

Appendix A
Existing Vehicular Traffic Counts

ZONING COMMISSION
District of Columbia
CASE NO. 06-27
EXHIBIT NO. 5
ZONING COMMISSION
District of Columbia
CASE NO.06-27
EXHIBIT NO.5A1

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: 0													
W & A JOB NO.: 2762				DAY: Wednesday				NORTHBOUND ROAD: 23rd street													
INTERSECTION: Washington Circle & 23rd St.- South				WEATHER: Clear				WESTBOUND ROAD: Washington Circle													
LOCATION: Washington,DC				COUNTED BY: Gary				EASTBOUND ROAD: Virginia Avenue													
				INPUTED BY: agan																	
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound 0				Westbound Washington Circle				Northbound 23rd street				Eastbound Virginia Avenue							North & South	East & West
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right 3	8 Thru	9 Left	Total	10 Right 1	11 Thru 2	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	0	0	0	0	70	0	0	70	36	52	0	88	70	88	158		6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	82	0	0	82	43	89	0	132	82	132	214		6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	109	0	0	109	64	83	0	147	109	147	256		6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	140	0	0	140	69	132	0	201	140	201	341		6:45-7:00
7:00-7:15	0	0	0	0	0	0	0	0	141	0	0	141	49	176	0	225	141	225	366		7:00-7:15
7:15-7:30	0	0	0	0	0	0	0	0	104	0	0	104	61	161	0	222	104	222	326		7:15-7:30
7:30-7:45	0	0	0	0	0	0	0	0	179	0	0	179	80	243	0	323	179	323	502		7:30-7:45
7:45-8:00	0	0	0	0	0	0	0	0	148	0	0	148	96	281	0	377	148	377	525		7:45-8:00
8:00-8:15	0	0	0	0	0	0	0	0	129	0	0	129	13	274	0	287	129	287	416		8:00-8:15
8:15-8:30	0	0	0	0	0	0	0	0	109	0	0	109	15	306	0	321	109	321	430		8:15-8:30
8:30-8:45	0	0	0	0	0	0	0	0	111	0	0	111	23	359	0	382	111	382	493		8:30-8:45
8:45-9:00	0	0	0	0	0	0	0	0	103	0	0	103	24	422	0	446	103	446	549		8:45-9:00
3 Hour Totals	0	0	0	0	0	0	0	0	1,425	0	0	1,425	573	2,578	0	3,151	1,425	3,151	4,576		
1 Hour Totals																					
6:00-7:00	0	0	0	0	0	0	0	0	401	0	0	401	212	356	0	568	401	568	969	0.71	6:00-7:00
6:15-7:15	0	0	0	0	0	0	0	0	472	0	0	472	225	480	0	705	472	705	1,177	0.80	6:15-7:15
6:30-7:30	0	0	0	0	0	0	0	0	494	0	0	494	243	552	0	795	494	795	1,289	0.88	6:30-7:30
6:45-7:45	0	0	0	0	0	0	0	0	564	0	0	564	259	712	0	971	564	971	1,535	0.76	6:45-7:45
7:00-8:00	0	0	0	0	0	0	0	0	572	0	0	572	286	861	0	1,147	572	1,147	1,719	0.82	7:00-8:00
7:15-8:15	0	0	0	0	0	0	0	0	560	0	0	560	250	959	0	1,209	560	1,209	1,769	0.84	7:15-8:15
7:30-8:30	0	0	0	0	0	0	0	0	565	0	0	565	204	1,104	0	1,308	565	1,308	1,873	0.89	7:30-8:30
7:45-8:45	0	0	0	0	0	0	0	0	497	0	0	497	147	1,220	0	1,367	497	1,367	1,864	0.89	7:45-8:45
8:00-9:00	0	0	0	0	0	0	0	0	452	0	0	452	75	1,361	0	1,436	452	1,436	1,888	0.86	8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	0	0	0	0	452	0	0	452	75	1,361	0	1,436	452	1,436	1,888	0.86	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	0	0	0	0	100	0	0	100	202	166	0	368	100	368	468		4:00-4:15
4:15-4:30	0	0	0	0	0	0	0	0	103	0	0	103	252	190	0	442	103	442	545		4:15-4:30
4:30-4:45	0	0	0	0	0	0	0	0	112	0	0	112	234	167	0	401	112	401	513		4:30-4:45
4:45-5:00	0	0	0	0	0	0	0	0	112	0	0	112	204	182	0	386	112	386	498		4:45-5:00
5:00-5:15	0	0	0	0	0	0	0	0	115	0	0	115	224	238	0	462	115	462	577		5:00-5:15
5:15-5:30	0	0	0	0	0	0	0	0	107	0	0	107	232	244	0	476	107	476	583		5:15-5:30
5:30-5:45	0	0	0	0	0	0	0	0	127	0	0	127	199	240	0	439	127	439	566		5:30-5:45
5:45-6:00	0	0	0	0	0	0	0	0	125	0	0	125	231	212	0	443	125	443	568		5:45-6:00
6:00-6:15	0	0	0	0	0	0	0	0	111	0	0	111	216	229	0	445	111	445	556		6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	97	0	0	97	241	237	0	478	97	478	575		6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	111	0	0	111	167	199	0	366	111	366	477		6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	123	0	0	123	173	215	0	388	123	388	511		6:45-7:00
3 Hour Totals	0	0	0	0	0	0	0	0	1,343	0	0	1,343	2,575	2,519	0	5,094	1,343	5,094	6,437		
1 Hour Totals																					
4:00-5:00	0	0	0	0	0	0	0	0	427	0	0	427	892	705	0	1,597	427	1,597	2,024	0.93	4:00-5:00
4:15-5:15	0	0	0	0	0	0	0	0	442	0	0	442	914	777	0	1,691	442	1,691	2,133	0.92	4:15-5:15
4:30-5:30	0	0	0	0	0	0	0	0	446	0	0	446	894	831	0	1,725	446	1,725	2,171	0.93	4:30-5:30
4:45-5:45	0	0	0	0	0	0	0	0	461	0	0	461	859	904	0	1,763	461	1,763	2,224	0.95	4:45-5:45
5:00-6:00	0	0	0	0	0	0	0	0	474	0	0	474	886	934	0	1,820	474	1,820	2,294	0.98	5:00-6:00
5:15-6:15	0	0	0	0	0	0	0	0	470	0	0	470	878	925	0	1,803	470	1,803	2,273	0.97	5:15-6:15
5:30-6:30	0	0	0	0	0	0	0	0	460	0	0	460	887	918	0	1,805	460	1,805	2,265	0.98	5:30-6:30
5:45-6:45	0	0	0	0	0	0	0	0	444	0	0	444	855	877	0	1,732	444	1,732	2,176	0.95	5:45-6:45
6:00-7:00	0	0	0	0	0	0	0	0	442	0	0	442	797	880	0	1,677	442	1,677	2,119	0.92	6:00-7:00
PM Peak 5:00-6:00	0	0	0	0	0	0	0	0	474	0	0	474	886	934	0	1,820	474	1,820	2,294	0.98	PM Peak 5:00-6:00

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: Pennsylvania Avenue				Pennsylvania Avenue									
W & A JOB NO.: 2762				DAY: Wednesday				NORTHBOUND ROAD: 0				0									
INTERSECTION: Washington Circle & Penn.Ave.- South				WEATHER: Clear				WESTBOUND ROAD: Washington Circle				Washington Circle									
LOCATION: Washington,DC				COUNTED BY: Alba				EASTBOUND ROAD: Washington Circle				Washington Circle									
				INPUTED BY: agan																	
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound Pennsylvania Avenue				Westbound Washington Circle				Northbound 0				Eastbound Washington Circle							North & South	East & West
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	0	0	0	0	0	0	0	0	0	30	29	73	132	0	132	132	6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	0	0	0	0	0	42	46	76	164	0	164	164	6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	0	0	0	0	0	31	60	104	195	0	195	195	6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	64	61	137	262	0	262	262	6:45-7:00
7:00-7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	99	60	164	323	0	323	323	7:00-7:15
7:15-7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	100	65	167	332	0	332	332	7:15-7:30
7:30-7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	156	67	200	423	0	423	423	7:30-7:45
7:45-8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	182	98	178	458	0	458	458	7:45-8:00
8:00-8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	213	94	203	510	0	510	510	8:00-8:15
8:15-8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	238	107	165	510	0	510	510	8:15-8:30
8:30-8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	250	85	175	510	0	510	510	8:30-8:45
8:45-9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	251	106	199	556	0	556	556	8:45-9:00
3 Hour Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	1,656	878	1,841	4,375	0	4,375	4,375	
1 Hour Totals																					
6:00-7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	167	196	390	753	0	753	753	0.72 6:00-7:00
6:15-7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	236	227	481	944	0	944	944	0.73 6:15-7:15
6:30-7:30	0	0	0	0	0	0	0	0	0	0	0	0	0	294	246	572	1,112	0	1,112	1,112	0.84 6:30-7:30
6:45-7:45	0	0	0	0	0	0	0	0	0	0	0	0	0	419	253	668	1,340	0	1,340	1,340	0.79 6:45-7:45
7:00-8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	537	290	709	1,536	0	1,536	1,536	0.84 7:00-8:00
7:15-8:15	0	0	0	0	0	0	0	0	0	0	0	0	0	651	324	748	1,723	0	1,723	1,723	0.84 7:15-8:15
7:30-8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	789	366	746	1,901	0	1,901	1,901	0.93 7:30-8:30
7:45-8:45	0	0	0	0	0	0	0	0	0	0	0	0	0	883	384	721	1,988	0	1,988	1,988	0.97 7:45-8:45
8:00-9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	952	392	742	2,086	0	2,086	2,086	0.94 8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	952	392	742	2,086	0	2,086	2,086	0.94 AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	0	0	0	0	0	0	0	0	0	130	62	105	297	0	297	297	4:00-4:15
4:15-4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	147	52	129	328	0	328	328	4:15-4:30
4:30-4:45	0	0	0	0	0	0	0	0	0	0	0	0	0	149	58	96	303	0	303	303	4:30-4:45
4:45-5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	159	51	124	334	0	334	334	4:45-5:00
5:00-5:15	0	0	0	0	0	0	0	0	0	0	0	0	0	158	58	142	358	0	358	358	5:00-5:15
5:15-5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	173	71	145	389	0	389	389	5:15-5:30
5:30-5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	134	60	154	348	0	348	348	5:30-5:45
5:45-6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	146	30	146	322	0	322	322	5:45-6:00
6:00-6:15	0	0	0	0	0	0	0	0	0	0	0	0	0	146	34	141	321	0	321	321	6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	0	0	0	0	0	162	47	136	345	0	345	345	6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	0	0	0	0	0	121	49	112	282	0	282	282	6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	123	56	138	317	0	317	317	6:45-7:00
3 Hour Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	1,748	628	1,568	3,944	0	3,944	3,944	
1 Hour Totals																					
4:00-5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	585	223	454	1,262	0	1,262	1,262	0.94 4:00-5:00
4:15-5:15	0	0	0	0	0	0	0	0	0	0	0	0	0	613	219	491	1,323	0	1,323	1,323	0.92 4:15-5:15
4:30-5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	639	238	507	1,384	0	1,384	1,384	0.89 4:30-5:30
4:45-5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	624	240	565	1,429	0	1,429	1,429	0.92 4:45-5:45
5:00-6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	611	219	587	1,417	0	1,417	1,417	0.91 5:00-6:00
5:15-6:15	0	0	0	0	0	0	0	0	0	0	0	0	0	599	195	586	1,380	0	1,380	1,380	0.89 5:15-6:15
5:30-6:30	0	0	0	0	0	0	0	0	0	0	0	0	0	588	171	577	1,336	0	1,336	1,336	0.96 5:30-6:30
5:45-6:45	0	0	0	0	0	0	0	0	0	0	0	0	0	575	160	535	1,270	0	1,270	1,270	0.92 5:45-6:45
6:00-7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	552	186	527	1,265	0	1,265	1,265	0.92 6:00-7:00
PM Peak 4:45-5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	624	240	565	1,429	0	1,429	1,429	0.92 PM Peak 4:45-5:45

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54					DATE: 5/11/2005					SOUTHBOUND ROAD: Washington Circle					Washington Circle						
W & A JOB NO.: 2762					DAY: Wednesday					NORTHBOUND ROAD: Pennsylvania Avenue					Pennsylvania Avenue						
INTERSECTION: Washington Cir. & K Street					WEATHER: Clear					WESTBOUND ROAD: K Street					K Street						
LOCATION: Washington,DC					COUNTED BY: Luz					EASTBOUND ROAD: Washington Circle					Washington Circle						
					INPUTED BY: agan																
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Washington Circle				Westbound K Street				Northbound Pennsylvania Avenue				Eastbound Washington Circle				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right 9	5 Thru	6 Left	Total	7 Right 7	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left 8	Total					
AM																					
6:00-6:15	0	0	0	0	15	0	0	15	12	0	0	12	0	0	72	72	12	87	99		6:00-6:15
6:15-6:30	0	0	0	0	14	0	0	14	24	0	0	24	0	0	81	81	24	95	119		6:15-6:30
6:30-6:45	0	0	0	0	11	0	0	11	28	0	0	28	0	0	102	102	28	113	141		6:30-6:45
6:45-7:00	0	0	0	0	23	0	0	23	40	0	0	40	0	0	146	146	40	169	209		6:45-7:00
7:00-7:15	0	0	0	0	24	0	0	24	40	0	0	40	0	0	169	169	40	193	233		7:00-7:15
7:15-7:30	0	0	0	0	18	0	0	18	50	0	0	50	0	0	172	172	50	190	240		7:15-7:30
7:30-7:45	0	0	0	0	29	0	0	29	65	0	0	65	0	0	210	210	65	239	304		7:30-7:45
7:45-8:00	0	0	0	0	22	0	0	22	58	0	0	58	0	0	198	198	58	220	278		7:45-8:00
8:00-8:15	0	0	0	0	31	0	0	31	76	0	0	76	0	0	221	221	76	252	328		8:00-8:15
8:15-8:30	0	0	0	0	20	0	0	20	76	0	0	76	0	0	172	172	76	192	268		8:15-8:30
8:30-8:45	0	0	0	0	33	0	0	33	80	0	0	80	0	0	207	207	80	240	320		8:30-8:45
8:45-9:00	0	0	0	0	23	0	0	23	75	0	0	75	0	0	221	221	75	244	319		8:45-9:00
3 Hour Totals	0	0	0	0	263	0	0	263	624	0	0	624	0	0	1,971	1,971	624	2,234	2,858		
1 Hour Totals																					
6:00-7:00	0	0	0	0	63	0	0	63	104	0	0	104	0	0	401	401	104	464	568	0.68	6:00-7:00
6:15-7:15	0	0	0	0	72	0	0	72	132	0	0	132	0	0	498	498	132	570	702	0.75	6:15-7:15
6:30-7:30	0	0	0	0	76	0	0	76	158	0	0	158	0	0	589	589	158	665	823	0.86	6:30-7:30
6:45-7:45	0	0	0	0	94	0	0	94	195	0	0	195	0	0	697	697	195	791	986	0.81	6:45-7:45
7:00-8:00	0	0	0	0	93	0	0	93	213	0	0	213	0	0	749	749	213	842	1,055	0.87	7:00-8:00
7:15-8:15	0	0	0	0	100	0	0	100	249	0	0	249	0	0	801	801	249	901	1,150	0.88	7:15-8:15
7:30-8:30	0	0	0	0	102	0	0	102	275	0	0	275	0	0	801	801	275	903	1,178	0.90	7:30-8:30
7:45-8:45	0	0	0	0	106	0	0	106	290	0	0	290	0	0	798	798	290	904	1,194	0.91	7:45-8:45
8:00-9:00	0	0	0	0	107	0	0	107	307	0	0	307	0	0	821	821	307	928	1,235	0.94	8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	107	0	0	107	307	0	0	307	0	0	821	821	307	928	1,235	0.94	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	39	0	0	39	111	0	0	111	0	0	115	115	111	154	265		4:00-4:15
4:15-4:30	0	0	0	0	37	0	0	37	134	0	0	134	0	0	128	128	134	165	299		4:15-4:30
4:30-4:45	0	0	0	0	44	0	0	44	122	0	0	122	0	0	100	100	122	144	266		4:30-4:45
4:45-5:00	0	0	0	0	39	0	0	39	114	0	0	114	0	0	134	134	114	173	287		4:45-5:00
5:00-5:15	0	0	0	0	47	0	0	47	147	0	0	147	0	0	145	145	147	192	339		5:00-5:15
5:15-5:30	0	0	0	0	46	0	0	46	163	0	0	163	0	0	146	146	163	192	355		5:15-5:30
5:30-5:45	0	0	0	0	45	0	0	45	186	0	0	186	0	0	162	162	186	207	393		5:30-5:45
5:45-6:00	0	0	0	0	73	0	0	73	192	0	0	192	0	0	162	162	192	235	427		5:45-6:00
6:00-6:15	0	0	0	0	58	0	0	58	198	0	0	198	0	0	177	177	198	235	433		6:00-6:15
6:15-6:30	0	0	0	0	47	0	0	47	208	0	0	208	0	0	145	145	208	192	400		6:15-6:30
6:30-6:45	0	0	0	0	49	0	0	49	208	0	0	208	0	0	135	135	208	184	392		6:30-6:45
6:45-7:00	0	0	0	0	47	0	0	47	158	0	0	158	0	0	145	145	158	192	350		6:45-7:00
3 Hour Totals	0	0	0	0	571	0	0	571	1,941	0	0	1,941	0	0	1,694	1,694	1,941	2,265	4,206		
1 Hour Totals																					
4:00-5:00	0	0	0	0	159	0	0	159	481	0	0	481	0	0	477	477	481	636	1,117	0.93	4:00-5:00
4:15-5:15	0	0	0	0	167	0	0	167	517	0	0	517	0	0	507	507	517	674	1,191	0.88	4:15-5:15
4:30-5:30	0	0	0	0	176	0	0	176	546	0	0	546	0	0	525	525	546	701	1,247	0.88	4:30-5:30
4:45-5:45	0	0	0	0	177	0	0	177	610	0	0	610	0	0	587	587	610	764	1,374	0.87	4:45-5:45
5:00-6:00	0	0	0	0	211	0	0	211	688	0	0	688	0	0	615	615	688	826	1,514	0.89	5:00-6:00
5:15-6:15	0	0	0	0	222	0	0	222	739	0	0	739	0	0	647	647	739	869	1,608	0.93	5:15-6:15
5:30-6:30	0	0	0	0	223	0	0	223	784	0	0	784	0	0	646	646	784	869	1,653	0.95	5:30-6:30
5:45-6:45	0	0	0	0	227	0	0	227	806	0	0	806	0	0	619	619	806	846	1,652	0.95	5:45-6:45
6:00-7:00	0	0	0	0	201	0	0	201	772	0	0	772	0	0	602	602	772	803	1,575	0.91	6:00-7:00
PM Peak 5:30-6:30	0	0	0	0	223	0	0	223	784	0	0	784	0	0	646	646	784	869	1,653	0.95	PM Peak 5:30-6:30

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT:		Square 54		DATE:		5/11/2005		SOUTHBOUND ROAD:		Washington Circle												
W & A JOB NO.:		2762		DAY:		Wednesday		NORTHBOUND ROAD:		Washington Circle												
INTERSECTION:		Washington Cir. & New Hampshire Ave. - North		WEATHER:		Clear		WESTBOUND ROAD:		New Hampshire Avenue												
LOCATION:		Washington,DC		COUNTED BY:		Lucia		EASTBOUND ROAD:														
				INPUTED BY:		agan																
Time Period	Turning Movements																		Total	PHF	Time Period	
	Southbound Washington Circle				Westbound New Hampshire Avenue				Northbound Washington Circle				Eastbound 0				North & South	East & West				
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right 10	8 Thru 11	9 Left	Total	10 Right	11 Thru	12 Left	Total						
AM																						
6:00-6:15	0	0	0	0	0	0	0	0	54	45	0	99	0	0	0	0	99	0	99			6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	69	49	0	118	0	0	0	0	118	0	118			6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	74	67	0	141	0	0	0	0	141	0	141			6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	121	84	0	205	0	0	0	0	205	0	205			6:45-7:00
7:00-7:15	0	0	0	0	0	0	0	0	141	89	0	230	0	0	0	0	230	0	230			7:00-7:15
7:15-7:30	0	0	0	0	0	0	0	0	159	83	0	242	0	0	0	0	242	0	242			7:15-7:30
7:30-7:45	0	0	0	0	0	0	0	0	189	115	0	304	0	0	0	0	304	0	304			7:30-7:45
7:45-8:00	0	0	0	0	0	0	0	0	164	105	0	269	0	0	0	0	269	0	269			7:45-8:00
8:00-8:15	0	0	0	0	0	0	0	0	188	117	0	305	0	0	0	0	305	0	305			8:00-8:15
8:15-8:30	0	0	0	0	0	0	0	0	158	105	0	263	0	0	0	0	263	0	263			8:15-8:30
8:30-8:45	0	0	0	0	0	0	0	0	191	123	0	314	0	0	0	0	314	0	314			8:30-8:45
8:45-9:00	0	0	0	0	0	0	0	0	209	116	0	325	0	0	0	0	325	0	325			8:45-9:00
3 Hour Totals	0	0	0	0	0	0	0	0	1,717	1,098	0	2,815	0	0	0	0	2,815	0	2,815			
1 Hour Totals																						
6:00-7:00	0	0	0	0	0	0	0	0	318	245	0	563	0	0	0	0	563	0	563	0.69		6:00-7:00
6:15-7:15	0	0	0	0	0	0	0	0	405	289	0	694	0	0	0	0	694	0	694	0.75		6:15-7:15
6:30-7:30	0	0	0	0	0	0	0	0	495	323	0	818	0	0	0	0	818	0	818	0.85		6:30-7:30
6:45-7:45	0	0	0	0	0	0	0	0	610	371	0	981	0	0	0	0	981	0	981	0.81		6:45-7:45
7:00-8:00	0	0	0	0	0	0	0	0	653	392	0	1,045	0	0	0	0	1,045	0	1,045	0.86		7:00-8:00
7:15-8:15	0	0	0	0	0	0	0	0	700	420	0	1,120	0	0	0	0	1,120	0	1,120	0.92		7:15-8:15
7:30-8:30	0	0	0	0	0	0	0	0	699	442	0	1,141	0	0	0	0	1,141	0	1,141	0.94		7:30-8:30
7:45-8:45	0	0	0	0	0	0	0	0	701	450	0	1,151	0	0	0	0	1,151	0	1,151	0.92		7:45-8:45
8:00-9:00	0	0	0	0	0	0	0	0	746	461	0	1,207	0	0	0	0	1,207	0	1,207	0.93		8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	0	0	0	0	746	461	0	1,207	0	0	0	0	1,207	0	1,207	0.93		AM Peak 8:00-9:00
PM																						
4:00-4:15	0	0	0	0	0	0	0	0	92	171	0	263	0	0	0	0	263	0	263			4:00-4:15
4:15-4:30	0	0	0	0	0	0	0	0	102	196	0	298	0	0	0	0	298	0	298			4:15-4:30
4:30-4:45	0	0	0	0	0	0	0	0	86	178	0	264	0	0	0	0	264	0	264			4:30-4:45
4:45-5:00	0	0	0	0	0	0	0	0	103	182	0	285	0	0	0	0	285	0	285			4:45-5:00
5:00-5:15	0	0	0	0	0	0	0	0	107	219	0	326	0	0	0	0	326	0	326			5:00-5:15
5:15-5:30	0	0	0	0	0	0	0	0	124	231	0	355	0	0	0	0	355	0	355			5:15-5:30
5:30-5:45	0	0	0	0	0	0	0	0	114	270	0	384	0	0	0	0	384	0	384			5:30-5:45
5:45-6:00	0	0	0	0	0	0	0	0	106	305	0	411	0	0	0	0	411	0	411			5:45-6:00
6:00-6:15	0	0	0	0	0	0	0	0	129	263	0	392	0	0	0	0	392	0	392			6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	118	276	0	394	0	0	0	0	394	0	394			6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	111	262	0	373	0	0	0	0	373	0	373			6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	100	226	0	326	0	0	0	0	326	0	326			6:45-7:00
3 Hour Totals	0	0	0	0	0	0	0	0	1,292	2,779	0	4,071	0	0	0	0	4,071	0	4,071			
1 Hour Totals																						
4:00-5:00	0	0	0	0	0	0	0	0	383	727	0	1,110	0	0	0	0	1,110	0	1,110	0.93		4:00-5:00
4:15-5:15	0	0	0	0	0	0	0	0	398	775	0	1,173	0	0	0	0	1,173	0	1,173	0.90		4:15-5:15
4:30-5:30	0	0	0	0	0	0	0	0	420	810	0	1,230	0	0	0	0	1,230	0	1,230	0.87		4:30-5:30
4:45-5:45	0	0	0	0	0	0	0	0	448	902	0	1,350	0	0	0	0	1,350	0	1,350	0.88		4:45-5:45
5:00-6:00	0	0	0	0	0	0	0	0	451	1,025	0	1,476	0	0	0	0	1,476	0	1,476	0.90		5:00-6:00
5:15-6:15	0	0	0	0	0	0	0	0	473	1,069	0	1,542	0	0	0	0	1,542	0	1,542	0.94		5:15-6:15
5:30-6:30	0	0	0	0	0	0	0	0	467	1,114	0	1,581	0	0	0	0	1,581	0	1,581	0.96		5:30-6:30
5:45-6:45	0	0	0	0	0	0	0	0	464	1,106	0	1,570	0	0	0	0	1,570	0	1,570	0.95		5:45-6:45
6:00-7:00	0	0	0	0	0	0	0	0	458	1,027	0	1,485	0	0	0	0	1,485	0	1,485	0.94		6:00-7:00
PM Peak 5:30-6:30	0	0	0	0	0	0	0	0	467	1,114	0	1,581	0	0	0	0	1,581	0	1,581	0.96		PM Peak 5:30-6:30

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: 23rd Street														
W & A JOB NO.: 2762				DAY: Wednesday				NORTHBOUND ROAD: 0														
INTERSECTION: Washington Circle & 23rd St.- North				WEATHER: Clear				WESTBOUND ROAD: Washington Circle														
LOCATION: Washington,DC				COUNTED BY: Rolando				EASTBOUND ROAD: Virginia Avenue														
				INPUTED BY: agan																		
Time Period	Turning Movements																		Total	PHF	Time Period	
	Southbound 23rd Street				Westbound Washington Circle				Northbound 0				Eastbound Virginia Avenue				North & South	East & West				
	1 Right 13	2 Thru	3 Left	Total	4 Right	5 Thru 12	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total						
AM																						
6:00-6:15	40	0	0	40	0	41	0	41	0	0	0	0	0	0	0	0	0	40	41	81		6:00-6:15
6:15-6:30	51	0	0	51	0	49	0	49	0	0	0	0	0	0	0	0	0	51	49	100		6:15-6:30
6:30-6:45	62	0	0	62	0	68	0	68	0	0	0	0	0	0	0	0	0	62	68	130		6:30-6:45
6:45-7:00	70	0	0	70	0	84	0	84	0	0	0	0	0	0	0	0	0	70	84	154		6:45-7:00
7:00-7:15	93	0	0	93	0	89	0	89	0	0	0	0	0	0	0	0	0	93	89	182		7:00-7:15
7:15-7:30	113	0	0	113	0	83	0	83	0	0	0	0	0	0	0	0	0	113	83	196		7:15-7:30
7:30-7:45	142	0	0	142	0	113	0	113	0	0	0	0	0	0	0	0	0	142	113	255		7:30-7:45
7:45-8:00	146	0	0	146	0	105	0	105	0	0	0	0	0	0	0	0	0	146	105	251		7:45-8:00
8:00-8:15	153	0	0	153	0	123	0	123	0	0	0	0	0	0	0	0	0	153	123	276		8:00-8:15
8:15-8:30	149	0	0	149	0	109	0	109	0	0	0	0	0	0	0	0	0	149	109	258		8:15-8:30
8:30-8:45	144	0	0	144	0	126	0	126	0	0	0	0	0	0	0	0	0	144	126	270		8:30-8:45
8:45-9:00	142	0	0	142	0	110	0	110	0	0	0	0	0	0	0	0	0	142	110	252		8:45-9:00
3 Hour Totals	1,305	0	0	1,305	0	1,100	0	1,100	0	0	0	0	0	0	0	0	0	1,305	1,100	2,405		
1 Hour Totals																						
6:00-7:00	223	0	0	223	0	242	0	242	0	0	0	0	0	0	0	0	0	223	242	465	0.75	6:00-7:00
6:15-7:15	276	0	0	276	0	290	0	290	0	0	0	0	0	0	0	0	0	276	290	566	0.78	6:15-7:15
6:30-7:30	338	0	0	338	0	324	0	324	0	0	0	0	0	0	0	0	0	338	324	662	0.84	6:30-7:30
6:45-7:45	418	0	0	418	0	369	0	369	0	0	0	0	0	0	0	0	0	418	369	787	0.77	6:45-7:45
7:00-8:00	494	0	0	494	0	390	0	390	0	0	0	0	0	0	0	0	0	494	390	884	0.87	7:00-8:00
7:15-8:15	554	0	0	554	0	424	0	424	0	0	0	0	0	0	0	0	0	554	424	978	0.89	7:15-8:15
7:30-8:30	590	0	0	590	0	450	0	450	0	0	0	0	0	0	0	0	0	590	450	1,040	0.94	7:30-8:30
7:45-8:45	592	0	0	592	0	463	0	463	0	0	0	0	0	0	0	0	0	592	463	1,055	0.96	7:45-8:45
8:00-9:00	588	0	0	588	0	468	0	468	0	0	0	0	0	0	0	0	0	588	468	1,056	0.96	8:00-9:00
AM Peak 8:00-9:00	588	0	0	588	0	468	0	468	0	0	0	0	0	0	0	0	0	588	468	1,056	0.96	AM Peak 8:00-9:00
PM																						
4:00-4:15	301	0	0	301	0	169	0	169	0	0	0	0	0	0	0	0	0	301	169	470		4:00-4:15
4:15-4:30	274	0	0	274	0	192	0	192	0	0	0	0	0	0	0	0	0	274	192	466		4:15-4:30
4:30-4:45	295	0	0	295	0	175	0	175	0	0	0	0	0	0	0	0	0	295	175	470		4:30-4:45
4:45-5:00	286	0	0	286	0	178	0	178	0	0	0	0	0	0	0	0	0	286	178	464		4:45-5:00
5:00-5:15	346	0	0	346	0	219	0	219	0	0	0	0	0	0	0	0	0	346	219	565		5:00-5:15
5:15-5:30	370	0	0	370	0	230	0	230	0	0	0	0	0	0	0	0	0	370	230	600		5:15-5:30
5:30-5:45	300	0	0	300	0	267	0	267	0	0	0	0	0	0	0	0	0	300	267	567		5:30-5:45
5:45-6:00	271	0	0	271	0	314	0	314	0	0	0	0	0	0	0	0	0	271	314	585		5:45-6:00
6:00-6:15	293	0	0	293	0	265	0	265	0	0	0	0	0	0	0	0	0	293	265	558		6:00-6:15
6:15-6:30	314	0	0	314	0	277	0	277	0	0	0	0	0	0	0	0	0	314	277	591		6:15-6:30
6:30-6:45	202	0	0	202	0	293	0	293	0	0	0	0	0	0	0	0	0	202	293	495		6:30-6:45
6:45-7:00	208	0	0	208	0	216	0	216	0	0	0	0	0	0	0	0	0	208	216	424		6:45-7:00
3 Hour Totals	3,460	0	0	3,460	0	2,795	0	2,795	0	0	0	0	0	0	0	0	0	3,460	2,795	6,255		
1 Hour Totals																						
4:00-5:00	1,156	0	0	1,156	0	714	0	714	0	0	0	0	0	0	0	0	0	1,156	714	1,870	0.99	4:00-5:00
4:15-5:15	1,201	0	0	1,201	0	764	0	764	0	0	0	0	0	0	0	0	0	1,201	764	1,965	0.87	4:15-5:15
4:30-5:30	1,297	0	0	1,297	0	802	0	802	0	0	0	0	0	0	0	0	0	1,297	802	2,099	0.87	4:30-5:30
4:45-5:45	1,302	0	0	1,302	0	894	0	894	0	0	0	0	0	0	0	0	0	1,302	894	2,196	0.92	4:45-5:45
5:00-6:00	1,287	0	0	1,287	0	1,030	0	1,030	0	0	0	0	0	0	0	0	0	1,287	1,030	2,317	0.97	5:00-6:00
5:15-6:15	1,234	0	0	1,234	0	1,076	0	1,076	0	0	0	0	0	0	0	0	0	1,234	1,076	2,310	0.96	5:15-6:15
5:30-6:30	1,178	0	0	1,178	0	1,123	0	1,123	0	0	0	0	0	0	0	0	0	1,178	1,123	2,301	0.97	5:30-6:30
5:45-6:45	1,080	0	0	1,080	0	1,149	0	1,149	0	0	0	0	0	0	0	0	0	1,080	1,149	2,229	0.94	5:45-6:45
6:00-7:00	1,017	0	0	1,017	0	1,051	0	1,051	0	0	0	0	0	0	0	0	0	1,017	1,051	2,068	0.87	6:00-7:00
PM Peak 5:00-6:00	1,287	0	0	1,287	0	1,030	0	1,030	0	0	0	0	0	0	0	0	0	1,287	1,030	2,317	0.97	PM Peak 5:00-6:00

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: Pennsylvania Avenue													
W & A JOB NO.: 2762				DAY: Wednesday				NORTHBOUND ROAD: 0													
INTERSECTION: Washington Cir. & Pennsylvania Ave.- North				WEATHER: Clear				WESTBOUND ROAD: Washington Circle													
LOCATION: Washington,DC				COUNTED BY: Jorge				EASTBOUND ROAD: K Street													
				INPUTED BY: agan																	
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Pennsylvania Avenue				Westbound Washington Circle				Northbound 0				Eastbound K Street				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right 14	5 Thru 15	6 Left 16	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	29	28	32	89	0	0	0	0	0	0	0	0	0	0	89	89	6:00-6:15
6:15-6:30	0	0	0	0	46	14	44	104	0	0	0	0	0	0	0	0	0	0	104	104	6:15-6:30
6:30-6:45	0	0	0	0	44	33	62	139	0	0	0	0	0	0	0	0	0	0	139	139	6:30-6:45
6:45-7:00	0	0	0	0	59	23	77	159	0	0	0	0	0	0	0	0	0	0	159	159	6:45-7:00
7:00-7:15	0	0	0	0	52	36	95	183	0	0	0	0	0	0	0	0	0	0	183	183	7:00-7:15
7:15-7:30	0	0	0	0	60	44	103	207	0	0	0	0	0	0	0	0	0	0	207	207	7:15-7:30
7:30-7:45	0	0	0	0	83	62	139	284	0	0	0	0	0	0	0	0	0	0	284	284	7:30-7:45
7:45-8:00	0	0	0	0	82	39	142	263	0	0	0	0	0	0	0	0	0	0	263	263	7:45-8:00
8:00-8:15	0	0	0	0	91	43	141	275	0	0	0	0	0	0	0	0	0	0	275	275	8:00-8:15
8:15-8:30	0	0	0	0	76	43	144	263	0	0	0	0	0	0	0	0	0	0	263	263	8:15-8:30
8:30-8:45	0	0	0	0	76	61	149	286	0	0	0	0	0	0	0	0	0	0	286	286	8:30-8:45
8:45-9:00	0	0	0	0	94	60	143	297	0	0	0	0	0	0	0	0	0	0	297	297	8:45-9:00
3 Hour Totals	0	0	0	0	792	486	1,271	2,549	0	0	0	0	0	0	0	0	0	0	2,549	2,549	
1 Hour Totals																					
6:00-7:00	0	0	0	0	178	98	215	491	0	0	0	0	0	0	0	0	0	0	491	491	0.77 6:00-7:00
6:15-7:15	0	0	0	0	201	106	278	585	0	0	0	0	0	0	0	0	0	0	585	585	0.80 6:15-7:15
6:30-7:30	0	0	0	0	215	136	337	688	0	0	0	0	0	0	0	0	0	0	688	688	0.83 6:30-7:30
6:45-7:45	0	0	0	0	254	165	414	833	0	0	0	0	0	0	0	0	0	0	833	833	0.73 6:45-7:45
7:00-8:00	0	0	0	0	277	181	479	937	0	0	0	0	0	0	0	0	0	0	937	937	0.82 7:00-8:00
7:15-8:15	0	0	0	0	316	188	525	1,029	0	0	0	0	0	0	0	0	0	0	1,029	1,029	0.91 7:15-8:15
7:30-8:30	0	0	0	0	332	187	566	1,085	0	0	0	0	0	0	0	0	0	0	1,085	1,085	0.96 7:30-8:30
7:45-8:45	0	0	0	0	325	186	576	1,087	0	0	0	0	0	0	0	0	0	0	1,087	1,087	0.95 7:45-8:45
8:00-9:00	0	0	0	0	337	207	577	1,121	0	0	0	0	0	0	0	0	0	0	1,121	1,121	0.94 8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	337	207	577	1,121	0	0	0	0	0	0	0	0	0	0	1,121	1,121	0.94 AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	77	137	263	477	0	0	0	0	0	0	0	0	0	0	477	477	4:00-4:15
4:15-4:30	0	0	0	0	102	127	283	512	0	0	0	0	0	0	0	0	0	0	512	512	4:15-4:30
4:30-4:45	0	0	0	0	99	120	262	481	0	0	0	0	0	0	0	0	0	0	481	481	4:30-4:45
4:45-5:00	0	0	0	0	108	146	237	491	0	0	0	0	0	0	0	0	0	0	491	491	4:45-5:00
5:00-5:15	0	0	0	0	104	194	319	617	0	0	0	0	0	0	0	0	0	0	617	617	5:00-5:15
5:15-5:30	0	0	0	0	134	186	342	662	0	0	0	0	0	0	0	0	0	0	662	662	5:15-5:30
5:30-5:45	0	0	0	0	138	240	300	678	0	0	0	0	0	0	0	0	0	0	678	678	5:30-5:45
5:45-6:00	0	0	0	0	183	192	292	667	0	0	0	0	0	0	0	0	0	0	667	667	5:45-6:00
6:00-6:15	0	0	0	0	156	232	321	709	0	0	0	0	0	0	0	0	0	0	709	709	6:00-6:15
6:15-6:30	0	0	0	0	183	172	304	659	0	0	0	0	0	0	0	0	0	0	659	659	6:15-6:30
6:30-6:45	0	0	0	0	152	143	212	507	0	0	0	0	0	0	0	0	0	0	507	507	6:30-6:45
6:45-7:00	0	0	0	0	150	202	203	555	0	0	0	0	0	0	0	0	0	0	555	555	6:45-7:00
3 Hour Totals	0	0	0	0	1,586	2,091	3,338	7,015	0	0	0	0	0	0	0	0	0	0	7,015	7,015	
1 Hour Totals																					
4:00-5:00	0	0	0	0	386	530	1,045	1,961	0	0	0	0	0	0	0	0	0	0	1,961	1,961	0.96 4:00-5:00
4:15-5:15	0	0	0	0	413	587	1,101	2,101	0	0	0	0	0	0	0	0	0	0	2,101	2,101	0.85 4:15-5:15
4:30-5:30	0	0	0	0	445	646	1,160	2,251	0	0	0	0	0	0	0	0	0	0	2,251	2,251	0.85 4:30-5:30
4:45-5:45	0	0	0	0	484	766	1,198	2,448	0	0	0	0	0	0	0	0	0	0	2,448	2,448	0.90 4:45-5:45
5:00-6:00	0	0	0	0	559	812	1,253	2,624	0	0	0	0	0	0	0	0	0	0	2,624	2,624	0.97 5:00-6:00
5:15-6:15	0	0	0	0	611	850	1,255	2,716	0	0	0	0	0	0	0	0	0	0	2,716	2,716	0.96 5:15-6:15
5:30-6:30	0	0	0	0	660	836	1,217	2,713	0	0	0	0	0	0	0	0	0	0	2,713	2,713	0.96 5:30-6:30
5:45-6:45	0	0	0	0	674	739	1,129	2,542	0	0	0	0	0	0	0	0	0	0	2,542	2,542	0.90 5:45-6:45
6:00-7:00	0	0	0	0	641	749	1,040	2,430	0	0	0	0	0	0	0	0	0	0	2,430	2,430	0.86 6:00-7:00
PM Peak 5:15-6:15	0	0	0	0	611	850	1,255	2,716	0	0	0	0	0	0	0	0	0	0	2,716	2,716	0.96 PM Peak 5:15-6:15

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: Pennsylvania Avenue													
W & A JOB NO.: 2762				DAY: Wednesday				0													
INTERSECTION: Washington Cir. & K Street				WEATHER: Clear				WESTBOUND ROAD: Washington Circle													
LOCATION: Washington,DC				COUNTED BY: Milton & Majda				EASTBOUND ROAD: K Street													
				INPUTED BY: agan																	
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Pennsylvania Avenue				Westbound Washington Circle				Northbound 0				Eastbound K Street				North & South	East & West			
	1 Right 17	2 Thru 18	3 Left	Total	4 Right	5 Thru 19	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right 20	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	36	0	36	0	17	0	17	0	0	0	0	15	0	0	15	36	32	68		6:00-6:15
6:15-6:30	3	50	0	53	0	16	0	16	0	0	0	0	31	0	0	31	53	47	100		6:15-6:30
6:30-6:45	10	54	0	64	0	20	0	20	0	0	0	0	53	0	0	53	64	73	137		6:30-6:45
6:45-7:00	10	73	0	83	0	23	0	23	0	0	0	0	77	0	0	77	83	100	183		6:45-7:00
7:00-7:15	12	87	0	99	0	26	0	26	0	0	0	0	96	0	0	96	99	122	221		7:00-7:15
7:15-7:30	17	109	0	126	0	26	0	26	0	0	0	0	103	0	0	103	126	129	255		7:15-7:30
7:30-7:45	7	128	0	135	0	29	0	29	0	0	0	0	133	0	0	133	135	162	297		7:30-7:45
7:45-8:00	10	167	0	177	0	28	0	28	0	0	0	0	108	0	0	108	177	136	313		7:45-8:00
8:00-8:15	6	213	0	219	0	43	0	43	0	0	0	0	122	0	0	122	219	165	384		8:00-8:15
8:15-8:30	5	229	0	234	0	38	0	38	0	0	0	0	131	0	0	131	234	169	403		8:15-8:30
8:30-8:45	22	242	0	264	0	43	0	43	0	0	0	0	113	0	0	113	264	156	420		8:30-8:45
8:45-9:00	13	261	0	274	0	33	0	33	0	0	0	0	138	0	0	138	274	171	445		8:45-9:00
3 Hour Totals	115	1,649	0	1,764	0	342	0	342	0	0	0	0	1,120	0	0	1,120	1,764	1,462	3,226		
1 Hour Totals																					
6:00-7:00	23	213	0	236	0	76	0	76	0	0	0	0	176	0	0	176	236	252	488	0.67	6:00-7:00
6:15-7:15	35	264	0	299	0	85	0	85	0	0	0	0	257	0	0	257	299	342	641	0.73	6:15-7:15
6:30-7:30	49	323	0	372	0	95	0	95	0	0	0	0	329	0	0	329	372	424	796	0.78	6:30-7:30
6:45-7:45	46	397	0	443	0	104	0	104	0	0	0	0	409	0	0	409	443	513	956	0.80	6:45-7:45
7:00-8:00	46	491	0	537	0	109	0	109	0	0	0	0	440	0	0	440	537	549	1,086	0.87	7:00-8:00
7:15-8:15	40	617	0	657	0	126	0	126	0	0	0	0	466	0	0	466	657	592	1,249	0.81	7:15-8:15
7:30-8:30	28	737	0	765	0	138	0	138	0	0	0	0	494	0	0	494	765	632	1,397	0.87	7:30-8:30
7:45-8:45	43	851	0	894	0	152	0	152	0	0	0	0	474	0	0	474	894	626	1,520	0.90	7:45-8:45
8:00-9:00	46	945	0	991	0	157	0	157	0	0	0	0	504	0	0	504	991	661	1,652	0.93	8:00-9:00
AM Peak 8:00-9:00	46	945	0	991	0	157	0	157	0	0	0	0	504	0	0	504	991	661	1,652	0.93	AM Peak 8:00-9:00
PM																					
4:00-4:15	11	143	0	154	0	105	0	105	0	0	0	0	48	0	0	48	154	153	307		4:00-4:15
4:15-4:30	9	204	0	213	0	106	0	106	0	0	0	0	46	0	0	46	213	152	365		4:15-4:30
4:30-4:45	11	178	0	189	0	112	0	112	0	0	0	0	40	0	0	40	189	152	341		4:30-4:45
4:45-5:00	15	170	0	185	0	131	0	131	0	0	0	0	39	0	0	39	185	170	355		4:45-5:00
5:00-5:15	26	206	0	232	0	141	0	141	0	0	0	0	63	0	0	63	232	204	436		5:00-5:15
5:15-5:30	25	182	0	207	0	167	0	167	0	0	0	0	63	0	0	63	207	230	437		5:15-5:30
5:30-5:45	15	207	0	222	0	175	0	175	0	0	0	0	46	0	0	46	222	221	443		5:30-5:45
5:45-6:00	12	183	0	195	0	149	0	149	0	0	0	0	59	0	0	59	195	208	403		5:45-6:00
6:00-6:15	30	178	0	208	0	195	0	195	0	0	0	0	80	0	0	80	208	275	483		6:00-6:15
6:15-6:30	20	170	0	190	0	133	0	133	0	0	0	0	52	0	0	52	190	185	375		6:15-6:30
6:30-6:45	24	156	0	180	0	90	0	90	0	0	0	0	61	0	0	61	180	151	331		6:30-6:45
6:45-7:00	21	186	0	207	0	61	0	61	0	0	0	0	58	0	0	58	207	119	326		6:45-7:00
3 Hour Totals	219	2,163	0	2,382	0	1,565	0	1,565	0	0	0	0	655	0	0	655	2,382	2,220	4,602		
1 Hour Totals																					
4:00-5:00	46	695	0	741	0	454	0	454	0	0	0	0	173	0	0	173	741	627	1,368	0.94	4:00-5:00
4:15-5:15	61	758	0	819	0	490	0	490	0	0	0	0	188	0	0	188	819	678	1,497	0.86	4:15-5:15
4:30-5:30	77	736	0	813	0	551	0	551	0	0	0	0	205	0	0	205	813	756	1,569	0.90	4:30-5:30
4:45-5:45	81	765	0	846	0	614	0	614	0	0	0	0	211	0	0	211	846	825	1,671	0.94	4:45-5:45
5:00-6:00	78	778	0	856	0	632	0	632	0	0	0	0	231	0	0	231	856	863	1,719	0.97	5:00-6:00
5:15-6:15	82	750	0	832	0	686	0	686	0	0	0	0	248	0	0	248	832	934	1,766	0.91	5:15-6:15
5:30-6:30	77	738	0	815	0	652	0	652	0	0	0	0	237	0	0	237	815	889	1,704	0.88	5:30-6:30
5:45-6:45	86	687	0	773	0	567	0	567	0	0	0	0	252	0	0	252	773	819	1,592	0.82	5:45-6:45
6:00-7:00	95	690	0	785	0	479	0	479	0	0	0	0	251	0	0	251	785	730	1,515	0.78	6:00-7:00
PM Peak 5:15-6:15	82	750	0	832	0	686	0	686	0	0	0	0	248	0	0	248	832	934	1,766	0.91	PM Peak 5:15-6:15

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT:		Square 54		DATE:		5/11/2005		SOUTHBOUND ROAD:		0											
W & A JOB NO.:		2762		DAY:		Wednesday		NORTHBOUND ROAD:		New Hampshire Avenue											
INTERSECTION:		Washington Cir. & New Hampshire Ave.- South		WEATHER:		Clear		WESTBOUND ROAD:		Washington Circle											
LOCATION:		Washington,DC		COUNTED BY:		Jonathan		EASTBOUND ROAD:		Washington Circle											
				INPUT BY:		agan															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 0				Westbound Washington Circle				Northbound New Hampshire Avenue				Eastbound Washington Circle				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right 23	8 Thru	9 Left	Total	10 Right 22	11 Thru 21	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	0	0	0	0	7	0	0	7	2	62	0	64	7	64	71		6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	15	0	0	15	10	127	0	137	15	137	152		6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	20	0	0	20	22	140	0	162	20	162	182		6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	24	0	0	24	20	202	0	222	24	222	246		6:45-7:00
7:00-7:15	0	0	0	0	0	0	0	0	28	0	0	28	19	264	0	283	28	283	311		7:00-7:15
7:15-7:30	0	0	0	0	0	0	0	0	33	0	0	33	20	251	0	271	33	271	304		7:15-7:30
7:30-7:45	0	0	0	0	0	0	0	0	40	0	0	40	21	301	0	322	40	322	362		7:30-7:45
7:45-8:00	0	0	0	0	0	0	0	0	46	0	0	46	25	366	0	391	46	391	437		7:45-8:00
8:00-8:15	0	0	0	0	0	0	0	0	51	0	0	51	28	397	0	425	51	425	476		8:00-8:15
8:15-8:30	0	0	0	0	0	0	0	0	54	0	0	54	26	427	0	453	54	453	507		8:15-8:30
8:30-8:45	0	0	0	0	0	0	0	0	50	0	0	50	18	441	0	459	50	459	509		8:30-8:45
8:45-9:00	0	0	0	0	0	0	0	0	117	0	0	117	28	408	0	436	117	436	553		8:45-9:00
3 Hour Totals	0	0	0	0	0	0	0	0	485	0	0	485	239	3,386	0	3,625	485	3,625	4,110		
1 Hour Totals																					
6:00-7:00	0	0	0	0	0	0	0	0	66	0	0	66	54	531	0	585	66	585	651	0.66	6:00-7:00
6:15-7:15	0	0	0	0	0	0	0	0	87	0	0	87	71	733	0	804	87	804	891	0.72	6:15-7:15
6:30-7:30	0	0	0	0	0	0	0	0	105	0	0	105	81	857	0	938	105	938	1,043	0.84	6:30-7:30
6:45-7:45	0	0	0	0	0	0	0	0	125	0	0	125	80	1,018	0	1,098	125	1,098	1,223	0.84	6:45-7:45
7:00-8:00	0	0	0	0	0	0	0	0	147	0	0	147	85	1,182	0	1,267	147	1,267	1,414	0.81	7:00-8:00
7:15-8:15	0	0	0	0	0	0	0	0	170	0	0	170	94	1,315	0	1,409	170	1,409	1,579	0.83	7:15-8:15
7:30-8:30	0	0	0	0	0	0	0	0	191	0	0	191	100	1,491	0	1,591	191	1,591	1,782	0.88	7:30-8:30
7:45-8:45	0	0	0	0	0	0	0	0	201	0	0	201	97	1,631	0	1,728	201	1,728	1,929	0.95	7:45-8:45
8:00-9:00	0	0	0	0	0	0	0	0	272	0	0	272	100	1,673	0	1,773	272	1,773	2,045	0.92	8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	0	0	0	0	272	0	0	272	100	1,673	0	1,773	272	1,773	2,045	0.92	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	0	0	0	0	23	0	0	23	68	450	0	518	23	518	541		4:00-4:15
4:15-4:30	0	0	0	0	0	0	0	0	36	0	0	36	80	495	0	575	36	575	611		4:15-4:30
4:30-4:45	0	0	0	0	0	0	0	0	38	0	0	38	70	384	0	454	38	454	492		4:30-4:45
4:45-5:00	0	0	0	0	0	0	0	0	41	0	0	41	78	403	0	481	41	481	522		4:45-5:00
5:00-5:15	0	0	0	0	0	0	0	0	45	0	0	45	81	468	0	549	45	549	594		5:00-5:15
5:15-5:30	0	0	0	0	0	0	0	0	32	0	0	32	111	427	0	538	32	538	570		5:15-5:30
5:30-5:45	0	0	0	0	0	0	0	0	32	0	0	32	75	433	0	508	32	508	540		5:30-5:45
5:45-6:00	0	0	0	0	0	0	0	0	30	0	0	30	60	417	0	477	30	477	507		5:45-6:00
6:00-6:15	0	0	0	0	0	0	0	0	58	0	0	58	107	433	0	540	58	540	598		6:00-6:15
6:15-6:30	0	0	0	0	0	0	0	0	74	0	0	74	102	441	0	543	74	543	617		6:15-6:30
6:30-6:45	0	0	0	0	0	0	0	0	49	0	0	49	66	338	0	404	49	404	453		6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	47	0	0	47	66	350	0	416	47	416	463		6:45-7:00
3 Hour Totals	0	0	0	0	0	0	0	0	505	0	0	505	964	5,039	0	6,003	505	6,003	6,508		
1 Hour Totals																					
4:00-5:00	0	0	0	0	0	0	0	0	138	0	0	138	296	1,732	0	2,028	138	2,028	2,166	0.89	4:00-5:00
4:15-5:15	0	0	0	0	0	0	0	0	160	0	0	160	309	1,750	0	2,059	160	2,059	2,219	0.91	4:15-5:15
4:30-5:30	0	0	0	0	0	0	0	0	156	0	0	156	340	1,682	0	2,022	156	2,022	2,178	0.92	4:30-5:30
4:45-5:45	0	0	0	0	0	0	0	0	150	0	0	150	345	1,731	0	2,076	150	2,076	2,226	0.94	4:45-5:45
5:00-6:00	0	0	0	0	0	0	0	0	139	0	0	139	327	1,745	0	2,072	139	2,072	2,211	0.93	5:00-6:00
5:15-6:15	0	0	0	0	0	0	0	0	152	0	0	152	353	1,710	0	2,063	152	2,063	2,215	0.93	5:15-6:15
5:30-6:30	0	0	0	0	0	0	0	0	194	0	0	194	344	1,724	0	2,068	194	2,068	2,262	0.92	5:30-6:30
5:45-6:45	0	0	0	0	0	0	0	0	211	0	0	211	335	1,629	0	1,964	211	1,964	2,175	0.88	5:45-6:45
6:00-7:00	0	0	0	0	0	0	0	0	228	0	0	228	341	1,562	0	1,903	228	1,903	2,131	0.86	6:00-7:00
PM Peak 5:30-6:30	0	0	0	0	0	0	0	0	194	0	0	194	344	1,724	0	2,068	194	2,068	2,262	0.92	PM Peak 5:30-6:30

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54				DATE: 5/11/2005				SOUTHBOUND ROAD: 23rd Street													
W & A JOB NO.: 2762				DAY: Wednesday				NORTHBOUND ROAD: 23rd Street													
INTERSECTION: 23rd Street & I Street				WEATHER: Clear				WESTBOUND ROAD: I Street													
LOCATION: Washington,DC				COUNTED BY: Roberto,Jose & Leyla				EASTBOUND ROAD:													
				INPUTED BY: agan																	
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 23rd Street				Westbound I Street				Northbound 23rd Street				Eastbound 0				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	37	7	44	2	0	3	5	11	75	0	86	0	0	0	0	130	5	135	6:00-6:15	
6:15-6:30	0	38	14	52	2	0	7	9	9	77	0	86	0	0	0	0	138	9	147	6:15-6:30	
6:30-6:45	0	62	13	75	2	0	6	8	17	95	0	112	0	0	0	0	187	8	195	6:30-6:45	
6:45-7:00	0	58	25	83	3	0	5	8	32	117	0	149	0	0	0	0	232	8	240	6:45-7:00	
7:00-7:15	0	92	18	110	1	0	13	14	26	139	0	165	0	0	0	0	275	14	289	7:00-7:15	
7:15-7:30	0	76	16	92	1	0	8	9	30	133	0	163	0	0	0	0	255	9	264	7:15-7:30	
7:30-7:45	0	87	26	113	4	0	9	13	44	186	0	230	0	0	0	0	343	13	356	7:30-7:45	
7:45-8:00	0	115	13	128	3	0	5	8	45	165	0	210	0	0	0	0	338	8	346	7:45-8:00	
8:00-8:15	2	95	10	107	5	0	12	17	51	192	0	243	0	0	0	0	350	17	367	8:00-8:15	
8:15-8:30	0	102	13	115	3	0	27	30	93	152	0	245	0	0	0	0	360	30	390	8:15-8:30	
8:30-8:45	0	114	25	139	6	0	9	15	62	154	0	216	0	0	0	0	355	15	370	8:30-8:45	
8:45-9:00	0	72	14	86	6	0	15	21	69	148	0	217	0	0	0	0	303	21	324	8:45-9:00	
3 Hour Totals	2	948	194	1,144	38	0	119	157	489	1,633	0	2,122	0	0	0	0	3,266	157	3,423		
1 Hour Totals																					
6:00-7:00	0	195	59	254	9	0	21	30	69	364	0	433	0	0	0	0	687	30	717	0.75 6:00-7:00	
6:15-7:15	0	250	70	320	8	0	31	39	84	428	0	512	0	0	0	0	832	39	871	0.75 6:15-7:15	
6:30-7:30	0	288	72	360	7	0	32	39	105	484	0	589	0	0	0	0	949	39	988	0.85 6:30-7:30	
6:45-7:45	0	313	85	398	9	0	35	44	132	575	0	707	0	0	0	0	1,105	44	1,149	0.81 6:45-7:45	
7:00-8:00	0	370	73	443	9	0	35	44	145	623	0	768	0	0	0	0	1,211	44	1,255	0.88 7:00-8:00	
7:15-8:15	2	373	65	440	13	0	34	47	170	676	0	846	0	0	0	0	1,286	47	1,333	0.91 7:15-8:15	
7:30-8:30	2	399	62	463	15	0	53	68	233	695	0	928	0	0	0	0	1,391	68	1,459	0.94 7:30-8:30	
7:45-8:45	2	426	61	489	17	0	53	70	251	663	0	914	0	0	0	0	1,403	70	1,473	0.94 7:45-8:45	
8:00-9:00	2	383	62	447	20	0	63	83	275	646	0	921	0	0	0	0	1,368	83	1,451	0.93 8:00-9:00	
AM Peak 7:45-8:45	2	426	61	489	17	0	53	70	251	663	0	914	0	0	0	0	1,403	70	1,473	0.94 AM Peak 7:45-8:45	
PM																					
4:00-4:15	0	211	19	230	6	0	23	29	6	96	0	102	0	0	0	0	332	29	361	4:00-4:15	
4:15-4:30	0	244	19	263	10	0	35	45	5	85	0	90	0	0	0	0	353	45	398	4:15-4:30	
4:30-4:45	0	246	10	256	3	0	26	29	18	99	0	117	0	0	0	0	373	29	402	4:30-4:45	
4:45-5:00	0	211	14	225	21	0	42	63	17	98	0	115	0	0	0	0	340	63	403	4:45-5:00	
5:00-5:15	0	241	12	253	12	0	31	43	32	133	0	165	0	0	0	0	418	43	461	5:00-5:15	
5:15-5:30	0	262	12	274	5	0	63	68	21	111	0	132	0	0	0	0	406	68	474	5:15-5:30	
5:30-5:45	0	233	17	250	4	0	70	74	16	119	0	135	0	0	0	0	385	74	459	5:30-5:45	
5:45-6:00	0	260	11	271	12	0	73	85	14	134	0	148	0	0	0	0	419	85	504	5:45-6:00	
6:00-6:15	0	275	15	290	3	0	61	64	15	106	0	121	0	0	0	0	411	64	475	6:00-6:15	
6:15-6:30	0	248	25	273	5	0	69	74	8	102	0	110	0	0	0	0	383	74	457	6:15-6:30	
6:30-6:45	0	185	9	194	10	0	53	63	24	98	0	122	0	0	0	0	316	63	379	6:30-6:45	
6:45-7:00	0	197	25	222	12	0	46	58	15	119	0	134	0	0	0	0	356	58	414	6:45-7:00	
3 Hour Totals	0	2,813	188	3,001	103	0	592	695	191	1,300	0	1,491	0	0	0	0	4,492	695	5,187		
1 Hour Totals																					
4:00-5:00	0	912	62	974	40	0	126	166	46	378	0	424	0	0	0	0	1,398	166	1,564	0.97 4:00-5:00	
4:15-5:15	0	942	55	997	46	0	134	180	72	415	0	487	0	0	0	0	1,484	180	1,664	0.90 4:15-5:15	
4:30-5:30	0	960	48	1,008	41	0	162	203	88	441	0	529	0	0	0	0	1,537	203	1,740	0.92 4:30-5:30	
4:45-5:45	0	947	55	1,002	42	0	206	248	86	461	0	547	0	0	0	0	1,549	248	1,797	0.95 4:45-5:45	
5:00-6:00	0	996	52	1,048	33	0	237	270	83	497	0	580	0	0	0	0	1,628	270	1,898	0.94 5:00-6:00	
5:15-6:15	0	1,030	55	1,085	24	0	267	291	66	470	0	536	0	0	0	0	1,621	291	1,912	0.95 5:15-6:15	
5:30-6:30	0	1,016	68	1,084	24	0	273	297	53	461	0	514	0	0	0	0	1,598	297	1,895	0.94 5:30-6:30	
5:45-6:45	0	968	60	1,028	30	0	256	286	61	440	0	501	0	0	0	0	1,529	286	1,815	0.90 5:45-6:45	
6:00-7:00	0	905	74	979	30	0	229	259	62	425	0	487	0	0	0	0	1,466	259	1,725	0.91 6:00-7:00	
PM Peak 5:15-6:15	0	1,030	55	1,085	24	0	267	291	66	470	0	536	0	0	0	0	1,621	291	1,912	0.95 PM Peak 5:15-6:15	

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: W & A JOB NO INTERSECTION LOCATION	Square 54 2762 22nd Street & I Street Washington,DC	DATE 5/11/2005 DAY Wednesday WEATHER Clear COUNTED BY: Dr & Shirley INPUTED BY: agan	SOUTHBOUND ROAD NORTHBOUND ROAD WESTBOUND ROAD EASTBOUND ROAD	22nd Street 22nd Street I Street																	
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 22nd Street				Westbound I Street				Northbound 22nd Street				Eastbound 0				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	1	2	0	3	8	11	4	23	0	10	6	16	23	19	42		6:00-6:15
6:15-6:30	0	0	0	0	0	7	0	7	7	21	4	32	0	10	1	11	32	18	50		6:15-6:30
6:30-6:45	0	0	0	0	1	7	0	8	9	24	6	39	0	12	3	15	39	23	62		6:30-6:45
6:45-7:00	0	0	0	0	3	9	0	12	13	25	6	44	0	25	9	34	44	46	90		6:45-7:00
7:00-7:15	0	0	0	0	1	11	0	12	20	40	9	69	0	24	10	34	69	46	115		7:00-7:15
7:15-7:30	0	0	0	0	5	5	0	10	16	43	4	63	0	25	10	35	63	45	108		7:15-7:30
7:30-7:45	0	0	0	0	5	14	0	19	25	52	4	81	0	32	26	58	81	77	158		7:30-7:45
7:45-8:00	0	0	0	0	7	9	0	16	33	61	5	99	0	27	23	50	99	66	165		7:45-8:00
8:00-8:15	0	0	0	0	7	9	0	16	18	78	7	103	0	31	33	64	103	80	183		8:00-8:15
8:15-8:30	0	0	0	0	8	17	0	25	36	64	4	104	0	34	42	76	104	101	205		8:15-8:30
8:30-8:45	0	0	0	0	8	8	0	16	31	85	6	122	0	34	49	83	122	99	221		8:30-8:45
8:45-9:00	0	0	0	0	3	14	0	17	25	97	9	131	0	38	43	81	131	98	229		8:45-9:00
3 Hour Totals	0	0	0	0	49	112	0	161	241	601	68	910	0	302	255	557	910	718	1,628		
1 Hour Totals																					
6:00-7:00	0	0	0	0	5	25	0	30	37	81	20	138	0	57	19	76	138	106	244	0.68	6:00-7:00
6:15-7:15	0	0	0	0	5	34	0	39	49	110	25	184	0	71	23	94	184	133	317	0.69	6:15-7:15
6:30-7:30	0	0	0	0	10	32	0	42	58	132	25	215	0	86	32	118	215	160	375	0.82	6:30-7:30
6:45-7:45	0	0	0	0	14	39	0	53	74	160	23	257	0	106	55	161	257	214	471	0.75	6:45-7:45
7:00-8:00	0	0	0	0	18	39	0	57	94	196	22	312	0	108	69	177	312	234	546	0.83	7:00-8:00
7:15-8:15	0	0	0	0	24	37	0	61	92	234	20	346	0	115	92	207	346	268	614	0.84	7:15-8:15
7:30-8:30	0	0	0	0	27	49	0	76	112	255	20	387	0	124	124	248	387	324	711	0.87	7:30-8:30
7:45-8:45	0	0	0	0	30	43	0	73	118	288	22	428	0	126	147	273	428	346	774	0.88	7:45-8:45
8:00-9:00	0	0	0	0	26	48	0	74	110	324	26	460	0	137	167	304	460	378	838	0.91	8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	26	48	0	74	110	324	26	460	0	137	167	304	460	378	838	0.91	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	22	20	0	42	38	42	9	89	0	17	7	24	89	66	155		4:00-4:15
4:15-4:30	0	0	0	0	21	21	0	42	35	44	12	91	0	25	9	34	91	76	167		4:15-4:30
4:30-4:45	0	0	0	0	20	23	0	43	25	57	8	90	0	22	9	31	90	74	164		4:30-4:45
4:45-5:00	0	0	0	0	17	30	0	47	33	56	14	103	0	17	9	26	103	73	176		4:45-5:00
5:00-5:15	0	0	0	0	21	41	0	62	30	51	13	94	0	18	11	29	94	91	185		5:00-5:15
5:15-5:30	0	0	0	0	28	39	0	67	19	66	4	89	0	13	15	28	89	95	184		5:15-5:30
5:30-5:45	0	0	0	0	28	41	0	69	16	39	11	66	0	19	11	30	66	99	165		5:30-5:45
5:45-6:00	0	0	0	0	21	49	0	70	17	52	11	80	0	12	8	20	80	90	170		5:45-6:00
6:00-6:15	0	0	0	0	15	37	0	52	18	65	10	93	0	20	7	27	93	79	172		6:00-6:15
6:15-6:30	0	0	0	0	21	46	0	67	17	49	12	78	0	13	10	23	78	90	168		6:15-6:30
6:30-6:45	0	0	0	0	12	31	0	43	9	40	14	63	0	23	12	35	63	78	141		6:30-6:45
6:45-7:00	0	0	0	0	13	28	0	41	14	44	13	71	0	16	8	24	71	65	136		6:45-7:00
3 Hour Totals	0	0	0	0	239	406	0	645	271	605	131	1,007	0	215	116	331	1,007	976	1,983		
1 Hour Totals																					
4:00-5:00	0	0	0	0	80	94	0	174	131	199	43	373	0	81	34	115	373	289	662	0.94	4:00-5:00
4:15-5:15	0	0	0	0	79	115	0	194	123	208	47	378	0	82	38	120	378	314	692	0.94	4:15-5:15
4:30-5:30	0	0	0	0	86	133	0	219	107	230	39	376	0	70	44	114	376	333	709	0.96	4:30-5:30
4:45-5:45	0	0	0	0	94	151	0	245	98	212	42	352	0	67	46	113	352	358	710	0.96	4:45-5:45
5:00-6:00	0	0	0	0	98	170	0	268	82	208	39	329	0	62	45	107	329	375	704	0.95	5:00-6:00
5:15-6:15	0	0	0	0	92	166	0	258	70	222	36	328	0	64	41	105	328	363	691	0.94	5:15-6:15
5:30-6:30	0	0	0	0	85	173	0	258	68	205	44	317	0	64	36	100	317	358	675	0.98	5:30-6:30
5:45-6:45	0	0	0	0	69	163	0	232	61	206	47	314	0	68	37	105	314	337	651	0.95	5:45-6:45
6:00-7:00	0	0	0	0	61	142	0	203	58	198	49	305	0	72	37	109	305	312	617	0.90	6:00-7:00
PM Peak 4:45-5:45	0	0	0	0	94	151	0	245	98	212	42	352	0	67	46	113	352	358	710	0.96	PM Peak 4:45-5:45

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT		Square 54		DATE		5/11/2005		SOUTHBOUND ROAD		22nd Street											
W & A JOB NO..		2762		DAY		Wednesday		NORTHBOUND ROAD		22nd Street											
INTERSECTION		Virginia Ave & 22nd St		WEATHER		Clear		WESTBOUND ROAD		Virginia Avenue											
LOCATION		Washington,DC		COUNTED BY		Gina & GiVanna		EASTBOUND ROAD		Virginia Avenue											
				INPUTED BY		agan															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 22nd Street				Westbound Virginia Avenue				Northbound 22nd Street				Eastbound Virginia Avenue				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	0	0	0	0	24	28	0	52	0	0	0	0	1	14	0	15	0	67	67		6:00-6:15
6:15-6:30	0	0	0	0	47	29	0	76	0	0	0	0	1	31	0	32	0	108	108		6:15-6:30
6:30-6:45	0	0	0	0	46	44	0	90	0	0	0	0	0	35	0	35	0	125	125		6:30-6:45
6:45-7:00	0	0	0	0	57	46	0	103	0	0	0	0	0	52	0	52	0	155	155		6:45-7:00
7:00-7:15	0	0	0	0	72	51	0	123	0	0	0	0	3	56	0	59	0	182	182		7:00-7:15
7:15-7:30	0	0	0	0	81	43	0	124	0	0	0	0	4	80	0	84	0	208	208		7:15-7:30
7:30-7:45	0	0	0	0	82	62	0	144	0	0	0	0	2	121	0	123	0	267	267		7:30-7:45
7:45-8:00	0	0	0	0	95	62	0	157	0	0	0	0	8	121	0	129	0	286	286		7:45-8:00
8:00-8:15	0	0	0	0	114	60	0	174	0	0	0	0	7	166	0	173	0	347	347		8:00-8:15
8:15-8:30	0	0	0	0	121	71	0	192	0	0	0	0	6	147	0	153	0	345	345		8:15-8:30
8:30-8:45	0	0	0	0	126	76	0	202	0	0	0	0	7	160	0	167	0	369	369		8:30-8:45
8:45-9:00	0	0	0	0	135	63	0	198	0	0	0	0	9	164	0	173	0	371	371		8:45-9:00
3 Hour Totals	0	0	0	0	1,000	635	0	1,635	0	0	0	0	48	1,147	0	1,195	0	2,830	2,830		
1 Hour Totals																					
6:00-7:00	0	0	0	0	174	147	0	321	0	0	0	0	2	132	0	134	0	455	455	0.73	6:00-7:00
6:15-7:15	0	0	0	0	222	170	0	392	0	0	0	0	4	174	0	178	0	570	570	0.78	6:15-7:15
6:30-7:30	0	0	0	0	256	184	0	440	0	0	0	0	7	223	0	230	0	670	670	0.81	6:30-7:30
6:45-7:45	0	0	0	0	292	202	0	494	0	0	0	0	9	309	0	318	0	812	812	0.76	6:45-7:45
7:00-8:00	0	0	0	0	330	218	0	548	0	0	0	0	17	378	0	395	0	943	943	0.82	7:00-8:00
7:15-8:15	0	0	0	0	372	227	0	599	0	0	0	0	21	488	0	509	0	1,108	1,108	0.80	7:15-8:15
7:30-8:30	0	0	0	0	412	255	0	667	0	0	0	0	23	555	0	578	0	1,245	1,245	0.90	7:30-8:30
7:45-8:45	0	0	0	0	456	269	0	725	0	0	0	0	28	594	0	622	0	1,347	1,347	0.91	7:45-8:45
8:00-9:00	0	0	0	0	496	270	0	766	0	0	0	0	29	637	0	666	0	1,432	1,432	0.96	8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	496	270	0	766	0	0	0	0	29	637	0	666	0	1,432	1,432	0.96	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	0	0	0	57	75	0	132	0	0	0	0	11	85	0	96	0	228	228		4:00-4:15
4:15-4:30	0	0	0	0	60	59	0	119	0	0	0	0	3	99	0	102	0	221	221		4:15-4:30
4:30-4:45	0	0	0	0	53	114	0	167	0	0	0	0	2	70	0	72	0	239	239		4:30-4:45
4:45-5:00	0	0	0	0	49	74	0	123	0	0	0	0	2	126	0	128	0	251	251		4:45-5:00
5:00-5:15	0	0	0	0	46	114	0	160	0	0	0	0	0	135	0	135	0	295	295		5:00-5:15
5:15-5:30	0	0	0	0	43	94	0	137	0	0	0	0	4	115	0	119	0	256	256		5:15-5:30
5:30-5:45	0	0	0	0	44	138	0	182	0	0	0	0	3	97	0	100	0	282	282		5:30-5:45
5:45-6:00	0	0	0	0	41	139	0	180	0	0	0	0	5	114	0	119	0	299	299		5:45-6:00
6:00-6:15	0	0	0	0	40	143	0	183	0	0	0	0	7	87	0	94	0	277	277		6:00-6:15
6:15-6:30	0	0	0	0	45	101	0	146	0	0	0	0	0	106	0	106	0	252	252		6:15-6:30
6:30-6:45	0	0	0	0	40	120	0	160	0	0	0	0	1	68	0	69	0	229	229		6:30-6:45
6:45-7:00	0	0	0	0	38	106	0	144	0	0	0	0	2	50	0	52	0	196	196		6:45-7:00
3 Hour Totals	0	0	0	0	556	1,277	0	1,833	0	0	0	0	40	1,152	0	1,192	0	3,025	3,025		
1 Hour Totals																					
4:00-5:00	0	0	0	0	219	322	0	541	0	0	0	0	18	380	0	398	0	939	939	0.94	4:00-5:00
4:15-5:15	0	0	0	0	208	361	0	569	0	0	0	0	7	430	0	437	0	1,006	1,006	0.85	4:15-5:15
4:30-5:30	0	0	0	0	191	396	0	587	0	0	0	0	8	446	0	454	0	1,041	1,041	0.88	4:30-5:30
4:45-5:45	0	0	0	0	182	420	0	602	0	0	0	0	9	473	0	482	0	1,084	1,084	0.92	4:45-5:45
5:00-6:00	0	0	0	0	174	485	0	659	0	0	0	0	12	461	0	473	0	1,132	1,132	0.95	5:00-6:00
5:15-6:15	0	0	0	0	168	514	0	682	0	0	0	0	19	413	0	432	0	1,114	1,114	0.93	5:15-6:15
5:30-6:30	0	0	0	0	170	521	0	691	0	0	0	0	15	404	0	419	0	1,110	1,110	0.93	5:30-6:30
5:45-6:45	0	0	0	0	166	503	0	669	0	0	0	0	13	375	0	388	0	1,057	1,057	0.88	5:45-6:45
6:00-7:00	0	0	0	0	163	470	0	633	0	0	0	0	10	311	0	321	0	954	954	0.86	6:00-7:00
PM Peak 5:00-6:00	0	0	0	0	174	485	0	659	0	0	0	0	12	461	0	473	0	1,132	1,132	0.95	PM Peak 5:00-6:00

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT		Square 54		DATE		7/12/2005		SOUTHBOUND ROAD		23rd Street											
W & A JOB NO..		2762		DAY		uesday		NORTHBOUND ROAD.		23rd Street											
INTERSECTION		23 Street/EB Virginia Avenue		WEATHER		clear		WESTBOUND ROAD		N/A											
LOCATION:		Washington DC		COUNTED BY:		Jose/Leyla		EASTBOUND ROAD		Virginia Avenue											
				INPUTED BY:		CFP															
Time Period	Turning Movements																	Total	PHF	Time Period	
	Southbound 23rd Street				Westbound N/A				Northbound 23rd Street				Eastbound Virginia Avenue				North &				East &
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total	South				West
AM																					
6:00-6:15	0	27	3	30	0	0	0	0	4	107	0	111	4	2	10	16	141	16	157		6:00-6:15
6:15-6:30	0	18	4	22	0	0	0	0	3	118	0	121	4	2	6	12	143	12	155		6:15-6:30
6:30-6:45	0	38	8	46	0	0	0	0	3	147	0	150	6	3	4	13	196	13	209		6:30-6:45
6:45-7:00	0	54	1	55	0	0	0	0	5	199	0	204	15	8	6	29	259	29	288		6:45-7:00
7:00-7:15	0	73	8	81	0	0	0	0	9	203	0	212	19	2	6	27	293	27	320		7:00-7:15
7:15-7:30	0	63	7	70	0	0	0	0	13	253	0	266	20	6	11	37	336	37	373		7:15-7:30
7:30-7:45	0	74	9	83	0	0	0	0	10	286	0	296	20	11	13	44	379	44	423		7:30-7:45
7:45-8:00	0	92	10	102	0	0	0	0	6	278	0	284	25	8	14	47	386	47	433		7:45-8:00
8:00-8:15	0	80	9	89	0	0	0	0	6	305	0	311	28	4	7	39	400	39	439		8:00-8:15
8:15-8:30	0	98	5	103	0	0	0	0	6	295	0	301	32	4	14	50	404	50	454		8:15-8:30
8:30-8:45	0	96	18	114	0	0	0	0	8	275	0	283	18	21	9	48	397	48	445		8:30-8:45
8:45-9:00	0	97	11	108	0	0	0	0	13	353	0	366	16	21	0	37	474	37	511		8:45-9:00
3 Hour Totals		0	810	93	903	0	0	0	0	86	2,819	0	2,905	207	92	100	399	3,808	399	4,207	
1 Hour Totals																					
6:00-7:00	0	137	16	153	0	0	0	0	15	571	0	586	29	15	26	70	739	70	809	0.70	6:00-7:00
6:15-7:15	0	183	21	204	0	0	0	0	20	667	0	687	44	15	22	81	891	81	972	0.76	6:15-7:15
6:30-7:30	0	228	24	252	0	0	0	0	30	802	0	832	60	19	27	106	1,084	106	1,190	0.80	6:30-7:30
6:45-7:45	0	264	25	289	0	0	0	0	37	941	0	978	74	27	36	137	1,267	137	1,404	0.83	6:45-7:45
7:00-8:00	0	302	34	336	0	0	0	0	38	1,020	0	1,058	84	27	44	155	1,394	155	1,549	0.89	7:00-8:00
7:15-8:15	0	309	35	344	0	0	0	0	35	1,122	0	1,157	93	29	45	167	1,501	167	1,668	0.95	7:15-8:15
7:30-8:30	0	344	33	377	0	0	0	0	28	1,164	0	1,192	105	27	48	180	1,569	180	1,749	0.96	7:30-8:30
7:45-8:45	0	366	42	408	0	0	0	0	26	1,153	0	1,179	103	37	44	184	1,587	184	1,771	0.98	7:45-8:45
8:00-9:00	0	371	43	414	0	0	0	0	33	1,228	0	1,261	94	50	30	174	1,675	174	1,849	0.90	8:00-9:00
AM Peak 8:00-9:00																					
0	371	43	414	0	0	0	0	0	33	1,228	0	1,261	94	50	30	174	1,675	174	1,849	0.90	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	236	11	247	0	0	0	0	14	126	0	140	39	16	12	67	387	67	454		4:00-4:15
4:15-4:30	0	244	14	258	0	0	0	0	12	111	0	123	41	12	3	56	381	56	437		4:15-4:30
4:30-4:45	0	245	18	263	0	0	0	0	12	115	0	127	48	17	7	72	390	72	462		4:30-4:45
4:45-5:00	0	267	12	279	0	0	0	0	5	135	0	140	42	19	8	69	419	69	488		4:45-5:00
5:00-5:15	0	275	12	287	0	0	0	0	19	126	0	145	80	23	7	110	432	110	542		5:00-5:15
5:15-5:30	0	300	21	321	0	0	0	0	23	109	0	132	60	15	9	84	453	84	537		5:15-5:30
5:30-5:45	0	264	10	274	0	0	0	0	15	121	0	136	82	18	9	109	410	109	519		5:30-5:45
5:45-6:00	0	315	14	329	0	0	0	0	8	98	0	106	50	17	9	76	435	76	511		5:45-6:00
6:00-6:15	0	272	9	281	0	0	0	0	2	86	0	88	45	10	5	60	369	60	429		6:00-6:15
6:15-6:30	0	262	13	275	0	0	0	0	2	136	0	138	64	14	3	81	413	81	494		6:15-6:30
6:30-6:45	0	208	3	211	0	0	0	0	0	101	0	101	53	13	7	73	312	73	385		6:30-6:45
6:45-7:00	0	233	4	237	0	0	0	0	4	125	0	129	36	10	6	52	366	52	418		6:45-7:00
3 Hour Totals		0	3,121	141	3,262	0	0	0	0	116	1,389	0	1,505	640	184	85	909	4,767	909	5,676	
1 Hour Totals																					
4:00-5:00	0	992	55	1,047	0	0	0	0	43	487	0	530	170	64	30	264	1,577	264	1,841	0.94	4:00-5:00
4:15-5:15	0	1,031	56	1,087	0	0	0	0	48	487	0	535	211	71	25	307	1,622	307	1,929	0.89	4:15-5:15
4:30-5:30	0	1,087	63	1,150	0	0	0	0	59	485	0	544	230	74	31	335	1,694	335	2,029	0.94	4:30-5:30
4:45-5:45	0	1,106	55	1,161	0	0	0	0	62	491	0	553	264	75	33	372	1,714	372	2,086	0.96	4:45-5:45
5:00-6:00	0	1,154	57	1,211	0	0	0	0	65	454	0	519	272	73	34	379	1,730	379	2,109	0.97	5:00-6:00
5:15-6:15	0	1,151	54	1,205	0	0	0	0	48	414	0	462	237	60	32	329	1,667	329	1,996	0.93	5:15-6:15
5:30-6:30	0	1,113	46	1,159	0	0	0	0	27	441	0	468	241	59	26	326	1,627	326	1,953	0.94	5:30-6:30
5:45-6:45	0	1,057	39	1,096	0	0	0	0	12	421	0	433	212	54	24	290	1,529	290	1,819	0.89	5:45-6:45
6:00-7:00	0	975	29	1,004	0	0	0	0	8	448	0	456	198	47	21	266	1,460	266	1,726	0.87	6:00-7:00
PM Peak 5:00-6:00																					
0	1,154	57	1,211	0	0	0	0	0	65	454	0	519	272	73	34	379	1,730	379	2,109	0.97	PM Peak 5:00-6:00

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT: Square 54		DATE: 7/12/2005		SOUTHBOUND ROAD: 23rd Street		NORTHBOUND ROAD: 23rd Street															
W & A JOB NO.: 2762		DAY: Tuesday		WESTBOUND ROAD: Virginia Avenue		EASTBOUND ROAD: F Street															
INTERSECTION: 23 Street/WB Virginia Avenue		WEATHER: clear		COUNTED BY: Jose/Leyla		F Street															
LOCATION: Washington DC		INPUTED BY: CFP																			
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 23rd Street				Westbound Virginia Avenue				Northbound 23rd Street				From Virginia Avenue F Street				North & South	East & West			
	1 Right	2 Thru	3 Left	Total	4 Right	5 Thru	6 Left	Total	7 Right	8 Thru	9 Left	Total	10 Right	11 Thru	12 Left	Total					
AM																					
6:00-6:15	3	33	3	39	6	5	2	13	14	101	11	126	0	0	0	0	165	13	178		6:00-6:15
6:15-6:30	2	26	4	32	5	3	1	9	10	102	10	122	1	0	0	1	154	10	164		6:15-6:30
6:30-6:45	5	55	5	65	5	6	2	13	14	128	15	157	1	0	0	1	222	14	236		6:30-6:45
6:45-7:00	1	51	5	57	6	3	2	11	12	165	17	194	1	0	0	1	251	12	263		6:45-7:00
7:00-7:15	2	71	8	81	1	0	8	9	14	189	11	214	0	0	0	0	295	9	304		7:00-7:15
7:15-7:30	1	70	6	77	5	1	4	10	20	222	19	261	1	0	0	1	338	11	349		7:15-7:30
7:30-7:45	2	92	8	102	0	5	5	10	20	257	16	293	8	0	0	8	395	18	413		7:30-7:45
7:45-8:00	4	103	7	114	12	10	5	27	10	271	11	292	1	0	0	1	406	28	434		7:45-8:00
8:00-8:15	1	97	3	101	4	7	7	18	18	261	23	302	0	0	0	0	403	18	421		8:00-8:15
8:15-8:30	3	102	11	116	7	13	6	26	28	244	18	290	0	0	0	0	406	26	432		8:15-8:30
8:30-8:45	6	128	7	141	14	11	3	28	35	229	15	279	1	0	0	1	420	29	449		8:30-8:45
8:45-9:00	4	96	8	108	11	0	0	11	23	237	12	272	2	0	0	2	380	13	393		8:45-9:00
3 Hour Totals	34	924	75	1,033	76	64	45	185	218	2,406	178	2,802	16	0	0	16	3,835	201	4,036		
1 Hour Totals																					
6:00-7:00	11	165	17	193	22	17	7	46	50	496	53	599	3	0	0	3	792	49	841	0.80	6:00-7:00
6:15-7:15	10	203	22	235	17	12	13	42	50	584	53	687	3	0	0	3	922	45	967	0.80	6:15-7:15
6:30-7:30	9	247	24	280	17	10	16	43	60	704	62	826	3	0	0	3	1,106	46	1,152	0.83	6:30-7:30
6:45-7:45	6	284	27	317	12	9	19	40	66	833	63	962	10	0	0	10	1,279	50	1,329	0.80	6:45-7:45
7:00-8:00	9	336	29	374	18	16	22	56	64	939	57	1,060	10	0	0	10	1,434	66	1,500	0.86	7:00-8:00
7:15-8:15	8	362	24	394	21	23	21	65	68	1,011	69	1,148	10	0	0	10	1,542	75	1,617	0.93	7:15-8:15
7:30-8:30	10	394	29	433	23	35	23	81	76	1,033	68	1,177	9	0	0	9	1,610	90	1,700	0.98	7:30-8:30
7:45-8:45	14	430	28	472	37	41	21	99	91	1,005	67	1,163	2	0	0	2	1,635	101	1,736	0.97	7:45-8:45
8:00-9:00	14	423	29	466	36	31	16	83	104	971	68	1,143	3	0	0	3	1,609	86	1,695	0.94	8:00-9:00
AM Peak 7:45-8:45	14	430	28	472	37	41	21	99	91	1,005	67	1,163	2	0	0	2	1,635	101	1,736	0.97	AM Peak 7:45-8:45
PM																					
4:00-4:15	4	260	13	277	14	6	2	22	12	105	11	128	5	0	0	5	405	27	432		4:00-4:15
4:15-4:30	3	254	13	270	12	1	1	14	16	75	15	106	3	0	0	3	376	17	393		4:15-4:30
4:30-4:45	3	268	10	281	12	0	1	13	13	97	10	120	1	0	0	1	401	14	415		4:30-4:45
4:45-5:00	1	280	8	289	8	3	7	18	14	113	8	135	0	0	0	0	424	18	442		4:45-5:00
5:00-5:15	0	308	14	322	17	3	4	24	11	123	6	140	0	0	0	0	462	24	486		5:00-5:15
5:15-5:30	1	339	11	351	10	7	2	19	20	79	15	114	2	0	0	2	465	21	486		5:15-5:30
5:30-5:45	1	289	16	306	7	2	3	12	7	105	13	125	3	0	0	3	431	15	446		5:30-5:45
5:45-6:00	2	354	17	373	16	5	1	22	14	77	10	101	3	0	0	3	474	25	499		5:45-6:00
6:00-6:15	0	349	3	352	11	5	3	19	14	78	8	100	3	0	0	3	452	22	474		6:00-6:15
6:15-6:30	0	317	3	320	10	5	2	17	10	91	20	121	2	0	0	2	441	19	460		6:15-6:30
6:30-6:45	2	231	4	237	19	6	5	30	7	97	12	116	1	0	0	1	353	31	384		6:30-6:45
6:45-7:00	5	243	7	255	7	4	1	12	12	87	25	124	1	0	0	1	379	13	392		6:45-7:00
3 Hour Totals	22	3,492	119	3,633	143	47	32	222	150	1,127	153	1,430	24	0	0	24	5,063	246	5,309		
1 Hour Totals																					
4:00-5:00	11	1,062	44	1,117	46	10	11	67	55	390	44	489	9	0	0	9	1,606	76	1,682	0.95	4:00-5:00
4:15-5:15	7	1,110	45	1,162	49	7	13	69	54	408	39	501	4	0	0	4	1,663	73	1,736	0.89	4:15-5:15
4:30-5:30	5	1,195	43	1,243	47	13	14	74	58	412	39	509	3	0	0	3	1,752	77	1,829	0.94	4:30-5:30
4:45-5:45	3	1,216	49	1,268	42	15	16	73	52	420	42	514	5	0	0	5	1,782	78	1,860	0.96	4:45-5:45
5:00-6:00	4	1,290	58	1,352	50	17	10	77	52	384	44	480	8	0	0	8	1,832	85	1,917	0.96	5:00-6:00
5:15-6:15	4	1,331	47	1,382	44	19	9	72	55	339	46	440	11	0	0	11	1,822	83	1,905	0.95	5:15-6:15
5:30-6:30	3	1,309	39	1,351	44	17	9	70	45	351	51	447	11	0	0	11	1,798	81	1,879	0.94	5:30-6:30
5:45-6:45	4	1,251	27	1,282	56	21	11	88	45	343	50	438	9	0	0	9	1,720	97	1,817	0.91	5:45-6:45
6:00-7:00	7	1,140	17	1,164	47	20	11	78	43	353	65	461	7	0	0	7	1,625	85	1,710	0.90	6:00-7:00
PM Peak 5:00-6:00	4	1,290	58	1,352	50	17	10	77	52	384	44	480	8	0	0	8	1,832	85	1,917	0.96	PM Peak 5:00-6:00

Appendix B

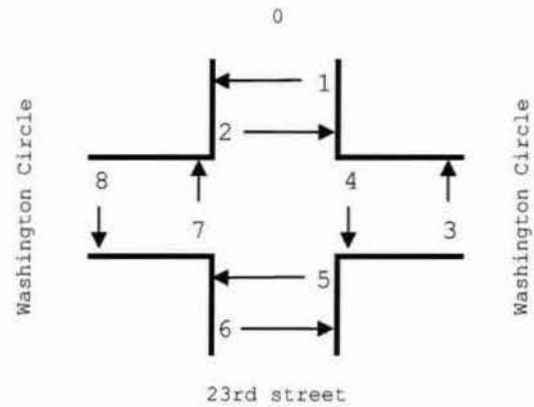
Existing Pedestrian Traffic Counts

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
 Project Number: 2762
 Location: Washington, DC
 Intersection: Washington Circle & 23rd St.-
 Weather: Clear
 Date: 5/11/2005
 Surveyor: Gary



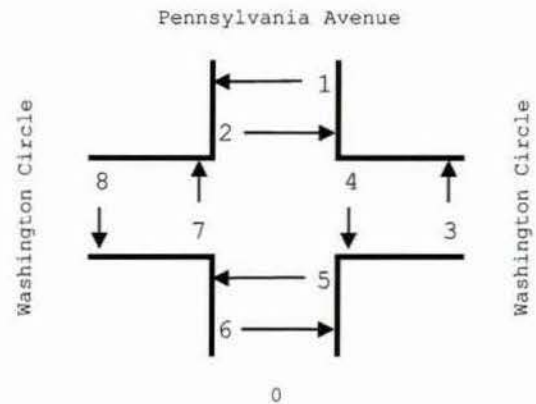
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15					4	4		
6:15-6:30					3	6		
6:30-6:45					6	9		
6:45-7:00					15	32		
7:00-7:15					4	15		
7:15-7:30					2	25		
7:30-7:45					4	57		
7:45-8:00					18	62		
8:00-8:15					9	97		
8:15-8:30					13	111		
8:30-8:45					12	117		
8:45-9:00					12	133		
PM								
4:00-4:15					34	31		
4:15-4:30					47	74		
4:30-4:45					50	56		
4:45-5:00					14	16		
5:00-5:15					26	77		
5:15-5:30					43	78		
5:30-5:45					59	13		
5:45-6:00					49	13		
6:00-6:15					43	26		
6:15-6:30					50	30		
6:30-6:45					62	24		
6:45-7:00					20	22		

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Circle & Penn.Ave.-
Weather: Clear
Date: 5/11/2005
Surveyor: Alba



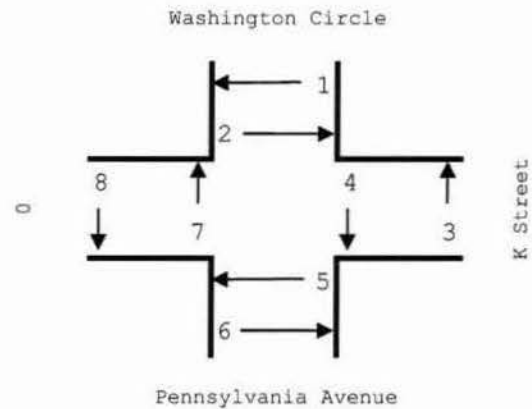
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1			1	1	10		
6:15-6:30			3	1	1	9	3	2
6:30-6:45			3	2	10	12		
6:45-7:00			2	2	15	11	2	1
7:00-7:15			2	8	17	143	14	5
7:15-7:30			1	5	22	121		1
7:30-7:45			3	9	22	143		3
7:45-8:00			2	13	20	85	10	2
8:00-8:15		3	7	23	23	61		4
8:15-8:30	3	4	10	11	29	92	2	3
8:30-8:45	2		3	23	24	58	3	4
8:45-9:00	1	2	9	26	22	54	2	3
PM								
4:00-4:15					219	43	2	1
4:15-4:30		2			76	43	1	1
4:30-4:45					108	36		5
4:45-5:00					117	42	5	1
5:00-5:15					166	52		
5:15-5:30					108	37	3	1
5:30-5:45		1	3		135	36	3	2
5:45-6:00	31	4			182	37	1	5
6:00-6:15	4	3			162	35	1	
6:15-6:30	17	2			114	43	3	3
6:30-6:45	3	4			63	32	2	1
6:45-7:00	9	5			72	36	3	5

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Cir. & K Street
Weather: Clear
Date: 5/11/2005
Surveyor: Luz



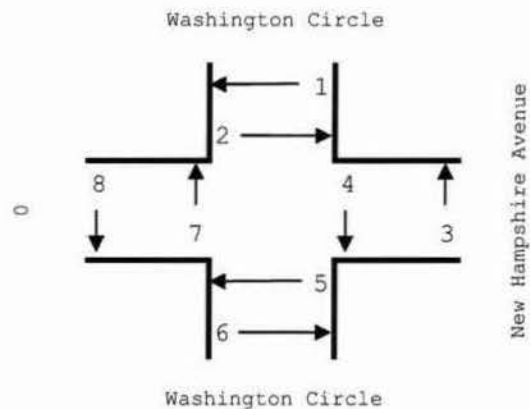
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1		3	1	1			
6:15-6:30	1	2	3	1	1	1		
6:30-6:45	4	2	2	1	1	2		
6:45-7:00	2	6	2	2	1	2		
7:00-7:15	4	7	1	2	1	1		
7:15-7:30	3	4	3	8	1	5		
7:30-7:45	6	9	2	3	2	6		1
7:45-8:00	6	10	7	10	2	6		
8:00-8:15	5	7	9	15	3	8	1	1
8:15-8:30	8	10	9	21	2	4		
8:30-8:45	2	3	7	27	2	3	1	
8:45-9:00	7	9	7	28	3	6	1	
PM								
4:00-4:15	8	2	11	6	4	5		
4:15-4:30	9	3	12	11	1	6		
4:30-4:45	11	6	3	7	4	6		
4:45-5:00	6	7	6	9	10	2		2
5:00-5:15	7	8	11	11	6	3		
5:15-5:30	10	5	10	8	7	2		
5:30-5:45	10	3	12	6	14	5		
5:45-6:00	11	9	10	5	21	2		
6:00-6:15	17	7	8	9	15	5	1	
6:15-6:30	9	8	10	7	22	12	1	
6:30-6:45	19	9	18	14	21	10		
6:45-7:00	9	10	12	3	17	5		

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Cir. & New Hampshire
Weather: Clear
Date: 5/11/2005
Surveyor: Lucia



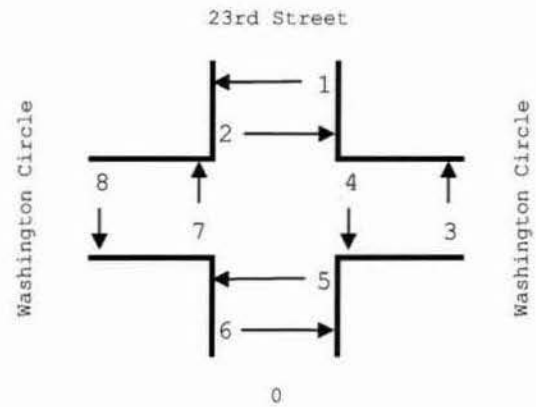
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	6	9	5	1		1		
6:15-6:30	5	6	4	2		1		
6:30-6:45	8	9	4	5				
6:45-7:00	12	12	3	12				
7:00-7:15	20	18	16	10	1			
7:15-7:30	12	25	10	23		2		
7:30-7:45	16	28	9	23		4		
7:45-8:00	19	37	12	40	3			
8:00-8:15	35	38	18	35	1	1		
8:15-8:30	49	33	22	53				
8:30-8:45	43	44	20	68				
8:45-9:00	38	46	12	69				
PM								
4:00-4:15	23	16	26	19				
4:15-4:30	30	21	25	17				
4:30-4:45	39	27	31	17				
4:45-5:00	25	21	27	16				
5:00-5:15	58	34	48	30				
5:15-5:30	41	33	42	29				
5:30-5:45	47	42	39	25				
5:45-6:00	40	27	49	12				
6:00-6:15	49	43	51	29				
6:15-6:30	34	48	41	24				
6:30-6:45	32	48	42	24				
6:45-7:00	34	25	33	17				

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Circle & 23rd St.-
Weather: Clear
Date: 5/11/2005
Surveyor: Rolando



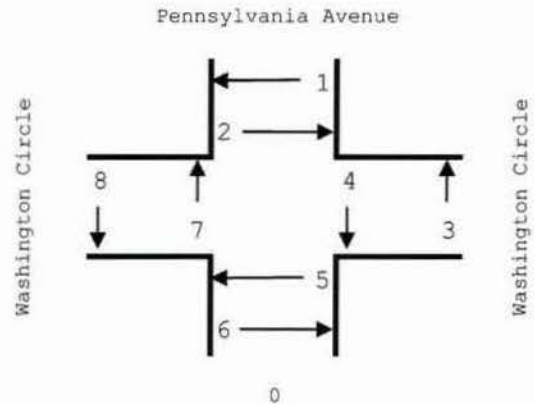
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	2		6					1
6:15-6:30	2	1	2	2			1	1
6:30-6:45	5	2	6				7	5
6:45-7:00	4	2	5	2			6	4
7:00-7:15	3	5	3				4	1
7:15-7:30	4	7	6	5			5	1
7:30-7:45	1	3	14	1				1
7:45-8:00	5	8	30	17				
8:00-8:15	12	15	24	6				1
8:15-8:30	9	25	34	8				
8:30-8:45	8	20	22	15				2
8:45-9:00	12	30	37	5				
PM								
4:00-4:15	13	16	13	18				
4:15-4:30	5	7	7	26				
4:30-4:45	15	17	7	40				
4:45-5:00	11	17	8	17				
5:00-5:15	14	15	3	42				
5:15-5:30	8	18	2	21				
5:30-5:45	11	14	5	19				
5:45-6:00	21	12	6	10				
6:00-6:15	31	4	14	14				
6:15-6:30	12	16	4	14				
6:30-6:45	10	11	5	8				
6:45-7:00	14	13	6	9				

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Cir. & Pennsylvania
Weather: Clear
Date: 5/11/2005
Surveyor: Jorge



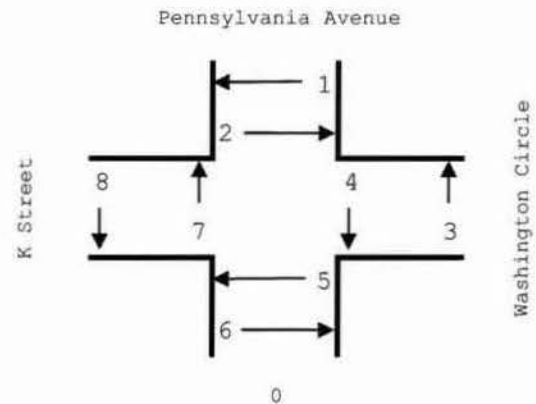
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	16	13	4	2	9	4	5	2
6:15-6:30	8	11	2	4	4	6	7	4
6:30-6:45	5	23	5	8	7	8	6	2
6:45-7:00	10	18	3	3	5	13	11	5
7:00-7:15	9	14	6	4	6	9	13	3
7:15-7:30	13	17	5	6	7	8	16	2
7:30-7:45	15	16	4	6	9	10	17	2
7:45-8:00	14	28	6	8	12	14	19	6
8:00-8:15	28	34	8	5	15	19	32	8
8:15-8:30	35	46	10	7	19	23	39	7
8:30-8:45	52	58	14	9	22	26	58	3
8:45-9:00	56	64	19	11	26	28	62	12
PM								
4:00-4:15	18	14	8	4	12	6	7	9
4:15-4:30	12	16	6	7	9	10	9	6
4:30-4:45	9	26	7	10	9	11	9	4
4:45-5:00	15	23	8	6	8	16	13	7
5:00-5:15	13	19	7	8	12	14	15	6
5:15-5:30	18	24	6	9	7	10	19	4
5:30-5:45	17	18	5	8	12	16	23	7
5:45-6:00	14	30	6	10	16	22	34	8
6:00-6:15	31	37	10	6	19	26	35	6
6:15-6:30	378	49	10	8	24	26	41	7
6:30-6:45	56	62	16	9	28	32	68	3
6:45-7:00	52	58	23	13	29	31	54	13

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Cir. & K Street
Weather: Clear
Date: 5/11/2005
Surveyor: Milton & Majda



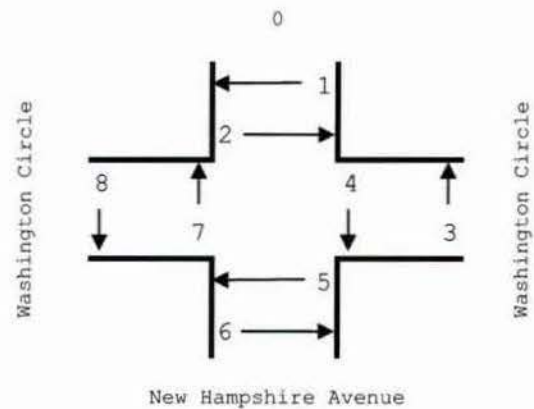
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	23	5	8	4	12	6		
6:15-6:30	12	10	7	10	8	8		
6:30-6:45	1	15	10	18	6	7		
6:45-7:00	16	18	3	20	13	10		
7:00-7:15	24	20	8	25	19	20		
7:15-7:30	26	39	5	28	18	15		
7:30-7:45	28	32	8	30	24	20		
7:45-8:00	30	38	10	30	16	12		
8:00-8:15	35	48	11	18	13	10		
8:15-8:30	70	36	12	15	10	11		
8:30-8:45	41	58	20	20	20	10		
8:45-9:00	58	70	24	18	25	13		
PM								
4:00-4:15	38	45	12	7	4	5		
4:15-4:30	42	37	7	6	6	2		
4:30-4:45	43	37	3	3	10	6		
4:45-5:00	40	32	5	5	2	9		
5:00-5:15	38	38	5	7	3	11		
5:15-5:30	48	42	8	7	4	5		
5:30-5:45	46	49	6	10	3	4		
5:45-6:00	42	46	7	8	6	6		
6:00-6:15	40	52	9	5	8	7		
6:15-6:30	58	42	15	9	3	2		
6:30-6:45	63	57	17	5	2	5		
6:45-7:00	75	50	19	2	2	1		

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Washington Cir. & New Hampshire
Weather: Clear
Date: 5/11/2005
Surveyor: Jonathan

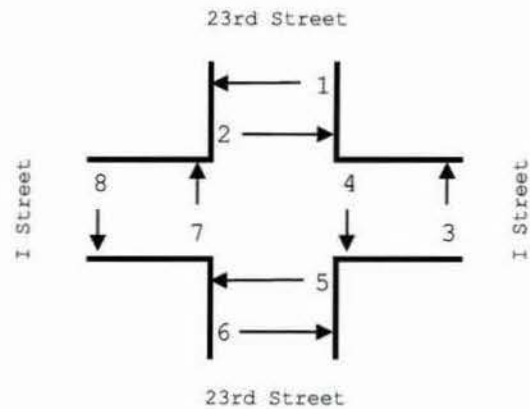


TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15			9	2	15	3	1	1
6:15-6:30			3	3	14	3		4
6:30-6:45			6	6	29	12	5	1
6:45-7:00			11	4	28	14	10	9
7:00-7:15			8	4	36	28	3	12
7:15-7:30			8	8	34	42	18	8
7:30-7:45			6	2	25	44	22	7
7:45-8:00			15	11	37	32	12	7
8:00-8:15			19	8	33	24	28	22
8:15-8:30			14	23	32	32	38	31
8:30-8:45			25	19	36	34	32	19
8:45-9:00			31	26	30	20	29	32
PM								
4:00-4:15				20	34	22	15	6
4:15-4:30			7	17	13	24	7	2
4:30-4:45				22	38	26	15	14
4:45-5:00			8	18	29	34	17	17
5:00-5:15			10	29	26	28	9	24
5:15-5:30			9	22	28	17	14	11
5:30-5:45			13	25	33	19	15	12
5:45-6:00			15	16	14	26	13	10
6:00-6:15			6	19	15	32	28	10
6:15-6:30			16	17	11	18	24	25
6:30-6:45			14	15	22	18	11	14
6:45-7:00			8	8	12	10	12	9

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: 23rd Street & I Street
Weather: Clear
Date: 5/11/2005
Surveyor: Roberto, Jose & Leyla



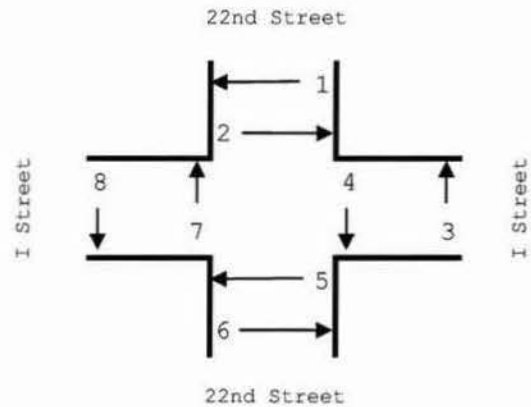
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	19	22	11	7	16	13	15	45
6:15-6:30	21	8	8	3	14	14	13	55
6:30-6:45	30	40	12	12	15	37	18	72
6:45-7:00	54	56	21	19	18	55	28	101
7:00-7:15	34	82	15	23	26	82	24	121
7:15-7:30	28	87	20	22	30	97	30	126
7:30-7:45	24	134	23	34	33	104	28	275
7:45-8:00	49	355	21	27	40	164	23	318
8:00-8:15	35	363	22	40	42	315	55	417
8:15-8:30	46	526	12	59	41	218	57	432
8:30-8:45	59	301	26	44	35	269	31	407
8:45-9:00	49	439	18	32	32	225	54	464
PM								
4:00-4:15	155	143	40	11	105	114	388	125
4:15-4:30	165	145	55	19	185	145	367	111
4:30-4:45	240	168	39	25	186	134	351	119
4:45-5:00	244	138	57	16	142	116	258	122
5:00-5:15	272	103	60	22	153	136	299	126
5:15-5:30	243	112	83	18	156	148	401	164
5:30-5:45	286	96	89	11	107	112	343	177
5:45-6:00	242	127	68	19	155	158	321	109
6:00-6:15	231	75	78	13	137	122	222	87
6:15-6:30	154	64	54	13	76	102	173	72
6:30-6:45	149	86	82	20	93	84	175	79
6:45-7:00	172	92	74	14	99	84	185	108

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: 22nd Street & I Street
Weather: Clear
Date: 5/11/2005
Surveyor: Di & Shirley



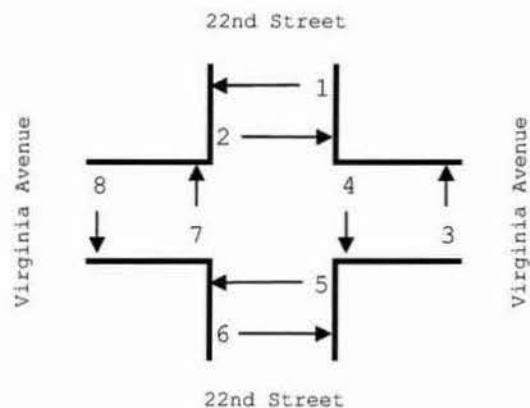
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	3	13	1	4	16	14	2	1
6:15-6:30		11	4	2	7	9	3	3
6:30-6:45	2	22	2	8	18	12	4	3
6:45-7:00	4	38	4	2	15	49	4	1
7:00-7:15	6	37	2	2	11	41	3	1
7:15-7:30	5	39	2	6	14	46	4	3
7:30-7:45	7	59	9	3	16	73	6	3
7:45-8:00	19	143	14	12	18	121	10	6
8:00-8:15	9	111	6	9	11	101	7	8
8:15-8:30	21	189	4	11	16	198	12	12
8:30-8:45	29	134	13	7	17	184	11	14
8:45-9:00	19	140	7	6	20	130	12	10
PM								
4:00-4:15	54	33	12	10	114	76	8	9
4:15-4:30	68	28	10	7	121	45	9	4
4:30-4:45	63	27	14	12	113	53	10	7
4:45-5:00	56	31	11	9	122	82	7	11
5:00-5:15	86	24	8	9	131	62	11	8
5:15-5:30	83	27	11	10	114	57	9	5
5:30-5:45	94	27	13	7	101	49	12	7
5:45-6:00	72	23	11	12	97	48	11	6
6:00-6:15	69	32	7	16	89	62	15	9
6:15-6:30	58	21	23	10	82	48	12	11
6:30-6:45	53	24	17	12	76	48	14	7
6:45-7:00	54	17	18	9	82	44	11	5

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Virginia Ave. & 22nd St.
Weather: Clear
Date: 5/11/2005
Surveyor: Gina & GiVanna



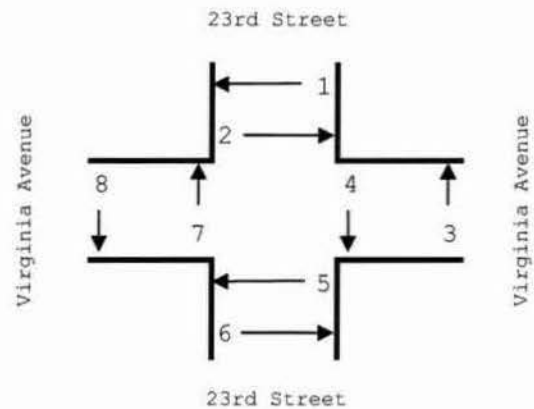
TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15		3	1	2	1	3		
6:15-6:30	1		3		1	9		
6:30-6:45	4	4		3	3	13		
6:45-7:00	1	6	5	8	2	11		
7:00-7:15	3	9	5	2	1	14		
7:15-7:30		11	11	9	2	18		
7:30-7:45		14	6	8	3	23		
7:45-8:00	3	16	12	12	4	19		
8:00-8:15	5	17	16	13	6	14		
8:15-8:30	6	13	25	14	7	12		
8:30-8:45	3	15	30	14	5	8		
8:45-9:00	8	13	12	11	4	6		
PM								
4:00-4:15	14	4	5	11	11	7		
4:15-4:30	17	10	6	13	14	9		
4:30-4:45	30	3	12	18	16	10		
4:45-5:00	24	5	5	26	18	11		
5:00-5:15	30	8	10	25	11	19		
5:15-5:30	23	6	11	18	21	28		
5:30-5:45	21	3	8	19	24	22		
5:45-6:00	18	4	7	20	11	18		
6:00-6:15	25	6	4	4	13	14		
6:15-6:30	17	10	5	3	12	11		
6:30-6:45	20	3	4	10	14	8		
6:45-7:00	9	5	1	2	9	6		

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Square 54
Project Number: 2762
Location: Washington, DC
Intersection: Virginia Ave. & 23rd Street
Weather: Clear
Date: 5/11/2005
Surveyor: Al & Gerri



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	11		5	7	2	12	2	14
6:15-6:30	1	3	1	14	5	9	4	20
6:30-6:45	3	5	2	21	5	6	6	30
6:45-7:00	1	2	5	39	3	15	1	46
7:00-7:15	3	5	2	35	6	6	8	55
7:15-7:30	1	14	4	52	4	19	4	58
7:30-7:45	3	22	1	66	3	21	11	70
7:45-8:00	4	29	4	86	9	30	12	89
8:00-8:15	7	27	9	146	6	40	23	107
8:15-8:30	4	43	5	112	5	43	18	112
8:30-8:45	6	33	8	100	6	40	12	71
8:45-9:00	6	11	10	57	11	37	13	48
PM								
4:00-4:15	19	16	22	7	18	10	90	20
4:15-4:30	11	7	8	3	3		42	6
4:30-4:45	30	21	40	10	18	1	52	15
4:45-5:00	32	28	44	11	6	1	89	29
5:00-5:15	35	48	87	18	30	2	151	21
5:15-5:30	34	28	85	8	38	7	101	30
5:30-5:45	44	28	76	21	41	6	96	39
5:45-6:00	27	17	76	21	73	10	149	79
6:00-6:15	28	23	77	18	18	3	74	46
6:15-6:30	26	23	50	19	16	2	39	44
6:30-6:45	33	22	47	12	9	3	49	35
6:45-7:00	28	32	43	17	20	5	58	48

Appendix C

Existing Intersection Levels of Service

Existing Conditions
1: Washington Circle & 23rd Street

AM Peak Hour
5/20/2006

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↑	↑				↑↑↑
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0				4.0
Lane Util. Factor	0.86	0.86				0.76
Frbp, ped/bikes	1.00	0.84				1.00
Flpb, ped/bikes	1.00	1.00				1.00
Frt	1.00	0.85				0.85
Flt Protected	1.00	1.00				1.00
Satd. Flow (prot)	4285	1029				3249
Flt Permitted	1.00	1.00				1.00
Satd. Flow (perm)	4285	1029				3249
Volume (vph)	1775	490	0	0	0	606
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	1929	533	0	0	0	659
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	1989	473	0	0	0	659
Confl. Peds. (#/hr)		504	504		165	
Turn Type	Perm		custom			
Protected Phases	1 2 3					
Permitted Phases		1 2 3				12
Actuated Green, G (s)	100.0	100.0				74.0
Effective Green, g (s)	100.0	100.0				74.0
Actuated g/C Ratio	1.00	1.00				0.74
Clearance Time (s)						4.0
Lane Grp Cap (vph)	4285	1029				2404
v/s Ratio Prot	c0.46					
v/s Ratio Perm		0.46				0.20
v/c Ratio	0.46	0.46				0.27
Uniform Delay, d1	0.0	0.0				4.2
Progression Factor	1.00	1.00				1.70
Incremental Delay, d2	0.3	1.0				0.3
Delay (s)	0.3	1.0				7.5
Level of Service	A	A				A
Approach Delay (s)	0.4			0.0	7.5	
Approach LOS	A			A	A	
Intersection Summary						
HCM Average Control Delay		1.9		HCM Level of Service		A
HCM Volume to Capacity ratio		0.46				
Actuated Cycle Length (s)		100.0		Sum of lost time (s)		0.0
Intersection Capacity Utilization		65.4%		ICU Level of Service		C
Analysis Period (min)		15				
c Critical Lane Group						

Existing Conditions
2: Washington Circle & New Hampshire Avenue

AM Peak Hour
5/20/2006



Movement	WBL	WBR	SBL	SBR	NEL	NER
Lane Configurations			←←←	→		→
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)			4.0	4.0		4.0
Lane Util. Factor			0.94	1.00		1.00
Frpb, ped/bikes			1.00	1.00		0.89
Flpb, ped/bikes			1.00	1.00		1.00
Frt			1.00	0.85		0.86
Flt Protected			0.95	1.00		1.00
Satd. Flow (prot)			4491	1425		1138
Flt Permitted			0.95	1.00		1.00
Satd. Flow (perm)			4491	1425		1138
Volume (vph)	0	0	2076	124	0	189
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	2257	135	0	205
RTOR Reduction (vph)	0	0	134	28	0	0
Lane Group Flow (vph)	0	0	2123	107	0	205
Confl. Peds. (#/hr)	241	231	165	241	231	165
Parking (#/hr)						3
Turn Type			custom			
Protected Phases			4 7	8 10		
Permitted Phases						10
Actuated Green, G (s)			65.0	79.0		40.0
Effective Green, g (s)			65.0	79.0		48.0
Actuated g/C Ratio			0.65	0.79		0.48
Clearance Time (s)						12.0
Lane Grp Cap (vph)			2919	1126		546
v/s Ratio Prot			c0.47	0.07		
v/s Ratio Perm						c0.18
v/c Ratio			0.73	0.09		0.38
Uniform Delay, d1			11.6	2.4		16.5
Progression Factor			1.00	1.00		1.00
Incremental Delay, d2			1.6	0.2		2.0
Delay (s)			13.2	2.6		18.5
Level of Service			B	A		B
Approach Delay (s)	0.0		12.6		18.5	
Approach LOS	A		B		B	
Intersection Summary						
HCM Average Control Delay			13.1		HCM Level of Service	B
HCM Volume to Capacity ratio			0.61			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	4.0
Intersection Capacity Utilization			80.5%		ICU Level of Service	D
Analysis Period (min)			15			
c Critical Lane Group						

Existing Conditions
3: K Street EB & Washington Circle

AM Peak Hour
5/20/2006



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations		↗↘			↗↗↗	
Sign Control	Yield			Free	Free	
Grade	0%			0%	0%	
Volume (veh/h)	0	647	0	0	1553	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	703	0	0	1688	0
Pedestrians	112			231		
Lane Width (ft)	12.0			0.0		
Walking Speed (ft/s)	4.0			4.0		
Percent Blockage	9			0		
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)				141		
pX, platoon unblocked						
vC, conflicting volume	1800	906	1800			
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1800	906	1800			
tC, single (s)	6.8	6.9	4.1			
tC, 2 stage (s)						
tF (s)	3.5	3.3	2.2			
p0 queue free %	100	0	100			
cM capacity (veh/h)	64	253	307			
Direction, Lane #	EB 1	EB 2	SB 1	SB 2	SB 3	
Volume Total	352	352	563	563	563	
Volume Left	0	0	0	0	0	
Volume Right	352	352	0	0	0	
cSH	253	253	1700	1700	1700	
Volume to Capacity	1.39	1.39	0.33	0.33	0.33	
Queue Length 95th (ft)	480	480	0	0	0	
Control Delay (s)	235.7	235.7	0.0	0.0	0.0	
Lane LOS	F	F				
Approach Delay (s)	235.7		0.0			
Approach LOS	F					
Intersection Summary						
Average Delay			69.3			
Intersection Capacity Utilization			73.2%	ICU Level of Service		D
Analysis Period (min)			15			

Existing Conditions
5: Washington Circle & 23rd Street

AM Peak Hour
5/20/2006



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations			↑↑↑			↑↑↑
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)			4.0			4.0
Lane Util. Factor			0.86			0.76
Frbp, ped/bikes			1.00			0.99
Flpb, ped/bikes			1.00			1.00
Frt			1.00			0.85
Flt Protected			1.00			1.00
Satd. Flow (prot)			5767			3206
Flt Permitted			1.00			1.00
Satd. Flow (perm)			5767			3206
Volume (vph)	0	0	532	0	0	668
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	578	0	0	726
RTOR Reduction (vph)	0	0	0	0	0	182
Lane Group Flow (vph)	0	0	578	0	0	545
Confl. Peds. (#/hr)	131			131	151	3
Turn Type					custom	
Protected Phases			10 11			
Permitted Phases						1 3
Actuated Green, G (s)			100.0			75.0
Effective Green, g (s)			100.0			75.0
Actuated g/C Ratio			1.00			0.75
Clearance Time (s)						
Lane Grp Cap (vph)			5767			2405
v/s Ratio Prot			c0.10			
v/s Ratio Perm						c0.17
v/c Ratio			0.10			0.23
Uniform Delay, d1			0.0			3.8
Progression Factor			1.00			1.00
Incremental Delay, d2			0.0			0.2
Delay (s)			0.0			4.0
Level of Service			A			A
Approach Delay (s)		0.0	0.0		4.0	
Approach LOS		A	A		A	
Intersection Summary						
HCM Average Control Delay			2.2		HCM Level of Service	A
HCM Volume to Capacity ratio			0.20			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	4.0
Intersection Capacity Utilization			56.1%		ICU Level of Service	B
Analysis Period (min)			15			
c Critical Lane Group						

Existing Conditions
6: Washington Circle & New Hampshire Avenue

AM Peak Hour
5/20/2006



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations			↑↑↑	↑		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)			4.0	4.0		
Lane Util. Factor			0.86	0.86		
Frpb, ped/bikes			0.94	1.00		
Flpb, ped/bikes			1.00	1.00		
Frt			0.93	0.85		
Flt Protected			1.00	1.00		
Satd. Flow (prot)			3760	1226		
Flt Permitted			1.00	1.00		
Satd. Flow (perm)			3760	1226		
Volume (vph)	0	0	532	963	0	0
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	578	1047	0	0
RTOR Reduction (vph)	0	0	0	0	0	0
Lane Group Flow (vph)	0	0	1101	524	0	0
Confl. Peds. (#/hr)	297			297	2	326
Turn Type			custom			
Protected Phases			7 9	4 6		
Permitted Phases						
Actuated Green, G (s)			71.0	75.0		
Effective Green, g (s)			71.0	75.0		
Actuated g/C Ratio			0.71	0.75		
Clearance Time (s)						
Lane Grp Cap (vph)			2670	920		
v/s Ratio Prot			c0.29	c0.43		
v/s Ratio Perm						
v/c Ratio			0.41	0.57		
Uniform Delay, d1			5.9	5.5		
Progression Factor			1.24	0.57		
Incremental Delay, d2			0.5	2.5		
Delay (s)			7.9	5.6		
Level of Service			A	A		
Approach Delay (s)		0.0	7.1		0.0	
Approach LOS		A	A		A	
Intersection Summary						
HCM Average Control Delay			7.1		HCM Level of Service	A
HCM Volume to Capacity ratio			0.54			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	4.0
Intersection Capacity Utilization			56.1%		ICU Level of Service	B
Analysis Period (min)			15			
c Critical Lane Group						

Existing Conditions
7: K Street WB & Washington Circle

AM Peak Hour
5/20/2006

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Sign Control	Yield		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	0	257	1238	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	279	1346	0	0	0
Pedestrians	123		31			51
Lane Width (ft)	12.0		12.0			0.0
Walking Speed (ft/s)	4.0		4.0			4.0
Percent Blockage	10		3			0
Right turn flare (veh)						
Median type	None					
Median storage veh						
Upstream signal (ft)	144					
pX, platoon unblocked						
vC, conflicting volume	1500	510			1469	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1500	510			1469	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	100	39			100	
cM capacity (veh/h)	99	456			409	
Direction, Lane #	WB 1	WB 2	NB 1	NB 2	NB 3	NB 4
Volume Total	140	140	336	336	336	336
Volume Left	0	0	0	0	0	0
Volume Right	140	140	0	0	0	0
cSH	456	456	1700	1700	1700	1700
Volume to Capacity	0.31	0.31	0.20	0.20	0.20	0.20
Queue Length 95th (ft)	32	32	0	0	0	0
Control Delay (s)	16.3	16.3	0.0	0.0	0.0	0.0
Lane LOS	C	C				
Approach Delay (s)	16.3		0.0			
Approach LOS	C					
Intersection Summary						
Average Delay	2.8					
Intersection Capacity Utilization	40.6%					
ICU Level of Service	A					
Analysis Period (min)	15					

Existing Conditions
9: I Street & 23rd Street

AM Peak Hour
5/20/2006

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	W		↑↑↑			↑↑
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0			4.0
Lane Util. Factor	1.00		0.91			0.95
Frpb, ped/bikes	0.87		0.94			1.00
Flpb, ped/bikes	0.62		1.00			0.99
Frt	0.97		0.96			1.00
Flt Protected	0.96		1.00			0.99
Satd. Flow (prot)	745		4089			2962
Flt Permitted	0.96		1.00			0.72
Satd. Flow (perm)	745		4089			2143
Volume (vph)	63	20	646	275	62	383
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	68	22	702	299	67	416
RTOR Reduction (vph)	12	0	77	0	0	0
Lane Group Flow (vph)	78	0	924	0	0	483
Confl. Peds. (#/hr)	1177	1700		253	253	
Parking (#/hr)	3	3			3	3
Turn Type					Perm	
Protected Phases			2			6
Permitted Phases	8				6	
Actuated Green, G (s)	27.0		63.0			63.0
Effective Green, g (s)	28.0		64.0			64.0
Actuated g/C Ratio	0.28		0.64			0.64
Clearance Time (s)	5.0		5.0			5.0
Lane Grp Cap (vph)	209		2617			1372
v/s Ratio Prot			c0.23			
v/s Ratio Perm	c0.11					0.23
v/c Ratio	0.38		0.35			0.35
Uniform Delay, d1	29.0		8.4			8.4
Progression Factor	1.00		0.80			0.96
Incremental Delay, d2	5.1		0.3			0.6
Delay (s)	34.1		7.1			8.6
Level of Service	C		A			A
Approach Delay (s)	34.1		7.1			8.6
Approach LOS	C		A			A
Intersection Summary						
HCM Average Control Delay			9.1		HCM Level of Service	A
HCM Volume to Capacity ratio			0.36			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			93.9%		ICU Level of Service	F
Analysis Period (min)			15			
c Critical Lane Group						

											
Movement	NBL	NBT	NBR	SBL2	SBT	SBR	NWL	NWT	NWR	NWR2	
Lane Configurations											
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		4.0			4.0			4.0		4.0	
Lane Util. Factor		0.95			0.95			0.95		0.95	
Frpb, ped/bikes		0.98			0.99			0.94		0.67	
Flpb, ped/bikes		0.99			1.00			1.00		1.00	
Frt		0.99			1.00			0.94		0.85	
Flt Protected		1.00			1.00			0.99		1.00	
Satd. Flow (prot)		3023			3118			1387		908	
Flt Permitted		0.87			0.78			0.99		1.00	
Satd. Flow (perm)		2650			2427			1387		908	
Volume (vph)	75	1069	114	29	423	14	16	31	36	2	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	82	1162	124	32	460	15	17	34	39	2	
RTOR Reduction (vph)	0	0	0	0	2	0	0	0	0	1	
Lane Group Flow (vph)	0	1368	0	0	505	0	0	90	0	1	
Confl. Peds. (#/hr)	404		447	447		404			137	447	
Turn Type	Perm			Perm			Perm			Perm	
Protected Phases		6			2			4			
Permitted Phases	6			2			4			4	
Actuated Green, G (s)		56.0			52.0			32.0		32.0	
Effective Green, g (s)		58.0			58.0			34.0		34.0	
Actuated g/C Ratio		0.58			0.58			0.34		0.34	
Clearance Time (s)		6.0			10.0			6.0		6.0	
Lane Grp Cap (vph)		1537			1408			472		309	
v/s Ratio Prot											
v/s Ratio Perm		0.52			0.21			0.06		0.00	
v/c Ratio		0.89			0.36			0.19		0.00	
Uniform Delay, d1		18.2			11.1			23.3		21.8	
Progression Factor		0.21			0.71			1.00		1.00	
Incremental Delay, d2		5.8			0.7			0.9		0.0	
Delay (s)		9.7			8.6			24.2		21.8	
Level of Service		A			A			C		C	
Approach Delay (s)		9.7			8.6			24.1			
Approach LOS		A			A			C			
Intersection Summary											
HCM Average Control Delay		10.1			HCM Level of Service				B		
HCM Volume to Capacity ratio		0.63									
Actuated Cycle Length (s)		100.0			Sum of lost time (s)				8.0		
Intersection Capacity Utilization		139.9%			ICU Level of Service				H		
Analysis Period (min)		15									
c Critical Lane Group											

Existing Conditions
11: Virginia Avenue (EB) & 23rd Street

AM Peak Hour
5/20/2006

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔						↕	↗		↕	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0						4.0	4.0		4.0	
Lane Util. Factor		1.00						0.95	1.00		0.95	
Frpb, ped/bikes		0.90						1.00	0.56		1.00	
Flpb, ped/bikes		1.00						1.00	1.00		0.99	
Frt		0.93						1.00	0.85		1.00	
Flt Protected		0.99						1.00	1.00		0.99	
Satd. Flow (prot)		1387						3185	796		2970	
Flt Permitted		0.99						1.00	1.00		0.70	
Satd. Flow (perm)		1387						3185	796		2081	
Volume (vph)	30	50	94	0	0	0	0	1228	33	46	393	0
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	33	54	102	0	0	0	0	1335	36	50	427	0
RTOR Reduction (vph)	0	39	0	0	0	0	0	0	15	0	0	0
Lane Group Flow (vph)	0	150	0	0	0	0	0	1335	21	0	477	0
Confl. Peds. (#/hr)			188	188			404		447	447		404
Parking (#/hr)											3	3
Turn Type	custom						Perm		Perm			
Protected Phases	4	4					2				6	
Permitted Phases	4							2		6		
Actuated Green, G (s)		32.0						52.0	52.0		56.0	
Effective Green, g (s)		34.0						58.0	58.0		58.0	
Actuated g/C Ratio		0.34						0.58	0.58		0.58	
Clearance Time (s)		6.0						10.0	10.0		6.0	
Lane Grp Cap (vph)		472						1847	462		1207	
v/s Ratio Prot		c0.11						c0.42				
v/s Ratio Perm									0.03		0.23	
v/c Ratio		0.32						0.72	0.05		0.40	
Uniform Delay, d1		24.4						15.2	9.1		11.4	
Progression Factor		1.00						1.00	1.00		0.14	
Incremental Delay, d2		1.8						2.5	0.2		0.9	
Delay (s)		26.2						17.7	9.2		2.5	
Level of Service		C						B	A		A	
Approach Delay (s)		26.2			0.0			17.5			2.5	
Approach LOS		C			A			B			A	
Intersection Summary												
HCM Average Control Delay		14.8									B	
HCM Volume to Capacity ratio		0.57										
Actuated Cycle Length (s)		100.0							8.0			
Intersection Capacity Utilization		123.3%									H	
Analysis Period (min)		15										

c Critical Lane Group

Existing Conditions
12: K Street WB & 22nd Street

AM Peak Hour
5/20/2006

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↑↑			↑↑↑				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0			4.0				
Lane Util. Factor					0.95			0.91				
Frbp, ped/bikes					1.00			1.00				
Flpb, ped/bikes					1.00			0.98				
Frt					0.94			1.00				
Flt Protected					1.00			0.99				
Satd. Flow (prot)					2821			4450				
Flt Permitted					1.00			0.99				
Satd. Flow (perm)					2821			4450				
Volume (vph)	0	0	0	0	135	91	122	576	0	0	0	0
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	0	147	99	133	626	0	0	0	0
RTOR Reduction (vph)	0	0	0	0	78	0	0	33	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	168	0	0	726	0	0	0	0
Confl. Peds. (#/hr)			50	50			248					248
Parking (#/hr)					3	3						
Turn Type							Perm					
Protected Phases					1 3			2				
Permitted Phases							2					
Actuated Green, G (s)					24.0			68.0				
Effective Green, g (s)					21.0			68.0				
Actuated g/C Ratio					0.21			0.68				
Clearance Time (s)								4.0				
Lane Grp Cap (vph)					592			3026				
v/s Ratio Prot					0.06							
v/s Ratio Perm								0.16				
v/c Ratio					0.28			0.24				
Uniform Delay, d1					33.2			6.1				
Progression Factor					1.00			0.00				
Incremental Delay, d2					1.2			0.2				
Delay (s)					34.4			0.2				
Level of Service					C			A				
Approach Delay (s)		0.0			34.4			0.2			0.0	
Approach LOS		A			C			A			A	
Intersection Summary												
HCM Average Control Delay			8.6					HCM Level of Service			A	
HCM Volume to Capacity ratio			0.23									
Actuated Cycle Length (s)			100.0					Sum of lost time (s)			4.0	
Intersection Capacity Utilization			31.4%					ICU Level of Service			A	
Analysis Period (min)			15									
c Critical Lane Group												

Existing Conditions
13: K Street EB & 22nd Street

AM Peak Hour
5/20/2006

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕↕						↕↕↕				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0						4.0				
Lane Util. Factor		0.95						0.91				
Frpb, ped/bikes		1.00						1.00				
Flpb, ped/bikes		1.00						1.00				
Frt		1.00						1.00				
Flt Protected		1.00						1.00				
Satd. Flow (prot)		3179						4564				
Flt Permitted		1.00						1.00				
Satd. Flow (perm)		3179						4564				
Volume (vph)	10	389	0	0	0	0	0	688	10	0	0	0
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	11	423	0	0	0	0	0	748	11	0	0	0
RTOR Reduction (vph)	0	2	0	0	0	0	0	1	0	0	0	0
Lane Group Flow (vph)	0	432	0	0	0	0	0	758	0	0	0	0
Confl. Peds. (#/hr)	50		50	50		50	248		50	50		248
Turn Type	Perm											
Protected Phases		4 6						5				
Permitted Phases	4 6											
Actuated Green, G (s)		52.0						40.0				
Effective Green, g (s)		52.0						40.0				
Actuated g/C Ratio		0.52						0.40				
Clearance Time (s)								4.0				
Lane Grp Cap (vph)		1653						1826				
v/s Ratio Prot								c0.17				
v/s Ratio Perm		0.14										
v/c Ratio		0.26						0.42				
Uniform Delay, d1		13.3						21.6				
Progression Factor		0.14						0.24				
Incremental Delay, d2		0.4						0.6				
Delay (s)		2.2						5.7				
Level of Service		A						A				
Approach Delay (s)		2.2			0.0			5.7			0.0	
Approach LOS		A			A			A			A	
Intersection Summary												
HCM Average Control Delay		4.4						HCM Level of Service		A		
HCM Volume to Capacity ratio		0.33										
Actuated Cycle Length (s)		100.0						Sum of lost time (s)		12.0		
Intersection Capacity Utilization		37.3%						ICU Level of Service		A		
Analysis Period (min)		15										
c Critical Lane Group												

Existing Conditions
14: Pennsylvania Avenue & 22nd Street

AM Peak Hour
5/20/2006



Movement	EBL	EBT	WBR	WBR2	NBL	NBT	NBR
Lane Configurations		↑↑↑	↑↑↑			↑↑↑	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0			4.0	
Lane Util. Factor		0.91	0.76			0.91	
Frbp, ped/bikes		1.00	1.00			1.00	
Flpb, ped/bikes		1.00	1.00			1.00	
Frt		1.00	0.85			0.98	
Flt Protected		1.00	1.00			1.00	
Satd. Flow (prot)		4576	3124			4455	
Flt Permitted		1.00	1.00			1.00	
Satd. Flow (perm)		4576	3124			4455	
Volume (vph)	2	1065	275	179	48	517	74
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	1158	299	195	52	562	80
RTOR Reduction (vph)	0	0	119	0	0	16	0
Lane Group Flow (vph)	0	1160	375	0	0	678	0
Confl. Peds. (#/hr)	34		16	34	16		21
Parking (#/hr)			3	3			
Turn Type	custom			Perm			
Protected Phases	9	7 9	7			8	
Permitted Phases	7				8		
Actuated Green, G (s)		64.0	32.0			24.0	
Effective Green, g (s)		62.0	32.0			26.0	
Actuated g/C Ratio		0.62	0.32			0.26	
Clearance Time (s)			4.0			6.0	
Lane Grp Cap (vph)		3020	1000			1158	
v/s Ratio Prot		c0.12	0.12				
v/s Ratio Perm		0.14				0.15	
v/c Ratio		0.38	0.38			0.59	
Uniform Delay, d1		9.5	26.3			32.3	
Progression Factor		0.20	1.00			1.00	
Incremental Delay, d2		0.3	1.1			2.2	
Delay (s)		2.2	27.3			34.5	
Level of Service		A	C			C	
Approach Delay (s)		2.2				34.5	
Approach LOS		A				C	
Intersection Summary							
HCM Average Control Delay		17.0		HCM Level of Service		B	
HCM Volume to Capacity ratio		0.44					
Actuated Cycle Length (s)		100.0		Sum of lost time (s)		8.0	
Intersection Capacity Utilization		79.0%		ICU Level of Service		D	
Analysis Period (min)		15					

c Critical Lane Group

Existing Conditions
15: I Street & 22nd Street

AM Peak Hour
5/20/2006

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	191	138	0	0	49	29	27	366	110	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	208	150	0	0	53	32	29	398	120	0	0	0
Direction, Lane #	EB 1	WB 1	NB 1	NB 2								
Volume Total (vph)	358	85	228	318								
Volume Left (vph)	208	0	29	0								
Volume Right (vph)	0	32	0	120								
Hadj (s)	0.15	-0.19	0.10	-0.23								
Departure Headway (s)	5.5	5.6	5.9	5.5								
Degree Utilization, x	0.55	0.13	0.37	0.49								
Capacity (veh/h)	633	590	596	631								
Control Delay (s)	14.9	9.5	11.1	12.5								
Approach Delay (s)	14.9	9.5	11.9									
Approach LOS	B	A	B									
Intersection Summary												
Delay			12.8									
HCM Level of Service			B									
Intersection Capacity Utilization			53.5%		ICU Level of Service				A			
Analysis Period (min)			15									