	0%			-4%				
7822	Franconia Springfield Pkwy WB Ramps at Frontier Dr	17%	-5%			3%	13%				0%	0%	0%
7931	Franconia Springfield Pkwy at Metrostation Loop						0%						0%
8031	Franconia Springfield Pkwy at Walker Ln						6%					4%	0%
8121	Franconia Springfield Pkwy at Beulah St	5%	0%	0%	0%	0%	4%	-3%	-3%	-3%	0%	5%	0%
8131	Beulah St at Alforth Ave	0%	3%			-3%	0%			0%			
8132	Beulah St at Lewin Dr/Shopping Center		5%	0%		-1%							0%
8133	Beulah St at Metro Park Dr/Charles Arrington Dr	7%	6%	0%	0%	1%	0%	0%		0%	0%	0%	0%

I-66 Project (970) vs. FCP Project (1045) = 8% difference
 I-66 Project (315) vs. FCP Project (550) = 75% difference (note that the raw count is 575)
 I-66 Project (115) vs. FCP Project (195) = 70% difference (note that the raw count is 180)

Unbal: 50, Bal: 55 (5) - VDOT TMC: 78

NBR Unbal: 50, NBR Bal: 55 (5) - VDOT TMC: 80 | WBL Unbal: 50, WBL Bal: 55 (5) - VDOT TMC: 72

NBL Unbal: 115, NBL Bal: 130 (15) - No VDOT TMC since this is not captured in Synchro file

NBR Unbal: 45, NBR Bal: 50 (5) - VDOT TMC: 164

NBL Unbal: 90, NBL Bal: 105 (15) - VDOT TMC: 410 | SBR Unbal: 150, SBR Bal: 170 (20) - VDOT TMC: 106

Segment 1 - US Route 1 and Franconia Springfield Parkway Study intersection located off of the mainline Fairfax County Parkway/Franconia-Springfield Parkway (i.e. interchange or expanded study area)
 Segment 2 - Franconia Springfield Parkway and Cupleaf Holly Court Ramp connection to/from Fairfax County Parkway
 Segment 3 - Rolling Road to Beulah Street

Summary of Total Volume	
Total Network Volume (Unbalanced)	340,055
Total Network Volume (Balanced)	346,915
Total Network Volume Percent Change	2%

Summary of Volume Adjustments	
# Mainline Turns/Side Street Movements	910
# Mainline Turns/Side Street Movements Adj (+/- 10% or more)	18 1.98%
# Mainline Through Movements (NB/EB)	118
# Mainline Through Movements (NB/EB) Adj (+/- 10% or more)	2 1.69%
# Mainline Through Movements (SB/WB)	121
# Mainline Through Movements (SB/WB) Adj (+/- 10% or more)	3 2.48%

Segment	Direction	Volume	Segment Percent Change
Seg 1	NBT	100	Segment Percent Change: 1%
	SBT	595	
Seg 2	NBT	1,530	Segment Percent Change: 2%
	SBT	2,185	
Seg 3	EBT	1,640	Segment Percent Change: 5%
	WBT	85	

Segment	Direction	Volume	Segment Percent Change
Seg 1	Sidestreets	310	Segment Percent Change: 1%
	Mainline Turns	-355	
Seg 2	Sidestreets	565	Segment Percent Change: 2%
	Mainline Turns	125	
Seg 3	Sidestreets	220	Segment Percent Change: 5%
	Mainline Turns	-140	

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

PM Peak Hour 1 (4:30-5:30 PM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
1121	Fairfax County Pkwy at Richmond Hwy (Rte 1)						-5%	9%	0%			0%	7%	
1231	Fairfax County Pkwy at Backlick Rd (South)		20%	0%	0%	-1%					0%	0%	8%	Unbal: 640, Bal: 765 (125) - No VDOT TMC since this is unsignalized
1321	Fairfax County Pkwy at John Kingman/ Farrar Drive	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	Unbal: 720, Bal: 920 (200) - VDOT TMC: 1016
1431	Fairfax County Pkwy at Ehlers Rd		3%			-6%								
1521	Fairfax County Pkwy NB Ramp at Telegraph Road	0%	0%	0%				0%	0%			0%	0%	
1522	Fairfax County Pkwy SB Ramp at Telegraph Road				0%	0%	0%	0%	0%	0%	0%	0%	0%	
1621	Fairfax County Pkwy at Backlick Rd (North)		9%	0%	0%	-12%							0%	Unbal: 1815, Bal: 1605 (-210) - VDOT TMC: 1405
1721	Fairfax County Pkwy at Terminal Road	0%	13%	0%	0%	4%	9%	5%	0%	0%	0%	0%	10%	Unbal: 1555, Bal: 1755 (200) - VDOT TMC: 1740
1801	VA-286 SB to I-95 SB Ramp						0%							
1802	VA-286 NB to I-95 SB Ramp								2%					
1803	VA-286 NB to I-95 NB Ramp			-3%										
1804	VA-286 SB to I-95 NB Ramp								-3%				0%	
1806	I-95 NB to VA-286 NB Ramp												-3%	
1807	I-95 SB to VA-286 Ramp												-4%	
1808	I-95 SB at VA-286 SB Ramp									0%				
1809	VA-286 NB to Backlick Rd Ramp		4%											
1821	Fairfax County Pkwy at Loisdale		12%	-7%	0%	4%	24%		0%	-6%	0%		6%	Unbal: 1860, Bal: 2075 (215) - VDOT TMC: 2215
1901	VA-286 SB to Boudinot Dr Ramp						0%							1821: 24% increase due to balancing to the highest ramp volume collected (ADT 750, TMC 605, VDOT 136)
1902	VA-286 NB to Boudinot Dr Ramp			6%										
1905	Boudinot Dr to VA-286 SB Ramp								0%					
1906	Boudinot Dr to VA-286 NB Ramp												-9%	
2001	VA-286 SB to Barta Rd Ramp						-2%							
2003	VA-286 NB to Barta Rd Ramp												5%	
2005	Barta Rd to VA-286 SB Ramp			0%										
2006	Barta Rd EB to VA-286 NB Ramp												0%	
2007	Barta Rd WB to VA-286 NB Ramp												-5%	
2008	Barta Rd WB to VA-286 SB Ramp									0%				
2021	NB Fairfax County Pkwy at Barta Rd	5%		0%					0%			0%	-5%	
2022	Rolling Rd/Fairfax County Pkwy SB Ramp at Barta Rd				0%	0%	0%	0%	12%			2%	0%	Unbal: 390, Bal: 435 (45) - VDOT TMC: 538
2023	SB Fairfax County Pkwy at Barta Rd	0%		0%	0%	0%	-2%		7%			0%	1%	
2105	VA-286 SB to VA-286 SB Ramp									0%				
2121	Fairfax County Pkwy at Rolling Rd (South)		3%	0%	9%	-5%								
2122	Fairfax County Pkwy at Rolling Rd (North)	0%	-12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Unbal: 935, Bal: 820 (-115) - VDOT TMC: 800
2231	Fairfax County Pkwy at Stream Way		-1%	0%	0%	2%								
2321	Fairfax County Pkwy at Whitlers Creek Dr/Hoos Rd	0%	1%	0%	0%	2%	0%		0%	0%	0%	0%	0%	
2421	NB Fairfax County Pkwy at Olde Lantern Way	7%	-5%	0%				5%	0%			0%	0%	
2422	SB Fairfax County Pkwy at Gambriell Rd				0%	0%	6%		-10%		0%	0%	8%	Unbal: 240, Bal: 215 (-25) - VDOT TMC: 320
2521	NB Fairfax County Pkwy at Sydenstricker Rd	7%	5%	10%				0%	0%				0%	
2522	SB Fairfax County Pkwy at Sydenstricker Rd				0%	0%	0%		0%	0%	0%	0%	9%	
2631	Fairfax County Pkwy at Hoos Rd (South)		0%	7%	0%	0%							0%	
2721	NB Fairfax County Pkwy at Pohick Rd	0%	0%					0%						
2722	SB Fairfax County Pkwy at Pohick Rd				0%	0%	5%		-2%	0%	0%	-5%		
2723	NB Fairfax County Pkwy at Seabrook Ln	-2%	0%	0%				0%	9%			0%	0%	
2724	SB Fairfax County Pkwy at Seabrook Ln				0%	0%	0%		0%	0%	0%	0%		
2831	NB Fairfax County Pkwy at Cervantes Ln		0%	0%	2%									
2931	Fairfax County Pkwy at Modisto Ln	0%	2%	0%	0%	2%	-10%	0%		0%	0%		0%	Unbal: 50, Bal: 45 (-5) - No VDOT TMC since this is unsignalized
3031	NB Fairfax County Pkwy at Huntsman Ct		1%	0%	1%								0%	
3121	Fairfax County Pkwy at Huntsman Blvd	0%	-1%	0%	-9%	2%	0%	0%	0%	0%	2%	0%	0%	
3221	Fairfax County Pkwy at Reservation Dr	0%	-1%	0%	0%	0%	-6%	0%	0%	9%	7%	0%	0%	
3321	Fairfax County Pkwy at Lee Chapel Rd	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	
3431	Fairfax County Pkwy at Rolling View Dr/Pilot House Rd	0%	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	
3531	Fairfax County Pkwy at Portside Dr/Waterline Dr	0%	2%	0%	0%	1%	0%	0%		0%	0%	0%	0%	
3621	Fairfax County Pkwy at Old Keene Mill Rd		3%	11%	0%	1%			0%	0%	0%	0%	0%	Unbal: 45, Bal: 50 (5) - VDOT TMC: 48
3721	Fairfax County Pkwy at Burke Lake Rd	5%	11%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2120, Bal: 2360 (240) - VDOT TMC: 2432
3831	NB Fairfax County Pkwy at Knolls Pond Ln		10%	0%	1%									Unbal: 2380, Bal: 2620 (240) - No VDOT TMC since this is unsignalized
3921	Fairfax County Pkwy at Karmich St/Roberts Pkwy	0%	12%	10%	0%	1%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2140, Bal: 2390 (250) - VDOT TMC: 2460
4031	SB Fairfax County Pkwy at Wendy Ann Ct		11%		2%	0%								Unbal: 2300, Bal: 2550 (250) - No VDOT TMC since this is unsignalized
4131	Fairfax County Pkwy at New Rd	0%	8%		-2%	0%	0%			0%				
4231	Fairfax County Pkwy at Freds Oak Rd	0%	7%	0%	0%	-2%	0%	0%		0%	0%	0%	0%	
4304	Ox Rd SB to VA-286 NB						0%							
4307	VA_286 SB to Ox Rd													
4321	NB Fairfax County Pkwy Ramps at Ox Rd	0%		0%					5%	0%		0%		
4322	Robert Carter Rd/SB Fairfax County Pkwy at Ox Rd	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	
4421	Fairfax County Pkwy at Burke Center Pkwy		5%	0%	0%	-1%							0%	
4531	Fairfax County Pkwy at Nomes St/Ladues End Ln	0%	7%	0%	0%	0%	0%	0%	0%	0%			0%	
4631	Fairfax County Pkwy at Colchester Meadow Ln	0%	5%			0%							0%	
4721	Fairfax County Pkwy at Popes Head Rd	0%	6%	0%	-6%	-2%	0%	0%	0%	0%	0%	0%	0%	
4821	SB Fairfax County Pkwy Ramps at Braddock Rd				0%	0%	0%		-2%	0%	0%	8%		
4822	NB Fairfax County Pkwy/Community Center at Braddock Rd	0%	0%	0%	0%	0%	0%	0%	9%	0%	0%	0%	0%	
4921	NB Fairfax County Pkwy at W Ox Rd (North)	0%	-1%			-7%	0%					0%	0%	
4922	NB Fairfax County Pkwy at W Ox Rd (South)		0%	0%	0%			0%	-3%				0%	
4923	VA-286 NB at 286 Ramps (North)	0%	0%									-1%	0%	
4924	VA-286 NB at 286 Ramps (South)		0%											
4925	VA-286 SB at 286 Ramps (North)					0%	0%					0%		
4926	VA-286 SB at 286 Ramps (South)				0%	2%			0%	0%				I-66 Project Comparison to FCP (note: I-66 peak hour is 5:00-6:00)
5001	VA-286 SB to I-66 WB Ramp						-5%							I-66 Project (690) vs. FCP Project (900) = 30% difference (note that the raw count is 945)
5002	VA-286 NB to I-66 WB Ramp			8%										I-66 Project (610) vs. FCP Project (550) = -10% difference
5003	VA-286 NB to I-66 EB Ramp			0%										I-66 Project (180) vs. FCP Project (205) = 14% difference
5004	VA-286 SB to I-66 EB Ramp						-1%							I-66 Project (425) vs. FCP Project (455) = 7% difference
5005	I-66 EB to VA-286 SB Ramp									0%				I-66 Project (855) vs. FCP Project (460) = -46% difference (note that the raw count is 460)

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR		
5006	I-66 EB to VA-286 NB Ramp													-1%	I-66 Project (560) vs. FCP Project (545) = -3% difference
5007	I-66 WB to VA-286 NB Ramp													-8%	I-66 Project (310) vs. FCP Project (240) = -23% difference
5008	I-66 WB to VA-286 SB Ramp									9%					I-66 Project (250) vs. FCP Project (245) = -2% difference
5121	NB Fairfax County Pkwy at Fair Lakes Pkwy	0%	0%	0%				0%	0%				3%	0%	
5122	SB Fairfax County Pkwy at Fair Lakes Pkwy				0%	0%	2%		0%	0%	0%	0%	0%	0%	
5221	NB Fairfax County Pkwy at Monument Dr	0%	0%	-2%					0%				-2%	0%	
5222	SB Fairfax County Pkwy at Monument Dr				-3%	1%					0%				
5301	VA-286 SB to US-50 WB						0%								
5302	VA-286 NB to US-50 WB			0%											
5303	US-50 EB to VA-286 SB									0%					
5304	VA-286 SB to US-50 EB									-6%					
5321	Fairfax County Pkwy at Route 50 EB Ramps		2%	0%			13%								Unbal: 2575, Bal: 2915 (340) - VDOT TMC: 2548
5322	Fairfax County Pkwy at Route 50 WB Ramps		1%				12%				0%				Unbal: 2805, Bal: 3145 (340) - VDOT TMC: 2900
5421	Fairfax County Pkwy at Rugby Rd	0%	0%	8%	0%		13%	0%	0%		9%	0%	0%		Unbal: 2385, Bal: 2685 (300) - VDOT TMC: 2584
5531	SB Fairfax County Pkwy at Old Plains Rd		0%				13%	0%							Unbal: 2500, Bal: 2820 (320) - No VDOT TMC since this is unsignalized
5621	Fairfax County Pkwy at Stringfellow Rd	6%	1%	0%	0%		14%	3%		8%	0%	0%	0%		Unbal: 2445, Bal: 2780 (335) - VDOT TMC: 2640
5721	Fairfax County Pkwy at Tuckaway Dr/Springhaven Dr		7%	0%	0%		13%	0%	0%	0%	0%	0%	0%		Unbal: 2535, Bal: 2865 (330) - VDOT TMC: 2848
5821	Fairfax County Pkwy at Franklin Farm Rd	6%	5%	8%	0%		12%	5%	0%	0%	10%	7%	0%		Unbal: 2045, Bal: 2290 (245) - VDOT TMC: 2376
5921	Fairfax County Pkwy at West Ox Rd	4%	4%	7%	8%	9%	9%	0%	0%	10%	0%	0%	0%		
6021	Fairfax County Pkwy at Fox Mill Rd	10%	1%	8%	2%	5%	3%	0%	0%	-8%	-12%	0%	0%		NBL Unbal: 145, NBL Bal: 160 (15) - VDOT TMC: 160 WBL Unbal: 85, WBL Bal: 75 (-10) - VDOT TMC: 88
6121	Fairfax County Pkwy at Sunrise Valley Dr	6%	3%	5%	0%	2%	0%	0%	0%	6%	8%	0%	0%		
6221	Fairfax County Pkwy at Dulles Toll Rd EB Ramps		1%	8%	0%	0%		-1%	0%						
6222	Fairfax County Pkwy at Dulles Toll Rd WB Ramps	5%	2%			3%	0%				0%	0%	-4%		
6303	Fairfax County Pkwy at Sunset Hills Rd Ramps			8%											
6321	Fairfax County Pkwy at Spring St				0%	0%	0%	5%	0%				0%	0%	
6322	Fairfax County Pkwy at Sunset Hills Rd Ramp	5%	1%			3%	0%	0%							
6421	Fairfax County Pkwy at New Dominion Pkwy		-1%	9%	0%	0%					0%		-9%		
6501	Fairfax County Pkwy at Baron Cameron Ave Ramps (North)						0%							0%	
6503	Fairfax County Pkwy at Baron Cameron Ave Ramps (South)			8%						-4%					
6521	Fairfax County Pkwy at Baron Cameron Ave	-8%		-9%	0%		0%	0%	0%	-5%	-4%	0%	0%		
6631	SB Fairfax County Pkwy at N Walnut Branch Rd (South)		4%			0%	0%			0%					
6721	Fairfax County Pkwy at N Walnut Branch Rd	0%	4%	10%	0%	-2%	0%	0%	0%	0%	0%	0%	0%		Unbal: 50, Bal: 55 (5) - VDOT TMC: 64
6821	Fairfax County Pkwy at Lake Newport Rd	0%	1%	6%	0%	4%	0%	0%	0%	0%	0%	0%	0%		
6931	Fairfax County Pkwy at Sugarland Valley Dr	0%	2%			2%	0%	0%	0%	0%					
7021	Fairfax County Pkwy at Wiehle Ave	4%	6%	8%	0%	3%	0%	0%	0%	0%	0%	0%	0%		
7131	Fairfax County Pkwy at Heather Way	0%	6%			-3%	0%	0%	0%	0%					
7221	Fairfax County Pkwy at Sugarland Rd	0%	6%	0%	0%	1%	0%	0%	0%	0%	0%				
7321	Fairfax County Pkwy at Leesburg Pike EB Ramps		7%	0%	0%	0%	0%	0%	0%	0%					
7322	Fairfax County Pkwy at Leesburg Pike WB Ramp	0%	10%			1%	0%								Unbal: 1145, Bal: 1260 (115) - VDOT TMC: 1404
7421	Fairfax County Pkwy at Cupleaf Holly Ct														
Through movements balanced to the adjacent Route 7 intersection															
2123	Rolling Rd/Franconia Springfield Pkwy On-Ramp/Barkers Ct	0%	0%	0%	0%	-5%		11%	8%						EBT Unbal: 230, EBT Bal: 255 (25) - No VDOT TMC since this is not captured in Synchro file
7521	Franconia Springfield Pkwy at Bonniemill Ln/Spring Village Dr	0%	0%	0%	0%	0%	13%	10%	6%	0%	-1%	0%	0%		EBL Unbal: 40, EBL Bal: 45 (5) - VDOT TMC: 76 EBT Unbal: 1290, EBT Bal: 1420 (130) - VDOT TMC: 4032 (appears that the EBT/WBT VDOT volumes may have been transposed based on volume and observed patterns)
7531	Bonniemill Ln at Hoopes Rd	0%	0%	0%	6%	14%	7%	0%	0%	0%	0%	0%	6%		SBT Unbal: 35, SBT Bal: 40 (5) - No VDOT TMC since this is unsignalized
7621	Franconia Springfield Pkwy EB Ramps at Backlick Rd	0%	0%	0%	0%	-4%	0%	14%	14%	0%	0%	0%	0%		EBL Unbal: 535, EBL Bal: 610 (75) - VDOT TMC: 530 EBR Unbal: 35, EBR Bal: 40 (5) - VDOT TMC: 120
7622	Franconia Springfield Pkwy WB Ramps at Backlick Rd	8%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%		
7721	Franconia Springfield Pkwy EB Ramps at I-95 HOV Ramp				0%	4%			9%	12%	0%	6%			EBR Unbal: 85, EBR Bal: 95 (10) - VDOT TMC: 120
7821	Franconia Springfield Pkwy EB Ramps at Frontier Dr		0%	0%	0%	-3%		-3%		-3%					
7822	Franconia Springfield Pkwy WB Ramps at Frontier Dr	-4%	-3%			0%	-3%				0%	0%	0%		
7931	Franconia Springfield Pkwy at Metrostation Loop						0%						0%		
8031	Franconia Springfield Pkwy at Walker Ln						1%						1%	0%	
8121	Franconia Springfield Pkwy at Beulah St	-4%	0%	0%	0%	0%	-3%	-1%	-1%	-2%	0%	-4%	0%		
8131	Beulah St at Alforth Ave	0%	0%			0%	0%								
8132	Beulah St at Lewin Dr/Shopping Center		2%	4%		28%									Adjacent intersections are balanced well, so no need to adjust - No VDOT TMC since this is unsignalized
8133	Beulah St at Metro Park Dr/Charles Arrington Dr	6%	3%	0%	0%	0%	0%								

Segment 1 - US Route 1 and Franconia Springfield Parkway
 Segment 2 - Franconia Springfield Parkway and Cupleaf Holly Court
 Segment 3 - Rolling Road to Beulah Street

Study intersection located off of the mainline Fairfax County Parkway/Franconia-Springfield Parkway (i.e. interchange or expanded study area)
 Ramp connection to/from Fairfax County Parkway
 ± 5-10% change ± 10-20% change ± 20% or more change

Summary of Total Volume	
Total Network Volume (Unbalanced)	365,175
Total Network Volume (Balanced)	375,620
Total Network Volume Percent Change	3%

Summary of Volume Adjustments	
# Mainline Turns/Side Street Movements	846
# Mainline Turns/Side Street Movements Adj (+/- 10% or more)	14 1.65%
# Mainline Through Movements (NB/EB)	120
# Mainline Through Movements (NB/EB) Adj (+/- 10% or more)	12 10.00%
# Mainline Through Movements (SB/WB)	107
# Mainline Through Movements (SB/WB) Adj (+/- 10% or more)	8 7.48%
Seg 1, NBT	870
Seg 1, SBT	-220
Seg 1, Sidestreets	205
Seg 1, Mainline Turns	50
Segment Percent Change:	2%
Seg 2, NBT	3,130
Seg 2, SBT	2,820
Seg 2, Sidestreets	315
Seg 2, Mainline Turns	290
Segment Percent Change:	2%
Seg 3, EBT	2,245
Seg 3, WBT	105
Seg 3, Sidestreets	305
Seg 3, Mainline Turns	80
Segment Percent Change:	7%

Fairfax County Parkway & Franconia-Springfield Parkway Corridor Improvement Study

PM Peak Hour 2 (5:30-6:30 PM) Volume Balancing Comparison

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
1121	Fairfax County Pkwy at Richmond Hwy (Rte 1)							9%	0%			0%	9%	
1231	Fairfax County Pkwy at Backlick Rd (South)		23%	0%	0%	4%	0%				0%	0%	6%	Unbal: 745, Bal: 920 (175) - No VDOT TMC since this is unsignalized
1321	Fairfax County Pkwy at John Kingman/ Farrar Drive	0%	10%	-9%	0%	10%	0%	0%	0%	0%	0%	0%	9%	Unbal: 860, Bal: 950 (90) - VDOT TMC: 1016
1431	Fairfax County Pkwy at Ehlers Rd		-7%											
1521	Fairfax County Pkwy NB Ramp at Telegraph Road	-8%	0%	-7%				7%	0%			0%	8%	
1522	Fairfax County Pkwy SB Ramp at Telegraph Road				0%	0%	0%		2%	0%	0%	-2%		
1621	Fairfax County Pkwy at Backlick Rd (North)		-6%	-9%	0%	6%					0%		6%	
1721	Fairfax County Pkwy at Terminal Road	0%	8%	0%	0%	3%	0%	9%	0%	0%	0%	0%	10%	
1801	VA-286 SB to I-95 SB Ramp						0%							
1802	VA-286 NB to I-95 SB Ramp								-9%					
1803	VA-286 NB to I-95 NB Ramp			-10%										
1804	VA-286 SB to I-95 NB Ramp								0%				0%	
1806	I-95 NB to VA-286 NB Ramp												9%	
1807	I-95 SB to VA-286 Ramp												9%	
1808	I-95 SB at VA-286 SB Ramp									0%				
1809	VA-286 NB to Backlick Rd Ramp		-9%											
1821	Fairfax County Pkwy at Loisdale		4%	-7%	0%	1%	8%		0%	0%	0%		9%	
1901	VA-286 SB to Boudinot Dr Ramp													
1902	VA-286 NB to Boudinot Dr Ramp			-8%										
1905	Boudinot Dr to VA-286 SB Ramp									0%				
1906	Boudinot Dr to VA-286 NB Ramp												9%	
2001	VA-286 SB to Barta Rd Ramp						0%							
2003	VA-286 NB to Barta Rd Ramp												-9%	
2005	Barta Rd to VA-286 SB Ramp			0%										
2006	Barta Rd EB to VA-286 NB Ramp												0%	
2007	Barta Rd WB to VA-286 NB Ramp												10%	
2008	Barta Rd WB to VA-286 SB Ramp									0%				
2021	NB Fairfax County Pkwy at Barta Rd	-9%		0%					0%			8%	10%	
2022	Rolling Rd/Fairfax County Pkwy SB Ramp at Barta Rd				0%	0%	0%		12%	0%		-4%	-7%	Unbal: 365, Bal: 410 (45) - VDOT TMC: 538
2023	SB Fairfax County Pkwy at Barta Rd	0%		0%	0%	0%	0%		12%	0%	0%	-15%		EBT Unbal: 375, EBT Bal: 420 (45) - VDOT TMC: 548 WBT Unbal: 365, WBT Bal: 310 (-55) - VDOT TMC: 650
2105	VA-286 SB to VA-286 SB Ramp													
2121	Fairfax County Pkwy at Rolling Rd (South)		-22%	-6%	0%	13%							79%	NBT Unbal: 1650, NBT Bal: 1285 (-365) - VDOT TMC: 1012 SBT Unbal: 510, SBT Bal: 575 (65) - VDOT TMC: 945
2122	Fairfax County Pkwy at Rolling Rd (North)	0%	-33%	-9%	0%	7%	0%	0%	0%	0%	0%	0%	0%	2121: To reduce volume imbalance NB, the WBR was increased from 210 to 350 (+140); subsequently, at 2122, the NBT was increased from 420 to 560 to better meet the VDOT TMC of 800
2231	Fairfax County Pkwy at Stream Way		8%	0%	0%	-5%								
2321	Fairfax County Pkwy at Whitlers Creek Dr/Hooes Rd	0%	7%	0%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	
2421	NB Fairfax County Pkwy at Olde Lantern Way	0%	0%	0%									0%	
2422	SB Fairfax County Pkwy at Gambrell Rd				0%	0%	-8%		8%	0%	0%	0%	-6%	
2521	NB Fairfax County Pkwy at Sydenstricker Rd	0%	0%	2%					0%	0%	0%	0%	0%	
2522	SB Fairfax County Pkwy at Sydenstricker Rd				0%	0%	0%		0%	0%	0%	0%	0%	
2631	Fairfax County Pkwy at Hooes Rd (South)		13%	0%	0%	-14%								NBT Unbal: 3020, NBT Bal: 3420 (400) SBT Unbal: 1635, SBT Bal: 1410 (-225) - No VDOT TMC since this is unsignalized
2721	NB Fairfax County Pkwy at Pohick Rd	0%	0%											
2722	SB Fairfax County Pkwy at Pohick Rd					0%	-8%		4%	0%	0%	-11%		Unbal: 140, Bal: 125 (-15) - VDOT TMC: 151
2723	NB Fairfax County Pkwy at Seabrook Ln	-2%	0%	0%					0%	-8%			0%	
2724	SB Fairfax County Pkwy at Seabrook Ln				0%	0%	0%		0%	0%	0%	-3%		
2831	NB Fairfax County Pkwy at Cervantes Ln		16%	0%		-10%							0%	NBT Unbal: 2455, NBT Bal: 2855 (400) SBT Unbal: 1810, SBT Bal: 1625 (-185) - No VDOT TMC since this is unsignalized
2931	Fairfax County Pkwy at Modisto Ln	0%	9%	0%	0%	-10%	0%	0%		0%	0%		0%	Unbal: 1780, Bal: 1595 (-185) - No VDOT TMC since this is unsignalized
3031	NB Fairfax County Pkwy at Huntsman Ct		12%	0%		-8%							0%	Unbal: 2420, Bal: 2715 (295) - No VDOT TMC since this is unsignalized
3121	Fairfax County Pkwy at Huntsman Blvd	0%	5%	0%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	
3221	Fairfax County Pkwy at Reservation Dr	0%	5%	0%	0%	-7%	0%	0%	0%	0%	0%	0%	0%	
3321	Fairfax County Pkwy at Lee Chapel Rd	-10%	8%	0%	0%	-6%	-4%	0%	0%	0%	0%	0%	0%	Unbal: 300, Bal: 270 (-30) - VDOT TMC: 310
3431	Fairfax County Pkwy at Rolling View Dr/Pilot House Rd	0%	10%	0%	0%	-5%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2045, Bal: 2255 (210) - No VDOT TMC since this is unsignalized
3531	Fairfax County Pkwy at Portside Dr/Waterline Dr	0%	12%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2010, Bal: 2245 (235) - No VDOT TMC since this is unsignalized
3621	Fairfax County Pkwy at Old Keene Mill Rd		10%	0%	0%	-3%							0%	Unbal: 2010, Bal: 2220 (210) - VDOT TMC: 2272
3721	Fairfax County Pkwy at Burke Lake Rd	0%	11%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	NBT Unbal: 2135, NBT Bal: 2370 (235) - VDOT TMC: 2432 SBT Unbal: 1535, SBT Bal: 1735 (200) - VDOT TMC: 2160
3831	NB Fairfax County Pkwy at Knolls Pond Ln		10%	0%		2%								Unbal: 2360, Bal: 2605 (245) - No VDOT TMC since this is unsignalized
3921	Fairfax County Pkwy at Karmich St/Roberts Pkwy	0%	11%	-2%	-7%	2%	0%	0%	0%	0%	0%	0%	0%	Unbal: 2125, Bal: 2360 (235) - VDOT TMC: 2460
4031	SB Fairfax County Pkwy at Wendy Ann Ct		10%			0%								Unbal: 2275, Bal: 2510 (235) - No VDOT TMC since this is unsignalized
4131	Fairfax County Pkwy at New Rd	-13%	8%			-2%	0%	0%		0%				Unbal: 40, Bal: 35 (-5) - No VDOT TMC since this is unsignalized
4231	Fairfax County Pkwy at Freds Oak Rd	0%	9%	-14%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	Unbal: 35, Bal: 30 (-5) - No VDOT TMC since this is unsignalized
4304	Ox Rd SB to VA-286 NB						5%							
4307	VA_286 SB to Ox Rd													
4321	NB Fairfax County Pkwy Ramps at Ox Rd	-10%		-8%					3%	-10%		1%		
4322	Robert Carter Rd/SB Fairfax County Pkwy at Ox Rd	5%	0%	0%	0%	0%	0%		-5%	0%	9%	-3%	0%	
4421	Fairfax County Pkwy at Burke Center Pkwy		4%	0%	-3%	0%					0%		6%	
4531	Fairfax County Pkwy at Nomes St/Ladues End Ln	0%	4%	0%	0%	2%	0%	0%		0%			0%	
4631	Fairfax County Pkwy at Colchester Meadow Ln	0%	5%	0%	0%	3%	0%						0%	
4721	Fairfax County Pkwy at Popes Head Rd	0%	6%	0%	-7%	2%	-10%	0%	0%	0%	0%	0%	0%	Unbal: 50, Bal: 45 (-5) - VDOT TMC: 36
4821	SB Fairfax County Pkwy Ramps at Braddock Rd				-4%	0%	-8%		0%	10%	0%	4%		
4822	NB Fairfax County Pkwy/Community Center at Braddock Rd	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	
4921	NB Fairfax County Pkwy at W Ox Rd (North)		1%			0%	0%				0%	0%	0%	
4922	NB Fairfax County Pkwy at W Ox Rd (South)		0%	0%	7%			-4%	-3%					
4923	VA-286 NB at 286 Ramps (North)	0%	0%										0%	
4924	VA-286 NB at 286 Ramps (South)		0%						0%	0%			0%	
4925	VA-286 SB at 286 Ramps (North)					-9%	-9%				0%	0%		
4926	VA-286 SB at 286 Ramps (South)				-10%	0%		9%	0%					
5001	VA-286 SB to I-66 WB Ramp						-5%							I-66 Project Comparison to FCP (note: I-66 peak hour is 5:00-6:00)
5002	VA-286 NB to I-66 WB Ramp			0%										I-66 Project (690) vs. FCP Project (900) = 30% difference (note that the raw count is 945)
5003	VA-286 NB to I-66 EB Ramp			0%										I-66 Project (610) vs. FCP Project (640) = 5% difference
5004	VA-286 SB to I-66 EB Ramp						-10%							I-66 Project (180) vs. FCP Project (145) = -19% difference
5005	I-66 EB to VA-286 SB Ramp									8%				I-66 Project (425) vs. FCP Project (380) = -10% difference
5006	I-66 EB to VA-286 NB Ramp												0%	I-66 Project (855) vs. FCP Project (520) = -39% difference (note that the raw count is 480)
														I-66 Project (560) vs. FCP Project (575) = 2% difference

INTID	DESCRIPTION	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	
5007	I-66 WB to VA-286 NB Ramp													I-66 Project (310) vs. FCP Project (385) = 25% difference
5008	I-66 WB to VA-286 SB Ramp									8%				I-66 Project (250) vs. FCP Project (260) = 4% difference
5121	NB Fairfax County Pkwy at Fair Lakes Pkwy	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	2%	0%	
5122	SB Fairfax County Pkwy at Fair Lakes Pkwy													
5221	NB Fairfax County Pkwy at Monument Dr	0%	0%	-8%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	
5222	SB Fairfax County Pkwy at Monument Dr													
5301	VA-286 SB to US-50 WB													
5302	VA-286 NB to US-50 WB			0%										
5303	US-50 EB to VA-286 SB									9%				
5304	VA-286 SB to US-50 EB													
5321	Fairfax County Pkwy at Route 50 EB Ramps		-5%	0%		15%								Unbal: 2535, Bal: 2925 (390) - VDOT TMC: 2548
5322	Fairfax County Pkwy at Route 50 WB Ramps		-8%	0%		11%					6%			Unbal: 2815, Bal: 3135 (320) - VDOT TMC: 2900
5421	Fairfax County Pkwy at Rugby Rd	0%	-6%	0%	-10%	12%	-8%	0%	0%	0%	9%	0%	0%	SBL Unbal: 100, SBL Bal: 90 (-10) - VDOT TMC: 120 SBT Unbal: 2345, SBT Bal: 2630 (285) - VDOT TMC: 2584
5531	SB Fairfax County Pkwy at Old Plains Rd		-5%			10%	0%			0%				Unbal: 2550, Bal: 2810 (260) - No VDOT TMC since this is unsignalized
5621	Fairfax County Pkwy at Stringfellow Rd	0%	-6%	0%	0%	10%	-8%	0%	0%	0%	0%	0%	0%	Unbal: 2540, Bal: 2800 (260) - VDOT TMC: 2640
5721	Fairfax County Pkwy at Tuckaway Dr/Springhaven Dr		-1%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	
5821	Fairfax County Pkwy at Franklin Farm Rd	-5%	3%	0%	0%	9%	-9%	0%	0%	9%	6%	0%	0%	
5921	Fairfax County Pkwy at West Ox Rd	-4%	4%	0%	-9%	11%	-10%	0%	0%	9%	0%	0%	0%	Unbal: 1845, Bal: 2050 (205) - VDOT TMC: 2164
6021	Fairfax County Pkwy at Fox Mill Rd	-8%	4%	-14%	0%	14%	0%	0%	0%	6%	8%	0%	0%	NBR Unbal: 110, NBR Bal: 95 (-15) - VDOT TMC: 92 SBT Unbal: 1745, SBT Bal: 1990 (245) - VDOT TMC: 2100
6121	Fairfax County Pkwy at Sunrise Valley Dr	-7%	-1%	-10%	-9%	12%	-10%	0%	0%	3%	7%	0%	0%	Unbal: 1740, Bal: 1950 (210) - VDOT TMC: 2074
6221	Fairfax County Pkwy at Dulles Toll Rd EB Ramps		2%	-2%	-8%	9%		0%	0%	10%				
6222	Fairfax County Pkwy at Dulles Toll Rd WB Ramps	0%	5%			6%	-9%				0%	0%	0%	
6303	Fairfax County Pkwy at Sunset Hills Rd Ramps			0%						8%				
6321	Fairfax County Pkwy at Spring St				-6%	0%	-5%	8%	0%	8%			0%	
6322	Fairfax County Pkwy at Sunset Hills Rd Ramp	0%	7%			8%	-9%	-6%		9%				
6421	Fairfax County Pkwy at New Dominion Pkwy		7%	-5%	-9%	5%					10%			
6501	Fairfax County Pkwy at Baron Cameron Ave Ramps (North)						-7%							
6503	Fairfax County Pkwy at Baron Cameron Ave Ramps (South)									9%				
6521	Fairfax County Pkwy at Baron Cameron Ave	0%		0%	-5%		-7%	0%	0%	10%	8%	0%	0%	
6631	SB Fairfax County Pkwy at N Walnut Branch Rd (South)		7%			-1%	-8%			0%				
6721	Fairfax County Pkwy at N Walnut Branch Rd	0%	10%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	
6821	Fairfax County Pkwy at Lake Newport Rd	0%	11%	0%	-14%	4%	0%	0%	0%	10%	6%	0%	0%	NBT Unbal: 1985, NBT Bal: 2210 (225) - VDOT TMC: 2224 SBL Unbal: 70, SBL Bal: 60 (-10) - VDOT TMC: 76 EBR Unbal: 50, EBR Bal
6931	Fairfax County Pkwy at Sugarland Valley Dr		12%			4%	0%			0%				Unbal: 2025, Bal: 2265 (240) - No VDOT TMC since this is unsignalized
7021	Fairfax County Pkwy at Wiehle Ave	0%	10%	0%	-9%	2%	0%	0%	0%	9%	0%	0%	0%	
7131	Fairfax County Pkwy at Heather Way	0%	7%			-3%	0%	0%	0%	0%				
7221	Fairfax County Pkwy at Sugarland Rd	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
7321	Fairfax County Pkwy at Leesburg Pike EB Ramps		9%	0%	9%	-10%		0%		10%				
7322	Fairfax County Pkwy at Leesburg Pike WB Ramp	0%	16%			-5%	0%				6%	0%	0%	Unbal: 1220, Bal: 1420 (200) - VDOT TMC: 1404
7421	Fairfax County Pkwy at Cupleaf Holly Ct													
Through movements balanced to the adjacent Route 7 intersection														
2123	Rolling Rd/Franconia Springfield Pkwy On-Ramp/Barkers Ct	217%		100%		100%	212%		83%	89%				Low volumes, balanced with the adjacent intersection at FCP - No VDOT TMC since this is not captured in Synchro file
														NBL Unbal: 40, EBL Bal: 45 (5) - VDOT TMC: 52 SBR Unbal: 50, SBR Bal: 60 (10) - VDOT TMC: 76
														EBL Unbal: 35, EBL Bal: 30 (-5) - VDOT TMC: 76 EBT Unbal: 1380, EBT Bal: 1175 (-205) - VDOT TMC: 4032
														EBR Unbal: 60, EBR Bal: 50 (-10) - VDOT TMC: 24 WBT Unbal: 3165, WBT Bal: 3740 (575) - VDOT TMC: 1256
														(appears that the EBT/WBT VDOT volumes may have been transposed based on volume and observed patterns)
7521	Franconia Springfield Pkwy at Bonniemill Ln/Spring Village Dr	13%	0%	0%	0%	0%	20%	-14%	-15%	-17%	0%	18%	0%	
7531	Bonniemill Ln at Hoopes Rd	0%	0%		-3%	0%	0%	11%	0%	0%	0%	0%	5%	EBL Unbal: 45, EBL Bal: 50 (5) - No VDOT TMC since this is unsignalized
7621	Franconia Springfield Pkwy EB Ramps at Backlick Rd	0%	2%		0%	-1%	0%	-6%	0%	0%	0%	0%	0%	
7622	Franconia Springfield Pkwy WB Ramps at Backlick Rd	9%	0%		0%	0%	11%	0%	0%	0%	0%	0%	0%	
7721	Franconia Springfield Pkwy EB Ramps at I-95 HOV Ramp						20%		-4%	-3%	0%	28%		SBR Unbal: 1120, SBR Bal: 1240 (120) - VDOT TMC: 1167
7821	Franconia Springfield Pkwy EB Ramps at Frontier Dr		9%	0%	0%	0%		-9%		-9%				SBR Unbal: 300, SBR Bal: 360 (60) - VDOT TMC: 216 WBT Unbal: 2195, WBT Bal: 2810 (615) - VDOT TMC: 3253
7822	Franconia Springfield Pkwy WB Ramps at Frontier Dr	14%	-11%			3%		13%			0%	0%	0%	NBL Unbal: 545, EBL Bal: 620 (75) - VDOT TMC: 645 NBT Unbal: 720, NBT Bal: 640 (-80) - VDOT TMC: 733
7931	Franconia Springfield Pkwy at Metrostation Loop							0%						SBR Unbal: 530, SBR Bal: 600 (70) - VDOT TMC: 1034
8031	Franconia Springfield Pkwy at Walker Ln							9%				9%		
8121	Franconia Springfield Pkwy at Beulah St	11%	0%	0%	0%	0%	10%	-4%	-4%	-4%	0%	10%	0%	NBL Unbal: 515, EBL Bal: 570 (55) - VDOT TMC: 736 SBR Unbal: 240, SBR Bal: 265 (25) - VDOT TMC: 296
8131	Beulah St at Alforth Ave	0%	6%			-4%	0%			0%				WBT Unbal: 1140, WBT Bal: 1255 (115) - VDOT TMC: 1256
8132	Beulah St at Lewin Dr/Shopping Center		-1%	0%		0%								
8133	Beulah St at Metro Park Dr/Charles Arrington Dr	0%	1%	0%	0%	1%	0%							

Segment 1 - US Route 1 to Franconia Springfield Parkway
 Segment 2 - Franconia Springfield Parkway to Cupleaf Holly Court
 Segment 3 - Rolling Road to Beulah Street

Study intersection located off of the mainline Fairfax County Parkway/Franconia-Springfield Parkway (i.e. interchange or expanded study area)
 Ramp connection to/from Fairfax County Parkway
 ± 5-10% change ± 10-20% change ± 20% or more change

Summary of Total Volume	
Total Network Volume (Unbalanced)	356,415
Total Network Volume (Balanced)	369,225
Total Network Volume Percent Change	4%

		Summary of Volume Adjustments						
# Mainline Turns/Side Street Movements	790	Seg 1, NBT	-405	Seg 1, SBT	380	Seg 1, Sidestreets	450	Segment Percent Change: 0.3%
# Mainline Turns/Side Street Movements Adj (+/- 10% or more)	9					Seg 1, Mainline Turns	-290	
# Mainline Through Movements (NB/EB)	107							
# Mainline Through Movements (NB) Adj (+/- 10% or more)	17	Seg 2, NBT	6,225	Seg 2, SBT	2,085	Seg 2, Sidestreets	615	Segment Percent Change: 3%
# Mainline Through Movements (SB/WB)	103					Seg 2, Mainline Turns	-760	
# Mainline Through Movements (SB) Adj (+/- 10% or more)	13	Seg 3, EBT	1,800	Seg 3, WBT	1,480	Seg 3, Sidestreets	535	Segment Percent Change: 10%
						Seg 3, Mainline Turns	-140	