

Appendix A
Existing Traffic Counts

ZONING COMMISSION
CASE No. 05-17
EXHIBIT No. 21A

ZONING COMMISSION
District of Columbia
CASE NO.05-17
EXHIBIT NO.21AA1

Wells & Associates, LLC

McLean, Virginia

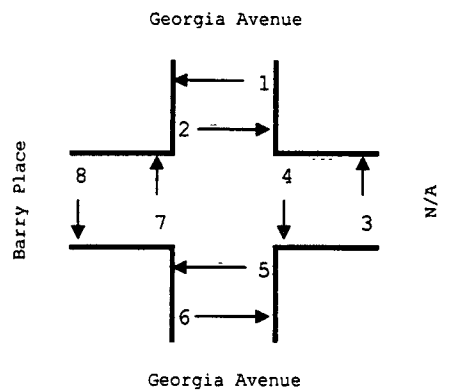
Existing Traffic Count

PROJECT		Atlantic Plumbing				DATE		11/2/2005		SOUTHBOUND ROAD				Georgia Avenue							
W & A JOB NO.		2799				DAY		Wednesday		NORTHBOUND ROAD				Georgia Avenue							
INTERSECTION		Georgia Avenue and Barry Place				WEATHER		Clear		WESTBOUND ROAD				N/A							
LOCATION		Washington DC				COUNTED BY		Roy		EASTBOUND ROAD				Barry Place							
						INPUTED BY		CFP													
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound Georgia Avenue				Westbound N/A				Northbound Georgia Avenue				Eastbound Barry Place							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	6	96	0	102	0	0	0	0	0	62	2	64	5	0	2	7	166	7	173		6:00-6:15
6:15-6:30	3	134	0	137	0	0	0	0	0	59	8	67	5	0	6	11	204	11	215		6:15-6:30
6:30-6:45	5	165	0	170	0	0	0	0	0	88	3	91	7	0	3	10	261	10	271		6:30-6:45
6:45-7:00	9	149	0	158	0	0	0	0	0	94	9	103	9	0	4	13	261	13	274		6:45-7:00
7:00-7:15	13	200	0	213	0	0	0	0	0	107	10	117	10	0	4	14	330	14	344		7:00-7:15
7:15-7:30	20	211	0	231	0	0	0	0	0	99	15	114	6	0	11	17	345	17	362		7:15-7:30
7:30-7:45	16	228	0	244	0	0	0	0	0	113	18	131	7	0	15	22	375	22	397		7:30-7:45
7:45-8:00	40	282	0	322	0	0	0	0	0	120	16	136	17	0	19	36	458	36	494		7:45-8:00
8:00-8:15	27	213	0	240	0	0	0	0	0	104	26	130	23	0	24	47	370	47	417		8:00-8:15
8:15-8:30	34	242	0	276	0	0	0	0	0	127	22	149	24	0	22	46	425	46	471		8:15-8:30
8:30-8:45	30	286	0	316	0	0	0	0	0	127	24	151	24	0	22	46	467	46	513		8:30-8:45
8:45-9:00	21	287	0	308	0	0	0	0	0	123	17	140	17	0	19	36	448	36	484		8:45-9:00
3 Hour Totals	224	2,493	0	2,717	0	0	0	0	0	1,223	170	1,393	154	0	151	305	4,110	305	4,415		
1 Hour Totals																					
6:00-7:00	23	544	0	567	0	0	0	0	0	303	22	325	26	0	15	41	892	41	933	0.85	6:00-7:00
6:15-7:15	30	648	0	678	0	0	0	0	0	348	30	378	31	0	17	48	1,056	48	1,104	0.80	6:15-7:15
6:30-7:30	47	725	0	772	0	0	0	0	0	388	37	425	32	0	22	54	1,197	54	1,251	0.86	6:30-7:30
6:45-7:45	58	788	0	846	0	0	0	0	0	413	52	465	32	0	34	66	1,311	66	1,377	0.87	6:45-7:45
7:00-8:00	89	921	0	1,010	0	0	0	0	0	439	59	498	40	0	49	89	1,508	89	1,597	0.81	7:00-8:00
7:15-8:15	103	934	0	1,037	0	0	0	0	0	436	75	511	53	0	69	122	1,548	122	1,670	0.85	7:15-8:15
7:30-8:30	117	965	0	1,082	0	0	0	0	0	464	82	546	71	0	80	151	1,628	151	1,779	0.90	7:30-8:30
7:45-8:45	131	1,023	0	1,154	0	0	0	0	0	478	88	566	88	0	87	175	1,720	175	1,895	0.92	7:45-8:45
8:00-9:00	112	1,028	0	1,140	0	0	0	0	0	481	89	570	88	0	87	175	1,710	175	1,885	0.92	8:00-9:00
AM Peak 7:45-8:45	131	1,023	0	1,154	0	0	0	0	0	478	88	566	88	0	87	175	1,720	175	1,895	0.92	AM Peak 7:45-8:45
PM																					
4:00-4:15	23	150	0	173	0	0	0	0	0	178	12	190	17	0	42	59	363	59	422		4:00-4:15
4:15-4:30	12	162	0	174	0	0	0	0	0	130	15	145	25	0	33	58	319	58	377		4:15-4:30
4:30-4:45	16	124	0	140	0	0	0	0	0	196	15	211	20	0	35	55	351	55	406		4:30-4:45
4:45-5:00	16	162	0	178	0	0	0	0	0	178	12	190	21	0	38	59	368	59	427		4:45-5:00
5:00-5:15	22	180	0	202	0	0	0	0	0	171	13	184	27	0	41	68	386	68	454		5:00-5:15
5:15-5:30	19	150	0	169	0	0	0	0	0	208	16	224	22	0	43	65	393	65	458		5:15-5:30
5:30-5:45	13	171	0	184	0	0	0	0	0	185	13	198	19	0	32	51	382	51	433		5:30-5:45
5:45-6:00	13	165	0	178	0	0	0	0	0	177	19	196	27	0	37	64	374	64	438		5:45-6:00
6:00-6:15	11	172	0	183	0	0	0	0	0	165	17	182	18	0	22	40	365	40	405		6:00-6:15
6:15-6:30	12	133	0	145	0	0	0	0	0	150	19	169	16	0	49	65	314	65	379		6:15-6:30
6:30-6:45	19	145	0	164	0	0	0	0	0	170	17	187	30	0	29	59	351	59	410		6:30-6:45
6:45-7:00	24	148	0	172	0	0	0	0	0	126	18	144	17	0	20	37	316	37	353		6:45-7:00
3 Hour Totals	200	1,862	0	2,062	0	0	0	0	0	2,034	186	2,220	259	0	421	680	4,282	680	4,962		
1 Hour Totals																					
4:00-5:00	67	598	0	665	0	0	0	0	0	682	54	736	83	0	148	231	1,401	231	1,632	0.96	4:00-5:00
4:15-5:15	66	628	0	694	0	0	0	0	0	675	55	730	93	0	147	240	1,424	240	1,664	0.92	4:15-5:15
4:30-5:30	73	616	0	689	0	0	0	0	0	753	56	809	90	0	157	247	1,498	247	1,745	0.95	4:30-5:30
4:45-5:45	70	663	0	733	0	0	0	0	0	742	54	796	89	0	154	243	1,529	243	1,772	0.97	4:45-5:45
5:00-6:00	67	666	0	733	0	0	0	0	0	741	61	802	95	0	153	248	1,535	248	1,783	0.97	5:00-6:00
5:15-6:15	56	658	0	714	0	0	0	0	0	735	65	800	86	0	134	220	1,514	220	1,734	0.95	5:15-6:15
5:30-6:30	49	641	0	690	0	0	0	0	0	677	68	745	80	0	140	220	1,435	220	1,655	0.94	5:30-6:30
5:45-6:45	55	615	0	670	0	0	0	0	0	662	72	734	91	0	137	228	1,404	228	1,632	0.93	5:45-6:45
6:00-7:00	66	598	0	664	0	0	0	0	0	611	71	682	81	0	120	201	1,346	201	1,547	0.94	6:00-7:00
PM Peak 5:00-6:00	67	666	0	733	0	0	0	0	0	741	61	802	95	0	153	248	1,535	248	1,783	0.97	PM Peak 5:00-6:00

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey

Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Georgia Avenue and Barry Pls
Weather: Clear
Date: 11/2/2005
Surveyor: Milton
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	2	1	6	2	1	2	1	1
6:15-6:30	3	1	5	4	3	3	2	0
6:30-6:45	4	3	6	5	1	4	0	1
6:45-7:00	3	2	7	7	3	5	2	3
7:00-7:15	9	2	2	0	3	4	3	2
7:15-7:30	2	3	1	7	5	5	4	3
7:30-7:45	10	5	10	3	7	11	5	3
7:45-8:00	11	9	41	9	9	1	40	4
8:00-8:15	12	12	43	15	8	48	31	2
8:15-8:30	8	8	31	10	6	34	15	1
8:30-8:45	9	13	25	3	11	18	10	2
8:45-9:00	8	5	28	9	10	38	12	4
PM								
4:00-4:15	14	15	35	91	71	14	8	19
4:15-4:30	11	10	26	49	45	24	5	20
4:30-4:45	28	8	55	70	71	21	3	28
4:45-5:00	12	5	36	57	54	28	4	32
5:00-5:15	20	8	42	62	60	20	5	30
5:15-5:30	15	10	25	49	44	19	6	18
5:30-5:45	20	8	28	36	25	15	3	15
5:45-6:00	10	6	20	41	37	22	2	12
6:00-6:15	8	10	27	39	51	28	1	5
6:15-6:30	10	7	25	31	40	23	2	8
6:30-6:45	5	7	23	40	28	20	0	5
6:45-7:00	13	6	28	23	22	40	1	10

Wells & Associates, LLC

McLean, Virginia

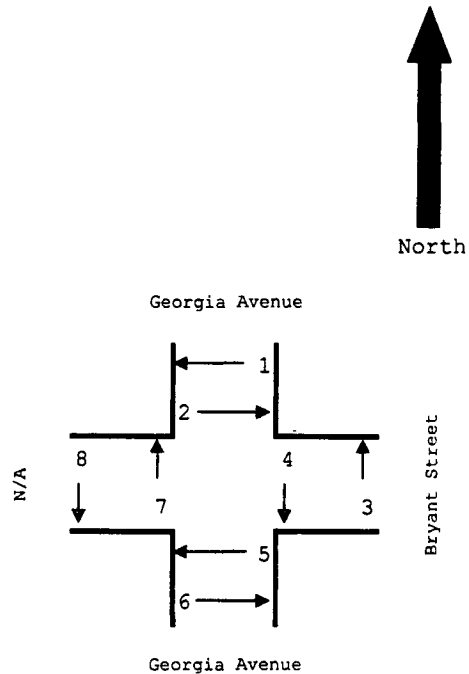
Existing Traffic Count

PROJECT: Atlantic Plumbing		DATE: 11/2/2005		SOUTHBOUND ROAD		Georgia Avenue															
W & A JOB NO.: 2799		DAY: Wednesday		NORTHBOUND ROAD		Georgia Avenue															
INTERSECTION: Georgia Avenue and Bryant Street		WEATHER: Clear		WESTBOUND ROAD		Bryant Street															
LOCATION: Washington, DC		COUNTED BY: Roy		EASTBOUND ROAD:		Parking Lot															
		INPUTED BY: CFP																			
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound Georgia Avenue				Westbound Bryant Street				Northbound Georgia Avenue				Eastbound Parking Lot							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	85	12	97	0	0	0	0	2	52	0	54	0	0	0	0	151	0	151	6:00-6:15	
6:15-6:30	0	148	7	155	0	0	0	0	5	67	0	72	0	0	0	0	227	0	227	6:15-6:30	
6:30-6:45	0	151	25	176	0	0	0	0	12	89	0	101	0	0	0	0	277	0	277	6:30-6:45	
6:45-7:00	0	176	21	197	0	0	0	0	15	106	0	121	0	0	0	0	318	0	318	6:45-7:00	
7:00-7:15	0	162	19	181	0	0	0	0	10	114	0	124	0	0	0	0	305	0	305	7:00-7:15	
7:15-7:30	0	240	30	270	0	0	0	0	17	111	0	128	0	0	0	0	398	0	398	7:15-7:30	
7:30-7:45	0	215	31	246	0	0	0	0	5	132	0	137	0	0	0	0	383	0	383	7:30-7:45	
7:45-8:00	0	286	56	342	0	0	0	0	28	146	0	174	0	0	0	0	516	0	516	7:45-8:00	
8:00-8:15	0	283	98	381	0	0	0	0	21	139	0	160	0	0	0	0	541	0	541	8:00-8:15	
8:15-8:30	0	271	80	351	0	0	0	0	21	151	0	172	0	0	0	0	523	0	523	8:15-8:30	
8:30-8:45	0	261	50	311	0	0	0	0	18	160	0	178	0	0	0	0	489	0	489	8:30-8:45	
8:45-9:00	0	342	56	398	0	0	0	0	14	155	0	169	0	0	0	0	567	0	567	8:45-9:00	
3 Hour Totals		0	2,620	485	3,105	0	0	0	0	168	1,422	0	1,590	0	0	0	4,695	0	4,695		
1 Hour Totals																					
6:00-7:00	0	560	65	625	0	0	0	0	34	314	0	348	0	0	0	0	973	0	973	0.76 6:00-7:00	
6:15-7:15	0	637	72	709	0	0	0	0	42	376	0	418	0	0	0	0	1,127	0	1,127	0.89 6:15-7:15	
6:30-7:30	0	729	95	824	0	0	0	0	54	420	0	474	0	0	0	0	1,298	0	1,298	0.82 6:30-7:30	
6:45-7:45	0	793	101	894	0	0	0	0	47	463	0	510	0	0	0	0	1,404	0	1,404	0.88 6:45-7:45	
7:00-8:00	0	903	136	1,039	0	0	0	0	60	503	0	563	0	0	0	0	1,602	0	1,602	0.78 7:00-8:00	
7:15-8:15	0	1,024	215	1,239	0	0	0	0	71	528	0	599	0	0	0	0	1,838	0	1,838	0.85 7:15-8:15	
7:30-8:30	0	1,055	265	1,320	0	0	0	0	75	568	0	643	0	0	0	0	1,963	0	1,963	0.91 7:30-8:30	
7:45-8:45	0	1,101	284	1,385	0	0	0	0	88	596	0	684	0	0	0	0	2,069	0	2,069	0.96 7:45-8:45	
8:00-9:00	0	1,157	284	1,441	0	0	0	0	74	605	0	679	0	0	0	0	2,120	0	2,120	0.93 8:00-9:00	
AM Peak 8:00-9:00		0	1,157	284	1,441	0	0	0	0	74	605	0	679	0	0	0	2,120	0	2,120	0.93 AM Peak 8:00-9:00	
PM																					
4:00-4:15	50	114	53	217	0	0	0	0	18	176	0	194	0	0	0	0	411	0	411	4:00-4:15	
4:15-4:30	28	123	30	181	0	0	0	0	11	145	0	156	0	0	0	0	337	0	337	4:15-4:30	
4:30-4:45	0	159	65	224	0	0	0	0	17	221	0	238	0	0	0	0	462	0	462	4:30-4:45	
4:45-5:00	47	202	43	292	0	0	0	0	19	184	0	203	0	0	0	0	495	0	495	4:45-5:00	
5:00-5:15	44	211	66	321	0	0	0	0	27	201	0	228	0	0	0	0	549	0	549	5:00-5:15	
5:15-5:30	3	220	98	321	0	0	0	0	25	235	0	260	0	0	0	0	581	0	581	5:15-5:30	
5:30-5:45	0	231	68	299	0	0	0	0	25	199	0	224	0	0	0	0	523	0	523	5:30-5:45	
5:45-6:00	4	203	108	315	0	0	0	0	22	200	0	222	0	0	0	0	537	0	537	5:45-6:00	
6:00-6:15	31	221	108	360	0	0	0	0	30	210	0	240	0	0	0	0	600	0	600	6:00-6:15	
6:15-6:30	0	212	86	298	0	0	0	0	14	173	0	187	0	0	0	0	485	0	485	6:15-6:30	
6:30-6:45	0	223	130	353	0	0	0	0	18	218	0	236	0	0	0	0	589	0	589	6:30-6:45	
6:45-7:00	12	175	82	269	0	0	0	0	14	203	0	217	0	0	0	0	486	0	486	6:45-7:00	
3 Hour Totals		219	2,294	937	3,450	0	0	0	0	240	2,365	0	2,605	0	0	0	6,055	0	6,055		
1 Hour Totals																					
4:00-5:00	125	598	191	914	0	0	0	0	65	726	0	791	0	0	0	0	1,705	0	1,705	0.86 4:00-5:00	
4:15-5:15	119	695	204	1,018	0	0	0	0	74	751	0	825	0	0	0	0	1,843	0	1,843	0.84 4:15-5:15	
4:30-5:30	94	792	272	1,158	0	0	0	0	88	841	0	929	0	0	0	0	2,087	0	2,087	0.90 4:30-5:30	
4:45-5:45	94	864	275	1,233	0	0	0	0	96	819	0	915	0	0	0	0	2,148	0	2,148	0.92 4:45-5:45	
5:00-6:00	51	865	340	1,256	0	0	0	0	99	835	0	934	0	0	0	0	2,190	0	2,190	0.94 5:00-6:00	
5:15-6:15	38	875	382	1,295	0	0	0	0	102	844	0	946	0	0	0	0	2,241	0	2,241	0.93 5:15-6:15	
5:30-6:30	35	867	370	1,272	0	0	0	0	91	782	0	873	0	0	0	0	2,145	0	2,145	0.89 5:30-6:30	
5:45-6:45	35	859	432	1,326	0	0	0	0	84	801	0	885	0	0	0	0	2,211	0	2,211	0.92 5:45-6:45	
6:00-7:00	43	831	408	1,280	0	0	0	0	76	804	0	880	0	0	0	0	2,160	0	2,160	0.90 6:00-7:00	
PM Peak 5:15-6:15		38	875	382	1,295	0	0	0	0	102	844	0	946	0	0	0	2,241	0	2,241	0.93 PM Peak 5:15-6:15	

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey

Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Georgia Avenue and Bryant St
Weather: Clear
Date: 11/2/2005
Surveyor:
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1	0	0	0	0	0	0	0
6:15-6:30	0	0	0	2	0	0	2	0
6:30-6:45	0	1	2	0	2	1	0	0
6:45-7:00	0	0	1	1	2	2	0	0
7:00-7:15	0	0	1	3	0	2	1	4
7:15-7:30	0	2	0	1	0	2	1	0
7:30-7:45	1	0	5	2	3	4	0	3
7:45-8:00	0	0	3	2	2	6	0	6
8:00-8:15	0	0	3	4	2	6	1	3
8:15-8:30	0	0	3	8	4	4	4	5
8:30-8:45	1	1	3	4	0	3	0	0
8:45-9:00	0	2	0	6	0	6	3	0
PM								
4:00-4:15	0	0	3	3	0	5	6	0
4:15-4:30	0	0	3	3	3	6	0	7
4:30-4:45	0	0	4	0	3	0	4	8
4:45-5:00	1	0	0	8	0	7	6	9
5:00-5:15	0	0	2	7	2	7	8	5
5:15-5:30	0	0	4	4	5	2	0	3
5:30-5:45	0	0	3	2	2	4	1	3
5:45-6:00	0	0	3	5	5	5	1	7
6:00-6:15	0	0	2	0	2	3	1	2
6:15-6:30	0	0	8	7	5	2	2	5
6:30-6:45	0	0	0	4	5	5	5	3
6:45-7:00	0	0	1	4	0	5	2	3

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

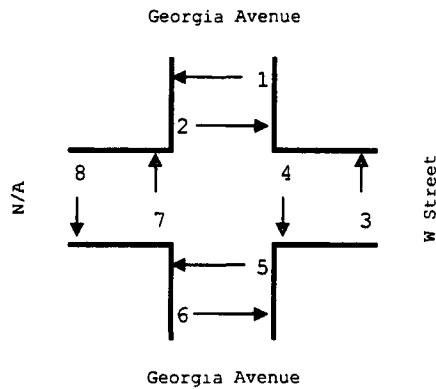
PROJECT		Atlantic Plumbing		DATE		11/2/2005		SOUTHBOUND ROAD		Georgia Avenue											
W & A JOB NO.:		2799		DAY		Wednesday		NORTHBOUND ROAD		Georgia Avenue											
INTERSECTION:		Georgia Avenue and W Street		WEATHER:		Clear		WESTBOUND ROAD		W Street											
LOCATION		Washington DC		COUNTED BY		Roy		EASTBOUND ROAD		N/A											
				INPUTED BY:		CFP															
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound Georgia Avenue				Westbound W Street				Northbound Georgia Avenue				Eastbound N/A							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	83	0	83	14	0	3	17	0	61	0	61	0	0	0	0	144	17	161	6:00-6:15	
6:15-6:30	0	127	0	127	15	0	6	21	0	57	0	57	0	0	0	0	184	21	205	6:15-6:30	
6:30-6:45	0	135	0	135	19	0	2	21	0	52	0	52	0	0	0	0	187	21	208	6:30-6:45	
6:45-7:00	0	149	0	149	11	0	7	18	0	79	0	79	0	0	0	0	228	18	246	6:45-7:00	
7:00-7:15	0	102	0	102	24	0	4	28	0	53	0	53	0	0	0	0	155	28	183	7:00-7:15	
7:15-7:30	0	169	0	169	23	0	19	42	0	82	0	82	0	0	0	0	251	42	293	7:15-7:30	
7:30-7:45	0	137	0	137	29	0	23	52	0	77	0	77	0	0	0	0	214	52	266	7:30-7:45	
7:45-8:00	0	162	0	162	29	0	32	61	0	96	0	96	0	0	0	0	258	61	319	7:45-8:00	
8:00-8:15	0	242	0	242	42	0	48	90	0	88	0	88	0	0	0	0	330	90	420	8:00-8:15	
8:15-8:30	0	244	0	244	63	0	47	110	0	124	0	124	0	0	0	0	368	110	478	8:15-8:30	
8:30-8:45	0	239	0	239	54	0	28	82	0	124	0	124	0	0	0	0	363	82	445	8:30-8:45	
8:45-9:00	0	241	0	241	52	0	31	83	0	105	0	105	0	0	0	0	346	83	429	8:45-9:00	
3 Hour Totals	0	2,030	0	2,030	375	0	250	625	0	998	0	998	0	0	0	0	3,028	625	3,653		
1 Hour Totals																					
6:00-7:00	0	494	0	494	59	0	18	77	0	249	0	249	0	0	0	0	743	77	820	0.83 6:00-7:00	
6:15-7:15	0	513	0	513	69	0	19	88	0	241	0	241	0	0	0	0	754	88	842	0.86 6:15-7:15	
6:30-7:30	0	555	0	555	77	0	32	109	0	266	0	266	0	0	0	0	821	109	930	0.79 6:30-7:30	
6:45-7:45	0	557	0	557	87	0	53	140	0	291	0	291	0	0	0	0	848	140	988	0.84 6:45-7:45	
7:00-8:00	0	570	0	570	105	0	78	183	0	308	0	308	0	0	0	0	878	183	1,061	0.83 7:00-8:00	
7:15-8:15	0	710	0	710	123	0	122	245	0	343	0	343	0	0	0	0	1,053	245	1,298	0.77 7:15-8:15	
7:30-8:30	0	785	0	785	163	0	150	313	0	385	0	385	0	0	0	0	1,170	313	1,483	0.78 7:30-8:30	
7:45-8:45	0	887	0	887	188	0	155	343	0	432	0	432	0	0	0	0	1,319	343	1,662	0.87 7:45-8:45	
8:00-9:00	0	966	0	966	211	0	154	365	0	441	0	441	0	0	0	0	1,407	365	1,772	0.93 8:00-9:00	
AM Peak 8:00-9:00																					
0	966	0	966	211	0	154	365	0	441	0	441	0	0	0	0	0	1,407	365	1,772	0.93 AM Peak 8:00-9:00	
PM																					
4:00-4:15	0	138	0	138	47	0	38	85	0	204	0	204	0	0	0	0	342	85	427	4:00-4:15	
4:15-4:30	0	125	0	125	43	0	28	71	0	151	0	151	0	0	0	0	276	71	347	4:15-4:30	
4:30-4:45	0	135	0	135	50	0	39	89	0	180	0	180	0	0	0	0	315	89	404	4:30-4:45	
4:45-5:00	0	151	0	151	35	0	31	66	0	172	0	172	0	0	0	0	323	66	389	4:45-5:00	
5:00-5:15	0	147	0	147	56	0	31	87	0	175	0	175	0	0	0	0	322	87	409	5:00-5:15	
5:15-5:30	0	138	0	138	51	0	40	91	0	190	0	190	0	0	0	0	328	91	419	5:15-5:30	
5:30-5:45	0	140	0	140	47	0	36	83	0	172	0	172	0	0	0	0	312	83	395	5:30-5:45	
5:45-6:00	0	149	0	149	44	0	18	62	0	172	0	172	0	0	0	0	321	62	383	5:45-6:00	
6:00-6:15	0	147	0	147	57	0	34	91	0	177	0	177	0	0	0	0	324	91	415	6:00-6:15	
6:15-6:30	0	113	0	113	39	0	35	74	0	159	0	159	0	0	0	0	272	74	346	6:15-6:30	
6:30-6:45	0	139	0	139	47	0	30	77	0	177	0	177	0	0	0	0	316	77	393	6:30-6:45	
6:45-7:00	0	154	0	154	40	0	42	82	0	132	0	132	0	0	0	0	286	82	368	6:45-7:00	
3 Hour Totals	0	1,676	0	1,676	556	0	402	958	0	2,061	0	2,061	0	0	0	0	3,737	958	4,695		
1 Hour Totals																					
4:00-5:00	0	549	0	549	175	0	136	311	0	707	0	707	0	0	0	0	1,256	311	1,567	0.92 4:00-5:00	
4:15-5:15	0	558	0	558	184	0	129	313	0	678	0	678	0	0	0	0	1,236	313	1,549	0.95 4:15-5:15	
4:30-5:30	0	571	0	571	192	0	141	333	0	717	0	717	0	0	0	0	1,288	333	1,621	0.97 4:30-5:30	
4:45-5:45	0	576	0	576	189	0	138	327	0	709	0	709	0	0	0	0	1,285	327	1,612	0.96 4:45-5:45	
5:00-6:00	0	574	0	574	198	0	125	323	0	709	0	709	0	0	0	0	1,283	323	1,606	0.96 5:00-6:00	
5:15-6:15	0	574	0	574	199	0	128	327	0	711	0	711	0	0	0	0	1,285	327	1,612	0.96 5:15-6:15	
5:30-6:30	0	549	0	549	187	0	123	310	0	680	0	680	0	0	0	0	1,229	310	1,539	0.93 5:30-6:30	
5:45-6:45	0	548	0	548	187	0	117	304	0	685	0	685	0	0	0	0	1,234	304	1,537	0.93 5:45-6:45	
6:00-7:00	0	553	0	553	183	0	141	324	0	645	0	645	0	0	0	0	1,198	324	1,522	0.92 6:00-7:00	
PM Peak 4:30-5:30																					
0	571	0	571	192	0	141	333	0	717	0	717	0	0	0	0	0	1,288	333	1,621	0.97 PM Peak 4:30-5:30	

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Pedestrian Volume Survey



Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Georgia Avenue and W Street
Weather: Clear
Date: 11/2/2005
Surveyor: Matt and Zack
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	0	0	1	0	0	0	0	0
6:15-6:30	0	0	3	0	0	0	0	0
6:30-6:45	0	3	3	0	0	0	0	0
6:45-7:00	0	0	3	4	2	0	0	0
7:00-7:15	1	0	1	1	2	0	0	0
7:15-7:30	1	6	16	6	3	2	0	0
7:30-7:45	0	2	12	5	17	0	0	0
7:45-8:00	0	6	17	7	18	0	0	0
8:00-8:15	1	14	22	6	71	1	0	0
8:15-8:30	1	16	37	7	26	1	0	0
8:30-8:45	3	9	33	8	13	1	0	0
8:45-9:00	2	8	30	7	16	1	0	0
PM								
4:00-4:15	10	3	26	15	2	8	0	0
4:15-4:30	9	1	24	17	2	7	0	0
4:30-4:45	11	5	29	20	1	7	0	0
4:45-5:00	16	5	33	30	3	12	0	0
5:00-5:15	16	5	36	35	3	26	0	0
5:15-5:30	11	2	33	29	4	13	0	0
5:30-5:45	2	2	24	18	0	7	0	0
5:45-6:00	8	2	17	15	0	1	0	0
6:00-6:15	4	0	22	19	3	7	0	0
6:15-6:30	3	1	11	15	0	3	0	0
6:30-6:45	5	0	25	22	1	2	0	0
6:45-7:00	5	0	9	22	0	1	0	0

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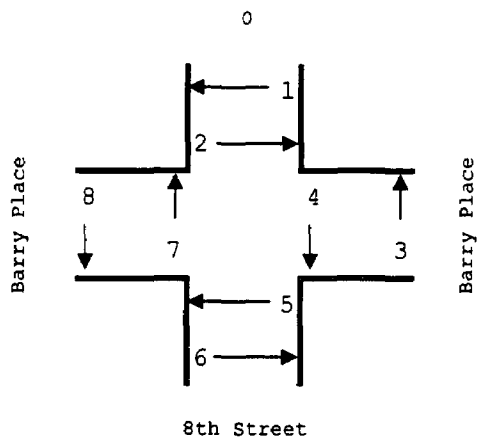
Existing Traffic Count

PROJECT: Atlantic Plumbing Site		DATE 4/12/2005		SOUTHBOUND ROAD. 0																		
W & A JOB NO. 2799		DAY Tuesday		NORTHBOUND ROAD. 8th Street																		
INTERSECTION: 8th Street & Barry Place		WEATHER Clear		WESTBOUND ROAD Barry Place																		
LOCATION: Washington, DC		COUNTED BY Roy		EASTBOUND ROAD. Barry Place																		
		INPUTED BY: agan																				
Time Period	Turning Movements																		Total	PHF	Time Period	
	Southbound 0				Westbound Barry Place				Northbound 8th Street				Eastbound Barry Place				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	8	2	10	1	0	1	2	5	10	0	15	2	25	27			6:00-6:15
6:15-6:30	0	0	0	0	0	8	3	11	1	0	2	3	9	5	0	14	3	25	28			6:15-6:30
6:30-6:45	0	0	0	0	0	15	3	18	0	0	2	2	4	11	0	15	2	33	35			6:30-6:45
6:45-7:00	0	0	0	0	0	14	3	17	2	0	6	8	9	13	0	22	8	39	47			6:45-7:00
7:00-7:15	0	0	0	0	0	18	4	22	0	0	5	5	13	11	0	24	5	46	51			7:00-7:15
7:15-7:30	0	0	0	0	0	22	3	25	0	0	5	5	17	15	0	32	5	57	62			7:15-7:30
7:30-7:45	0	0	0	0	0	16	6	22	7	0	12	19	7	17	0	24	19	46	65			7:30-7:45
7:45-8:00	0	0	0	0	0	26	8	34	9	0	11	20	18	23	0	41	20	75	95			7:45-8:00
8:00-8:15	0	0	0	0	0	32	12	44	8	0	14	22	22	25	0	47	22	91	113			8:00-8:15
8:15-8:30	0	0	0	0	0	38	17	55	11	0	10	21	14	39	0	53	21	108	129			8:15-8:30
8:30-8:45	0	0	0	0	0	39	10	49	9	0	12	21	24	45	0	69	21	118	139			8:30-8:45
8:45-9:00	0	0	0	0	0	33	14	47	6	0	5	11	23	41	0	64	11	111	122			8:45-9:00
3 Hour Totals	0	0	0	0	0	268	85	354	54	0	85	139	165	255	0	420	139	774	913			
1 Hour Totals																						
6:00-7:00	0	0	0	0	0	45	11	56	4	0	11	15	27	39	0	66	15	122	137	0.73		6:00-7:00
6:15-7:15	0	0	0	0	0	55	13	68	3	0	15	18	35	40	0	75	18	143	161	0.79		6:15-7:15
6:30-7:30	0	0	0	0	0	69	13	82	2	0	18	20	43	50	0	93	20	175	195	0.79		6:30-7:30
6:45-7:45	0	0	0	0	0	70	16	86	9	0	28	37	46	56	0	102	37	188	225	0.87		6:45-7:45
7:00-8:00	0	0	0	0	0	82	21	103	16	0	33	49	55	66	0	121	49	224	273	0.72		7:00-8:00
7:15-8:15	0	0	0	0	0	96	29	125	24	0	42	66	64	80	0	144	66	269	335	0.74		7:15-8:15
7:30-8:30	0	0	0	0	0	112	43	155	35	0	47	82	61	104	0	165	82	320	402	0.78		7:30-8:30
7:45-8:45	0	0	0	0	0	135	47	182	37	0	47	84	78	132	0	210	84	392	476	0.86		7:45-8:45
8:00-9:00	0	0	0	0	0	142	53	195	34	0	41	75	83	150	0	233	75	428	503	0.90		8:00-9:00
AM Peak 8:00-9:00	0	0	0	0	0	142	53	195	34	0	41	75	83	150	0	233	75	428	503	0.90		AM Peak 8:00-9:00
PM																						
4:00-4:15	0	0	0	0	0	11	7	18	12	0	13	25	16	39	0	55	25	73	98			4:00-4:15
4:15-4:30	0	0	0	0	0	13	8	21	17	0	5	22	20	42	0	62	22	83	105			4:15-4:30
4:30-4:45	0	0	0	0	0	29	9	38	9	0	16	25	19	43	0	62	25	100	125			4:30-4:45
4:45-5:00	0	0	0	0	0	30	6	36	14	0	15	29	28	41	0	69	29	105	134			4:45-5:00
5:00-5:15	0	0	0	0	0	29	11	40	27	0	17	44	23	54	0	77	44	117	161			5:00-5:15
5:15-5:30	0	0	0	0	0	32	6	38	20	0	19	39	14	45	0	59	39	97	136			5:15-5:30
5:30-5:45	0	0	0	0	0	21	6	27	23	0	19	42	22	51	0	73	42	100	142			5:30-5:45
5:45-6:00	0	0	0	0	0	30	7	37	21	0	11	32	19	45	0	64	32	101	133			5:45-6:00
6:00-6:15	0	0	0	0	0	24	10	34	13	0	17	30	20	54	0	74	30	108	138			6:00-6:15
6:15-6:30	0	0	0	0	0	36	7	43	21	0	13	34	13	46	0	59	34	102	136			6:15-6:30
6:30-6:45	0	0	0	0	0	24	7	31	22	0	7	29	14	49	0	63	29	94	123			6:30-6:45
6:45-7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			6:45-7:00
3 Hour Totals	0	0	0	0	0	279	84	363	199	0	162	351	208	509	0	717	351	1,080	1,431			
1 Hour Totals																						
4:00-5:00	0	0	0	0	0	83	30	113	52	0	49	101	83	165	0	248	101	361	462	0.86		4:00-5:00
4:15-5:15	0	0	0	0	0	101	34	135	67	0	53	120	90	180	0	270	120	405	525	0.82		4:15-5:15
4:30-5:30	0	0	0	0	0	120	32	152	70	0	67	137	84	183	0	267	137	419	556	0.86		4:30-5:30
4:45-5:45	0	0	0	0	0	112	29	141	84	0	70	154	87	191	0	278	154	419	573	0.89		4:45-5:45
5:00-6:00	0	0	0	0	0	112	30	142	91	0	66	157	78	195	0	273	157	415	572	0.89		5:00-6:00
5:15-6:15	0	0	0	0	0	107	29	136	77	0	66	143	75	195	0	270	143	406	549	0.97		5:15-6:15
5:30-6:30	0	0	0	0	0	111	30	141	78	0	60	138	74	196	0	270	138	411	549	0.97		5:30-6:30
5:45-6:45	0	0	0	0	0	114	31	145	77	0	48	125	66	194	0	260	125	405	530	0.96		5:45-6:45
6:00-7:00	0	0	0	0	0	84	24	108	56	0	37	93	47	149	0	196	93	304	397	0.72		6:00-7:00
PM Peak 4:45-5:45	0	0	0	0	0	112	29	141	84	0	70	154	87	191	0	278	154	419	573	0.89		PM Peak 4:45-5:45

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 5th Street & Barry Place
Weather: Clear
Date: 4/12/2005
Surveyor: Roy



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	4	2		1	1			
6:15-6:30				1			4	1
6:30-6:45							8	2
6:45-7:00							6	3
7:00-7:15							12	2
7:15-7:30							9	3
7:30-7:45	5	8					6	1
7:45-8:00	1	21					1	1
8:00-8:15	2	32	2	5	5	17		2
8:15-8:30	14	21		6	6	13	1	
8:30-8:45	4	22		1	1	14	4	1
8:45-9:00	7	26	1	2	2	7		
PM								
4:00-4:15	10	7			8	5		
4:15-4:30	11	8			9	9		
4:30-4:45	10	11			19	10		
4:45-5:00	10	10			20	9		
5:00-5:15	12	13		6	11	11		
5:15-5:30	12	21		1	16	13		
5:30-5:45	10	10		4	11	12	4	
5:45-6:00	15	12	1	10	16	12	8	3
6:00-6:15	13	9			12	11		
6:15-6:30	14	11			13	9		
6:30-6:45	13	14	4		19	9		
6:45-7:00	24	13			15	10		

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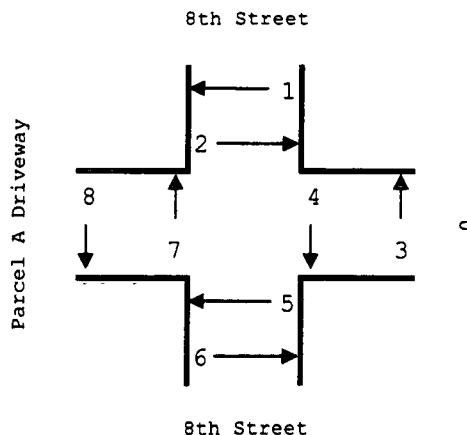
Existing Traffic Count

PROJECT: Atlantic Plumbing Site		DATE 4/12/2005		SOUTHBOUND ROAD		8th Street															
W & A JOB NO 2799		DAY Tuesday		NORTHBOUND ROAD.		8th Street															
INTERSECTION: 8th Street & Parcel A Driveway		WEATHER: Clear		WESTBOUND ROAD		0															
LOCATION: Washington, DC		COUNTED BY Jala & Jorge		EASTBOUND ROAD		Parcel A Driveway															
		INPUTED BY agan																			
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 8th Street				Westbound 0				Northbound 8th Street				Eastbound Parcel A Driveway				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	2	0	2	0	0	0	0	0	0	3	0	3	0	0	0	0	5	0	5	6:00-6:15
6:15-6:30	0	4	0	4	0	0	0	0	0	0	2	5	7	0	0	0	0	11	0	11	6:15-6:30
6:30-6:45	0	2	0	2	0	0	0	0	0	0	1	4	5	0	0	0	0	7	0	7	6:30-6:45
6:45-7:00	1	0	0	1	0	0	0	0	0	0	5	10	15	0	0	0	0	16	0	16	6:45-7:00
7:00-7:15	1	4	0	5	0	0	0	0	0	0	10	5	15	0	0	0	0	20	0	20	7:00-7:15
7:15-7:30	0	4	0	4	0	0	0	0	0	0	6	2	8	1	0	0	1	12	1	13	7:15-7:30
7:30-7:45	0	4	0	4	0	0	0	0	0	0	11	5	16	3	0	0	3	20	3	23	7:30-7:45
7:45-8:00	0	4	0	4	0	0	0	0	0	0	11	3	14	3	0	0	3	18	3	21	7:45-8:00
8:00-8:15	0	6	0	6	0	0	0	0	0	0	22	2	24	2	0	0	2	30	2	32	8:00-8:15
8:15-8:30	0	11	0	11	0	0	0	0	0	0	10	7	17	0	0	0	0	28	0	28	8:15-8:30
8:30-8:45	0	15	0	15	0	0	0	0	0	0	30	1	31	2	0	0	2	46	2	48	8:30-8:45
8:45-9:00	0	11	0	11	0	0	0	0	0	0	12	3	15	1	0	0	1	26	1	27	8:45-9:00
3 Hour Totals		2	67	0	69	0	0	0	0	0	123	47	170	12	0	0	12	239	12	251	
1 Hour Totals																					
6:00-7:00	1	8	0	9	0	0	0	0	0	0	11	19	30	0	0	0	0	39	0	39	0.61 6:00-7:00
6:15-7:15	2	10	0	12	0	0	0	0	0	0	18	24	42	0	0	0	0	54	0	54	0.68 6:15-7:15
6:30-7:30	2	10	0	12	0	0	0	0	0	0	22	21	43	1	0	0	1	55	1	56	0.70 6:30-7:30
6:45-7:45	2	12	0	14	0	0	0	0	0	0	32	22	54	4	0	0	4	68	4	72	0.78 6:45-7:45
7:00-8:00	1	16	0	17	0	0	0	0	0	0	38	15	53	7	0	0	7	70	7	77	0.84 7:00-8:00
7:15-8:15	0	18	0	18	0	0	0	0	0	0	50	12	62	9	0	0	9	80	9	89	0.70 7:15-8:15
7:30-8:30	0	25	0	25	0	0	0	0	0	0	54	17	71	8	0	0	8	96	8	104	0.81 7:30-8:30
7:45-8:45	0	36	0	36	0	0	0	0	0	0	73	13	86	7	0	0	7	122	7	129	0.67 7:45-8:45
8:00-9:00	0	43	0	43	0	0	0	0	0	0	74	13	87	5	0	0	5	130	5	135	0.70 8:00-9:00
AM Peak 8:00-9:00																					
0	43	0	43	0	0	0	0	0	0	0	74	13	87	5	0	0	5	130	5	135	0.70 AM Peak 8:00-9:00
PM																					
4:00-4:15	0	24	0	24	0	0	0	0	0	0	18	0	18	12	0	0	12	42	12	54	4:00-4:15
4:15-4:30	0	19	0	19	0	0	0	0	0	0	13	0	13	0	0	0	0	32	0	32	4:15-4:30
4:30-4:45	0	13	0	13	0	0	0	0	0	0	12	1	13	0	0	0	0	26	0	26	4:30-4:45
4:45-5:00	0	24	0	24	0	0	0	0	0	0	18	0	18	0	0	0	0	42	0	42	4:45-5:00
5:00-5:15	0	27	0	27	0	0	0	0	0	0	10	0	10	0	0	0	0	37	0	37	5:00-5:15
5:15-5:30	0	21	0	21	0	0	0	0	0	0	8	0	8	0	0	0	0	29	0	29	5:15-5:30
5:30-5:45	0	13	0	13	0	0	0	0	0	0	11	0	11	0	0	0	0	24	0	24	5:30-5:45
5:45-6:00	0	16	0	16	0	0	0	0	0	0	15	0	15	0	0	0	0	31	0	31	5:45-6:00
6:00-6:15	0	20	0	20	0	0	0	0	0	0	7	0	7	0	0	0	0	27	0	27	6:00-6:15
6:15-6:30	0	15	0	15	0	0	0	0	0	0	11	1	12	0	0	0	0	27	0	27	6:15-6:30
6:30-6:45	0	6	0	6	0	0	0	0	0	0	7	0	7	0	0	0	0	13	0	13	6:30-6:45
6:45-7:00	0	16	0	16	0	0	0	0	0	0	8	0	8	0	0	0	0	24	0	24	6:45-7:00
3 Hour Totals		0	214	0	214	0	0	0	0	0	138	2	140	12	0	0	12	354	12	366	
1 Hour Totals																					
4:00-5:00	0	80	0	80	0	0	0	0	0	0	61	1	62	12	0	0	12	142	12	154	0.71 4:00-5:00
4:15-5:15	0	83	0	83	0	0	0	0	0	0	53	1	54	0	0	0	0	137	0	137	0.82 4:15-5:15
4:30-5:30	0	85	0	85	0	0	0	0	0	0	48	1	49	0	0	0	0	134	0	134	0.80 4:30-5:30
4:45-5:45	0	85	0	85	0	0	0	0	0	0	47	0	47	0	0	0	0	132	0	132	0.79 4:45-5:45
5:00-6:00	0	77	0	77	0	0	0	0	0	0	44	0	44	0	0	0	0	121	0	121	0.82 5:00-6:00
5:15-6:15	0	70	0	70	0	0	0	0	0	0	41	0	41	0	0	0	0	111	0	111	0.90 5:15-6:15
5:30-6:30	0	64	0	64	0	0	0	0	0	0	44	1	45	0	0	0	0	109	0	109	0.88 5:30-6:30
5:45-6:45	0	57	0	57	0	0	0	0	0	0	40	1	41	0	0	0	0	96	0	96	0.79 5:45-6:45
6:00-7:00	0	57	0	57	0	0	0	0	0	0	33	1	34	0	0	0	0	91	0	91	0.84 6:00-7:00
PM Peak 4:00-5:00																					
0	80	0	80	0	0	0	0	0	0	0	61	1	62	12	0	0	12	142	12	154	0.71 PM Peak 4:00-5:00

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 8th Street & Parcel A Drive
Weather: Clear
Date: 4/12/2005
Surveyor: Jala & Jorge



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15								
6:15-6:30								
6:30-6:45							1	
6:45-7:00		1					1	
7:00-7:15								
7:15-7:30								
7:30-7:45		1					1	1
7:45-8:00								1
8:00-8:15							1	1
8:15-8:30								1
8:30-8:45								1
8:45-9:00								
PM								
4:00-4:15							4	
4:15-4:30	1						1	1
4:30-4:45				1			3	
4:45-5:00		1	1	1			1	
5:00-5:15		1	1				2	1
5:15-5:30			2	2			5	3
5:30-5:45			2	2				2
5:45-6:00							1	3
6:00-6:15			3				3	1
6:15-6:30							1	1
6:30-6:45			1				2	
6:45-7:00			2	2				1

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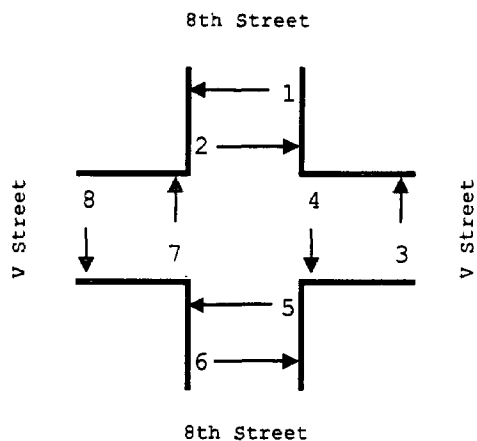
Existing Traffic Count

PROJECT.		Atlantic Plumbing Site							DATE		4/12/2005				SOUTHBOUND ROAD				8th Street		
W & A JOB NO.		2799							DAY		Tuesday				NORTHBOUND ROAD				8th Street		
INTERSECTION		8th Street & V Street:							WEATHER		Clear				WESTBOUND ROAD				V Street		
LOCATION		Washington DC							COUNTED BY		Roando				EASTBOUND ROAD				V Street		
									INPUTED BY		agan										
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 8th Street				Westbound V Street				Northbound 8th Street				Eastbound V 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	1	1	0	2	1	3	0	4	1	1	0	2	0	0	1	1	4	5	9	6:00-6:15	
6:15-6:30	3	1	2	6	2	6	0	8	2	4	2	8	1	7	1	9	14	17	31	6:15-6:30	
6:30-6:45	2	0	0	2	0	12	0	12	0	4	2	6	0	3	1	4	8	16	24	6:30-6:45	
6:45-7:00	0	0	0	0	5	8	0	13	1	8	2	11	1	10	2	13	11	26	37	6:45-7:00	
7:00-7:15	2	1	1	4	1	9	2	12	2	10	3	15	1	14	3	18	19	30	49	7:00-7:15	
7:15-7:30	2	3	0	5	1	17	2	20	2	2	2	6	1	10	4	15	11	35	46	7:15-7:30	
7:30-7:45	4	2	1	7	3	26	4	33	3	7	1	11	0	9	8	17	18	50	68	7:30-7:45	
7:45-8:00	5	0	2	7	3	28	2	33	2	7	7	16	4	10	9	23	23	56	79	7:45-8:00	
8:00-8:15	4	2	2	8	11	37	0	48	6	8	2	16	3	15	7	25	24	73	97	8:00-8:15	
8:15-8:30	7	2	3	12	5	34	1	40	5	8	4	17	1	10	6	17	29	57	86	8:15-8:30	
8:30-8:45	5	5	5	15	7	33	10	50	6	19	3	28	1	23	5	29	43	79	122	8:30-8:45	
8:45-9:00	1	9	3	13	6	41	5	52	6	9	2	17	2	26	6	34	30	86	116	8:45-9:00	
3 Hour Totals	36	26	19	81	45	254	26	325	36	87	30	153	15	137	53	205	234	530	764		
1 Hour Totals																					
6:00-7:00	6	2	2	10	8	29	0	37	4	17	6	27	2	20	5	27	37	64	101	0.68	6:00-7:00
6:15-7:15	7	2	3	12	8	35	2	45	5	26	9	40	3	34	7	44	52	89	141	0.72	6:15-7:15
6:30-7:30	6	4	1	11	7	46	4	57	5	24	9	38	3	37	10	50	49	107	156	0.80	6:30-7:30
6:45-7:45	8	6	2	16	10	60	8	78	8	27	8	43	3	43	17	63	59	141	200	0.74	6:45-7:45
7:00-8:00	13	6	4	23	8	80	10	98	9	26	13	48	6	43	24	73	71	171	242	0.77	7:00-8:00
7:15-8:15	15	7	5	27	18	108	8	134	13	24	12	49	8	44	28	80	76	214	290	0.75	7:15-8:15
7:30-8:30	20	6	8	34	22	125	7	154	16	30	14	60	8	44	30	82	94	236	330	0.85	7:30-8:30
7:45-8:45	21	9	12	42	26	132	13	171	19	42	16	77	9	58	27	94	119	265	384	0.79	7:45-8:45
8:00-9:00	17	18	13	48	29	145	16	190	23	44	11	78	7	74	24	105	126	295	421	0.86	8:00-9:00
AM Peak 8:00-9:00																					
8:00-9:00	17	18	13	48	29	145	16	190	23	44	11	78	7	74	24	105	126	295	421	0.86	AM Peak 8:00-9:00
PM																					
4:00-4:15	11	12	7	30	6	53	5	64	5	5	7	17	4	30	1	35	47	99	146		4:00-4:15
4:15-4:30	2	5	8	15	3	47	4	54	11	6	12	29	2	24	3	29	44	83	127		4:15-4:30
4:30-4:45	4	6	4	14	5	33	6	44	12	7	3	22	2	17	2	21	36	65	101		4:30-4:45
4:45-5:00	10	9	9	28	8	47	5	60	9	10	7	26	1	21	2	24	54	84	138		4:45-5:00
5:00-5:15	4	8	12	24	2	44	3	49	11	4	5	20	7	20	2	29	44	78	122		5:00-5:15
5:15-5:30	12	6	4	22	3	51	6	60	9	4	3	16	2	23	1	26	38	86	124		5:15-5:30
5:30-5:45	6	4	4	14	2	56	5	63	11	9	9	29	0	24	4	28	43	91	134		5:30-5:45
5:45-6:00	7	7	4	18	3	57	3	63	15	4	5	24	4	21	5	30	42	93	135		5:45-6:00
6:00-6:15	6	9	6	21	0	35	7	42	11	6	7	24	3	26	1	30	45	72	117		6:00-6:15
6:15-6:30	10	7	4	21	1	31	5	37	8	8	6	22	1	22	2	25	43	62	105		6:15-6:30
6:30-6:45	2	4	4	10	0	41	6	47	5	4	5	14	1	15	3	19	24	66	90		6:30-6:45
6:45-7:00	7	3	5	15	4	26	4	34	5	3	10	18	0	15	1	16	33	50	83		6:45-7:00
3 Hour Totals	81	80	71	232	37	521	59	617	112	70	79	261	27	258	27	312	493	929	1,422		
1 Hour Totals																					
4:00-5:00	27	32	28	87	22	180	20	222	37	28	29	94	9	92	8	109	181	331	512	0.88	4:00-5:00
4:15-5:15	20	28	33	81	18	171	18	207	43	27	27	97	12	82	9	103	178	310	488	0.88	4:15-5:15
4:30-5:30	30	29	29	88	18	175	20	213	41	25	18	84	12	81	7	100	172	313	485	0.88	4:30-5:30
4:45-5:45	32	27	29	88	15	198	19	232	40	27	24	91	10	88	9	107	179	339	518	0.94	4:45-5:45
5:00-6:00	29	25	24	78	10	208	17	235	46	21	22	89	13	88	12	113	167	348	515	0.95	5:00-6:00
5:15-6:15	31	26	18	75	8	199	21	228	46	23	24	93	9	94	11	114	168	342	510	0.94	5:15-6:15
5:30-6:30	29	27	18	74	6	179	20	205	45	27	27	99	8	93	12	113	173	318	491	0.91	5:30-6:30
5:45-6:45	25	27	18	70	4	164	21	189	39	22	23	84	9	84	11	104	154	293	447	0.83	5:45-6:45
6:00-7:00	25	23	19	67	5	133	22	160	29	21	28	78	5	78	7	90	145	250	395	0.84	6:00-7:00
PM Peak 4:45-5:45																					
4:45-5:45	32	27	29	88	15	198	19	232	40	27	24	91	10	88	9	107	179	339	518	0.94	PM Peak 4:45-5:45

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 5th Street & V Street
Weather: Clear
Date: 4/12/2005
Surveyor: Rolando



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1							
6:15-6:30			1		3	1	5	
6:30-6:45	2	1						
6:45-7:00	1					1		
7:00-7:15	1	1						
7:15-7:30	1		1		1	5		
7:30-7:45	2	2	1		1	1	1	
7:45-8:00	1		1		1		3	1
8:00-8:15	4	2			2	1		
8:15-8:30	2				1	1	4	1
8:30-8:45	4	2		2	1			
8:45-9:00	3	3	1			1	1	
PM								
4:00-4:15	5	1	3		3	1	3	
4:15-4:30	2	5			2	2		
4:30-4:45	4	2		2	2		1	3
4:45-5:00	1		1					
5:00-5:15	8	6	1	1	7	2	4	
5:15-5:30	2	2	1	3	4	5	2	
5:30-5:45	4	1	3		3			3
5:45-6:00	3	8	2		4		1	1
6:00-6:15	2	1	3		2	2	1	1
6:15-6:30	3	3	1		2	3		1
6:30-6:45	4	4	3			2	2	
6:45-7:00	2	2	4		1	1		

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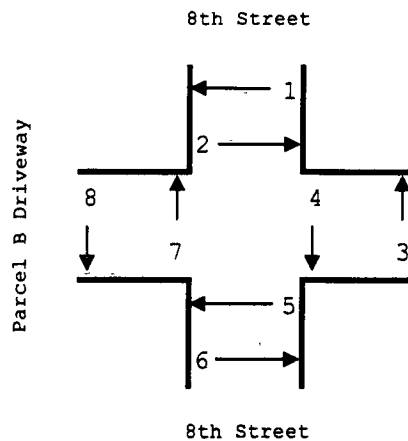
Existing Traffic Count

PROJECT		Atlantic Plumbing Site		DATE		4/12/2005		SOUTHBOUND ROAD		8th Street											
W & A JOB NO		2799		DAY		Tuesday		NORTHBOUND ROAD		8th Street											
INTERSECTION		8th Street & Parcel B Driveway		WEATHER		Clear		WESTBOUND ROAD		0											
LOCATION		Washington DC		COUNTED BY		Lucia		EASTBOUND ROAD		Parcel B Driveway											
				INPUTED BY		agan															
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound 8th Street				Westbound 0				Northbound 8th Street				Eastbound Parcel B Driveway							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	2	0	2	0	0	0	0	0	2	0	2	0	0	1	1	4	1	5	6:00-6:15	
6:15-6:30	1	1	0	2	0	0	0	0	0	8	0	8	0	0	0	0	10	0	10	6:15-6:30	
6:30-6:45	0	0	0	0	0	0	0	0	0	5	0	5	0	0	1	1	5	1	6	6:30-6:45	
6:45-7:00	0	1	0	1	0	0	0	0	0	11	0	11	0	0	0	0	12	0	12	6:45-7:00	
7:00-7:15	0	3	0	3	0	0	0	0	0	16	0	16	0	0	0	0	19	0	19	7:00-7:15	
7:15-7:30	2	6	0	8	0	0	0	0	0	3	0	3	0	0	0	0	11	0	11	7:15-7:30	
7:30-7:45	0	6	0	6	0	0	0	0	0	9	0	9	0	0	1	1	15	1	16	7:30-7:45	
7:45-8:00	1	5	0	6	0	0	0	0	0	16	0	16	0	0	1	1	22	1	23	7:45-8:00	
8:00-8:15	0	4	0	4	0	0	0	0	0	18	0	18	0	0	0	0	22	0	22	8:00-8:15	
8:15-8:30	0	3	0	3	0	0	0	0	0	16	0	16	0	0	1	1	19	1	20	8:15-8:30	
8:30-8:45	1	16	0	17	0	0	0	0	0	30	0	30	0	0	0	0	47	0	47	8:30-8:45	
8:45-9:00	0	14	0	14	0	0	0	0	0	18	0	18	0	0	1	1	32	1	33	8:45-9:00	
3 Hour Totals	5	61	0	66	0	0	0	0	0	152	0	152	0	0	6	6	218	6	224		
1 Hour Totals																					
6:00-7:00	1	4	0	5	0	0	0	0	0	26	0	26	0	0	2	2	31	2	33	0.69 6:00-7:00	
6:15-7:15	1	5	0	6	0	0	0	0	0	40	0	40	0	0	1	1	46	1	47	0.62 6:15-7:15	
6:30-7:30	2	10	0	12	0	0	0	0	0	35	0	35	0	0	1	1	47	1	48	0.63 6:30-7:30	
6:45-7:45	2	16	0	18	0	0	0	0	0	39	0	39	0	0	1	1	57	1	58	0.76 6:45-7:45	
7:00-8:00	3	20	0	23	0	0	0	0	0	44	0	44	0	0	2	2	67	2	69	0.75 7:00-8:00	
7:15-8:15	3	21	0	24	0	0	0	0	0	46	0	46	0	0	2	2	70	2	72	0.78 7:15-8:15	
7:30-8:30	1	18	0	19	0	0	0	0	0	59	0	59	0	0	3	3	78	3	81	0.88 7:30-8:30	
7:45-8:45	2	28	0	30	0	0	0	0	0	80	0	80	0	0	2	2	110	2	112	0.60 7:45-8:45	
8:00-9:00	1	37	0	38	0	0	0	0	0	82	0	82	0	0	2	2	120	2	122	0.65 8:00-9:00	
AM Peak 8:00-9:00	1	37	0	38	0	0	0	0	0	82	0	82	0	0	2	2	120	2	122	0.65 AM Peak 8:00-9:00	
PM																					
4:00-4:15	0	20	0	20	0	0	0	0	0	17	0	17	0	0	0	0	37	0	37	4:00-4:15	
4:15-4:30	0	9	0	9	0	0	0	0	0	27	0	27	1	0	0	1	36	1	37	4:15-4:30	
4:30-4:45	1	11	0	12	0	0	0	0	0	22	1	23	0	0	0	0	35	0	35	4:30-4:45	
4:45-5:00	0	15	0	15	0	0	0	0	0	29	0	29	0	0	0	0	44	0	44	4:45-5:00	
5:00-5:15	0	18	0	18	0	0	0	0	0	18	0	18	0	0	0	0	36	0	36	5:00-5:15	
5:15-5:30	0	9	0	9	0	0	0	0	0	18	0	18	0	0	0	0	27	0	27	5:15-5:30	
5:30-5:45	0	6	0	6	0	0	0	0	0	25	1	26	0	0	0	0	32	0	32	5:30-5:45	
5:45-6:00	0	11	0	11	0	0	0	0	0	28	0	28	0	0	0	0	39	0	39	5:45-6:00	
6:00-6:15	0	19	0	19	0	0	0	0	0	22	0	22	0	0	0	0	41	0	41	6:00-6:15	
6:15-6:30	0	13	0	13	0	0	0	0	0	24	0	24	0	0	0	0	37	0	37	6:15-6:30	
6:30-6:45	0	10	0	10	0	0	0	0	0	13	0	13	0	0	0	0	23	0	23	6:30-6:45	
6:45-7:00	0	5	0	5	0	0	0	0	0	19	0	19	0	0	0	0	24	0	24	6:45-7:00	
3 Hour Totals	1	146	0	147	0	0	0	0	0	262	2	264	1	0	0	1	411	1	412		
1 Hour Totals																					
4:00-5:00	1	55	0	56	0	0	0	0	0	95	1	96	1	0	0	1	152	1	153	0.87 4:00-5:00	
4:15-5:15	1	53	0	54	0	0	0	0	0	96	1	97	1	0	0	1	151	1	152	0.86 4:15-5:15	
4:30-5:30	1	53	0	54	0	0	0	0	0	87	1	88	0	0	0	0	142	0	142	0.81 4:30-5:30	
4:45-5:45	0	48	0	48	0	0	0	0	0	90	1	91	0	0	0	0	139	0	139	0.79 4:45-5:45	
5:00-6:00	0	44	0	44	0	0	0	0	0	89	1	90	0	0	0	0	134	0	134	0.86 5:00-6:00	
5:15-6:15	0	45	0	45	0	0	0	0	0	93	1	94	0	0	0	0	139	0	139	0.85 5:15-6:15	
5:30-6:30	0	49	0	49	0	0	0	0	0	99	1	100	0	0	0	0	149	0	149	0.91 5:30-6:30	
5:45-6:45	0	53	0	53	0	0	0	0	0	87	0	87	0	0	0	0	140	0	140	0.85 5:45-6:45	
6:00-7:00	0	47	0	47	0	0	0	0	0	78	0	78	0	0	0	0	125	0	125	0.76 6:00-7:00	
PM Peak 4:00-5:00	1	55	0	56	0	0	0	0	0	95	1	96	1	0	0	1	152	1	153	0.87 PM Peak 4:00-5:00	

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 8th Street & Parcel B Drive
Weather: Clear
Date: 4/10/2005
Surveyor: Lucia



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15		1						2
6:15-6:30	2		3		4		1	
6:30-6:45								
6:45-7:00			1					
7:00-7:15	1		1					1
7:15-7:30			2				1	2
7:30-7:45				1			4	2
7:45-8:00			3				2	2
8:00-8:15			3			2		1
8:15-8:30				1			1	3
8:30-8:45			1	1			5	4
8:45-9:00			3	1			2	2
PM								
4:00-4:15							1	
4:15-4:30								1
4:30-4:45							2	3
4:45-5:00								
5:00-5:15				3	1	3	6	
5:15-5:30			1					
5:30-5:45	2	6		1	4		1	3
5:45-6:00	1							1
6:00-6:15	4	8		4	1	1	2	2
6:15-6:30	5	6	5		3			1
6:30-6:45	1		2					
6:45-7:00	6	3	6			1	2	

Wells & Associates, LLC

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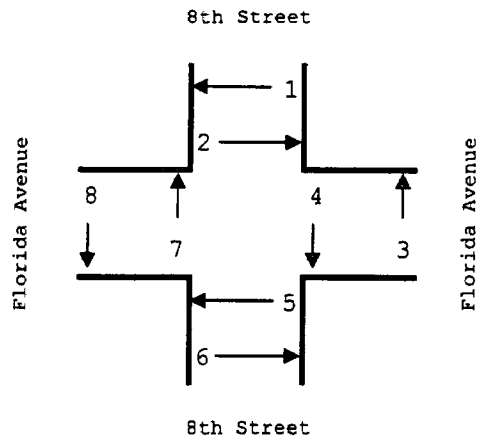
Existing Traffic Count

PROJECT		Atlantic Plumbing Site				DATE		4/12/2005		SOUTHBOUND ROAD				8th Street							
W & A JOB NO.		2799				DAY		Tuesday		NORTHBOUND ROAD				8th Street							
INTERSECTION		8th Street & Florida Ave				WEATHER		Clear		WESTBOUND ROAD				Florida Avenue							
LOCATION		Washington DC				COUNTED BY		Al & Gerri		EASTBOUND ROAD				Florida Avenue							
						INPUTED BY		agan													
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound 8th Street				Westbound Florida Avenue				Northbound 8th Street				Eastbound Florida 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	1	0	1	2	98	2	102	0	0	0	0	3	75	1	79	1	181	182	6:00-6:15	
6:15-6:30	0	0	0	0	3	152	5	160	0	0	0	0	5	67	4	76	0	236	236	6:15-6:30	
6:30-6:45	0	0	0	0	3	145	13	161	0	0	1	1	3	69	2	74	1	235	236	6:30-6:45	
6:45-7:00	0	0	0	0	4	170	6	180	0	1	2	3	0	87	6	93	3	273	276	6:45-7:00	
7:00-7:15	1	2	1	4	10	229	4	243	0	0	0	0	0	110	5	115	4	358	362	7:00-7:15	
7:15-7:30	0	0	2	2	4	226	1	231	0	2	2	4	1	111	2	114	6	345	351	7:15-7:30	
7:30-7:45	4	0	0	4	3	247	0	250	1	0	1	2	2	133	4	139	6	389	395	7:30-7:45	
7:45-8:00	0	2	0	2	8	249	0	257	1	2	3	6	2	145	2	149	8	406	414	7:45-8:00	
8:00-8:15	0	2	1	3	7	263	1	271	1	0	3	4	6	152	9	167	7	438	445	8:00-8:15	
8:15-8:30	0	0	1	1	3	261	13	277	0	3	3	6	5	175	7	187	7	464	471	8:15-8:30	
8:30-8:45	6	1	1	8	18	209	3	230	1	6	3	10	9	183	9	201	18	431	449	8:30-8:45	
8:45-9:00	2	6	1	9	8	214	0	222	1	2	0	3	6	176	4	186	12	408	420	8:45-9:00	
3 Hour Totals	13	14	7	34	73	2,463	48	2,584	5	16	18	39	42	1,483	55	1,580	73	4,164	4,237		
1 Hour Totals																					
6:00-7:00	0	1	0	1	12	565	26	603	0	1	3	4	11	298	13	322	5	925	930	0.84 6:00-7:00	
6:15-7:15	1	2	1	4	20	696	28	744	0	1	3	4	8	333	17	358	8	1,102	1,110	0.77 6:15-7:15	
6:30-7:30	1	2	3	6	21	770	24	815	0	3	5	8	4	377	15	396	14	1,211	1,225	0.85 6:30-7:30	
6:45-7:45	5	2	3	10	21	872	11	904	1	3	5	9	3	441	17	461	19	1,365	1,384	0.88 6:45-7:45	
7:00-8:00	5	4	3	12	25	951	5	981	2	4	6	12	5	499	13	517	24	1,498	1,522	0.92 7:00-8:00	
7:15-8:15	4	4	3	11	22	985	2	1,009	3	4	9	16	11	541	17	569	27	1,578	1,605	0.90 7:15-8:15	
7:30-8:30	4	4	2	10	21	1,020	14	1,055	3	5	10	18	15	605	22	642	28	1,697	1,725	0.92 7:30-8:30	
7:45-8:45	6	5	3	14	36	982	17	1,035	3	11	12	26	22	655	27	704	40	1,739	1,779	0.94 7:45-8:45	
8:00-9:00	8	9	4	21	36	947	17	1,000	3	11	9	23	26	686	29	741	44	1,741	1,785	0.95 8:00-9:00	
AM Peak 8:00-9:00																				0.95	AM Peak 8:00-9:00
PM																					
4:00-4:15	9	6	8	23	8	153	7	168	4	2	0	6	9	237	6	252	29	420	449	4:00-4:15	
4:15-4:30	5	6	2	13	8	158	6	172	0	4	4	8	12	191	10	213	21	385	406	4:15-4:30	
4:30-4:45	3	2	3	8	11	180	6	197	1	5	1	7	9	194	9	212	15	409	424	4:30-4:45	
4:45-5:00	6	7	2	15	11	196	4	211	0	9	2	11	3	200	9	212	26	423	449	4:45-5:00	
5:00-5:15	5	8	4	17	4	170	6	180	2	2	3	7	17	239	9	265	24	445	469	5:00-5:15	
5:15-5:30	4	6	2	12	6	189	4	199	3	2	1	6	3	200	0	203	18	402	420	5:15-5:30	
5:30-5:45	3	3	2	8	8	223	5	236	2	5	2	9	6	221	10	237	17	473	490	5:30-5:45	
5:45-6:00	6	6	3	15	4	200	8	212	0	2	1	3	2	198	11	211	18	423	441	5:45-6:00	
6:00-6:15	6	6	1	13	9	210	7	226	0	4	0	4	10	212	9	231	17	457	474	6:00-6:15	
6:15-6:30	3	3	5	11	2	209	4	215	2	4	1	7	2	204	10	216	18	431	449	6:15-6:30	
6:30-6:45	8	1	1	10	5	173	2	180	0	1	6	7	7	185	7	199	17	379	396	6:30-6:45	
6:45-7:00	3	3	2	8	9	216	5	230	0	3	1	4	9	154	3	166	12	396	408	6:45-7:00	
3 Hour Totals	61	57	35	153	65	2,277	64	2,426	14	43	22	79	89	2,435	93	2,617	232	5,043	5,275		
1 Hour Totals																					
4:00-5:00	23	21	15	59	38	687	23	748	5	20	7	32	33	822	34	889	91	1,637	1,728	0.96 4:00-5:00	
4:15-5:15	19	23	11	53	34	704	22	760	3	20	10	33	41	824	37	902	86	1,662	1,748	0.93 4:15-5:15	
4:30-5:30	18	23	11	52	32	735	20	787	6	18	7	31	32	833	27	892	83	1,679	1,762	0.94 4:30-5:30	
4:45-5:45	18	24	10	52	29	778	19	826	7	18	8	33	29	860	28	917	85	1,743	1,828	0.93 4:45-5:45	
5:00-6:00	18	23	11	52	22	782	23	827	7	11	7	25	28	858	30	916	77	1,743	1,820	0.93 5:00-6:00	
5:15-6:15	19	21	8	48	27	822	24	873	5	13	4	22	21	831	30	882	70	1,755	1,825	0.93 5:15-6:15	
5:30-6:30	18	18	11	47	23	842	24	889	4	15	4	23	20	835	40	895	70	1,784	1,854	0.95 5:30-6:30	
5:45-6:45	23	16	10	49	20	792	21	833	2	11	8	21	21	799	37	857	70	1,690	1,760	0.93 5:45-6:45	
6:00-7:00	20	13	9	42	25	808	18	851	2	12	8	22	28	755	29	812	64	1,663	1,727	0.91 6:00-7:00	
PM Peak 5:30-6:30																				0.95	PM Peak 5:30-6:30

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 8th Street & Florida Ave.
Weather: Clear
Date: 4/12/2005
Surveyor: Al & Gerri



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1					1		
6:15-6:30	2					2		
6:30-6:45		8			2			
6:45-7:00	3	2			1	2		1
7:00-7:15	2							
7:15-7:30	2					2		
7:30-7:45		5	3				2	
7:45-8:00	3			1	1			2
8:00-8:15	7	1				1		
8:15-8:30	1	3	1	2		3	4	
8:30-8:45	1	1			2	2		
8:45-9:00	1	2	3		2		1	
PM								
4:00-4:15	4	3		1	14	7	2	1
4:15-4:30	5	1	2	1	6	8	1	1
4:30-4:45	5	3		1	3	8	2	2
4:45-5:00	8	1		3	7	1		
5:00-5:15	3	6		1	2	2		1
5:15-5:30	3				5	6	5	2
5:30-5:45	6	2	2	4	4	4	2	
5:45-6:00	5	7		1	10	7		3
6:00-6:15	4	9	4	1	6	5	1	1
6:15-6:30	7		1		2	4		
6:30-6:45	3	3	4		7	4	1	3
6:45-7:00	6	1	1	2	7	2		

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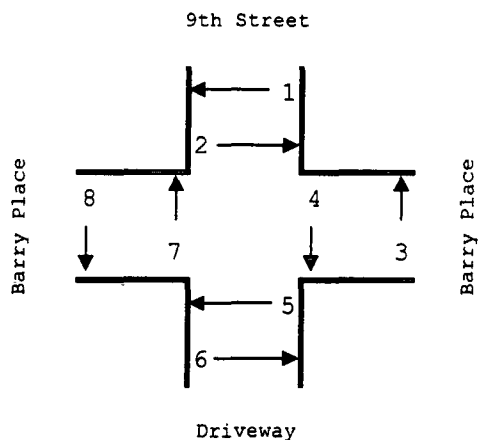
Existing Traffic Count

PROJECT		Atlantic Plumbing Site							DATE		4/12/2005		SOUTHBOUND ROAD				9th Street				
W & A JOB NO		2799							DAY		Tuesday		NORTHBOUND ROAD				Driveway				
INTERSECTION		9th Street & Barry Place							WEATHER		Clear		WESTBOUND ROAD				Barry Place				
LOCATION		Washington DC							COUNTED BY		Admir & Gina		EASTBOUND ROAD				Barry Place				
									INPUTED BY		agan										
Time Period	Turning Movements																Total	PHF	Time Period		
	Southbound 9th Street				Westbound Barry Place				Northbound Driveway				Eastbound Barry Place							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	1	0	2	3	0	7	0	7	0	0	0	0	0	9	0	9	3	16	19		6:00-6:15
6:15-6:30	2	0	2	4	1	5	0	6	0	0	0	0	0	9	0	9	4	15	19		6:15-6:30
6:30-6:45	0	0	2	2	1	14	0	15	0	0	0	0	0	12	0	12	2	27	29		6:30-6:45
6:45-7:00	2	0	1	3	4	16	0	20	0	0	0	0	0	19	0	19	3	39	42		6:45-7:00
7:00-7:15	1	0	0	1	3	19	0	22	0	0	0	0	0	24	1	25	1	47	48		7:00-7:15
7:15-7:30	5	0	1	6	3	27	0	30	0	0	0	0	0	30	2	32	6	62	68		7:15-7:30
7:30-7:45	2	0	2	4	5	23	0	28	0	0	0	0	0	24	2	26	4	54	58		7:30-7:45
7:45-8:00	3	0	6	9	11	30	0	41	0	0	0	0	0	39	2	41	9	82	91		7:45-8:00
8:00-8:15	2	0	2	4	6	41	0	47	0	0	0	0	0	48	4	52	4	99	103		8:00-8:15
8:15-8:30	2	0	5	7	14	42	0	56	0	0	0	0	0	46	2	48	7	104	111		8:15-8:30
8:30-8:45	5	0	5	10	12	42	0	54	0	0	0	0	0	60	4	64	10	118	128		8:30-8:45
8:45-9:00	2	0	5	7	7	39	0	46	0	0	0	0	0	65	5	70	7	116	123		8:45-9:00
3 Hour Totals	27	0	33	60	67	305	0	372	0	0	0	0	0	385	22	407	60	778	839		
1 Hour Totals																					
6:00-7:00	5	0	7	12	6	42	0	48	0	0	0	0	0	49	0	49	12	97	109	0.65	6:00-7:00
6:15-7:15	5	0	5	10	9	54	0	63	0	0	0	0	0	64	1	65	10	128	138	0.72	6:15-7:15
6:30-7:30	8	0	4	12	11	76	0	87	0	0	0	0	0	85	3	88	12	175	187	0.69	6:30-7:30
6:45-7:45	10	0	4	14	15	85	0	100	0	0	0	0	0	97	5	102	14	202	216	0.79	6:45-7:45
7:00-8:00	11	0	9	20	22	99	0	121	0	0	0	0	0	117	7	124	20	245	265	0.73	7:00-8:00
7:15-8:15	12	0	11	23	25	121	0	146	0	0	0	0	0	141	10	151	23	297	320	0.78	7:15-8:15
7:30-8:30	9	0	15	24	36	136	0	172	0	0	0	0	0	157	10	167	24	339	363	0.82	7:30-8:30
7:45-8:45	12	0	18	30	43	155	0	198	0	0	0	0	0	193	12	205	30	403	433	0.85	7:45-8:45
8:00-9:00	11	0	17	28	39	164	0	203	0	0	0	0	0	219	15	234	28	437	465	0.91	8:00-9:00
AM Peak 8:00-9:00	11	0	17	28	39	164	0	203	0	0	0	0	0	219	15	234	28	437	465	0.91	AM Peak 8:00-9:00
PM																					
4:00-4:15	8	0	6	14	17	43	0	60	0	0	0	0	0	58	8	66	14	126	140		4:00-4:15
4:15-4:30	5	0	13	18	15	27	0	42	0	0	0	0	0	47	3	50	18	92	110		4:15-4:30
4:30-4:45	7	0	5	12	10	40	0	50	0	0	0	0	0	55	1	56	12	106	118		4:30-4:45
4:45-5:00	8	0	9	17	11	36	0	47	0	0	0	0	0	55	2	57	17	104	121		4:45-5:00
5:00-5:15	7	0	12	19	20	37	0	57	0	0	0	0	0	61	6	67	19	124	143		5:00-5:15
5:15-5:30	4	0	5	9	8	44	0	52	0	0	0	0	0	56	3	59	9	111	120		5:15-5:30
5:30-5:45	5	0	8	13	10	38	0	48	0	0	0	0	0	55	4	59	13	107	120		5:30-5:45
5:45-6:00	8	0	9	17	14	27	0	41	0	0	0	0	0	67	7	74	17	115	132		5:45-6:00
6:00-6:15	1	0	7	8	6	34	0	40	0	0	0	0	0	61	9	70	8	110	118		6:00-6:15
6:15-6:30	5	0	9	14	12	43	0	55	0	0	0	0	0	50	2	52	14	107	121		6:15-6:30
6:30-6:45	3	0	8	11	6	26	0	32	0	0	0	0	0	53	3	56	11	88	99		6:30-6:45
6:45-7:00	2	0	12	14	10	28	0	38	0	0	0	0	0	49	8	57	14	95	109		6:45-7:00
3 Hour Totals	63	0	103	166	139	423	0	562	0	0	0	0	0	667	56	723	166	1,285	1,451		
1 Hour Totals																					
4:00-5:00	28	0	33	61	53	146	0	199	0	0	0	0	0	215	14	229	61	428	489	0.87	4:00-5:00
4:15-5:15	27	0	39	66	56	140	0	196	0	0	0	0	0	218	12	230	66	426	492	0.86	4:15-5:15
4:30-5:30	26	0	31	57	49	157	0	206	0	0	0	0	0	227	12	239	57	445	502	0.88	4:30-5:30
4:45-5:45	24	0	34	58	49	155	0	204	0	0	0	0	0	227	15	242	58	446	504	0.88	4:45-5:45
5:00-6:00	24	0	34	58	52	146	0	198	0	0	0	0	0	239	20	259	58	457	515	0.90	5:00-6:00
5:15-6:15	18	0	29	47	38	143	0	181	0	0	0	0	0	239	23	262	47	443	490	0.93	5:15-6:15
5:30-6:30	19	0	33	52	42	142	0	184	0	0	0	0	0	233	22	255	52	439	491	0.93	5:30-6:30
5:45-6:45	17	0	33	50	38	130	0	168	0	0	0	0	0	231	21	252	50	420	470	0.89	5:45-6:45
6:00-7:00	11	0	36	47	34	131	0	165	0	0	0	0	0	213	22	235	47	400	447	0.92	6:00-7:00
PM Peak 5:00-6:00	24	0	34	58	52	146	0	198	0	0	0	0	0	239	20	259	58	457	515	0.90	PM Peak 5:00-6:00

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 9th Street & Barry Place
Weather: Clear
Date: 4/12/2005
Surveyor: Admin & Gina



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15					2	2		
6:15-6:30				1	3	4		
6:30-6:45					6	3		
6:45-7:00		1	1	2	7	8		
7:00-7:15	1	3	1	1	9	7		1
7:15-7:30	1	4		2	11	12	1	1
7:30-7:45	1	1		2	14	18		2
7:45-8:00	1	1	7	4	22	24		1
8:00-8:15	11	2	7	5	26	26	2	3
8:15-8:30	3	1	6	4	32	33		
8:30-8:45		5	1	4	38	28	3	1
8:45-9:00	2	2	3	4	33	31	1	
PM								
4:00-4:15	1	1	5	7	14	27	3	1
4:15-4:30	5	2	7	6	16	32	6	4
4:30-4:45	2	2	4	4	25	36	1	1
4:45-5:00	2	1	4	7	19	38	4	6
5:00-5:15	2	4	8	7	24	21	6	3
5:15-5:30	3	1	2	5	21	19	3	1
5:30-5:45	2	4	4	8	34	28	6	1
5:45-6:00	7		5	3	25	24	2	1
6:00-6:15	3	1	3	2	28	25	7	5
6:15-6:30	7	4	6	11	32	17	1	
6:30-6:45	2	1	12	6	19	22	3	
6:45-7:00	3	2	8	1	24	16	3	4

Wells & Associates, LLC

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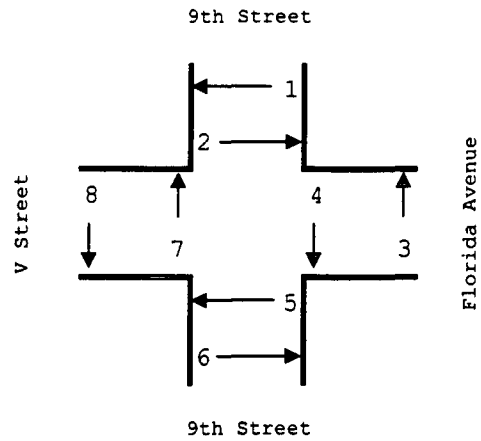
Existing Traffic Count

PROJECT: Atlantic Plumbing Site		DATE: 4/12/2005		SOUTHBOUND ROAD		9th Street															
W & A JOB NO.: 2799		DAY: Tuesday		NORTHBOUND ROAD		9th Street															
INTERSECTION: 9th Street & V Street		WEATHER: Clear		WESTBOUND ROAD		Florida Avenue															
LOCATION: Washington,DC		COUNTED BY: Belon & Tulu		EASTBOUND ROAD:		V Street															
		INPUTED BY: agan																			
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 9th Street				Westbound Florida Avenue				Northbound 9th Street				Eastbound V 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	2	1	0	3	0	3	4	7	0	4	23	27	70	1	1	72	30	79	109	6:00-6:15	
6:15-6:30	0	0	0	0	1	3	4	8	0	2	40	42	76	10	1	87	42	95	137	6:15-6:30	
6:30-6:45	0	1	0	1	3	7	7	17	0	3	22	25	77	4	1	82	26	99	125	6:30-6:45	
6:45-7:00	1	0	1	2	1	4	3	8	1	7	32	40	88	11	1	100	42	108	150	6:45-7:00	
7:00-7:15	0	0	1	1	2	8	4	14	5	5	50	60	147	13	2	162	61	176	237	7:00-7:15	
7:15-7:30	1	1	0	2	3	5	7	15	5	5	64	74	155	7	0	162	76	177	253	7:15-7:30	
7:30-7:45	1	1	1	3	7	9	12	28	5	1	62	68	165	7	2	174	71	202	273	7:30-7:45	
7:45-8:00	0	0	1	1	8	11	11	30	2	4	89	95	226	13	2	241	96	271	367	7:45-8:00	
8:00-8:15	0	0	4	4	10	18	11	39	2	10	81	93	184	12	6	202	97	241	338	8:00-8:15	
8:15-8:30	5	0	2	7	5	21	17	43	3	2	78	83	223	8	3	234	90	277	367	8:15-8:30	
8:30-8:45	1	2	2	5	4	21	16	41	2	2	80	84	244	26	2	272	89	313	402	8:30-8:45	
8:45-9:00	1	1	1	3	4	24	20	48	6	3	69	78	238	33	3	274	81	322	403	8:45-9:00	
3 Hour Totals		12	7	13	32	48	134	116	298	31	48	690	769	1,893	145	24	2,062	801	2,360	3,161	
1 Hour Totals																					
6:00-7:00	3	2	1	6	5	17	18	40	1	16	117	134	311	26	4	341	140	381	521	0.87	6:00-7:00
6:15-7:15	1	1	2	4	7	22	18	47	6	17	144	167	388	38	5	431	171	478	649	0.68	6:15-7:15
6:30-7:30	2	2	2	6	9	24	21	54	11	20	168	199	467	35	4	506	205	560	765	0.76	6:30-7:30
6:45-7:45	3	2	3	8	13	26	26	65	16	18	208	242	555	38	5	598	250	663	913	0.84	6:45-7:45
7:00-8:00	2	2	3	7	20	33	34	87	17	15	265	297	693	40	6	739	304	826	1,130	0.77	7:00-8:00
7:15-8:15	2	2	6	10	28	43	41	112	14	20	296	330	730	39	10	779	340	891	1,231	0.84	7:15-8:15
7:30-8:30	6	1	8	15	30	59	51	140	12	17	310	339	798	40	13	851	354	991	1,345	0.92	7:30-8:30
7:45-8:45	6	2	9	17	27	71	55	153	9	18	328	355	877	59	13	949	372	1,102	1,474	0.92	7:45-8:45
8:00-9:00	7	3	9	19	23	84	64	171	13	17	308	338	889	79	14	982	357	1,153	1,510	0.94	8:00-9:00
AM Peak 8:00-9:00																					
7	3	9	19	23	84	64	171	13	17	308	338	889	79	14	982	357	1,153	1,510	0.94	AM Peak 8:00-9:00	
PM																					
4:00-4:15	1	3	6	10	4	43	30	77	6	2	106	114	184	25	4	213	124	290	414		4:00-4:15
4:15-4:30	5	5	4	14	6	40	19	65	4	0	90	94	171	21	2	194	108	259	367		4:15-4:30
4:30-4:45	3	5	4	12	7	18	18	43	3	4	117	124	136	12	1	149	136	192	328		4:30-4:45
4:45-5:00	4	2	3	9	3	27	28	58	3	0	113	116	170	20	2	192	125	250	375		4:45-5:00
5:00-5:15	0	5	1	6	1	22	17	40	0	2	140	142	202	15	0	217	148	257	405		5:00-5:15
5:15-5:30	1	1	2	4	1	30	25	56	5	8	131	144	198	8	0	206	148	262	410		5:15-5:30
5:30-5:45	1	4	1	6	5	38	27	70	4	1	172	177	168	16	0	184	183	254	437		5:30-5:45
5:45-6:00	2	0	4	6	3	30	19	52	3	3	148	154	193	15	1	209	160	261	421		5:45-6:00
6:00-6:15	0	1	1	2	7	13	7	27	2	2	89	93	231	8	0	239	95	266	361		6:00-6:15
6:15-6:30	0	0	0	0	8	5	11	24	3	1	90	94	194	6	3	203	94	227	321		6:15-6:30
6:30-6:45	0	3	1	4	5	19	20	44	0	1	100	101	170	9	3	182	105	226	331		6:30-6:45
6:45-7:00	7	1	2	10	2	5	7	14	2	0	45	47	111	9	9	129	57	143	200		6:45-7:00
3 Hour Totals		24	30	29	83	52	280	228	570	35	24	1,341	1,400	2,128	164	25	2,317	1,483	2,887	4,370	
1 Hour Totals																					
4:00-5:00	13	15	17	45	20	128	95	243	16	6	426	448	661	78	9	748	493	991	1,484	0.90	4:00-5:00
4:15-5:15	12	17	12	41	17	107	82	206	10	6	460	476	679	68	5	752	517	958	1,475	0.91	4:15-5:15
4:30-5:30	8	13	10	31	12	97	88	197	11	14	501	526	706	55	3	764	557	961	1,518	0.93	4:30-5:30
4:45-5:45	6	12	7	25	10	117	97	224	12	11	556	579	738	59	2	799	604	1,023	1,627	0.93	4:45-5:45
5:00-6:00	4	10	8	22	10	120	88	218	12	14	591	617	761	54	1	816	639	1,034	1,673	0.96	5:00-6:00
5:15-6:15	4	6	8	18	16	111	78	205	14	14	540	568	790	47	1	838	586	1,043	1,629	0.93	5:15-6:15
5:30-6:30	3	5	6	14	23	86	64	173	12	7	499	518	786	45	4	835	532	1,008	1,540	0.88	5:30-6:30
5:45-6:45	2	4	6	12	23	67	57	147	8	7	427	442	788	38	7	833	454	980	1,434	0.85	5:45-6:45
6:00-7:00	7	5	4	16	22	42	45	109	7	4	324	335	706	32	15	753	351	862	1,213	0.84	6:00-7:00
PM Peak 5:00-6:00																					
4	10	8	22	10	120	88	218	12	14	591	617	761	54	1	816	639	1,034	1,673	0.96	PM Peak 5:00-6:00	

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 9th Street & V Street
Weather: Clear
Date: 4/12/2005
Surveyor: Beien & Tulu



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1			1				
6:15-6:30	6							
6:30-6:45	2	1		1				
6:45-7:00	1	2		2				1
7:00-7:15		1			1			
7:15-7:30		1	1			1		
7:30-7:45	2	1						
7:45-8:00	4	1	1			1		
8:00-8:15	4			1		2		
8:15-8:30	2	2	1	2				
8:30-8:45	3	2			1			
8:45-9:00	4	1		1				
PM								
4:00-4:15	8	3	1	1				
4:15-4:30	3	4	1	1	3			
4:30-4:45	1	2						
4:45-5:00	1							
5:00-5:15	2	1						
5:15-5:30		4		1	3	1		
5:30-5:45	4	1	1		2			
5:45-6:00	1	4	1					
6:00-6:15		1	2	3		1		
6:15-6:30	7	4	6	2		2		
6:30-6:45	2	7				1		
6:45-7:00		5	3					

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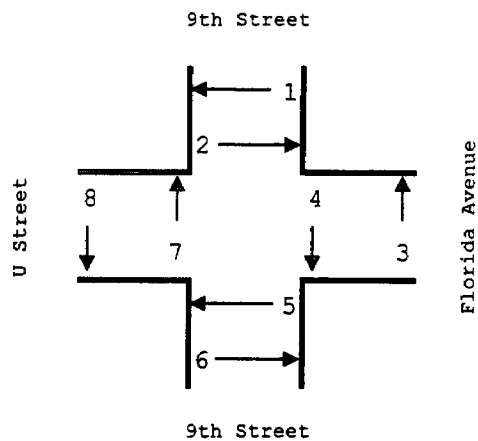
Existing Traffic Count

PROJECT		Atlantic Plumbing Site				DATE:		4/12/2005		SOUTHBOUND ROAD				9th Street							
W & A JOB NO		2799				DAY		Tuesday		NORTHBOUND ROAD.				9th Street							
INTERSECTION		9th Street & U Street				WEATHER:		Clear		WESTBOUND ROAD				Florida Avenue							
LOCATION.		Washington DC				COUNTED BY		Paco & Lilian		EASTBOUND ROAD				U Street							
						INPUTED BY		agan													
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound 9th Street				Westbound Florida Avenue				Northbound 9th Street				Eastbound U 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	6	45	18	69	14	81	0	95	4	14	2	20	8	53	0	61	89	156	245	6:00-6:15	
6:15-6:30	3	47	20	70	31	126	0	157	1	7	2	10	6	64	0	70	80	227	307	6:15-6:30	
6:30-6:45	4	50	17	71	23	122	0	145	0	7	5	12	13	63	0	76	83	221	304	6:30-6:45	
6:45-7:00	0	66	18	84	25	146	0	171	2	14	5	21	5	73	0	78	105	249	354	6:45-7:00	
7:00-7:15	4	64	37	105	40	178	0	218	1	24	10	35	5	66	0	71	140	289	429	7:00-7:15	
7:15-7:30	4	91	37	132	34	181	0	215	1	34	8	43	12	78	0	90	175	305	480	7:15-7:30	
7:30-7:45	8	102	42	152	35	210	0	245	0	27	5	32	15	110	0	125	184	370	554	7:30-7:45	
7:45-8:00	2	153	34	189	49	198	0	247	1	44	7	52	14	114	0	128	241	375	616	7:45-8:00	
8:00-8:15	11	153	60	224	42	238	0	280	2	55	19	76	22	151	0	173	300	453	753	8:00-8:15	
8:15-8:30	9	161	64	234	39	217	0	256	3	45	19	67	20	123	0	143	301	399	700	8:15-8:30	
8:30-8:45	10	175	67	252	24	201	0	225	1	53	19	73	37	130	0	167	325	392	717	8:30-8:45	
8:45-9:00	9	187	57	253	39	181	0	220	2	35	10	47	19	138	0	157	300	377	677	8:45-9:00	
3 Hour Totals	70	1,294	471	1,835	395	2,079	0	2,474	18	359	111	488	176	1,163	0	1,339	2,323	3,813	6,136		
1 Hour Totals																					
6:00-7:00	13	208	73	294	93	475	0	568	7	42	14	63	32	253	0	285	357	653	1,210	0.85	6:00-7:00
6:15-7:15	11	227	92	330	119	572	0	691	4	52	22	78	29	266	0	295	408	986	1,394	0.81	6:15-7:15
6:30-7:30	12	271	109	392	122	627	0	749	4	79	28	111	35	280	0	315	503	1,064	1,567	0.82	6:30-7:30
6:45-7:45	16	323	134	473	134	715	0	849	4	99	28	131	37	327	0	364	604	1,213	1,817	0.82	6:45-7:45
7:00-8:00	18	410	150	578	158	767	0	925	3	129	30	162	46	368	0	414	740	1,339	2,079	0.84	7:00-8:00
7:15-8:15	25	499	173	697	160	827	0	987	4	160	39	203	63	453	0	516	900	1,503	2,403	0.80	7:15-8:15
7:30-8:30	30	569	200	799	165	863	0	1,028	6	171	50	227	71	488	0	569	1,026	1,597	2,623	0.87	7:30-8:30
7:45-8:45	32	642	225	899	154	854	0	1,008	7	197	64	268	93	518	0	611	1,167	1,619	2,786	0.92	7:45-8:45
8:00-9:00	39	676	248	963	144	837	0	981	8	188	67	263	98	542	0	640	1,226	1,621	2,847	0.95	8:00-9:00
AM Peak 8:00-9:00																					
39	676	248	963	144	837	0	981	8	188	67	263	98	542	0	640	1,226	1,621	2,847	0.95	AM Peak 8:00-9:00	
PM																					
4:00-4:15	13	136	70	219	17	133	0	150	7	79	12	98	31	162	0	193	317	343	660	4:00-4:15	
4:15-4:30	1	137	59	197	36	132	0	168	6	58	9	73	29	155	0	184	270	352	622	4:15-4:30	
4:30-4:45	1	111	46	158	47	145	0	192	3	64	14	81	30	147	0	177	239	369	608	4:30-4:45	
4:45-5:00	7	117	62	186	40	158	0	198	3	76	14	93	28	143	0	171	279	369	648	4:45-5:00	
5:00-5:15	6	136	76	218	39	144	0	183	4	98	11	113	22	194	0	216	331	399	730	5:00-5:15	
5:15-5:30	11	133	62	206	37	136	0	173	0	90	12	102	23	183	0	206	308	379	687	5:15-5:30	
5:30-5:45	5	101	61	167	43	172	0	215	3	93	14	110	40	199	0	239	277	454	731	5:30-5:45	
5:45-6:00	8	118	52	178	37	167	0	204	2	91	12	105	28	167	0	195	283	399	682	5:45-6:00	
6:00-6:15	7	103	69	179	41	162	0	203	4	68	13	85	32	153	0	185	264	388	652	6:00-6:15	
6:15-6:30	7	113	72	192	43	166	0	209	6	65	11	82	27	161	0	188	274	397	671	6:15-6:30	
6:30-6:45	8	109	57	174	58	127	0	185	5	59	10	74	32	134	0	166	248	351	599	6:30-6:45	
6:45-7:00	11	123	34	168	46	153	0	199	6	45	6	57	20	116	0	136	225	335	560	6:45-7:00	
3 Hour Totals	85	1,437	720	2,242	484	1,795	0	2,279	49	886	138	1,073	342	1,914	0	2,256	3,315	4,535	7,850		
1 Hour Totals																					
4:00-5:00	22	501	237	760	140	568	0	708	19	277	49	345	118	607	0	725	1,105	1,433	2,538	0.96	4:00-5:00
4:15-5:15	15	501	243	759	162	579	0	741	16	296	48	360	109	639	0	748	1,119	1,489	2,608	0.89	4:15-5:15
4:30-5:30	25	497	246	768	163	583	0	746	10	328	51	389	103	667	0	770	1,157	1,516	2,673	0.92	4:30-5:30
4:45-5:45	29	487	261	777	159	610	0	769	10	357	51	418	113	719	0	832	1,195	1,601	2,796	0.96	4:45-5:45
5:00-6:00	30	488	251	769	156	619	0	775	9	372	49	430	113	743	0	856	1,199	1,631	2,830	0.97	5:00-6:00
5:15-6:15	31	455	244	730	158	637	0	795	9	342	51	402	123	702	0	825	1,132	1,620	2,752	0.94	5:15-6:15
5:30-6:30	27	435	254	716	164	667	0	831	15	317	50	382	127	680	0	807	1,098	1,638	2,736	0.94	5:30-6:30
5:45-6:45	30	443	250	723	179	622	0	801	17	283	46	346	119	615	0	734	1,064	1,535	2,604	0.95	5:45-6:45
6:00-7:00	33	448	232	713	188	608	0	796	21	237	40	298	111	564	0	675	1,011	1,471	2,482	0.92	6:00-7:00
PM Peak 5:00-6:00																					
30	488	251	769	156	619	0	775	9	372	49	430	113	743	0	856	1,199	1,631	2,830	0.97	PM Peak 5:00-6:00	

Pedestrian Volume Survey



Project Name: Atlantic Plumbing Site
Project Number: 2799
Location: Washington, DC
Intersection: 9th Street & U Street
Weather: Clear
Date: 4/12/2005
Surveyor: Pacc & Lillian



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	2	3			1	1		
6:15-6:30	1					2		
6:30-6:45	2	9	1	1	1	1	2	1
6:45-7:00	1	3		2	1	1	1	1
7:00-7:15	5	1			1		2	
7:15-7:30	3	3	1	1	1	4	1	
7:30-7:45	1	7	1	2		1	2	2
7:45-8:00	2	2	1			4		
8:00-8:15	5	2			4	1	3	3
8:15-8:30	4	4	2	4	6	1	5	3
8:30-8:45	3	4		2	10	1	1	1
8:45-9:00	4	2			1	3		1
PM								
4:00-4:15	1				6	9	2	1
4:15-4:30	9	3		2	12	12	4	
4:30-4:45	7	3		2	7	11	7	5
4:45-5:00	8	1		3	4	4	2	1
5:00-5:15		5	2	4	4	6		1
5:15-5:30	8	3		1	6	13	2	2
5:30-5:45	8	3	2	2	10	15	3	1
5:45-6:00	7	5	1	3	9	9	1	1
6:00-6:15	8	7	6	1	12	9		
6:15-6:30	11	9	1	6	6	4	3	3
6:30-6:45	4	4	1	2	6	5	1	1
6:45-7:00	5	5	2	1	6	3	1	1

Wells & Associates, LLC

McLean, Virginia

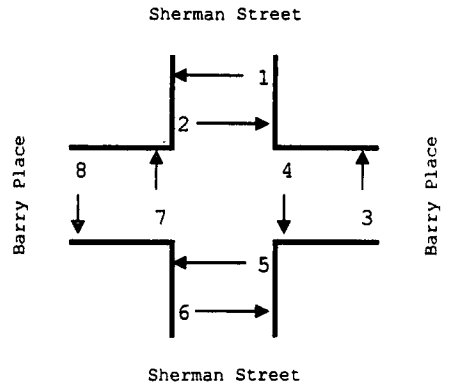
Existing Traffic Count

PROJECT		Atlantic Plumbing		DATE		11/2/2005		SOUTHBOUND ROAD		Sherman Street											
W & A JOB NO		2799		DAY		Wednesday		NORTHBOUND ROAD		Sherman Street											
INTERSECTION		Barry Place and Sherman Street		WEATHER		Clear		WESTBOUND ROAD		Barry Place											
LOCATION		Washington DC		COUNTED BY		Roy		EASTBOUND ROAD		Barry Place											
				INPUTED BY		CFP															
		Turning Movements																			
Time Period	Southbound Sherman Street				Westbound Barry Place				Northbound Sherman Street				Eastbound Barry Place				North & South	East & West	Total	PHF	Time Period
	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	10	81	3	94	1	7	0	8	2	37	4	43	0	8	5	13	137	21	158	6:00-6:15	
6:15-6:30	15	106	2	123	3	8	1	12	15	51	0	66	0	7	6	13	189	25	214	6:15-6:30	
6:30-6:45	15	107	1	123	3	5	1	9	4	41	0	45	0	4	6	10	168	19	187	6:30-6:45	
6:45-7:00	23	158	10	191	4	8	1	13	1	32	3	36	1	6	6	13	227	26	253	6:45-7:00	
7:00-7:15	20	144	7	171	5	18	2	25	1	31	0	32	0	10	11	21	203	46	249	7:00-7:15	
7:15-7:30	31	178	7	216	5	20	2	27	8	58	0	66	1	15	19	35	282	62	344	7:15-7:30	
7:30-7:45	26	196	10	232	7	14	0	21	4	54	0	58	2	8	17	27	290	48	338	7:30-7:45	
7:45-8:00	37	217	7	261	8	25	0	33	2	52	1	55	0	22	10	32	316	65	381	7:45-8:00	
8:00-8:15	31	247	17	295	6	39	2	47	12	69	0	81	0	21	11	32	376	79	455	8:00-8:15	
8:15-8:30	43	263	12	318	9	32	3	44	3	62	1	66	0	15	10	25	384	69	453	8:15-8:30	
8:30-8:45	48	263	8	319	11	31	0	42	11	30	1	42	0	23	11	34	361	76	437	8:30-8:45	
8:45-9:00	41	305	14	360	8	24	0	32	2	72	0	74	1	27	12	40	434	72	506	8:45-9:00	
3 Hour Totals	340	2,265	98	2,703	70	231	12	313	65	589	10	664	5	166	124	295	3,367	608	3,975		
1 Hour Totals																					
6:00-7:00	63	452	16	531	11	28	3	42	22	161	7	190	1	25	23	49	721	91	812	0.80 6:00-7:00	
6:15-7:15	73	515	20	608	15	39	5	59	21	155	3	179	1	27	29	57	787	116	903	0.89 6:15-7:15	
6:30-7:30	89	587	25	701	17	51	6	74	14	162	3	179	2	35	42	79	880	153	1,033	0.75 6:30-7:30	
6:45-7:45	100	676	34	810	21	60	5	86	14	175	3	192	4	39	53	96	1,002	182	1,184	0.86 6:45-7:45	
7:00-8:00	114	735	31	880	25	77	4	106	15	195	1	211	3	55	57	115	1,091	221	1,312	0.86 7:00-8:00	
7:15-8:15	125	838	41	1,004	26	98	4	128	26	233	1	260	3	66	57	126	1,264	254	1,518	0.83 7:15-8:15	
7:30-8:30	137	923	46	1,106	30	110	5	145	21	237	2	260	2	66	48	116	1,366	261	1,627	0.89 7:30-8:30	
7:45-8:45	159	990	44	1,193	34	127	5	166	28	213	3	244	0	81	42	123	1,437	289	1,726	0.95 7:45-8:45	
8:00-9:00	163	1,078	51	1,292	34	126	5	165	28	233	2	263	1	86	44	131	1,555	296	1,851	0.91 8:00-9:00	
AM Peak 8:00-9:00																					
163	1,078	51	1,292	34	126	5	165	28	233	2	263	1	86	44	131	1,555	296	1,851	0.91	AM Peak 8:00-9:00	
PM																					
4:00-4:15	17	150	9	176	13	10	8	31	8	168	0	176	0	12	34	46	352	77	429	4:00-4:15	
4:15-4:30	25	140	5	170	16	17	3	36	15	195	0	210	1	27	43	71	380	107	487	4:15-4:30	
4:30-4:45	24	149	8	181	8	25	1	34	17	182	1	200	0	24	41	65	381	99	480	4:30-4:45	
4:45-5:00	21	156	9	186	10	26	2	38	10	189	2	201	1	29	34	64	387	102	489	4:45-5:00	
5:00-5:15	17	182	8	207	10	20	3	33	12	234	4	250	1	35	49	85	457	118	575	5:00-5:15	
5:15-5:30	13	120	13	146	22	25	7	54	2	255	1	258	4	30	26	60	404	114	518	5:15-5:30	
5:30-5:45	28	163	13	204	14	19	7	40	7	271	1	279	0	34	34	68	483	108	591	5:30-5:45	
5:45-6:00	11	134	12	157	13	35	6	54	5	266	2	273	0	50	9	59	430	113	543	5:45-6:00	
6:00-6:15	10	131	5	146	16	26	2	44	8	173	0	181	1	34	56	91	327	135	462	6:00-6:15	
6:15-6:30	20	137	9	166	9	19	7	35	13	218	0	231	0	23	23	46	397	81	478	6:15-6:30	
6:30-6:45	13	132	9	154	15	20	8	43	12	221	0	233	0	12	15	27	387	70	457	6:30-6:45	
6:45-7:00	15	121	11	147	9	29	5	43	16	113	0	129	1	18	25	44	276	87	363	6:45-7:00	
3 Hour Totals	214	1,715	111	2,040	155	271	69	485	125	2,485	11	2,621	8	328	389	726	4,661	1,211	5,872		
1 Hour Totals																					
4:00-5:00	87	595	31	713	47	78	14	139	50	734	3	787	2	92	152	246	1,500	385	1,885	0.96 4:00-5:00	
4:15-5:15	87	627	30	744	44	88	9	141	54	800	7	861	3	115	167	285	1,605	426	2,031	0.88 4:15-5:15	
4:30-5:30	75	607	38	720	50	96	13	159	41	860	8	909	6	118	150	274	1,629	433	2,062	0.90 4:30-5:30	
4:45-5:45	79	621	43	743	56	90	19	165	31	949	8	988	6	128	143	277	1,731	442	2,173	0.92 4:45-5:45	
5:00-6:00	69	599	46	714	59	99	23	181	26	1,026	8	1,060	5	149	118	272	1,774	453	2,227	0.94 5:00-6:00	
5:15-6:15	62	548	43	653	65	105	22	192	22	965	4	991	5	148	125	278	1,644	470	2,114	0.89 5:15-6:15	
5:30-6:30	69	565	39	673	52	99	22	173	33	928	3	964	1	141	122	264	1,637	437	2,074	0.88 5:30-6:30	
5:45-6:45	54	534	35	623	53	100	23	176	38	878	2	918	1	119	103	223	1,541	399	1,940	0.89 5:45-6:45	
6:00-7:00	58	521	34	613	49	94	22	165	49	725	0	774	2	87	119	208	1,387	373	1,760	0.92 6:00-7:00	
PM Peak 5:00-6:00																					
69	599	46	714	59	99	23	181	26	1,026	8	1,060	5	149	118	272	1,774	453	2,227	0.94	PM Peak 5:00-6:00	

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey

Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Barry Place and Sherman Street
Weather: Clear
Date: 11/2/2005
Surveyor: Angela
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1	0	0	0	0	0	0	0
6:15-6:30	0	0	0	3	0	0	0	0
6:30-6:45	0	3	0	0	0	0	1	1
6:45-7:00	1	0	0	0	0	0	0	0
7:00-7:15	0	0	0	0	3	0	0	0
7:15-7:30	0	0	0	0	1	0	0	8
7:30-7:45	4	2	1	0	2	0	1	0
7:45-8:00	0	0	0	0	4	0	1	0
8:00-8:15	0	0	0	0	0	0	1	0
8:15-8:30	0	2	0	0	0	0	0	8
8:30-8:45	2	0	3	3	2	0	0	0
8:45-9:00	0	0	0	0	1	0	0	4
PM								
4:00-4:15	1	3	3	0	0	0	2	4
4:15-4:30	12	0	0	3	3	0	0	0
4:30-4:45	0	2	3	0	4	0	1	1
4:45-5:00	3	3	0	2	2	1	1	2
5:00-5:15	0	0	0	0	1	1	0	0
5:15-5:30	0	0	0	0	0	1	0	0
5:30-5:45	7	0	1	0	3	0	2	0
5:45-6:00	0	0	0	1	6	0	0	0
6:00-6:15	4	0	0	0	1	1	0	0
6:15-6:30	0	0	0	0	3	0	0	0
6:30-6:45	0	2	2	2	0	1	5	0
6:45-7:00	1	1	0	1	5	1	0	0

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

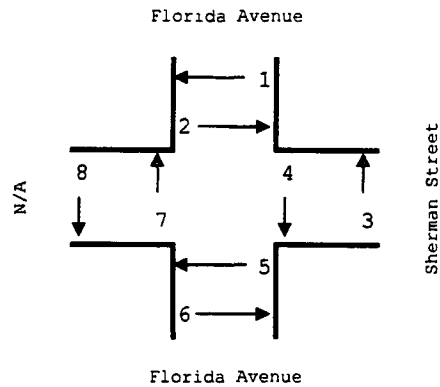
PROJECT:		Atlantic Plumbing		DATE		11/2/2005		SOUTHBOUND ROAD		Florida Avenue											
W & A JOB NO		2799		DAY		Wednesday		NORTHBOUND ROAD		Florida Avenue											
INTERSECTION		Florida Avenue and Sherman Street		WEATHER		Clear		WESTBOUND ROAD		N/A											
LOCATION		Washington DC		COUNTED BY		Roy		EASTBOUND ROAD		Sherman Street											
				INPUTED BY		CFP															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Florida Avenue				Eastbound N/A				Northbound Florida Avenue				Westbound Sherman 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	0	7	0	7	0	0	0	0	18	7	0	25	1	0	72	73	32	73	105		6:00-6:15
6:15-6:30	0	16	0	16	0	0	0	0	34	14	0	48	0	0	106	106	64	106	170		6:15-6:30
6:30-6:45	0	19	0	19	0	0	0	0	41	21	0	62	1	0	106	107	81	107	188		6:30-6:45
6:45-7:00	0	7	0	7	0	0	0	0	41	31	0	72	1	0	152	153	79	153	232		6:45-7:00
7:00-7:15	0	31	0	31	0	0	0	0	41	42	0	83	1	0	149	150	114	150	264		7:00-7:15
7:15-7:30	0	33	0	33	0	0	0	0	74	36	0	110	1	0	170	171	143	171	314		7:15-7:30
7:30-7:45	0	34	0	34	0	0	0	0	61	66	0	127	0	0	197	197	161	197	358		7:30-7:45
7:45-8:00	0	33	0	33	0	0	0	0	71	61	0	132	0	0	212	212	165	212	377		7:45-8:00
8:00-8:15	0	40	0	40	0	0	0	0	103	46	0	149	2	0	241	243	189	243	432		8:00-8:15
8:15-8:30	0	37	0	37	0	0	0	0	95	43	0	138	2	0	257	259	175	259	434		8:15-8:30
8:30-8:45	0	55	0	55	0	0	0	0	72	60	0	132	0	0	253	253	187	253	440		8:30-8:45
8:45-9:00	0	28	0	28	0	0	0	0	79	46	0	125	1	0	273	274	153	274	427		8:45-9:00
3 Hour Totals	0	340	0	340	0	0	0	0	730	473	0	1,203	10	0	2,188	2,198	1,543	2,198	3,741		
1 Hour Totals																					
6:00-7:00	0	49	0	49	0	0	0	0	134	73	0	207	3	0	436	439	256	439	695	0.75	6:00-7:00
6:15-7:15	0	73	0	73	0	0	0	0	157	108	0	265	3	0	513	516	338	516	854	0.81	6:15-7:15
6:30-7:30	0	90	0	90	0	0	0	0	197	130	0	327	4	0	577	581	417	581	998	0.79	6:30-7:30
6:45-7:45	0	105	0	105	0	0	0	0	217	175	0	392	3	0	668	671	497	671	1,168	0.82	6:45-7:45
7:00-8:00	0	131	0	131	0	0	0	0	247	205	0	452	2	0	728	730	583	730	1,313	0.87	7:00-8:00
7:15-8:15	0	140	0	140	0	0	0	0	309	209	0	518	3	0	820	823	658	823	1,481	0.86	7:15-8:15
7:30-8:30	0	144	0	144	0	0	0	0	330	216	0	546	4	0	907	911	690	911	1,601	0.92	7:30-8:30
7:45-8:45	0	165	0	165	0	0	0	0	341	210	0	551	4	0	963	967	716	967	1,683	0.96	7:45-8:45
8:00-9:00	0	160	0	160	0	0	0	0	349	195	0	544	5	0	1,024	1,029	704	1,029	1,733	0.98	8:00-9:00
AM Peak 8:00-9:00																					
0	160	0	160	0	0	0	0	0	349	195	0	544	5	0	1,024	1,029	704	1,029	1,733	0.98	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	56	0	56	0	0	0	0	185	45	0	230	4	0	133	137	286	137	423		4:00-4:15
4:15-4:30	0	47	0	47	0	0	0	0	208	62	0	270	1	0	147	148	317	148	465		4:15-4:30
4:30-4:45	0	53	0	53	0	0	0	0	178	62	0	240	0	0	150	150	293	150	443		4:30-4:45
4:45-5:00	0	44	0	44	0	0	0	0	199	54	0	253	0	0	146	146	297	146	443		4:45-5:00
5:00-5:15	0	40	0	40	0	0	0	0	209	58	0	267	3	0	167	170	307	170	477		5:00-5:15
5:15-5:30	0	31	0	31	0	0	0	0	257	60	0	317	2	0	136	138	348	138	486		5:15-5:30
5:30-5:45	0	35	0	35	0	0	0	0	243	60	0	303	0	0	144	144	338	144	482		5:30-5:45
5:45-6:00	0	36	0	36	0	0	0	0	218	52	0	270	0	0	136	136	306	136	442		5:45-6:00
6:00-6:15	0	38	0	38	0	0	0	0	181	51	0	232	2	0	121	123	270	123	393		6:00-6:15
6:15-6:30	0	30	0	30	0	0	0	0	193	52	0	245	0	0	142	142	275	142	417		6:15-6:30
6:30-6:45	0	29	0	29	0	0	0	0	188	48	0	236	0	0	125	125	265	125	390		6:30-6:45
6:45-7:00	0	27	0	27	0	0	0	0	153	35	0	188	0	0	119	119	215	119	334		6:45-7:00
3 Hour Totals	0	466	0	466	0	0	0	0	2,412	639	0	3,051	12	0	1,666	1,678	3,517	1,678	5,195		
1 Hour Totals																					
4:00-5:00	0	200	0	200	0	0	0	0	770	223	0	993	5	0	576	581	1,193	581	1,774	0.95	4:00-5:00
4:15-5:15	0	184	0	184	0	0	0	0	794	236	0	1,030	4	0	610	614	1,214	614	1,828	0.96	4:15-5:15
4:30-5:30	0	168	0	168	0	0	0	0	843	234	0	1,077	5	0	599	604	1,245	604	1,849	0.95	4:30-5:30
4:45-5:45	0	150	0	150	0	0	0	0	908	232	0	1,140	5	0	593	598	1,290	598	1,888	0.97	4:45-5:45
5:00-6:00	0	142	0	142	0	0	0	0	927	230	0	1,157	5	0	583	588	1,299	588	1,887	0.97	5:00-6:00
5:15-6:15	0	140	0	140	0	0	0	0	899	223	0	1,122	4	0	537	541	1,262	541	1,803	0.93	5:15-6:15
5:30-6:30	0	139	0	139	0	0	0	0	835	215	0	1,050	2	0	543	545	1,189	545	1,734	0.90	5:30-6:30
5:45-6:45	0	133	0	133	0	0	0	0	780	203	0	983	2	0	524	526	1,113	526	1,642	0.93	5:45-6:45
6:00-7:00	0	124	0	124	0	0	0	0	715	186	0	901	2	0	507	509	1,025	509	1,534	0.92	6:00-7:00
PM Peak 4:45-5:45																					
0	150	0	150	0	0	0	0	0	908	232	0	1,140	5	0	593	598	1,290	598	1,888	0.97	PM Peak 4:45-5:45

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Florida Avenue and Sherman S
Weather: Clear
Date: 11/2/2005
Surveyor:
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	1	2	1	2	0	0	0	0
6:15-6:30	1	1	1	1	0	0	0	0
6:30-6:45	1	2	1	2	0	0	0	0
6:45-7:00	1	3	1	3	0	0	0	0
7:00-7:15	3	1	3	1	0	0	0	0
7:15-7:30	8	3	8	3	0	0	0	0
7:30-7:45	4	3	4	3	0	0	0	0
7:45-8:00	9	7	9	7	0	0	0	0
8:00-8:15	6	4	6	4	0	0	0	0
8:15-8:30	7	9	7	9	0	0	0	0
8:30-8:45	6	4	6	4	0	0	0	0
8:45-9:00	4	2	4	2	0	0	0	0
PM								
4:00-4:15	1	8	1	8	0	0	0	0
4:15-4:30	1	4	1	4	0	0	0	0
4:30-4:45	1	2	1	2	0	0	0	0
4:45-5:00	2	5	2	6	0	0	0	0
5:00-5:15	1	19	1	19	0	0	0	0
5:15-5:30	1	7	1	7	0	0	0	0
5:30-5:45	1	1	1	1	0	0	0	0
5:45-6:00	1	3	1	3	0	0	0	0
6:00-6:15	0	9	0	9	0	0	0	0
6:15-6:30	0	0	0	0	0	0	0	0
6:30-6:45	5	1	5	1	0	0	0	0
6:45-7:00	1	0	1	0	0	0	0	0

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

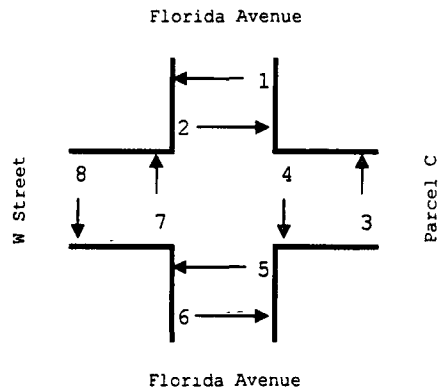
PROJECT		Atlantic Plumbing		DATE		11/2/2005		SOUTHBOUND ROAD		Florida Avenue											
W & A JOB NO.		2799		DAY		Wednesday		NORTHBOUND ROAD		Florida Avenue											
INTERSECTION		Florida Avenue and W Street		WEATHER		Clear		WESTBOUND ROAD		N/A											
LOCATION		Washington DC		COUNTED BY		Roy		EASTBOUND ROAD		W Street											
				INPUTED BY		CFP															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Florida Avenue				Westbound N/A				Northbound Florida Avenue				Eastbound W 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	0	84	0	84	0	0	0	0	0	38	0	38	13	0	2	15	122	15	137	6:00-6:15	
6:15-6:30	0	121	0	121	0	0	0	0	0	40	0	40	14	0	0	14	161	14	175	6:15-6:30	
6:30-6:45	0	108	0	108	0	0	0	0	0	56	0	56	19	0	4	23	164	23	187	6:30-6:45	
6:45-7:00	0	169	0	169	0	0	0	0	0	61	0	61	20	0	1	21	230	21	251	6:45-7:00	
7:00-7:15	0	158	0	158	0	0	0	0	0	78	0	78	9	0	5	14	236	14	250	7:00-7:15	
7:15-7:30	0	169	0	169	0	0	0	0	0	100	0	100	17	0	2	19	269	19	288	7:15-7:30	
7:30-7:45	0	226	0	226	0	0	0	0	0	124	0	124	31	0	7	38	350	38	388	7:30-7:45	
7:45-8:00	0	243	0	243	0	0	0	0	0	104	0	104	24	0	3	27	347	27	374	7:45-8:00	
8:00-8:15	0	273	0	273	0	0	0	0	0	149	0	149	27	0	2	29	422	29	451	8:00-8:15	
8:15-8:30	0	270	0	270	0	0	0	0	0	128	0	128	30	0	6	36	398	36	434	8:15-8:30	
8:30-8:45	0	285	0	285	0	0	0	0	0	118	0	118	26	0	2	28	403	28	431	8:30-8:45	
8:45-9:00	0	310	0	310	0	0	0	0	0	126	0	126	32	0	2	34	436	34	470	8:45-9:00	
3 Hour Totals		0	2,416	0	2,416	0	0	0	0	0	1,122	0	1,122	262	0	36	298	3,538	298	3,836	
1 Hour Totals																					
6:00-7:00	0	482	0	482	0	0	0	0	0	195	0	195	66	0	7	73	677	73	750	0.75 6:00-7:00	
6:15-7:15	0	556	0	556	0	0	0	0	0	235	0	235	62	0	10	72	791	72	863	0.86 6:15-7:15	
6:30-7:30	0	604	0	604	0	0	0	0	0	295	0	295	65	0	12	77	899	77	976	0.85 6:30-7:30	
6:45-7:45	0	722	0	722	0	0	0	0	0	363	0	363	77	0	15	92	1,085	92	1,177	0.76 6:45-7:45	
7:00-8:00	0	796	0	796	0	0	0	0	0	406	0	406	81	0	17	98	1,202	98	1,300	0.84 7:00-8:00	
7:15-8:15	0	911	0	911	0	0	0	0	0	477	0	477	99	0	14	113	1,388	113	1,501	0.83 7:15-8:15	
7:30-8:30	0	1,012	0	1,012	0	0	0	0	0	505	0	505	112	0	18	130	1,517	130	1,647	0.91 7:30-8:30	
7:45-8:45	0	1,071	0	1,071	0	0	0	0	0	499	0	499	107	0	13	120	1,570	120	1,690	0.94 7:45-8:45	
8:00-9:00	0	1,138	0	1,138	0	0	0	0	0	521	0	521	115	0	12	127	1,659	127	1,786	0.95 8:00-9:00	
AM Peak 8:00-9:00		0	1,138	0	1,138	0	0	0	0	0	521	0	521	115	0	12	127	1,659	127	1,786	0.95 AM Peak 8:00-9:00
PM																					
4:00-4:15	0	171	0	171	0	0	0	0	0	203	0	203	37	0	13	50	374	50	424	4:00-4:15	
4:15-4:30	0	174	0	174	0	0	0	0	0	231	0	231	37	0	6	43	405	43	448	4:15-4:30	
4:30-4:45	0	184	0	184	0	0	0	0	0	194	0	194	30	0	24	54	378	54	432	4:30-4:45	
4:45-5:00	0	181	0	181	0	0	0	0	0	233	0	233	36	0	4	40	414	40	454	4:45-5:00	
5:00-5:15	0	182	0	182	0	0	0	0	0	255	0	255	38	0	8	46	437	46	483	5:00-5:15	
5:15-5:30	0	177	0	177	0	0	0	0	0	304	0	304	51	0	15	66	481	66	547	5:15-5:30	
5:30-5:45	0	192	0	192	0	0	0	0	0	298	0	298	49	0	12	61	490	61	551	5:30-5:45	
5:45-6:00	0	166	0	166	0	0	0	0	0	276	0	276	37	0	9	46	442	46	488	5:45-6:00	
6:00-6:15	0	160	0	160	0	0	0	0	0	227	0	227	30	0	8	38	387	38	425	6:00-6:15	
6:15-6:30	0	169	0	169	0	0	0	0	0	240	0	240	25	0	6	31	409	31	440	6:15-6:30	
6:30-6:45	0	145	0	145	0	0	0	0	0	210	0	210	29	0	6	35	355	35	390	6:30-6:45	
6:45-7:00	0	140	0	140	0	0	0	0	0	157	0	157	31	0	10	41	297	41	338	6:45-7:00	
3 Hour Totals		0	2,041	0	2,041	0	0	0	0	0	2,828	0	2,828	430	0	121	551	4,869	551	5,420	
1 Hour Totals																					
4:00-5:00	0	710	0	710	0	0	0	0	0	861	0	861	140	0	47	187	1,571	187	1,758	0.97 4:00-5:00	
4:15-5:15	0	721	0	721	0	0	0	0	0	913	0	913	141	0	42	183	1,634	183	1,817	0.94 4:15-5:15	
4:30-5:30	0	724	0	724	0	0	0	0	0	986	0	986	155	0	51	206	1,710	206	1,916	0.88 4:30-5:30	
4:45-5:45	0	732	0	732	0	0	0	0	0	1,090	0	1,090	174	0	39	213	1,822	213	2,035	0.92 4:45-5:45	
5:00-6:00	0	717	0	717	0	0	0	0	0	1,133	0	1,133	175	0	44	219	1,850	219	2,069	0.94 5:00-6:00	
5:15-6:15	0	695	0	695	0	0	0	0	0	1,105	0	1,105	167	0	44	211	1,800	211	2,011	0.91 5:15-6:15	
5:30-6:30	0	687	0	687	0	0	0	0	0	1,041	0	1,041	141	0	35	176	1,728	176	1,904	0.86 5:30-6:30	
5:45-6:45	0	640	0	640	0	0	0	0	0	953	0	953	121	0	29	150	1,563	150	1,743	0.89 5:45-6:45	
6:00-7:00	0	614	0	614	0	0	0	0	0	834	0	834	115	0	30	145	1,448	145	1,593	0.91 6:00-7:00	
PM Peak 5:00-6:00		0	717	0	717	0	0	0	0	0	1,133	0	1,133	175	0	44	219	1,850	219	2,069	0.94 PM Peak 5:00-6:00

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Florida Avenue and W Street
Weather: Clear
Date: 11/2/2005
Surveyor: Stuarts
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	0	0	0	2	0	0	0	2
6:15-6:30	0	2	0	0	0	0	0	0
6:30-6:45	0	0	1	1	0	0	0	1
6:45-7:00	0	1	3	0	0	0	1	0
7:00-7:15	2	1	2	0	0	0	0	0
7:15-7:30	0	4	6	0	0	0	1	1
7:30-7:45	1	3	3	5	0	0	0	0
7:45-8:00	3	5	6	4	0	0	0	0
8:00-8:15	0	1	3	2	0	0	0	1
8:15-8:30	2	1	4	1	0	0	1	1
8:30-8:45	1	1	4	3	0	0	0	0
8:45-9:00	2	2	4	6	0	0	3	0
PM								
4:00-4:15	0	2	2	12	0	0	0	1
4:15-4:30	4	3	7	10	0	0	0	2
4:30-4:45	2	3	6	1	0	0	1	0
4:45-5:00	5	2	4	3	0	1	1	1
5:00-5:15	2	3	4	5	1	1	3	0
5:15-5:30	3	1	11	6	0	1	2	0
5:30-5:45	0	1	4	3	0	0	0	1
5:45-6:00	1	0	7	6	0	0	0	0
6:00-6:15	2	1	7	2	0	1	0	0
6:15-6:30	2	3	2	4	0	0	0	1
6:30-6:45	1	2	8	7	0	1	0	0
6:45-7:00	2	0	3	3	0	1	1	1

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

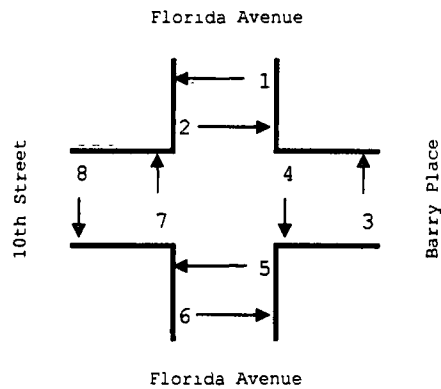
PROJECT		Atlantic Plumbing				DATE		11/2/2005				SOUTHBOUND ROAD				Florida Avenue					
W & A JOB NO		2799				DAY		Wednesday				NORTHBOUND ROAD				Florida Avenue					
INTERSECTION		Florida Avenue Barry Place, 10th Avenue				WEATHER		Clear				WESTBOUND ROAD				Barry Place					
LOCATION		Washington DC				COUNTED BY		Roy				EASTBOUND ROAD				10th Avenue					
						INPUTED BY		CFP													
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Florida Avenue				Westbound Barry Place				Northbound Florida Avenue				Eastbound 10th 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	6	9	15	14	4	2	20	0	7	4	11	1	0	2	3	26	23	49	6:00-6:15	
6:15-6:30	3	15	13	31	22	3	2	27	0	14	2	16	1	0	0	1	47	28	75	6:15-6:30	
6:30-6:45	0	12	11	23	18	0	2	20	2	17	0	19	0	0	2	2	42	22	64	6:30-6:45	
6:45-7:00	2	10	11	23	26	3	4	33	0	25	0	25	3	1	1	5	48	38	86	6:45-7:00	
7:00-7:15	1	25	22	48	25	3	4	32	1	37	3	41	3	0	4	7	89	39	128	7:00-7:15	
7:15-7:30	6	30	32	68	42	4	1	47	0	32	1	33	3	0	1	4	101	51	152	7:15-7:30	
7:30-7:45	2	33	30	65	34	1	4	39	2	60	3	65	3	0	0	3	130	42	172	7:30-7:45	
7:45-8:00	0	26	22	48	54	11	5	70	0	37	1	38	3	4	3	10	86	80	166	7:45-8:00	
8:00-8:15	5	34	42	81	57	6	6	69	9	41	1	51	3	11	2	16	132	85	217	8:00-8:15	
8:15-8:30	5	37	40	82	54	9	10	73	3	31	3	37	0	8	2	10	119	83	202	8:15-8:30	
8:30-8:45	9	56	45	110	65	6	6	77	1	48	4	53	2	8	4	14	163	91	254	8:30-8:45	
8:45-9:00	10	25	36	71	56	5	5	66	2	41	2	45	1	6	3	10	116	76	192	8:45-9:00	
3 Hour Totals	43	309	313	665	467	55	51	573	20	390	24	434	23	38	24	85	1,099	658	1,757		
1 Hour Totals																					
6:00-7:00	5	43	44	92	80	10	10	100	2	63	6	71	5	1	5	11	163	111	274	0.80 6:00-7:00	
6:15-7:15	6	62	57	125	91	9	12	112	3	93	5	101	7	1	7	15	226	127	353	0.69 6:15-7:15	
6:30-7:30	9	77	76	162	111	10	11	132	3	111	4	118	9	1	8	18	280	150	430	0.71 6:30-7:30	
6:45-7:45	11	98	95	204	127	11	13	151	3	154	7	164	12	1	6	19	368	170	538	0.78 6:45-7:45	
7:00-8:00	9	114	106	229	155	19	14	188	3	166	8	177	12	4	8	24	406	212	618	0.90 7:00-8:00	
7:15-8:15	13	123	126	262	187	22	16	225	11	170	6	187	12	15	6	33	449	258	707	0.81 7:15-8:15	
7:30-8:30	12	130	134	276	199	27	25	251	14	169	8	191	9	23	7	39	467	290	757	0.87 7:30-8:30	
7:45-8:45	19	153	149	321	230	32	27	289	13	157	9	179	8	31	11	50	500	339	839	0.83 7:45-8:45	
8:00-9:00	29	152	163	344	232	26	27	285	15	161	10	186	6	33	11	50	530	335	865	0.85 8:00-9:00	
AM Peak 8:00-9:00																					
29	152	163	344	232	26	27	285	15	161	10	186	6	33	11	50	530	335	865	0.85 AM Peak 8:00-9:00		
PM																					
4:00-4:15	6	28	69	103	39	4	4	47	1	27	6	34	1	9	7	17	137	64	201	4:00-4:15	
4:15-4:30	3	31	67	101	38	10	1	49	1	44	7	52	0	5	4	9	153	58	211	4:15-4:30	
4:30-4:45	4	43	61	108	35	9	3	47	7	47	1	55	0	7	1	8	163	55	218	4:30-4:45	
4:45-5:00	1	40	58	99	45	4	2	51	2	34	1	37	2	6	2	10	136	61	197	4:45-5:00	
5:00-5:15	3	39	75	117	27	7	1	35	2	57	2	61	1	7	2	10	178	45	223	5:00-5:15	
5:15-5:30	2	26	61	89	24	6	6	36	1	41	3	45	0	4	1	5	134	41	175	5:15-5:30	
5:30-5:45	3	37	76	116	50	5	0	55	1	48	1	50	0	4	1	5	166	60	226	5:30-5:45	
5:45-6:00	2	28	65	95	60	4	1	65	1	40	3	44	0	2	5	7	139	72	211	5:45-6:00	
6:00-6:15	0	39	93	132	41	2	0	43	4	43	1	48	2	4	4	10	180	53	233	6:00-6:15	
6:15-6:30	4	53	41	98	31	2	0	33	0	44	2	46	0	0	3	3	144	36	180	6:15-6:30	
6:30-6:45	1	29	54	84	24	0	0	24	2	43	1	46	0	4	1	5	130	29	159	6:30-6:45	
6:45-7:00	2	28	49	79	44	4	1	49	1	21	1	23	0	5	1	6	102	55	157	6:45-7:00	
3 Hour Totals	31	421	769	1,221	458	57	19	534	23	489	29	541	6	57	32	95	1,762	629	2,391		
1 Hour Totals																					
4:00-5:00	14	142	255	411	157	27	10	194	11	152	15	178	3	27	14	44	589	238	827	0.95 4:00-5:00	
4:15-5:15	11	153	261	425	145	30	7	182	12	182	11	205	3	25	9	37	630	219	849	0.95 4:15-5:15	
4:30-5:30	10	148	255	413	131	26	12	169	12	179	7	198	3	24	6	33	611	202	813	0.91 4:30-5:30	
4:45-5:45	9	142	270	421	146	22	9	177	6	180	7	193	3	21	6	30	614	207	821	0.91 4:45-5:45	
5:00-6:00	10	130	277	417	161	22	8	191	5	186	9	200	1	17	9	27	617	218	835	0.92 5:00-6:00	
5:15-6:15	7	130	295	432	175	17	7	199	7	172	8	187	2	14	11	27	619	226	845	0.91 5:15-6:15	
5:30-6:30	9	157	275	441	182	13	1	196	6	175	7	188	2	10	13	25	629	221	850	0.91 5:30-6:30	
5:45-6:45	7	149	253	409	156	8	1	165	7	170	7	184	2	10	13	25	593	190	783	0.84 5:45-6:45	
6:00-7:00	7	149	237	393	140	8	1	149	7	151	5	163	2	13	9	24	556	173	729	0.78 6:00-7:00	
PM Peak 5:30-6:30																					
9	157	275	441	182	13	1	196	6	175	7	188	2	10	13	25	629	221	850	0.91 PM Peak 5:30-6:30		

Wells & Associates, LLC
McLean, Virginia

Pedestrian Volume Survey



Project Name: Atlantic Plumbing
Project Number: 2799
Location: Washington DC
Intersection: Florida Avenue, Barry Place,
Weather: Clear
Date: 11/2/2005
Surveyor:
Hours: Mileage:



TIME	Movement							
	1	2	3	4	5	6	7	8
AM								
6:00-6:15	0	2	3	2	0	1	0	0
6:15-6:30	1	1	2	1	0	0	0	0
6:30-6:45	1	2	1	2	0	1	1	0
6:45-7:00	1	0	1	6	0	4	2	3
7:00-7:15	0	1	3	1	1	3	1	0
7:15-7:30	1	2	2	4	0	3	4	0
7:30-7:45	1	3	3	0	0	0	2	3
7:45-8:00	0	1	2	5	0	3	0	0
8:00-8:15	1	0	3	14	0	5	2	1
8:15-8:30	4	2	0	5	1	4	1	0
8:30-8:45	1	0	2	1	0	0	0	1
8:45-9:00	3	2	0	0	1	2	0	0
PM								
4:00-4:15	1	1	1	0	0	0	8	2
4:15-4:30	0	1	3	0	5	0	3	0
4:30-4:45	0	0	8	3	0	0	2	1
4:45-5:00	3	0	1	2	0	0	7	9
5:00-5:15	1	2	8	4	1	1	3	2
5:15-5:30	2	3	1	5	2	2	6	10
5:30-5:45	6	5	2	3	1	1	3	4
5:45-6:00	2	0	5	7	0	1	7	1
6:00-6:15	3	2	4	0	5	0	3	0
6:15-6:30	2	0	3	1	1	1	0	5
6:30-6:45	0	1	0	2	0	0	2	3
6:45-7:00	0	0	0	0	0	0	0	0

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT:		Atlantic Plumbing		DATE		12/22/2005		SOUTHBOUND ROAD		Georgia Avenue											
W & A JOB NO:		2799		DAY		Tuesday		NORTHBOUND ROAD		Georgia Avenue											
INTERSECTION:		Georgia Avenue and V Street		WEATHER		Clear		WESTBOUND ROAD		V Street											
LOCATION:		Washington DC		COUNTED BY		CFP		EASTBOUND ROAD		V Street											
				INPUTED BY		CFP															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Georgia Avenue				Westbound V Street				Northbound Georgia Avenue				Eastbound V 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	64	0	67	4	1	1	6	4	43	4	51	2	1	2	5	118	11	129	6:00-6:15	
6:15-6:30	5	102	2	109	3	1	2	6	3	72	4	79	2	2	1	5	188	11	199	6:15-6:30	
6:30-6:45	8	108	3	119	3	2	3	8	2	55	4	61	5	1	1	7	180	15	195	6:30-6:45	
6:45-7:00	7	139	1	147	3	3	5	11	1	79	7	87	2	8	1	11	234	22	256	6:45-7:00	
7:00-7:15	9	121	4	134	1	1	3	5	3	92	5	100	3	6	5	14	234	19	253	7:00-7:15	
7:15-7:30	13	135	8	156	4	5	6	15	2	74	11	87	7	19	6	32	243	47	290	7:15-7:30	
7:30-7:45	21	168	6	195	3	8	4	15	3	80	5	88	7	5	5	17	283	32	315	7:30-7:45	
7:45-8:00	20	179	8	207	2	8	4	14	8	97	3	108	3	8	2	13	315	27	342	7:45-8:00	
8:00-8:15	18	187	3	208	5	8	7	20	2	102	6	110	5	9	11	25	318	45	363	8:00-8:15	
8:15-8:30	24	217	6	247	3	11	5	19	2	106	10	118	11	12	5	28	365	47	412	8:15-8:30	
8:30-8:45	20	210	8	238	3	12	6	21	6	79	8	93	7	8	10	25	331	46	377	8:30-8:45	
8:45-9:00	19	215	11	245	1	9	10	20	8	78	6	92	10	16	6	32	337	52	389	8:45-9:00	
3 Hour Totals	167	1,845	60	2,072	35	69	56	160	44	957	73	1,074	64	95	55	214	3,148	374	3,520		
1 Hour Totals																					
6:00-7:00	23	413	6	442	13	7	11	31	10	249	19	278	11	12	5	28	720	59	779	0.76 6:00-7:00	
6:15-7:15	29	470	10	509	10	7	13	30	9	298	20	327	12	17	8	37	836	67	903	0.88 6:15-7:15	
6:30-7:30	37	503	16	556	11	11	17	39	8	300	27	335	17	34	13	64	891	103	994	0.86 6:30-7:30	
6:45-7:45	50	563	19	632	11	17	18	46	9	325	28	362	19	38	17	74	994	120	1,114	0.88 6:45-7:45	
7:00-8:00	63	603	26	692	10	22	17	49	16	343	24	383	20	38	18	76	1,075	125	1,200	0.88 7:00-8:00	
7:15-8:15	72	669	25	766	14	29	21	64	15	353	25	393	22	41	24	87	1,159	151	1,310	0.90 7:15-8:15	
7:30-8:30	83	751	23	857	13	35	20	68	15	385	24	424	26	34	23	83	1,281	151	1,432	0.87 7:30-8:30	
7:45-8:45	82	793	25	900	13	39	22	74	18	384	27	429	26	37	28	91	1,329	165	1,494	0.91 7:45-8:45	
8:00-9:00	81	829	28	938	12	40	28	80	18	365	30	413	33	45	32	110	1,351	190	1,541	0.94 8:00-9:00	
AM Peak 8:00-9:00																					
8:00-9:00	81	829	28	938	12	40	28	80	18	365	30	413	33	45	32	110	1,351	190	1,541	0.94 AM Peak 8:00-9:00	
PM																					
4:00-4:15	14	141	4	159	3	17	21	41	5	128	10	143	17	12	21	50	302	91	393	4:00-4:15	
4:15-4:30	22	140	3	165	10	9	16	35	0	123	8	131	14	4	7	25	296	60	356	4:15-4:30	
4:30-4:45	24	144	1	169	10	16	10	36	4	125	12	141	16	12	7	35	310	71	381	4:30-4:45	
4:45-5:00	22	118	3	143	9	21	19	49	0	127	13	140	16	6	5	27	283	76	359	4:45-5:00	
5:00-5:15	15	145	3	163	13	20	14	47	2	127	15	144	9	9	9	27	307	74	381	5:00-5:15	
5:15-5:30	19	149	3	171	7	16	18	41	2	127	7	136	13	10	8	31	307	72	379	5:15-5:30	
5:30-5:45	18	131	2	151	8	16	20	44	2	125	17	144	7	8	12	27	295	71	366	5:30-5:45	
5:45-6:00	16	137	1	154	5	10	13	28	0	141	7	148	9	6	9	24	302	52	354	5:45-6:00	
6:00-6:15	19	138	1	158	4	9	18	31	0	132	13	145	7	8	12	27	303	58	361	6:00-6:15	
6:15-6:30	17	125	0	142	4	12	12	28	3	119	13	135	11	3	9	23	277	51	328	6:15-6:30	
6:30-6:45	14	135	1	150	2	9	4	15	4	125	22	151	12	4	12	28	301	43	344	6:30-6:45	
6:45-7:00	20	117	0	137	8	8	14	30	0	120	9	129	15	6	4	25	266	55	321	6:45-7:00	
3 Hour Totals	220	1,620	22	1,862	83	163	179	425	22	1,519	146	1,687	146	88	115	349	3,549	774	4,323		
1 Hour Totals																					
4:00-5:00	82	543	11	636	32	63	66	161	9	503	43	555	63	34	40	137	1,191	298	1,489	0.95 4:00-5:00	
4:15-5:15	83	547	10	640	42	66	59	167	6	502	48	556	55	31	28	114	1,196	281	1,477	0.97 4:15-5:15	
4:30-5:30	80	556	10	646	39	73	61	173	8	506	47	561	54	37	29	120	1,207	293	1,500	0.98 4:30-5:30	
4:45-5:45	74	543	11	628	37	73	71	181	6	506	52	564	45	33	34	112	1,192	293	1,485	0.97 4:45-5:45	
5:00-6:00	68	562	9	639	33	62	65	160	6	520	46	572	38	33	38	109	1,211	269	1,480	0.97 5:00-6:00	
5:15-6:15	72	555	7	634	24	51	69	144	4	525	44	573	36	32	41	109	1,207	253	1,460	0.96 5:15-6:15	
5:30-6:30	70	531	4	605	21	47	63	131	5	517	50	572	34	25	42	101	1,177	232	1,409	0.96 5:30-6:30	
5:45-6:45	66	535	3	604	15	40	47	102	7	517	55	579	39	21	42	102	1,183	204	1,387	0.96 5:45-6:45	
6:00-7:00	70	515	2	587	18	38	48	104	7	496	57	560	45	21	37	103	1,147	207	1,354	0.94 6:00-7:00	
PM Peak 4:30-5:30																					
4:30-5:30	80	556	10	646	39	73	61	173	8	506	47	561	54	37	29	120	1,207	293	1,500	0.98 PM Peak 4:30-5:30	

Wells & Associates, LLC

McLean, Virginia

Existing Traffic Count

PROJECT:		Atlantic Plumbing		DATE:		12/22/2005		SOUTHBOUND ROAD		Sherman											
W & A JOB NO.:		2799		DAY:		Tuesday		NORTHBOUND ROAD:		Sherman											
INTERSECTION:		Sherman Avenue and University Doms		WEATHER:		Clear		WESTBOUND ROAD		University Doms											
LOCATION:		Washington DC		COUNTED BY				EASTBOUND ROAD		N/A											
				INPUTED BY		CFP															
Time Period	Turning Movements																		Total	PHF	Time Period
	Southbound Sherman				Westbound University Doms				Northbound Sherman				Eastbound N/A				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	67	0	67	0	0	0	0	0	25	0	25	0	0	0	0	92	0	92		6:00-6:15
6:15-6:30	0	80	0	80	1	0	0	1	1	22	0	23	0	0	0	0	103	1	104		6:15-6:30
6:30-6:45	0	103	0	103	0	0	0	0	0	40	0	40	0	0	0	0	143	0	143		6:30-6:45
6:45-7:00	0	124	0	124	0	0	0	0	0	49	0	49	0	0	0	0	173	0	173		6:45-7:00
7:00-7:15	0	133	0	133	0	0	0	0	1	55	0	56	0	0	0	0	189	0	189		7:00-7:15
7:15-7:30	0	152	0	152	0	0	0	0	0	68	0	68	0	0	0	0	220	0	220		7:15-7:30
7:30-7:45	0	197	0	197	0	0	0	0	0	70	0	70	0	0	0	0	267	0	267		7:30-7:45
7:45-8:00	0	210	0	210	0	0	0	0	1	72	0	73	0	0	0	0	283	0	283		7:45-8:00
8:00-8:15	0	260	0	260	0	0	0	0	1	90	0	91	0	0	0	0	351	0	351		8:00-8:15
8:15-8:30	0	232	0	232	0	0	0	0	1	93	0	94	0	0	0	0	326	0	326		8:15-8:30
8:30-8:45	0	282	0	282	0	0	0	0	2	86	0	88	0	0	0	0	370	0	370		8:30-8:45
8:45-9:00	0	273	0	273	0	0	0	0	2	103	0	105	0	0	0	0	378	0	378		8:45-9:00
3 Hour Totals	0	2,113	0	2,113	1	0	0	1	9	773	0	782	0	0	0	0	2,895	1	2,896		
1 Hour Totals																					
6:00-7:00	0	374	0	374	1	0	0	1	1	136	0	137	0	0	0	0	511	1	512	0.74	6:00-7:00
6:15-7:15	0	440	0	440	1	0	0	1	2	166	0	168	0	0	0	0	608	1	609	0.81	6:15-7:15
6:30-7:30	0	512	0	512	0	0	0	0	1	212	0	213	0	0	0	0	725	0	725	0.82	6:30-7:30
6:45-7:45	0	606	0	606	0	0	0	0	1	242	0	243	0	0	0	0	849	0	849	0.79	6:45-7:45
7:00-8:00	0	692	0	692	0	0	0	0	2	265	0	267	0	0	0	0	959	0	959	0.85	7:00-8:00
7:15-8:15	0	819	0	819	0	0	0	0	2	300	0	302	0	0	0	0	1,121	0	1,121	0.80	7:15-8:15
7:30-8:30	0	899	0	899	0	0	0	0	3	325	0	328	0	0	0	0	1,227	0	1,227	0.87	7:30-8:30
7:45-8:45	0	984	0	984	0	0	0	0	5	341	0	346	0	0	0	0	1,330	0	1,330	0.90	7:45-8:45
8:00-9:00	0	1,047	0	1,047	0	0	0	0	6	372	0	378	0	0	0	0	1,425	0	1,425	0.94	8:00-9:00
AM Peak 8:00-9:00	0	1,047	0	1,047	0	0	0	0	6	372	0	378	0	0	0	0	1,425	0	1,425	0.94	AM Peak 8:00-9:00
PM																					
4:00-4:15	0	158	0	158	0	0	0	0	2	157	0	159	0	0	0	0	317	0	317		4:00-4:15
4:15-4:30	0	123	0	123	0	0	0	0	1	172	0	173	0	0	0	0	296	0	296		4:15-4:30
4:30-4:45	0	131	0	131	2	0	0	2	1	160	0	161	0	0	0	0	292	2	294		4:30-4:45
4:45-5:00	0	158	0	158	1	0	0	1	0	174	0	174	0	0	0	0	332	1	333		4:45-5:00
5:00-5:15	0	145	0	145	0	0	0	0	0	217	0	217	0	0	0	0	362	0	362		5:00-5:15
5:15-5:30	0	140	0	140	0	0	0	0	2	215	0	217	0	0	0	0	357	0	357		5:15-5:30
5:30-5:45	0	134	0	134	0	0	0	0	0	244	0	244	0	0	0	0	378	0	378		5:30-5:45
5:45-6:00	0	154	0	154	1	0	0	1	1	271	0	272	0	0	0	0	426	1	427		5:45-6:00
6:00-6:15	0	126	0	126	0	0	0	0	1	206	0	207	0	0	0	0	333	0	333		6:00-6:15
6:15-6:30	0	124	0	124	0	0	0	0	1	198	0	199	0	0	0	0	323	0	323		6:15-6:30
6:30-6:45	0	100	0	100	0	0	0	0	2	158	0	160	0	0	0	0	260	0	260		6:30-6:45
6:45-7:00	0	100	0	100	0	0	0	0	0	155	0	155	0	0	0	0	255	0	255		6:45-7:00
3 Hour Totals	0	1,593	0	1,593	4	0	0	4	11	2,327	0	2,338	0	0	0	0	3,931	4	3,935		
1 Hour Totals																					
4:00-5:00	0	570	0	570	3	0	0	3	4	663	0	667	0	0	0	0	1,237	3	1,240	0.93	4:00-5:00
4:15-5:15	0	557	0	557	3	0	0	3	2	723	0	725	0	0	0	0	1,282	3	1,285	0.89	4:15-5:15
4:30-5:30	0	574	0	574	3	0	0	3	3	766	0	769	0	0	0	0	1,343	3	1,346	0.93	4:30-5:30
4:45-5:45	0	577	0	577	1	0	0	1	2	850	0	852	0	0	0	0	1,429	1	1,430	0.95	4:45-5:45
5:00-6:00	0	573	0	573	1	0	0	1	3	947	0	950	0	0	0	0	1,523	1	1,524	0.89	5:00-6:00
5:15-6:15	0	554	0	554	1	0	0	1	4	936	0	940	0	0	0	0	1,494	1	1,495	0.88	5:15-6:15
5:30-6:30	0	538	0	538	1	0	0	1	3	919	0	922	0	0	0	0	1,460	1	1,461	0.86	5:30-6:30
5:45-6:45	0	504	0	504	1	0	0	1	5	833	0	838	0	0	0	0	1,342	1	1,343	0.79	5:45-6:45
6:00-7:00	0	450	0	450	0	0	0	0	4	717	0	721	0	0	0	0	1,171	0	1,171	0.88	6:00-7:00
PM Peak 5:00-6:00	0	573	0	573	1	0	0	1	3	947	0	950	0	0	0	0	1,523	1	1,524	0.89	PM Peak 5:00-6:00

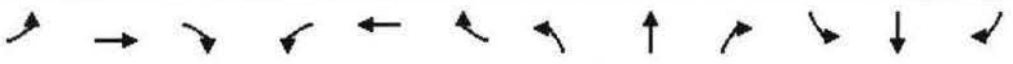
Appendix B
Existing Levels of Service

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL2	NBL	NBR	SEL	SER	SER2
Lane Configurations												
Sign Control		Stop			Stop			Stop		Stop		
Volume (vph)	11	33	6	28	27	241	10	170	15	163	152	29
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)	12	36	7	30	29	262	11	185	16	177	165	32
Direction, Lane #	EB 1	WB 1	NB 1	SE 1	SE 2							
Volume Total (vph)	54	322	212	177	197							
Volume Left (vph)	12	30	11	177	0							
Volume Right (vph)	7	262	16	0	32							
Hadj (s)	0.01	-0.44	0.00	0.53	-0.08							
Departure Headway (s)	6.0	5.1	5.6	6.4	5.8							
Degree Utilization, x	0.09	0.46	0.33	0.31	0.31							
Capacity (veh/h)	517	661	590	537	594							
Control Delay (s)	9.6	12.3	11.3	11.1	10.2							
Approach Delay (s)	9.6	12.3	11.3	10.6								
Approach LOS	A	B	B	B								
Intersection Summary												
Delay			11.3									
HCM Level of Service			B									
Intersection Capacity Utilization			49.8%			ICU Level of Service			A			
Analysis Period (min)			15									

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL2	NBL	NBR	SEL	SER	SER2
Lane Configurations												
Sign Control		Stop			Stop			Stop		Stop		
Volume (vph)	13	10	2	1	13	182	10	216	6	275	157	9
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)	14	11	2	1	14	198	11	235	7	299	171	10
Direction, Lane #	EB 1	WB 1	NB 1	SE 1	SE 2							
Volume Total (vph)	27	213	252	299	180							
Volume Left (vph)	14	1	11	299	0							
Volume Right (vph)	2	198	7	0	10							
Hadj (s)	0.09	-0.52	0.03	0.53	0.00							
Departure Headway (s)	6.2	5.2	5.3	6.0	5.5							
Degree Utilization, x	0.05	0.31	0.37	0.50	0.27							
Capacity (veh/h)	501	634	645	582	638							
Control Delay (s)	9.5	10.5	11.5	13.7	9.3							
Approach Delay (s)	9.5	10.5	11.5	12.0								
Approach LOS	A	B	B	B								
Intersection Summary												
Delay			11.5									
HCM Level of Service			B									
Intersection Capacity Utilization			50.1%	ICU Level of Service		A						
Analysis Period (min)			15									

2005 Existing Conditions
12: Barry Place & Sherman Street

AM Peak Period
12/21/2005

												
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	4.0
Lane Util. Factor		1.00			1.00			0.95			0.95	1.00
Frt		1.00			0.97			0.98			1.00	0.85
Flt Protected		0.98			1.00			1.00			1.00	1.00
Satd. Flow (prot)		1823			1806			3481			3528	1583
Flt Permitted		0.80			0.99			0.81			0.81	1.00
Satd. Flow (perm)		1499			1790			2815			2867	1583
Volume (vph)	90	120	1	7	131	37	2	327	40	71	1078	163
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)	98	130	1	8	142	40	2	355	43	77	1172	177
RTOR Reduction (vph)	0	0	0	0	10	0	0	9	0	0	0	107
Lane Group Flow (vph)	0	229	0	0	180	0	0	391	0	0	1249	70
Turn Type	Perm			Perm			Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		6
Actuated Green, G (s)		65.0			65.0			25.0			25.0	25.0
Effective Green, g (s)		66.0			66.0			26.0			26.0	26.0
Actuated g/C Ratio		0.66			0.66			0.26			0.26	0.26
Clearance Time (s)		5.0			5.0			5.0			5.0	5.0
Lane Grp Cap (vph)		989			1181			732			745	412
v/s Ratio Prot												
v/s Ratio Perm		c0.15			0.10			0.14			c0.44	0.04
v/c Ratio		0.23			0.15			0.53			1.68	0.17
Uniform Delay, d1		6.8			6.4			31.8			37.0	28.7
Progression Factor		1.00			1.00			1.51			1.00	1.00
Incremental Delay, d2		0.5			0.3			2.6			310.3	0.9
Delay (s)		7.4			6.7			50.6			347.3	29.6
Level of Service		A			A			D			F	C
Approach Delay (s)		7.4			6.7			50.6			307.9	
Approach LOS		A			A			D			F	

Intersection Summary

HCM Average Control Delay	205.9	HCM Level of Service	F
HCM Volume to Capacity ratio	0.64		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	76.5%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

												
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	4.0
Lane Util. Factor		1.00			1.00			0.95			0.95	1.00
Frt		1.00			0.96			1.00			1.00	0.85
Flt Protected		0.98			0.99			1.00			1.00	1.00
Satd. Flow (prot)		1822			1770			3524			3522	1583
Flt Permitted		0.80			0.94			0.95			0.52	1.00
Satd. Flow (perm)		1483			1677			3345			1853	1583
Volume (vph)	119	167	5	23	99	59	8	960	26	51	478	89
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)	129	182	5	25	108	64	9	1043	28	55	520	97
RTOR Reduction (vph)	0	1	0	0	1	0	0	2	0	0	0	72
Lane Group Flow (vph)	0	315	0	0	196	0	0	1078	0	0	575	25
Turn Type	Perm			Perm			Perm			Perm		Perm
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		6
Actuated Green, G (s)		65.0			65.0			25.0			25.0	25.0
Effective Green, g (s)		66.0			66.0			26.0			26.0	26.0
Actuated g/C Ratio		0.66			0.66			0.26			0.26	0.26
Clearance Time (s)		5.0			5.0			5.0			5.0	5.0
Lane Grp Cap (vph)		979			1107			870			482	412
v/s Ratio Prot												
v/s Ratio Perm		c0.21			0.12			c0.32			0.31	0.02
v/c Ratio		0.32			0.18			1.24			1.19	0.06
Uniform Delay, d1		7.3			6.5			37.0			37.0	27.8
Progression Factor		1.00			1.00			1.48			1.00	1.00
Incremental Delay, d2		0.9			0.3			114.7			105.8	0.3
Delay (s)		8.2			6.9			169.5			142.8	28.1
Level of Service		A			A			F			F	C
Approach Delay (s)		8.2			6.9			169.5			126.2	
Approach LOS		A			A			F			F	

Intersection Summary

HCM Average Control Delay	120.0	HCM Level of Service	F
HCM Volume to Capacity ratio	0.58		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	81.4%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

2005 Existing Conditions
9: Barry Place & 9th Street

AM Peak Period
12/21/2005

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↰			↱					↰		↱
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	15	216	0	0	164	39	0	0	0	17	0	11
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)	16	235	0	0	178	42	0	0	0	18	0	12
Direction, Lane #	EB 1	WB 1	SB 1	SB 2								
Volume Total (vph)	251	221	18	12								
Volume Left (vph)	16	0	18	0								
Volume Right (vph)	0	42	0	12								
Hadj (s)	0.05	-0.08	0.53	-0.67								
Departure Headway (s)	4.3	4.2	6.1	4.8								
Degree Utilization, x	0.30	0.25	0.03	0.02								
Capacity (veh/h)	832	841	549	674								
Control Delay (s)	9.0	8.6	8.0	6.7								
Approach Delay (s)	9.0	8.6	7.5									
Approach LOS	A	A	A									
Intersection Summary												
Delay			8.7									
HCM Level of Service			A									
Intersection Capacity Utilization			33.7%	ICU Level of Service						A		
Analysis Period (min)			15									

2005 Existing Conditions
9: Barry Place & 9th Street

PM Peak Period
12/21/2005

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	20	224	0	0	146	52	0	0	0	34	0	35
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)	22	243	0	0	159	57	0	0	0	37	0	38
Direction, Lane #	EB 1	WB 1	SB 1	SB 2								
Volume Total (vph)	265	215	37	38								
Volume Left (vph)	22	0	37	0								
Volume Right (vph)	0	57	0	38								
Hadj (s)	0.05	-0.12	0.53	-0.67								
Departure Headway (s)	4.4	4.3	6.1	4.9								
Degree Utilization, x	0.32	0.26	0.06	0.05								
Capacity (veh/h)	803	812	547	671								
Control Delay (s)	9.5	8.7	8.3	7.0								
Approach Delay (s)	9.5	8.7	7.6									
Approach LOS	A	A	A									

Intersection Summary

Delay	8.9		
HCM Level of Service	A		
Intersection Capacity Utilization	37.1%	ICU Level of Service	A
Analysis Period (min)	15		

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↶			↷	↶	↷
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	150	33	10	157	46	38
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	163	36	11	171	50	41
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage veh						
Upstream signal (ft)				282		
pX, platoon unblocked						
vC, conflicting volume			199		373	181
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			199		373	181
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			99		92	95
cM capacity (veh/h)			1373		623	862
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	199	182	91			
Volume Left	0	11	50			
Volume Right	36	0	41			
cSH	1700	1373	712			
Volume to Capacity	0.12	0.01	0.13			
Queue Length 95th (ft)	0	1	11			
Control Delay (s)	0.0	0.5	10.8			
Lane LOS		A	B			
Approach Delay (s)	0.0	0.5	10.8			
Approach LOS			B			
Intersection Summary						
Average Delay			2.3			
Intersection Capacity Utilization			28.0%	ICU Level of Service	A	
Analysis Period (min)			15			

						
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	191	67	13	175	23	84
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	208	73	14	190	25	91
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)				282		
pX, platoon unblocked						
vC, conflicting volume			280		462	244
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			280		462	244
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			99		95	89
cM capacity (veh/h)			1282		551	795
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	280	204	116			
Volume Left	0	14	25			
Volume Right	73	0	91			
cSH	1700	1282	726			
Volume to Capacity	0.16	0.01	0.16			
Queue Length 95th (ft)	0	1	14			
Control Delay (s)	0.0	0.6	10.9			
Lane LOS		A	B			
Approach Delay (s)	0.0	0.6	10.9			
Approach LOS			B			
Intersection Summary						
Average Delay			2.3			
Intersection Capacity Utilization			33.0%	ICU Level of Service	A	
Analysis Period (min)			15			

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	YT			↑↑	↑↑	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0			4.0	4.0	
Lane Util. Factor	1.00			0.95	0.95	
Frt	0.93			1.00	0.99	
Flt Protected	0.98			0.99	1.00	
Satd. Flow (prot)	1695			3512	3516	
Flt Permitted	0.98			0.56	1.00	
Satd. Flow (perm)	1695			1990	3516	
Volume (vph)	94	94	94	511	1347	63
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	102	102	102	555	1464	68
RTOR Reduction (vph)	36	0	0	0	3	0
Lane Group Flow (vph)	168	0	0	657	1529	0
Turn Type			D.P+P			
Protected Phases	4		3	2 3	2	
Permitted Phases			2			
Actuated Green, G (s)	14.0			74.0	54.0	
Effective Green, g (s)	14.0			74.0	54.0	
Actuated g/C Ratio	0.14			0.74	0.54	
Clearance Time (s)	4.0				4.0	
Lane Grp Cap (vph)	237			1777	1899	
v/s Ratio Prot	c0.10			c0.07	c0.43	
v/s Ratio Perm				0.20		
v/c Ratio	0.71			0.37	0.81	
Uniform Delay, d1	41.1			4.7	18.7	
Progression Factor	1.00			1.00	1.00	
Incremental Delay, d2	16.4			0.6	3.8	
Delay (s)	57.4			5.2	22.5	
Level of Service	E			A	C	
Approach Delay (s)	57.4			5.2	22.5	
Approach LOS	E			A	C	
Intersection Summary						
HCM Average Control Delay			20.7		HCM Level of Service	C
HCM Volume to Capacity ratio			0.69			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			77.1%		ICU Level of Service	D
Analysis Period (min)			15			
c Critical Lane Group						

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	YY			↑↑	↑↑	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0			4.0	4.0	
Lane Util. Factor	1.00			0.95	0.95	
Frt	0.95			1.00	0.99	
Flt Protected	0.97			1.00	1.00	
Satd. Flow (prot)	1714			3526	3489	
Flt Permitted	0.97			0.68	1.00	
Satd. Flow (perm)	1714			2420	3489	
Volume (vph)	170	105	64	780	1190	124
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	185	114	70	848	1293	135
RTOR Reduction (vph)	22	0	0	0	8	0
Lane Group Flow (vph)	277	0	0	918	1420	0
Turn Type		D.P+P				
Protected Phases	4		3	2 3	2	
Permitted Phases			2			
Actuated Green, G (s)	14.0			74.0	54.0	
Effective Green, g (s)	14.0			74.0	54.0	
Actuated g/C Ratio	0.14			0.74	0.54	
Clearance Time (s)	4.0				4.0	
Lane Grp Cap (vph)	240			2012	1884	
v/s Ratio Prot	c0.16			c0.09	c0.41	
v/s Ratio Perm				0.25		
v/c Ratio	1.15			0.46	0.75	
Uniform Delay, d1	43.0			5.1	17.8	
Progression Factor	1.00			1.00	1.00	
Incremental Delay, d2	105.6			0.7	2.9	
Delay (s)	148.6			5.9	20.7	
Level of Service	F			A	C	
Approach Delay (s)	148.6			5.9	20.7	
Approach LOS	F			A	C	

Intersection Summary			
HCM Average Control Delay	30.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.75		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	86.1%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

	↑	↗	↘	↓	↙	↖
Movement	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations	↑			↑	↗	↖
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0			4.0	4.0	4.0
Lane Util. Factor	1.00			1.00	1.00	1.00
Frt	1.00			1.00	1.00	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	1863			1863	1770	1583
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	1863			1863	1770	1583
Volume (vph)	195	0	0	186	1081	5
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	212	0	0	202	1175	5
RTOR Reduction (vph)	0	0	0	0	0	2
Lane Group Flow (vph)	212	0	0	202	1175	3
Turn Type					Perm	
Protected Phases	2			6	8	
Permitted Phases						8
Actuated Green, G (s)	32.0			32.0	60.0	60.0
Effective Green, g (s)	32.0			32.0	60.0	60.0
Actuated g/C Ratio	0.32			0.32	0.60	0.60
Clearance Time (s)	4.0			4.0	4.0	4.0
Lane Grp Cap (vph)	596			596	1062	950
v/s Ratio Prot	c0.11			0.11	c0.66	
v/s Ratio Perm						0.00
v/c Ratio	0.36			0.34	1.11	0.00
Uniform Delay, d1	26.1			25.9	20.0	8.0
Progression Factor	1.52			1.00	2.30	2.64
Incremental Delay, d2	1.6			1.5	49.4	0.0
Delay (s)	41.3			27.5	95.5	21.1
Level of Service	D			C	F	C
Approach Delay (s)	41.3			27.5	95.2	
Approach LOS	D			C	F	

Intersection Summary

HCM Average Control Delay	79.4	HCM Level of Service	E
HCM Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	76.8%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

	↑	↗	↘	↓	↙	↖
Movement	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations	↑			↑	↗	↖
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0			4.0	4.0	4.0
Lane Util. Factor	1.00			1.00	1.00	1.00
Flt	1.00			1.00	1.00	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	1863			1863	1770	1583
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	1863			1863	1770	1583
Volume (vph)	232	0	0	160	506	5
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	252	0	0	174	550	5
RTOR Reduction (vph)	0	0	0	0	0	2
Lane Group Flow (vph)	252	0	0	174	550	3
Turn Type					Perm	
Protected Phases	2			6	8	
Permitted Phases						8
Actuated Green, G (s)	32.0			32.0	60.0	60.0
Effective Green, g (s)	32.0			32.0	60.0	60.0
Actuated g/C Ratio	0.32			0.32	0.60	0.60
Clearance Time (s)	4.0			4.0	4.0	4.0
Lane Grp Cap (vph)	596			596	1062	950
v/s Ratio Prot	c0.14			0.09	c0.31	
v/s Ratio Perm						0.00
v/c Ratio	0.42			0.29	0.52	0.00
Uniform Delay, d1	26.7			25.5	11.6	8.0
Progression Factor	1.65			1.00	2.55	2.70
Incremental Delay, d2	1.6			1.2	0.2	0.0
Delay (s)	45.7			26.7	29.7	21.6
Level of Service	D			C	C	C
Approach Delay (s)	45.7			26.7	29.6	
Approach LOS	D			C	C	

Intersection Summary

HCM Average Control Delay	33.3	HCM Level of Service	C
HCM Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	46.9%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

Atlantic North
Washington, D.C.
Wells & Associates, LLC

												
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			0.95	
Frt								0.98			1.00	
Flt Protected								1.00			0.99	
Satd. Flow (prot)								3482			3473	
Flt Permitted								1.00			0.53	
Satd. Flow (perm)								3482			1871	
Volume (vph)	0	0	0	0	0	0	0	844	102	382	875	38
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	0	0	0	917	111	415	951	41
RTOR Reduction (vph)	0	0	0	0	0	0	0	11	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	0	0	1017	0	0	1407	0
Turn Type										Prot		
Protected Phases								2		1	1	2
Permitted Phases												
Actuated Green, G (s)								46.0			72.0	
Effective Green, g (s)								46.0			72.0	
Actuated g/C Ratio								0.57			0.90	
Clearance Time (s)								4.0				
Lane Grp Cap (vph)								2002			2205	
v/s Ratio Prot								0.29			c0.21	
v/s Ratio Perm											c0.37	
v/c Ratio								0.51			0.64	
Uniform Delay, d1								10.2			0.9	
Progression Factor								1.00			1.00	
Incremental Delay, d2								0.9			1.4	
Delay (s)								11.1			2.4	
Level of Service								B			A	
Approach Delay (s)		0.0			0.0			11.1			2.4	
Approach LOS		A			A			B			A	

Intersection Summary

HCM Average Control Delay	6.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.64		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	69.7%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	12	0	115	3	0	2	0	552	5	1	1267	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)	13	0	125	3	0	2	0	600	5	1	1377	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)											318	
pX, platoon unblocked												
vC, conflicting volume	1984	1985	689	1418	1982	603	1377			605		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1984	1985	689	1418	1982	603	1377			605		
tC, single (s)	7.5	6.5	6.9	7.5	6.5	6.9	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	64	100	68	95	100	100	100			100		
cM capacity (veh/h)	36	60	388	66	61	442	494			969		

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	NB 1	SB 1	SB 2
Volume Total	13	125	4	1	605	460	918
Volume Left	13	0	3	0	0	1	0
Volume Right	0	125	1	1	5	0	0
cSH	36	388	78	442	1700	969	1700
Volume to Capacity	0.36	0.32	0.05	0.00	0.36	0.00	0.54
Queue Length 95th (ft)	30	34	4	0	0	0	0
Control Delay (s)	153.0	18.6	53.8	13.2	0.0	0.0	0.0
Lane LOS	F	C	F	B		A	
Approach Delay (s)	31.3		43.0		0.0	0.0	
Approach LOS	D		E				

Intersection Summary

Average Delay	2.1						
Intersection Capacity Utilization	55.5%			ICU Level of Service		B	
Analysis Period (min)	15						

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	44	0	175	0	0	0	0	1182	6	0	666	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)	48	0	190	0	0	0	0	1285	7	0	724	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)											318	
pX, platoon unblocked												
vC, conflicting volume	2012	2015	362	1840	2012	1288	724			1291		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	2012	2015	362	1840	2012	1288	724			1291		
tC, single (s)	7.5	6.5	6.9	7.5	6.5	6.9	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	0	100	70	100	100	100	100			100		
cM capacity (veh/h)	35	58	635	33	58	155	874			533		

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	NB 1	SB 1	SB 2
Volume Total	48	190	0	0	1291	241	483
Volume Left	48	0	0	0	0	0	0
Volume Right	0	190	0	0	7	0	0
cSH	35	635	1700	1700	1700	533	1700
Volume to Capacity	1.38	0.30	0.00	0.00	0.76	0.00	0.28
Queue Length 95th (ft)	129	31	0	0	0	0	0
Control Delay (s)	463.8	13.1	0.0	0.0	0.0	0.0	0.0
Lane LOS	F	B	A	A			
Approach Delay (s)	103.6		0.0		0.0	0.0	
Approach LOS	F		A				

Intersection Summary

Average Delay	10.9						
Intersection Capacity Utilization	72.6%		ICU Level of Service		C		
Analysis Period (min)	15						

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0			4.0
Lane Util. Factor	1.00		0.95			0.95
Frt	0.92		1.00			1.00
Flt Protected	0.98		1.00			1.00
Satd. Flow (prot)	1680		3539			3539
Flt Permitted	0.98		1.00			1.00
Satd. Flow (perm)	1680		3539			3539
Volume (vph)	154	220	459	0	0	1157
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	167	239	499	0	0	1258
RTOR Reduction (vph)	51	0	0	0	0	0
Lane Group Flow (vph)	355	0	499	0	0	1258
Turn Type						
Protected Phases	3		2			2
Permitted Phases						
Actuated Green, G (s)	34.0		58.0			58.0
Effective Green, g (s)	34.0		58.0			58.0
Actuated g/C Ratio	0.34		0.58			0.58
Clearance Time (s)	4.0		4.0			4.0
Lane Grp Cap (vph)	571		2053			2053
v/s Ratio Prot	c0.21		0.14			c0.36
v/s Ratio Perm						
v/c Ratio	0.62		0.24			0.61
Uniform Delay, d1	27.6		10.3			13.7
Progression Factor	1.00		0.83			1.00
Incremental Delay, d2	5.0		0.3			1.4
Delay (s)	32.6		8.8			15.1
Level of Service	C		A			B
Approach Delay (s)	32.6		8.8			15.1
Approach LOS	C		A			B

Intersection Summary

HCM Average Control Delay	16.9	HCM Level of Service	B
HCM Volume to Capacity ratio	0.62		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	60.7%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↰		↗↗			↗↗
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0			4.0
Lane Util. Factor	1.00		0.95			0.95
Frt	0.92		1.00			1.00
Flt Protected	0.98		1.00			1.00
Satd. Flow (prot)	1681		3539			3539
Flt Permitted	0.98		1.00			1.00
Satd. Flow (perm)	1681		3539			3539
Volume (vph)	141	200	746	0	0	837
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	153	217	811	0	0	910
RTOR Reduction (vph)	51	0	0	0	0	0
Lane Group Flow (vph)	319	0	811	0	0	910
Turn Type						
Protected Phases	3		2			2
Permitted Phases						
Actuated Green, G (s)	34.0		58.0			58.0
Effective Green, g (s)	34.0		58.0			58.0
Actuated g/C Ratio	0.34		0.58			0.58
Clearance Time (s)	4.0		4.0			4.0
Lane Grp Cap (vph)	572		2053			2053
v/s Ratio Prot	c0.19		0.23			c0.26
v/s Ratio Perm						
v/c Ratio	0.56		0.40			0.44
Uniform Delay, d1	26.9		11.4			11.9
Progression Factor	1.00		0.77			1.00
Incremental Delay, d2	3.9		0.5			0.7
Delay (s)	30.8		9.3			12.6
Level of Service	C		A			B
Approach Delay (s)	30.8		9.3			12.6
Approach LOS	C		A			B
Intersection Summary						
HCM Average Control Delay			14.5		HCM Level of Service	B
HCM Volume to Capacity ratio			0.49			
Actuated Cycle Length (s)			100.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			49.9%		ICU Level of Service	A
Analysis Period (min)			15			
c Critical Lane Group						

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	24	77	7	15	145	29	11	44	29	15	16	17
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)	26	84	8	16	158	32	12	48	32	16	17	18
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)					307							
pX, platoon unblocked												
vC, conflicting volume	189			91			373	361	88	401	349	173
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	189			91			373	361	88	401	349	173
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	98			99			98	91	97	97	97	98
cM capacity (veh/h)	1385			1504			546	549	971	494	558	870
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	117	205	91	52								
Volume Left	26	16	12	16								
Volume Right	8	32	32	18								
cSH	1385	1504	645	611								
Volume to Capacity	0.02	0.01	0.14	0.09								
Queue Length 95th (ft)	1	1	12	7								
Control Delay (s)	1.8	0.7	11.5	11.4								
Lane LOS	A	A	B	B								
Approach Delay (s)	1.8	0.7	11.5	11.4								
Approach LOS			B	B								

Intersection Summary

Average Delay	4.3			
Intersection Capacity Utilization	23.7%	ICU Level of Service	A	
Analysis Period (min)	15			

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	9	100	10	19	198	72	24	27	45	33	27	32
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)	10	109	11	21	215	78	26	29	49	36	29	35
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)					304							
pX, platoon unblocked	0.97						0.97	0.97		0.97	0.97	0.97
vC, conflicting volume	293			120			479	468	114	493	435	254
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	272			120			463	452	114	477	417	231
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			99			94	94	95	92	94	96
cM capacity (veh/h)	1253			1468			444	477	938	429	499	784
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	129	314	104	100								
Volume Left	10	21	26	36								
Volume Right	11	78	49	35								
cSH	1253	1468	605	536								
Volume to Capacity	0.01	0.01	0.17	0.19								
Queue Length 95th (ft)	1	1	15	17								
Control Delay (s)	0.7	0.6	12.2	13.3								
Lane LOS	A	A	B	B								
Approach Delay (s)	0.7	0.6	12.2	13.3								
Approach LOS			B	B								

Intersection Summary

Average Delay	4.4			
Intersection Capacity Utilization	34.7%	ICU Level of Service	A	
Analysis Period (min)	15			

												
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		4.0	4.0	
Lane Util. Factor		0.95			0.95	1.00		0.95		1.00	0.95	
Frt		0.98			1.00	0.85		1.00		1.00	1.00	
Flt Protected		1.00			1.00	1.00		0.99		0.95	1.00	
Satd. Flow (prot)		3458			3539	1583		3501		1770	3524	
Flt Permitted		1.00			1.00	1.00		0.64		0.36	1.00	
Satd. Flow (perm)		3458			3539	1583		2273		676	3524	
Volume (vph)	0	542	98	0	837	147	67	352	8	248	1072	32
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	589	107	0	910	160	73	383	9	270	1165	35
RTOR Reduction (vph)	0	15	0	0	0	94	0	1	0	0	2	0
Lane Group Flow (vph)	0	681	0	0	910	66	0	464	0	270	1198	0
Turn Type						Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases						8	2			6		
Actuated Green, G (s)		41.0			41.0	41.0		36.0		51.0	51.0	
Effective Green, g (s)		41.0			41.0	41.0		36.0		51.0	51.0	
Actuated g/C Ratio		0.41			0.41	0.41		0.36		0.51	0.51	
Clearance Time (s)		4.0			4.0	4.0		4.0		4.0	4.0	
Lane Grp Cap (vph)		1418			1451	649		818		465	1797	
v/s Ratio Prot		0.20			c0.26					0.06	c0.34	
v/s Ratio Perm						0.04		0.20		0.23		
v/c Ratio		0.48			0.63	0.10		0.57		0.58	0.67	
Uniform Delay, d1		21.7			23.4	18.2		25.7		14.9	18.2	
Progression Factor		1.00			1.00	1.00		1.00		0.54	0.60	
Incremental Delay, d2		1.2			2.1	0.3		2.8		2.5	0.9	
Delay (s)		22.8			25.5	18.5		28.6		10.5	11.8	
Level of Service		C			C	B		C		B	B	
Approach Delay (s)		22.8			24.4			28.6			11.6	
Approach LOS		C			C			C			B	

Intersection Summary

HCM Average Control Delay	19.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	75.7%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

												
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		4.0	4.0	
Lane Util. Factor		0.95			0.95	1.00		0.95		1.00	0.95	
Frt		0.98			1.00	0.85		1.00		1.00	0.99	
Flt Protected		1.00			1.00	1.00		1.00		0.95	1.00	
Satd. Flow (prot)		3470			3539	1583		3525		1770	3509	
Flt Permitted		1.00			1.00	1.00		0.88		0.10	1.00	
Satd. Flow (perm)		3470			3539	1583		3099		186	3509	
Volume (vph)	0	750	113	0	690	174	49	890	9	251	573	35
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	815	123	0	750	189	53	967	10	273	623	38
RTOR Reduction (vph)	0	12	0	0	0	112	0	1	0	0	4	0
Lane Group Flow (vph)	0	926	0	0	750	77	0	1029	0	273	657	0
Turn Type						Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases						8	2			6		
Actuated Green, G (s)		41.0			41.0	41.0		36.0		51.0	51.0	
Effective Green, g (s)		41.0			41.0	41.0		36.0		51.0	51.0	
Actuated g/C Ratio		0.41			0.41	0.41		0.36		0.51	0.51	
Clearance Time (s)		4.0			4.0	4.0		4.0		4.0	4.0	
Lane Grp Cap (vph)		1423			1451	649		1116		269	1790	
v/s Ratio Prot		c0.27			0.21					c0.11	0.19	
v/s Ratio Perm						0.05		0.33		c0.41		
v/c Ratio		0.65			0.52	0.12		0.92		1.01	0.37	
Uniform Delay, d1		23.7			22.1	18.3		30.7		27.7	14.8	
Progression Factor		1.00			1.00	1.00		1.00		0.85	0.92	
Incremental Delay, d2		2.3			1.3	0.4		13.8		57.7	0.6	
Delay (s)		26.1			23.4	18.7		44.4		81.3	14.2	
Level of Service		C			C	B		D		F	B	
Approach Delay (s)		26.1			22.5			44.4			33.8	
Approach LOS		C			C			D			C	

Intersection Summary

HCM Average Control Delay	32.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.84		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	77.6%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	31	739	28	17	966	36	9	15	3	8	20	9
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)	34	803	30	18	1050	39	10	16	3	9	22	10
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)		301										
pX, platoon unblocked				0.87			0.87	0.87	0.87	0.87	0.87	
vC, conflicting volume	1089			834			1293	2012	417	1587	2008	370
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1089			658			1187	2014	179	1525	2009	370
tC, single (s)	4.1			4.1			7.5	6.5	6.9	7.5	6.5	6.9
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	95			98			87	65	100	82	54	98
cM capacity (veh/h)	636			804			74	47	724	48	47	628
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	NB 1	SB 1					
Volume Total	435	432	281	525	302	29	40					
Volume Left	34	0	18	0	0	10	9					
Volume Right	0	30	0	0	39	3	10					
cSH	636	1700	804	1700	1700	60	61					
Volume to Capacity	0.05	0.25	0.02	0.31	0.18	0.49	0.66					
Queue Length 95th (ft)	4	0	2	0	0	48	70					
Control Delay (s)	1.6	0.0	0.9	0.0	0.0	111.3	140.0					
Lane LOS	A		A			F	F					
Approach Delay (s)	0.8		0.2			111.3	140.0					
Approach LOS						F	F					

Intersection Summary

Average Delay	4.8						
Intersection Capacity Utilization	54.1%			ICU Level of Service		A	
Analysis Period (min)	15						

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	52	936	22	24	842	27	4	17	4	15	23	18
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)	57	1017	24	26	915	29	4	18	4	16	25	20
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)		301										
pX, platoon unblocked				0.79			0.79	0.79	0.79	0.79	0.79	
vC, conflicting volume	945			1041			1532	2139	521	1617	2136	320
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	945			793			1410	2175	137	1518	2172	320
tC, single (s)	4.1			4.1			7.5	6.5	6.9	7.5	6.5	6.9
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	92			96			83	43	99	50	23	97
cM capacity (veh/h)	722			654			26	32	704	32	32	676
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	NB 1	SB 1					
Volume Total	565	533	255	458	258	27	61					
Volume Left	57	0	26	0	0	4	16					
Volume Right	0	24	0	0	29	4	20					
cSH	722	1700	654	1700	1700	36	47					
Volume to Capacity	0.08	0.31	0.04	0.27	0.15	0.75	1.30					
Queue Length 95th (ft)	6	0	3	0	0	67	144					
Control Delay (s)	2.1	0.0	1.5	0.0	0.0	239.3	374.2					
Lane LOS	A		A			F	F					
Approach Delay (s)	1.1		0.4			239.3	374.2					
Approach LOS						F	F					

Intersection Summary

Average Delay	14.3						
Intersection Capacity Utilization	60.6%			ICU Level of Service		B	
Analysis Period (min)	15						

												
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			4.0	
Lane Util. Factor		1.00		1.00	1.00			0.95			0.95	
Flt		0.96		1.00	0.95			0.99			0.99	
Flt Protected		0.98		0.95	1.00			1.00			1.00	
Satd. Flow (prot)		1763		1770	1775			3502			3488	
Flt Permitted		0.87		0.59	1.00			0.78			0.93	
Satd. Flow (perm)		1570		1100	1775			2738			3240	
Volume (vph)	42	46	33	28	48	22	40	395	18	33	1023	101
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)	46	50	36	30	52	24	43	429	20	36	1112	110
RTOR Reduction (vph)	0	13	0	0	16	0	0	3	0	0	7	0
Lane Group Flow (vph)	0	119	0	30	60	0	0	489	0	0	1251	0
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		18.0		18.0	18.0			74.0			74.0	
Effective Green, g (s)		18.0		18.0	18.0			74.0			74.0	
Actuated g/C Ratio		0.18		0.18	0.18			0.74			0.74	
Clearance Time (s)		4.0		4.0	4.0			4.0			4.0	
Lane Grp Cap (vph)		283		198	320			2026			2398	
v/s Ratio Prot					0.03							
v/s Ratio Perm		c0.08		0.03				0.18			c0.39	
v/c Ratio		0.42		0.15	0.19			0.24			0.52	
Uniform Delay, d1		36.4		34.6	34.8			4.1			5.5	
Progression Factor		1.07		1.00	1.00			1.00			0.26	
Incremental Delay, d2		4.0		1.6	1.3			0.3			0.6	
Delay (s)		42.9		36.2	36.1			4.4			2.1	
Level of Service		D		D	D			A			A	
Approach Delay (s)		42.9			36.1			4.4			2.1	
Approach LOS		D			D			A			A	

Intersection Summary

HCM Average Control Delay	7.2	HCM Level of Service	A
HCM Volume to Capacity ratio	0.50		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	68.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			

												
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			4.0	
Lane Util. Factor		1.00		1.00	1.00			0.95			0.95	
Frt		0.96		1.00	0.96			1.00			0.98	
Flt Protected		0.99		0.95	1.00			0.99			1.00	
Satd. Flow (prot)		1762		1770	1781			3511			3472	
Flt Permitted		0.82		0.46	1.00			0.72			0.93	
Satd. Flow (perm)		1472		861	1781			2531			3240	
Volume (vph)	49	75	54	61	93	39	96	658	8	17	720	100
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)	53	82	59	66	101	42	104	715	9	18	783	109
RTOR Reduction (vph)	0	16	0	0	15	0	0	1	0	0	11	0
Lane Group Flow (vph)	0	178	0	66	128	0	0	827	0	0	899	0
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		18.0		18.0	18.0			74.0			74.0	
Effective Green, g (s)		18.0		18.0	18.0			74.0			74.0	
Actuated g/C Ratio		0.18		0.18	0.18			0.74			0.74	
Clearance Time (s)		4.0		4.0	4.0			4.0			4.0	
Lane Grp Cap (vph)		265		155	321			1873			2398	
v/s Ratio Prot					0.07							
v/s Ratio Perm		c0.12		0.08				c0.33			0.28	
v/c Ratio		0.67		0.43	0.40			0.44			0.38	
Uniform Delay, d1		38.3		36.4	36.2			5.0			4.7	
Progression Factor		0.91		1.00	1.00			1.00			0.38	
Incremental Delay, d2		12.8		8.3	3.7			0.8			0.4	
Delay (s)		47.5		44.8	39.9			5.8			2.2	
Level of Service		D		D	D			A			A	
Approach Delay (s)		47.5			41.4			5.8			2.2	
Approach LOS		D			D			A			A	

Intersection Summary

HCM Average Control Delay	11.5	HCM Level of Service	B
HCM Volume to Capacity ratio	0.49		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	75.4%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↰	↱			
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	0	0	369	6	0	1086
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	0	401	7	0	1180
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						309
pX, platoon unblocked						
vC, conflicting volume	1585	204			408	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1585	204			408	
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	100			100	
cM capacity (veh/h)	99	803			1148	

Direction, Lane #	WB 1	NB 1	NB 2
Volume Total	0	267	140
Volume Left	0	0	0
Volume Right	0	0	7
cSH	1700	1700	1700
Volume to Capacity	0.00	0.16	0.08
Queue Length 95th (ft)	0	0	0
Control Delay (s)	0.0	0.0	0.0
Lane LOS	A		
Approach Delay (s)	0.0	0.0	
Approach LOS	A		

Intersection Summary			
Average Delay		Err	
Intersection Capacity Utilization		Err%	ICU Level of Service
Analysis Period (min)		15	H



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↗	↕			
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	0	1	994	3	0	511
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	1	1080	3	0	555
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						309
pX, platoon unblocked						
vC, conflicting volume	1638	542			1084	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1638	542			1084	
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	100			100	
cM capacity (veh/h)	91	485			639	

Direction, Lane #	WB 1	NB 1	NB 2
Volume Total	1	720	363
Volume Left	0	0	0
Volume Right	1	0	3
cSH	485	1700	1700
Volume to Capacity	0.00	0.42	0.21
Queue Length 95th (ft)	0	0	0
Control Delay (s)	12.4	0.0	0.0
Lane LOS	B		
Approach Delay (s)	12.4	0.0	
Approach LOS	B		

Intersection Summary			
Average Delay		Err	
Intersection Capacity Utilization		Err%	ICU Level of Service
Analysis Period (min)		15	H

HCS2000: Unsignalized Intersections Release 4.1d

ALL-WAY STOP CONTROL(AWSC) ANALYSIS

Analyst: CFP
 Agency/Co.: Wells & Associates, LLC
 Date Performed: 12/22/2005
 Analysis Time Period: AM Peak Period
 Intersection: Florida/9th/V Streets
 Jurisdiction: Washington DC
 Units: U. S. Customary
 Analysis Year: Existing Conditions
 Project ID: 2799 Atlantic North
 East/West Street: 9th Street/V Street
 North/South Street: Florida/9th Street

Worksheet 2 - Volume Adjustments and Site Characteristics

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume	14	86	428	64	86	23	156	17	13	9	3	2
% Thrus Left Lane			55						45			

	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Configuration	LT	TR	LTR		LT	TR	LTR	
PHF	0.90	0.90	0.90		0.90	0.90	0.90	
Flow Rate	67	518	191		180	25	15	
% Heavy Veh	2	2	2		2	2	2	
No. Lanes		2		1		2		1
Opposing-Lanes		1		2		1		2
Conflicting-lanes		2		2		2		2
Geometry group		5		4b		5		4b
Duration, T	0.25 hrs.							

Worksheet 5 - Capacity and Level of Service

	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Flow Rate	67	518	191		180	25	15	
Service Time	3.4	2.6	3.7		4.7	3.8	4.7	
Utilization, x	0.11	0.71	0.32		0.35	0.04	0.03	
Dep. headway, hd	5.68	4.92	6.02		6.96	6.08	7.01	
Capacity	317	721	441		430	275	265	
Delay	9.05	18.63	11.51		13.32	9.04	9.92	
LOS	A	C	B		B	A	A	
Approach:								
Delay		17.53		11.51		12.80		9.92
LOS		C		B		B		A
Intersection Delay	15.29		Intersection LOS C					

HCS2000: Unsignalized Intersections Release 4.1d

ALL-WAY STOP CONTROL(AWSC) ANALYSIS

Analyst: CFP
 Agency/Co.: Wells & Associates, LLC
 Date Performed: 12/22/2005
 Analysis Time Period: PM Peak Period
 Intersection: Florida/9th/V Streets
 Jurisdiction: Washington DC
 Units: U. S. Customary
 Analysis Year: Existing Conditions
 Project ID: 2799 Atlantic North
 East/West Street: 9th Street/V Street
 North/South Street: Florida/9th Street

Worksheet 2 - Volume Adjustments and Site Characteristics

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume	1	79	254	88	146	20	346	14	12	28	10	4
% Thrus Left Lane			55						45			

	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Configuration	LT	TR	LTR		LT	TR	LTR	
PHF	0.90	0.90	0.90		0.90	0.90	0.90	
Flow Rate	48	322	281		390	21	46	
% Heavy Veh	2	2	2		2	2	2	
No. Lanes		2		1		2		1
Opposing-Lanes		1		2		1		2
Conflicting-lanes		2		2		2		2
Geometry group		5		4b		5		4b
Duration, T	0.25 hrs.							

Worksheet 5 - Capacity and Level of Service

	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Flow Rate	48	322	281		390	21	46	
Service Time	4.5	3.9	4.6		4.9	3.9	5.5	
Utilization, x	0.09	0.55	0.54		0.77	0.04	0.10	
Dep. headway, hd	6.84	6.20	6.94		7.15	6.22	7.83	
Capacity	298	554	496		492	271	296	
Delay	10.22	16.36	17.52		30.33	9.15	11.40	
LOS	B	C	C		D	A	B	
Approach:								
Delay		15.56		17.52		29.25		11.40
LOS		C		C		D		B
Intersection Delay	20.96		Intersection LOS C					