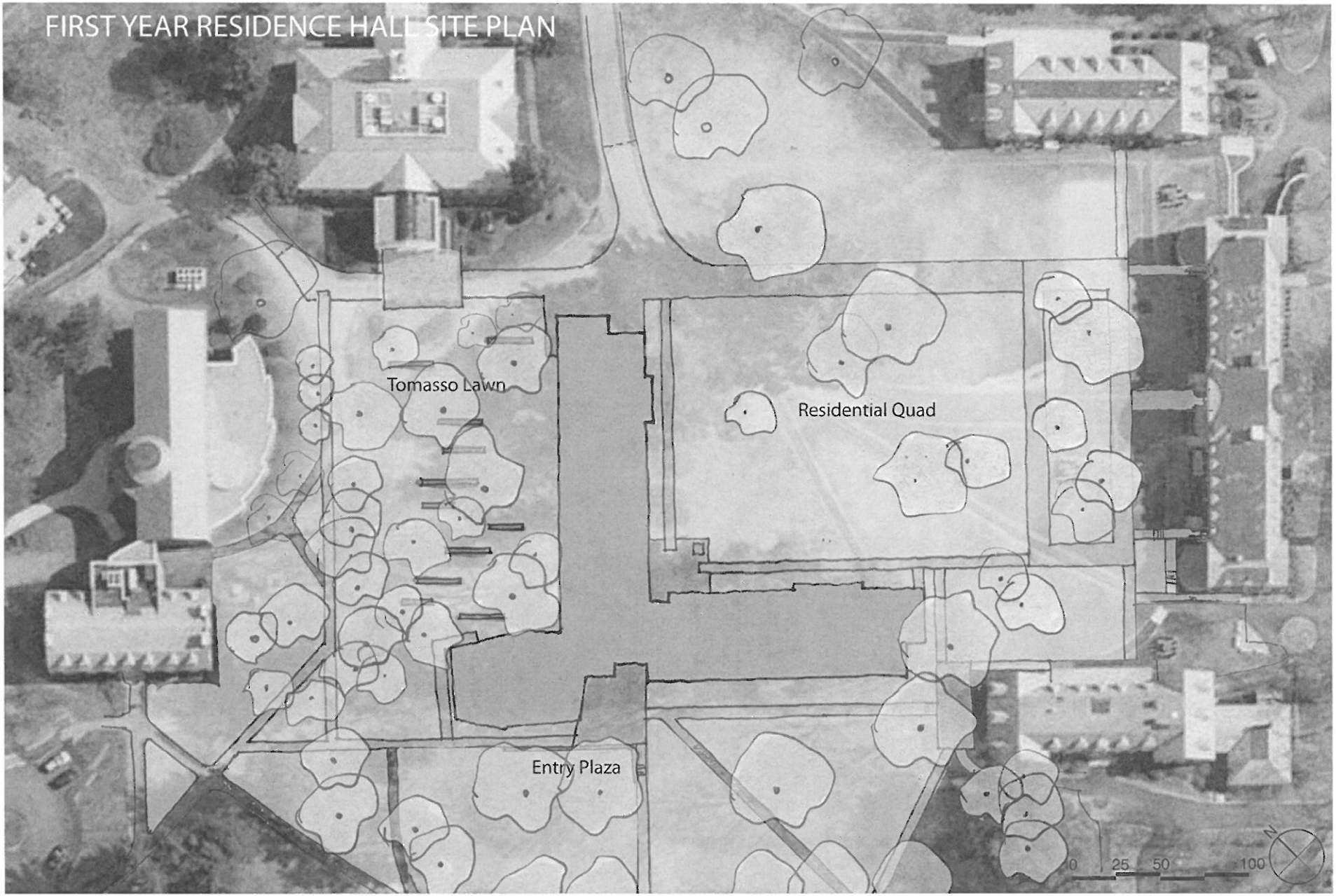
APPENDIX

Appendix A: Site Plan

FIRST YEAR RESIDENCE HALL SITE PLAN



Appendix B: Traffic Counts and Speeds

Accurate Counts
978-664-2565

Location : Wellesley Avenue
Location : West of Babson Entrance
City/State: Wellesley, MA

Start	12-Nov-12		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	*	*	8	2	7	6	*	*	*	*	*	*	*	*	8	4
01:00	*	*	4	3	8	2	*	*	*	*	*	*	*	*	6	2
02:00	*	*	4	3	2	0	*	*	*	*	*	*	*	*	3	2
03:00	*	*	2	4	0	1	*	*	*	*	*	*	*	*	1	2
04:00	*	*	1	4	6	8	*	*	*	*	*	*	*	*	4	6
05:00	*	*	14	36	12	32	*	*	*	*	*	*	*	*	13	34
06:00	*	*	55	214	55	198	*	*	*	*	*	*	*	*	55	206
07:00	*	*	**229**	629	213	650	*	*	*	*	*	*	*	*	221	640
08:00	*	*	222	**681**	205	**691**	*	*	*	*	*	*	*	*	214	**686**
09:00	*	*	224	422	199	396	*	*	*	*	*	*	*	*	212	409
10:00	*	*	201	243	187	221	*	*	*	*	*	*	*	*	194	232
11:00	*	*	207	248	**256**	241	*	*	*	*	*	*	*	*	**232**	244
12:00 PM	*	*	238	217	261	235	*	*	*	*	*	*	*	*	250	226
01:00	*	*	243	222	284	238	*	*	*	*	*	*	*	*	264	230
02:00	*	*	239	185	295	239	*	*	*	*	*	*	*	*	267	212
03:00	*	*	398	256	409	**276**	*	*	*	*	*	*	*	*	404	**266**
04:00	*	*	457	236	472	238	*	*	*	*	*	*	*	*	464	237
05:00	*	*	**519**	**260**	**550**	257	*	*	*	*	*	*	*	*	**534**	258
06:00	*	*	370	212	419	240	*	*	*	*	*	*	*	*	394	226
07:00	*	*	205	116	231	113	*	*	*	*	*	*	*	*	218	114
08:00	*	*	133	74	153	82	*	*	*	*	*	*	*	*	143	78
09:00	*	*	118	67	130	67	*	*	*	*	*	*	*	*	124	67
10:00	*	*	40	18	53	22	*	*	*	*	*	*	*	*	46	20
11:00	*	*	23	14	19	17	*	*	*	*	*	*	*	*	21	16
Lane	0	0	4154	4366	4426	4470	0	0	0	0	0	0	0	0	4292	4417
Day	0		8520		8896		0		0		0		0		8709	
AM Peak	-	-	07:00	08:00	11:00	08:00	-	-	-	-	-	-	-	-	11:00	08:00
Vol.	-	-	229	681	256	691	-	-	-	-	-	-	-	-	232	686
PM Peak	-	-	17:00	17:00	17:00	15:00	-	-	-	-	-	-	-	-	17:00	15:00
Vol.	-	-	519	260	550	276	-	-	-	-	-	-	-	-	534	266

Comb. Total	0	8520	8896	0	0	0	0	8709

ADT ADT 8,708 AADT 8,708

Accurate Counts
978-664-2565

Location : Forest Street
Location : East of Main Gate
City/State: Wellesley, MA

Start	12-Nov-12		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	*	*	3	18	8	16	*	*	*	*	*	*	*	*	6	17
01:00	*	*	1	11	3	12	*	*	*	*	*	*	*	*	2	12
02:00	*	*	2	3	1	1	*	*	*	*	*	*	*	*	2	2
03:00	*	*	2	1	1	1	*	*	*	*	*	*	*	*	2	1
04:00	*	*	8	2	5	3	*	*	*	*	*	*	*	*	6	2
05:00	*	*	43	20	32	14	*	*	*	*	*	*	*	*	38	17
06:00	*	*	85	60	74	52	*	*	*	*	*	*	*	*	80	56
07:00	*	*	155	102	169	120	*	*	*	*	*	*	*	*	162	111
08:00	*	*	**274**	**176**	**280**	**170**	*	*	*	*	*	*	*	*	**277**	**173**
09:00	*	*	199	141	185	126	*	*	*	*	*	*	*	*	192	134
10:00	*	*	142	143	148	116	*	*	*	*	*	*	*	*	145	130
11:00	*	*	167	140	172	124	*	*	*	*	*	*	*	*	170	132
12:00 PM	*	*	169	169	191	149	*	*	*	*	*	*	*	*	180	159
01:00	*	*	149	169	183	163	*	*	*	*	*	*	*	*	166	166
02:00	*	*	145	199	173	174	*	*	*	*	*	*	*	*	159	186
03:00	*	*	195	219	215	217	*	*	*	*	*	*	*	*	205	218
04:00	*	*	**229**	**250**	209	**271**	*	*	*	*	*	*	*	*	219	**260**
05:00	*	*	200	216	**241**	166	*	*	*	*	*	*	*	*	**220**	191
06:00	*	*	148	156	172	140	*	*	*	*	*	*	*	*	160	148
07:00	*	*	73	66	87	105	*	*	*	*	*	*	*	*	80	86
08:00	*	*	58	74	62	90	*	*	*	*	*	*	*	*	60	82
09:00	*	*	36	74	57	96	*	*	*	*	*	*	*	*	46	85
10:00	*	*	25	31	20	35	*	*	*	*	*	*	*	*	22	33
11:00	*	*	7	22	6	12	*	*	*	*	*	*	*	*	6	17
Lane	0	0	2515	2462	2694	2373	0	0	0	0	0	0	0	0	2605	2418
Day	0		4977		5067		0		0		0		0		5023	
AM Peak	-	-	08:00	08:00	08:00	08:00	-	-	-	-	-	-	-	-	08:00	08:00
Vol.	-	-	274	176	280	170	-	-	-	-	-	-	-	-	277	173
PM Peak	-	-	16:00	16:00	17:00	16:00	-	-	-	-	-	-	-	-	17:00	16:00
Vol.	-	-	229	250	241	271	-	-	-	-	-	-	-	-	220	260

Comb. Total	0	4977	5067	0	0	0	0	5023

ADT ADT 5,022 AADT 5,022

Accurate Counts
978-664-2565

Location : Babson Main Gate
Location : South of Forest Street
City/State: Wellesley, MA

Start	12-Nov-12		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
12:00 AM	*	*	23	48	29	40	*	*	*	*	*	*	*	*	26	44
01:00	*	*	15	39	11	24	*	*	*	*	*	*	*	*	13	32
02:00	*	*	13	9	6	7	*	*	*	*	*	*	*	*	10	8
03:00	*	*	10	5	4	3	*	*	*	*	*	*	*	*	7	4
04:00	*	*	11	7	10	1	*	*	*	*	*	*	*	*	10	4
05:00	*	*	50	9	47	5	*	*	*	*	*	*	*	*	48	7
06:00	*	*	91	25	96	32	*	*	*	*	*	*	*	*	94	28
07:00	*	*	130	35	96	31	*	*	*	*	*	*	*	*	113	33
08:00	*	*	**203**	31	**222**	30	*	*	*	*	*	*	*	*	**212**	30
09:00	*	*	137	45	128	53	*	*	*	*	*	*	*	*	132	49
10:00	*	*	85	52	97	50	*	*	*	*	*	*	*	*	91	51
11:00	*	*	110	**108**	108	**63**	*	*	*	*	*	*	*	*	109	**86**
12:00 PM	*	*	111	112	99	91	*	*	*	*	*	*	*	*	105	102
01:00	*	*	**153**	158	**129**	121	*	*	*	*	*	*	*	*	**141**	140
02:00	*	*	131	145	106	105	*	*	*	*	*	*	*	*	118	125
03:00	*	*	151	231	99	163	*	*	*	*	*	*	*	*	125	197
04:00	*	*	119	**242**	95	194	*	*	*	*	*	*	*	*	107	218
05:00	*	*	107	183	109	179	*	*	*	*	*	*	*	*	108	181
06:00	*	*	103	127	128	133	*	*	*	*	*	*	*	*	116	130
07:00	*	*	94	97	99	109	*	*	*	*	*	*	*	*	96	103
08:00	*	*	97	212	103	141	*	*	*	*	*	*	*	*	100	176
09:00	*	*	108	190	113	**282**	*	*	*	*	*	*	*	*	110	**236**
10:00	*	*	65	74	57	81	*	*	*	*	*	*	*	*	61	78
11:00	*	*	54	48	29	40	*	*	*	*	*	*	*	*	42	44
Lane	0	0	2171	2232	2020	1978	0	0	0	0	0	0	0	0	2094	2106
Day	0		4403		3998		0		0		0		0		4200	
AM Peak	-	-	08:00	11:00	08:00	11:00	-	-	-	-	-	-	-	-	08:00	11:00
Vol.	-	-	203	108	222	63	-	-	-	-	-	-	-	-	212	86
PM Peak	-	-	13:00	16:00	13:00	21:00	-	-	-	-	-	-	-	-	13:00	21:00
Vol.	-	-	153	242	129	282	-	-	-	-	-	-	-	-	141	236

Comb. Total	0	4403	3998	0	0	0	0	4200

ADT ADT 4,200 AADT 4,200

Accurate Counts
978-664-2565

Location : West Gate
Location : South of Wellesley Avenue
City/State: Wellesley, MA

Start	12-Nov-12		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In
12:00 AM	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
01:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
02:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
03:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
04:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
05:00	*	*	1	5	1	4	*	*	*	*	*	*	*	*	1	4
06:00	*	*	5	36	7	38	*	*	*	*	*	*	*	*	6	37
07:00	*	*	11	129	15	160	*	*	*	*	*	*	*	*	13	144
08:00	*	*	37	**226**	15	**226**	*	*	*	*	*	*	*	*	26	**226**
09:00	*	*	50	147	20	123	*	*	*	*	*	*	*	*	35	135
10:00	*	*	43	77	23	70	*	*	*	*	*	*	*	*	33	74
11:00	*	*	**64**	97	**51**	75	*	*	*	*	*	*	*	*	**58**	86
12:00 PM	*	*	117	80	103	54	*	*	*	*	*	*	*	*	110	67
01:00	*	*	91	**89**	92	83	*	*	*	*	*	*	*	*	92	**86**
02:00	*	*	94	49	112	58	*	*	*	*	*	*	*	*	103	54
03:00	*	*	142	69	118	65	*	*	*	*	*	*	*	*	130	67
04:00	*	*	**208**	80	168	87	*	*	*	*	*	*	*	*	**188**	84
05:00	*	*	163	77	**175**	86	*	*	*	*	*	*	*	*	169	82
06:00	*	*	146	70	151	**102**	*	*	*	*	*	*	*	*	148	86
07:00	*	*	86	34	88	29	*	*	*	*	*	*	*	*	87	32
08:00	*	*	20	3	7	8	*	*	*	*	*	*	*	*	14	6
09:00	*	*	1	1	0	0	*	*	*	*	*	*	*	*	0	0
10:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
11:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
Lane	0	0	1279	1269	1146	1268	0	0	0	0	0	0	0	0	1213	1270
Day	0		2548		2414		0		0		0		0		2483	
AM Peak	-	-	11:00	08:00	11:00	08:00	-	-	-	-	-	-	-	-	11:00	08:00
Vol.	-	-	64	226	51	226	-	-	-	-	-	-	-	-	58	226
PM Peak	-	-	16:00	13:00	17:00	18:00	-	-	-	-	-	-	-	-	16:00	13:00
Vol.	-	-	208	89	175	102	-	-	-	-	-	-	-	-	188	86

Comb. Total	0	2548	2414	0	0	0	0	2483
ADT	ADT 2,481	AADT 2,481						

Accurate Counts
978-664-2565

Location : Wellesley Avenue
Location : West of Babson Entrance
City/State: Wellesley, MA
Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/13/12	0	0	0	0	2	4	2	0	0	0	0	0	0	0	8	42	44
01:00	0	0	0	1	1	0	1	1	0	0	0	0	0	0	4	46	49
02:00	0	0	0	0	2	1	0	1	0	0	0	0	0	0	4	47	49
03:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	43	45
04:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	44	45
05:00	0	0	0	3	3	5	2	1	0	0	0	0	0	0	14	42	46
06:00	0	0	2	4	16	22	10	1	0	0	0	0	0	0	55	41	44
07:00	**36**	**3**	5	**41**	**85**	52	7	0	0	0	0	0	0	0	**229**	36	39
08:00	25	3	5	25	84	62	18	0	0	0	0	0	0	0	222	38	41
09:00	17	0	**6**	27	67	87	18	**2**	0	0	0	0	0	0	224	39	42
10:00	10	2	2	17	56	82	**32**	0	0	0	0	0	0	0	201	40	43
11:00	15	1	1	15	49	**98**	28	0	0	0	0	0	0	0	207	40	43
12 PM	8	0	4	17	53	94	52	**9**	**1**	0	0	0	0	0	238	42	45
13:00	12	0	6	28	60	101	31	5	0	0	0	0	0	0	243	40	43
14:00	12	0	10	21	75	92	24	5	0	0	0	0	0	0	239	39	43
15:00	12	0	10	34	112	**163**	**64**	3	0	0	0	0	0	0	398	40	43
16:00	14	0	**23**	81	177	139	22	1	0	0	0	0	0	0	457	38	40
17:00	**63**	**17**	16	**86**	**227**	95	14	1	0	0	0	0	0	0	**519**	36	39
18:00	13	2	5	67	151	114	18	0	0	0	0	0	0	0	370	38	40
19:00	2	1	5	16	73	87	21	0	0	0	0	0	0	0	205	39	42
20:00	0	0	0	4	41	66	21	0	1	0	0	0	0	0	133	40	43
21:00	3	3	0	1	38	49	19	5	0	0	0	0	0	0	118	41	45
22:00	1	0	1	1	10	19	7	1	0	0	0	0	0	0	40	41	44
23:00	0	0	0	2	7	8	3	3	0	0	0	0	0	0	23	44	48
Total	243	32	101	491	1390	1440	416	39	2	0	0	0	0	0	4154		
Percent	5.8%	0.8%	2.4%	11.8%	33.5%	34.7%	10.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	09:00	07:00	07:00	11:00	10:00	09:00							07:00		
Vol.	36	3	6	41	85	98	32	2							229		
PM Peak	17:00	17:00	16:00	17:00	17:00	15:00	15:00	12:00	12:00						17:00		
Vol.	63	17	23	86	227	163	64	9	1						519		

Accurate Counts
978-664-2565

Location : Wellesley Avenue
Location : West of Babson Entrance
City/State: Wellesley, MA
Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/14/12	0	0	0	1	2	1	2	1	0	0	0	0	0	0	7	45	48
01:00	0	0	0	0	1	4	3	0	0	0	0	0	0	0	8	43	44
02:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	39	40
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	1	0	0	0	0	3	0	**1**	0	0	0	0	0	6	46	53
05:00	2	0	0	0	3	3	1	**2**	1	0	0	0	0	0	12	47	51
06:00	6	0	1	5	13	18	9	1	1	**1**	0	0	0	0	55	41	46
07:00	20	0	8	**48**	95	33	9	0	0	0	0	0	0	0	213	36	40
08:00	**24**	**18**	**34**	37	61	29	2	0	0	0	0	0	0	0	205	34	38
09:00	8	0	6	34	82	59	9	1	0	0	0	0	0	0	199	38	40
10:00	10	1	11	29	76	51	7	1	0	0	**1**	0	0	0	187	38	40
11:00	6	2	6	18	**121**	**84**	**17**	1	0	0	0	0	**1**	0	**256**	38	41
12 PM	8	0	6	52	93	88	13	0	**1**	0	0	0	0	0	261	38	41
13:00	7	0	6	50	125	87	8	0	1	0	0	0	0	0	284	38	40
14:00	11	2	12	38	115	107	10	0	0	0	0	0	0	0	295	38	40
15:00	15	2	10	69	170	**122**	21	0	0	0	0	0	0	0	409	38	40
16:00	11	**3**	16	79	219	121	**23**	0	0	0	0	0	0	0	472	37	40
17:00	**18**	1	**25**	**127**	**284**	93	2	0	0	0	0	0	0	0	**550**	35	38
18:00	8	0	11	82	255	55	8	0	0	0	0	0	0	0	419	35	38
19:00	1	2	11	68	96	50	3	0	0	0	0	0	0	0	231	36	39
20:00	0	0	1	15	83	46	8	0	0	0	0	0	0	0	153	38	41
21:00	1	1	2	15	66	44	1	0	0	0	0	0	0	0	130	37	39
22:00	0	0	0	4	29	13	7	0	0	0	0	0	0	0	53	39	43
23:00	0	0	0	2	8	6	2	**1**	0	0	0	0	0	0	19	40	45
Total	157	33	166	773	1997	1116	168	8	5	1	1	0	1	0	4426		
Percent	3.5%	0.7%	3.8%	17.5%	45.1%	25.2%	3.8%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	08:00	08:00	07:00	11:00	11:00	11:00	05:00	04:00	06:00	10:00		11:00		11:00		
Vol.	24	18	34	48	121	84	17	2	1	1	1		1		256		
PM Peak	17:00	16:00	17:00	17:00	17:00	15:00	16:00	23:00	12:00						17:00		
Vol.	18	3	25	127	284	122	23	1	1						550		
Total	400	65	267	1264	3387	2556	584	47	7	1	1	0	1	0	8580		
Percent	4.7%	0.8%	3.1%	14.7%	39.5%	29.8%	6.8%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 25 MPH
50th Percentile : 33 MPH
85th Percentile : 38 MPH
95th Percentile : 41 MPH

Stats

10 MPH Pace Speed : 30-39 MPH
Number in Pace : 5303
Percent in Pace : 61.8%
Number of Vehicles > 35 MPH : 3197
Percent of Vehicles > 35 MPH : 37.3%
Mean Speed(Average) : 32 MPH

Accurate Counts
978-664-2565

Location : Wellesley Avenue
Location : West of Babson Entrance
City/State: Wellesley, MA
Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/13/12	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	38	40
01:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3	32	34
02:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	34	35
03:00	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4	38	40
04:00	0	0	0	1	0	1	2	0	0	0	0	0	0	0	4	43	45
05:00	0	0	3	8	12	9	**4**	0	0	0	0	0	0	0	36	39	42
06:00	0	0	5	48	123	**38**	0	0	0	0	0	0	0	0	214	36	38
07:00	**64**	**48**	**174**	198	**131**	14	0	0	0	0	0	0	0	0	629	31	34
08:00	39	29	169	**338**	98	8	0	0	0	0	0	0	0	0	**681**	30	33
09:00	22	4	43	230	113	8	2	0	0	0	0	0	0	0	422	32	35
10:00	11	3	23	117	71	18	0	0	0	0	0	0	0	0	243	33	36
11:00	12	8	25	103	92	8	0	0	0	0	0	0	0	0	248	33	35
12 PM	9	2	10	92	**88**	**15**	**1**	0	0	0	0	0	0	0	217	34	36
13:00	13	10	34	90	60	14	1	0	0	0	0	0	0	0	222	33	36
14:00	10	5	34	95	40	1	0	0	0	0	0	0	0	0	185	31	34
15:00	18	3	31	**145**	55	4	0	0	0	0	0	0	0	0	256	31	34
16:00	19	12	66	110	27	2	0	0	0	0	0	0	0	0	236	30	32
17:00	**30**	**19**	**113**	92	5	1	0	0	0	0	0	0	0	0	**260**	27	30
18:00	9	17	48	114	21	3	0	0	0	0	0	0	0	0	212	30	33
19:00	2	7	27	51	27	2	0	0	0	0	0	0	0	0	116	32	34
20:00	3	1	15	38	16	1	0	0	0	0	0	0	0	0	74	31	34
21:00	1	1	5	32	21	7	0	0	0	0	0	0	0	0	67	34	37
22:00	0	0	2	5	7	3	1	0	0	0	0	0	0	0	18	37	40
23:00	0	0	0	6	3	4	1	0	0	0	0	0	0	0	14	38	41
Total	262	169	829	1917	1013	164	12	0	0	0	0	0	0	0	4366		
Percent	6.0%	3.9%	19.0%	43.9%	23.2%	3.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	07:00	07:00	08:00	07:00	06:00	05:00								08:00		
Vol.	64	48	174	338	131	38	4								681		
PM Peak	17:00	17:00	17:00	15:00	12:00	12:00	12:00								17:00		
Vol.	30	19	113	145	88	15	1								260		

Accurate Counts
978-664-2565

Location : Wellesley Avenue
Location : West of Babson Entrance
City/State: Wellesley, MA
Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/14/12	0	0	0	1	4	1	0	0	0	0	0	0	0	0	6	36	38
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	29	30
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	30
04:00	0	0	0	3	2	1	1	1	0	0	0	0	0	0	8	43	47
05:00	0	1	3	13	13	1	1	0	0	0	0	0	0	0	32	34	36
06:00	5	**9**	11	69	90	13	1	0	0	0	0	0	0	0	198	34	36
07:00	11	3	19	142	**283**	**171**	18	2	**1**	0	0	0	0	0	650	37	40
08:00	**16**	6	**43**	**193**	270	140	21	2	0	0	0	0	0	0	**691**	37	40
09:00	14	0	6	35	150	159	**32**	0	0	0	0	0	0	0	396	39	41
10:00	2	1	8	18	89	79	23	1	0	0	0	0	0	0	221	39	42
11:00	7	0	3	27	86	93	22	**3**	0	0	0	0	0	0	241	39	42
12 PM	5	1	3	26	83	95	19	**3**	0	0	0	0	0	0	235	39	42
13:00	5	0	3	27	93	88	19	3	0	0	0	0	0	0	238	39	42
14:00	15	**2**	4	28	91	79	19	1	0	0	0	0	0	0	239	39	41
15:00	12	0	2	27	98	**107**	**28**	2	0	0	0	0	0	0	**276**	39	42
16:00	11	2	3	53	91	67	10	1	0	0	0	0	0	0	238	38	40
17:00	**24**	1	**16**	**77**	96	41	2	0	0	0	0	0	0	0	257	35	38
18:00	13	0	13	56	**116**	38	4	0	0	0	0	0	0	0	240	35	39
19:00	3	0	1	28	53	23	4	1	0	0	0	0	0	0	113	37	40
20:00	1	1	1	17	34	19	5	3	**1**	0	0	0	0	0	82	39	45
21:00	1	0	3	14	30	13	4	2	0	0	0	0	0	0	67	38	43
22:00	0	0	0	1	8	7	4	2	0	0	0	0	0	0	22	43	47
23:00	0	0	0	1	5	6	4	1	0	0	0	0	0	0	17	43	46
Total	145	27	142	859	1785	1241	241	28	2	0	0	0	0	0	4470		
Percent	3.2%	0.6%	3.2%	19.2%	39.9%	27.8%	5.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	06:00	08:00	08:00	07:00	07:00	09:00	11:00	07:00						08:00		
Vol.	16	9	43	193	283	171	32	3	1						691		
PM Peak	17:00	14:00	17:00	17:00	18:00	15:00	15:00	12:00	20:00						15:00		
Vol.	24	2	16	77	116	107	28	3	1						276		
Total	407	196	971	2776	2798	1405	253	28	2	0	0	0	0	0	8836		
Percent	4.6%	2.2%	11.0%	31.4%	31.7%	15.9%	2.9%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 21 MPH
50th Percentile : 29 MPH
85th Percentile : 36 MPH
95th Percentile : 39 MPH

Stats

10 MPH Pace Speed : 26-35 MPH
Number in Pace : 4953
Percent in Pace : 56.1%
Number of Vehicles > 35 MPH : 1688
Percent of Vehicles > 35 MPH : 19.1%
Mean Speed(Average) : 29 MPH

Accurate Counts
978-664-2565

Location : Forest Street
Location : East of Main Gate
City/State: Wellesley, MA
Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/13/12	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3	39	40
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	35
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	34	35
03:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	48	50
04:00	0	0	0	1	4	2	1	0	0	0	0	0	0	0	8	39	42
05:00	1	0	1	8	18	12	2	1	0	0	0	0	0	0	43	38	42
06:00	2	0	0	9	32	27	14	1	0	0	0	0	0	0	85	40	43
07:00	1	1	0	10	62	62	18	1	0	0	0	0	0	0	155	40	43
08:00	1	0	3	**22**	**110**	**110**	**26**	0	**2**	0	0	0	0	0	**274**	39	42
09:00	**6**	**3**	**5**	13	76	70	22	**3**	1	0	0	0	0	0	199	40	43
10:00	1	1	3	11	56	52	16	2	0	0	0	0	0	0	142	40	43
11:00	1	0	0	12	63	66	24	1	0	0	0	0	0	0	167	40	43
12 PM	2	0	0	11	68	67	**21**	0	0	0	0	0	0	0	169	40	42
13:00	5	0	0	15	54	55	19	1	0	0	0	0	0	0	149	40	43
14:00	3	0	0	9	57	54	21	1	0	0	0	0	0	0	145	40	43
15:00	**9**	**1**	1	13	70	**80**	19	**2**	0	0	0	0	0	0	195	39	42
16:00	4	1	0	**34**	**116**	62	11	1	0	0	0	0	0	0	**229**	38	41
17:00	4	0	2	24	110	54	4	1	**1**	0	0	0	0	0	200	37	40
18:00	0	0	**8**	27	78	29	6	0	0	0	0	0	0	0	148	37	40
19:00	2	0	0	6	33	27	5	0	0	0	0	0	0	0	73	39	41
20:00	1	0	0	8	27	20	2	0	0	0	0	0	0	0	58	38	40
21:00	0	0	0	5	19	7	5	0	0	0	0	0	0	0	36	39	43
22:00	1	0	0	1	15	7	1	0	0	0	0	0	0	0	25	37	40
23:00	0	0	0	0	4	1	2	0	0	0	0	0	0	0	7	42	44
Total	44	7	23	239	1076	867	239	16	4	0	0	0	0	0	2515		
Percent	1.7%	0.3%	0.9%	9.5%	42.8%	34.5%	9.5%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	09:00	09:00	08:00	08:00	08:00	08:00	09:00	08:00						08:00		
Vol.	6	3	5	22	110	110	26	3	2						274		
PM Peak	15:00	15:00	18:00	16:00	16:00	15:00	12:00	15:00	17:00						16:00		
Vol.	9	1	8	34	116	80	21	2	1						229		

Accurate Counts
978-664-2565

Location : Forest Street
Location : East of Main Gate
City/State: Wellesley, MA
Westbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/14/12	0	0	0	2	3	3	0	0	0	0	0	0	0	0	8	38	39
01:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	34	35
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	35
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	39	40
04:00	0	0	0	1	0	2	2	0	0	0	0	0	0	0	5	43	44
05:00	0	0	0	9	8	9	4	1	**1**	0	0	0	0	0	32	41	47
06:00	1	0	0	4	19	35	14	1	0	0	0	0	0	0	74	41	44
07:00	5	0	1	5	58	75	22	3	0	0	0	0	0	0	169	40	43
08:00	**6**	0	0	14	**103**	**119**	**34**	**4**	0	0	0	0	0	0	**280**	40	43
09:00	2	0	**4**	**15**	53	78	28	4	1	0	0	0	0	0	185	41	44
10:00	0	0	1	13	66	50	15	3	0	0	0	0	0	0	148	39	43
11:00	2	0	0	8	60	75	25	1	1	0	0	0	0	0	172	40	43
12 PM	4	**2**	0	**19**	68	77	19	1	1	0	0	0	0	0	191	39	42
13:00	**12**	2	1	5	63	72	24	**4**	0	0	0	0	0	0	183	40	43
14:00	6	0	0	13	66	71	16	1	0	0	0	0	0	0	173	39	42
15:00	7	2	**5**	18	64	**90**	24	3	**2**	0	0	0	0	0	215	40	43
16:00	5	0	1	16	87	73	**26**	1	0	0	0	0	0	0	209	40	43
17:00	6	0	1	18	**104**	90	20	2	0	0	0	0	0	0	**241**	39	42
18:00	5	0	1	11	89	51	15	0	0	0	0	0	0	0	172	39	42
19:00	0	0	1	7	34	40	5	0	0	0	0	0	0	0	87	39	41
20:00	0	0	0	9	30	19	4	0	0	0	0	0	0	0	62	38	41
21:00	1	0	0	12	27	14	3	0	0	0	0	0	0	0	57	37	40
22:00	0	0	1	0	8	8	2	0	1	0	0	0	0	0	20	40	48
23:00	0	0	0	0	2	2	2	0	0	0	0	0	0	0	6	42	44
Total	62	6	17	200	1015	1054	304	29	7	0	0	0	0	0	2694		
Percent	2.3%	0.2%	0.6%	7.4%	37.7%	39.1%	11.3%	1.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00		09:00	09:00	08:00	08:00	08:00	08:00	05:00						08:00		
Vol.	6		4	15	103	119	34	4	1						280		
PM Peak	13:00	12:00	15:00	12:00	17:00	15:00	16:00	13:00	15:00						17:00		
Vol.	12	2	5	19	104	90	26	4	2						241		
Total	106	13	40	439	2091	1921	543	45	11	0	0	0	0	0	5209		
Percent	2.0%	0.2%	0.8%	8.4%	40.1%	36.9%	10.4%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	29 MPH
50th Percentile :	34 MPH
85th Percentile :	39 MPH
95th Percentile :	43 MPH

Stats

10 MPH Pace Speed :	31-40 MPH
Number in Pace :	3586
Percent in Pace :	68.8%
Number of Vehicles > 35 MPH :	2520
Percent of Vehicles > 35 MPH :	48.4%
Mean Speed(Average) :	35 MPH

Accurate Counts
978-664-2565

Location : Forest Street
Location : East of Main Gate
City/State: Wellesley, MA
Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/13/12	0	0	1	4	11	2	0	0	0	0	0	0	0	0	18	35	37
01:00	0	0	2	6	2	0	0	**1**	0	0	0	0	0	0	11	33	47
02:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	29	30
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	29	30
04:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	43	45
05:00	1	0	0	1	11	7	0	0	0	0	0	0	0	0	20	37	39
06:00	0	0	0	4	26	26	4	0	0	0	0	0	0	0	60	39	41
07:00	**7**	0	3	10	41	32	8	1	0	0	0	0	0	0	102	39	42
08:00	6	0	0	7	64	**80**	**19**	0	0	0	0	0	0	0	**176**	39	42
09:00	3	**2**	4	7	**70**	48	7	0	0	0	0	0	0	0	141	38	41
10:00	3	0	2	**19**	65	48	6	0	0	0	0	0	0	0	143	38	40
11:00	1	0	**5**	12	64	49	8	0	**1**	0	0	0	0	0	140	38	41
12 PM	2	0	1	23	78	54	10	1	0	0	0	0	0	0	169	38	41
13:00	5	0	2	22	74	53	13	0	0	0	0	0	0	0	169	38	41
14:00	1	**1**	4	22	88	64	**19**	0	0	0	0	0	0	0	199	39	42
15:00	6	1	7	30	88	**72**	10	**5**	0	0	0	0	0	0	219	38	41
16:00	**10**	0	**14**	**60**	**121**	40	5	0	0	0	0	0	0	0	**250**	36	39
17:00	7	0	9	47	109	37	5	2	0	0	0	0	0	0	216	36	39
18:00	0	0	4	37	84	23	8	0	0	0	0	0	0	0	156	36	40
19:00	0	0	2	11	32	20	1	0	0	0	0	0	0	0	66	37	39
20:00	1	0	1	16	37	15	3	1	0	0	0	0	0	0	74	37	41
21:00	0	0	0	17	45	11	1	0	0	0	0	0	0	0	74	36	38
22:00	0	1	0	10	15	4	1	0	0	0	0	0	0	0	31	35	39
23:00	0	0	0	4	11	6	1	0	0	0	0	0	0	0	22	38	40
Total	53	5	61	373	1137	691	130	11	1	0	0	0	0	0	2462		
Percent	2.2%	0.2%	2.5%	15.2%	46.2%	28.1%	5.3%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	09:00	11:00	10:00	09:00	08:00	08:00	01:00	11:00						08:00		
Vol.	7	2	5	19	70	80	19	1	1						176		
PM Peak	16:00	14:00	16:00	16:00	16:00	15:00	14:00	15:00							16:00		
Vol.	10	1	14	60	121	72	19	5							250		

Accurate Counts
978-664-2565

Location : Forest Street
Location : East of Main Gate
City/State: Wellesley, MA
Eastbound

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total	85th Percent	95th Percent
11/14/12	0	0	**3**	4	8	0	1	0	0	0	0	0	0	0	16	34	40
01:00	0	0	2	5	4	1	0	0	0	0	0	0	0	0	12	34	36
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	25
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	35
04:00	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3	42	44
05:00	0	0	0	0	4	5	4	1	0	0	0	0	0	0	14	43	46
06:00	2	0	0	6	18	22	3	1	0	0	0	0	0	0	52	39	42
07:00	2	0	0	11	40	56	9	2	0	0	0	0	0	0	120	39	42
08:00	4	0	1	10	46	**86**	**20**	**3**	0	0	0	0	0	0	**170**	40	43
09:00	3	0	3	12	48	48	12	0	0	0	0	0	0	0	126	39	42
10:00	1	0	0	**14**	48	47	5	1	0	0	0	0	0	0	116	38	41
11:00	**6**	**1**	1	8	**52**	42	13	1	0	0	0	0	0	0	124	39	42
12 PM	**7**	0	2	21	50	52	**16**	1	0	0	0	0	0	0	149	39	42
13:00	4	0	0	18	79	49	13	0	0	0	0	0	0	0	163	38	41
14:00	6	1	4	21	78	51	13	0	0	0	0	0	0	0	174	38	41
15:00	7	**2**	**7**	26	89	67	16	**2**	0	**1**	0	0	0	0	217	39	42
16:00	7	0	2	**47**	**131**	**69**	13	2	0	0	0	0	0	0	**271**	38	41
17:00	3	0	2	26	85	48	2	0	0	0	0	0	0	0	166	37	39
18:00	4	0	2	24	64	37	7	2	0	0	0	0	0	0	140	38	41
19:00	0	0	1	26	49	26	3	0	0	0	0	0	0	0	105	37	40
20:00	0	1	3	23	43	18	2	0	0	0	0	0	0	0	90	36	39
21:00	1	0	2	26	49	13	4	1	0	0	0	0	0	0	96	36	40
22:00	0	0	3	7	14	6	4	1	0	0	0	0	0	0	35	39	44
23:00	0	0	1	1	8	2	0	0	0	0	0	0	0	0	12	36	38
Total	57	5	40	336	1010	745	161	18	0	1	0	0	0	0	2373		
Percent	2.4%	0.2%	1.7%	14.2%	42.6%	31.4%	6.8%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	11:00	11:00	00:00	10:00	11:00	08:00	08:00	08:00							08:00		
Vol.	6	1	3	14	52	86	20	3							170		
PM Peak	12:00	15:00	15:00	16:00	16:00	16:00	12:00	15:00		15:00					16:00		
Vol.	7	2	7	47	131	69	16	2		1					271		
Total	110	10	101	709	2147	1436	291	29	1	1	0	0	0	0	4835		
Percent	2.3%	0.2%	2.1%	14.7%	44.4%	29.7%	6.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile :	27 MPH
50th Percentile :	33 MPH
85th Percentile :	38 MPH
95th Percentile :	41 MPH

Stats

10 MPH Pace Speed :	30-39 MPH
Number in Pace :	3271
Percent in Pace :	67.7%
Number of Vehicles > 35 MPH :	1758
Percent of Vehicles > 35 MPH :	36.4%
Mean Speed(Average) :	33 MPH

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

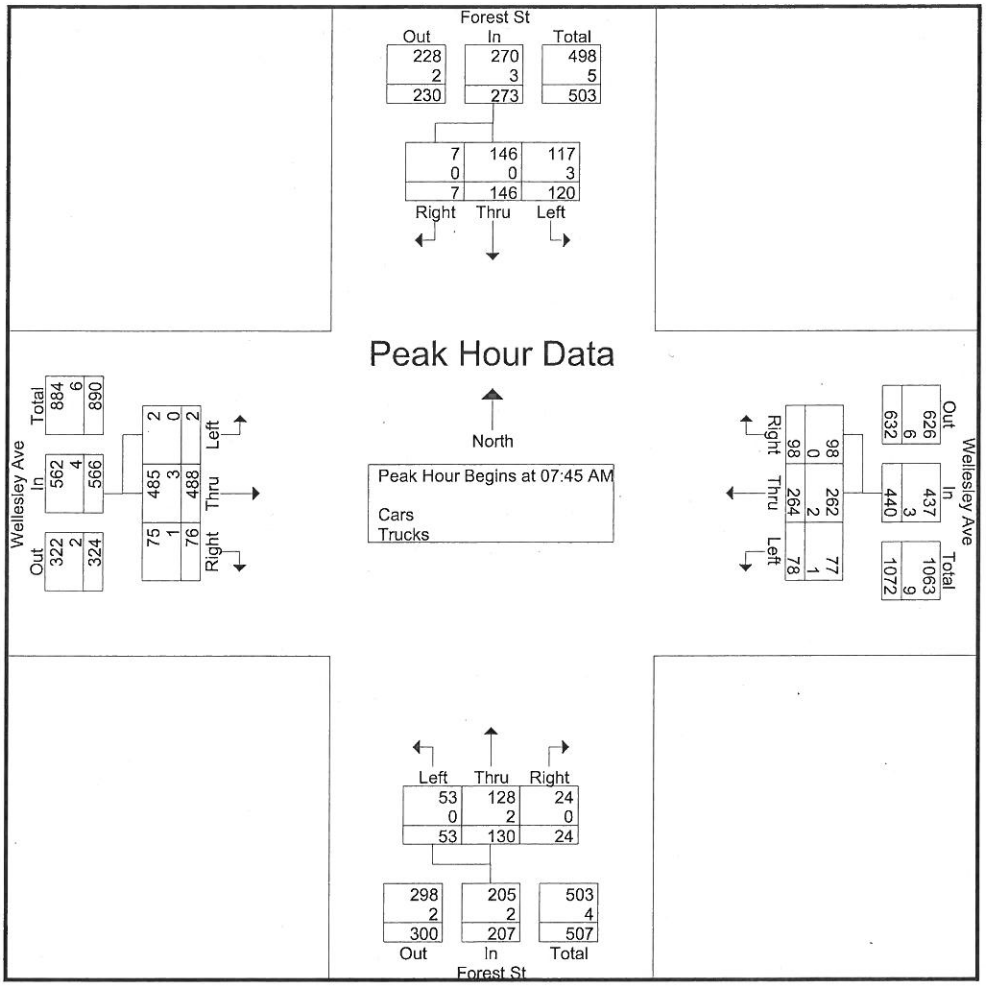
	Forest St From North			Wellesley Ave From East			Forest St From South			Wellesley Ave From West			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:00 AM	22	15	3	4	55	28	6	20	3	0	89	11	256
07:15 AM	30	21	4	7	64	35	9	27	4	0	119	12	332
07:30 AM	23	23	2	2	88	26	11	20	6	0	139	14	354
07:45 AM	28	29	1	15	66	12	21	24	2	2	137	11	348
Total	103	88	10	28	273	101	47	91	15	2	484	48	1290
08:00 AM	26	40	2	16	57	22	11	30	9	0	112	24	349
08:15 AM	41	38	2	22	73	32	11	37	7	0	115	21	399
08:30 AM	25	39	2	25	68	32	10	39	6	0	124	20	390
08:45 AM	21	19	3	20	43	12	12	33	7	0	117	20	307
Total	113	136	9	83	241	98	44	139	29	0	468	85	1445
Grand Total	216	224	19	111	514	199	91	230	44	2	952	133	2735
Apprch %	47.1	48.8	4.1	13.5	62.4	24.2	24.9	63	12.1	0.2	87.6	12.2	
Total %	7.9	8.2	0.7	4.1	18.8	7.3	3.3	8.4	1.6	0.1	34.8	4.9	
Cars	211	221	19	110	511	199	90	224	44	2	947	130	2708
% Cars	97.7	98.7	100	99.1	99.4	100	98.9	97.4	100	100	99.5	97.7	99
Trucks	5	3	0	1	3	0	1	6	0	0	5	3	27
% Trucks	2.3	1.3	0	0.9	0.6	0	1.1	2.6	0	0	0.5	2.3	1

	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	28	29	1	58	15	66	12	93	**21**	24	2	47	**2**	**137**	11	**150**	348
08:00 AM	26	**40**	**2**	68	16	57	22	95	11	30	**9**	50	0	112	**24**	136	349
08:15 AM	**41**	38	2	**81**	22	**73**	**32**	**127**	11	37	7	**55**	0	115	21	136	**399**
08:30 AM	25	39	2	66	**25**	68	32	125	10	**39**	6	55	0	124	20	144	390
Total Volume	120	146	7	273	78	264	98	440	53	130	24	207	2	488	76	566	1486
% App. Total	44	53.5	2.6		17.7	60	22.3		25.6	62.8	11.6		0.4	86.2	13.4		
PHF	.732	.913	.875	.843	.780	.904	.766	.866	.631	.833	.667	.941	.250	.891	.792	.943	.931
Cars	117	146	7	270	77	262	98	437	53	128	24	205	2	485	75	562	1474
% Cars	97.5	100	100	98.9	98.7	99.2	100	99.3	100	98.5	100	99.0	100	99.4	98.7	99.3	99.2
Trucks	3	0	0	3	1	2	0	3	0	2	0	2	0	3	1	4	12
% Trucks	2.5	0	0	1.1	1.3	0.8	0	0.7	0	1.5	0	1.0	0	0.6	1.3	0.7	0.8

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM				07:45 AM				08:00 AM				07:30 AM			
+0 mins.	28	29	1	58	15	66	12	93	11	30	**9**	50	0	**139**	14	**153**
+15 mins.	26	**40**	**2**	68	16	57	22	95	11	37	7	**55**	**2**	137	11	150
+30 mins.	**41**	38	2	**81**	22	**73**	**32**	**127**	10	**39**	6	55	0	112	**24**	136
+45 mins.	25	39	2	66	**25**	68	32	125	**12**	33	7	52	0	115	21	136
Total Volume	120	146	7	273	78	264	98	440	44	139	29	212	2	503	70	575
% App. Total	44	53.5	2.6		17.7	60	22.3		20.8	65.6	13.7		0.3	87.5	12.2	
PHF	.732	.913	.875	.843	.780	.904	.766	.866	.917	.891	.806	.964	.250	.905	.729	.940
Cars	117	146	7	270	77	262	98	437	44	137	29	210	2	501	67	570
% Cars	97.5	100	100	98.9	98.7	99.2	100	99.3	100	98.6	100	99.1	100	99.6	95.7	99.1
Trucks	3	0	0	3	1	2	0	3	0	2	0	2	0	2	3	5
% Trucks	2.5	0	0	1.1	1.3	0.8	0	0.7	0	1.4	0	0.9	0	0.4	4.3	0.9

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 1

Groups Printed- Bikes Peds

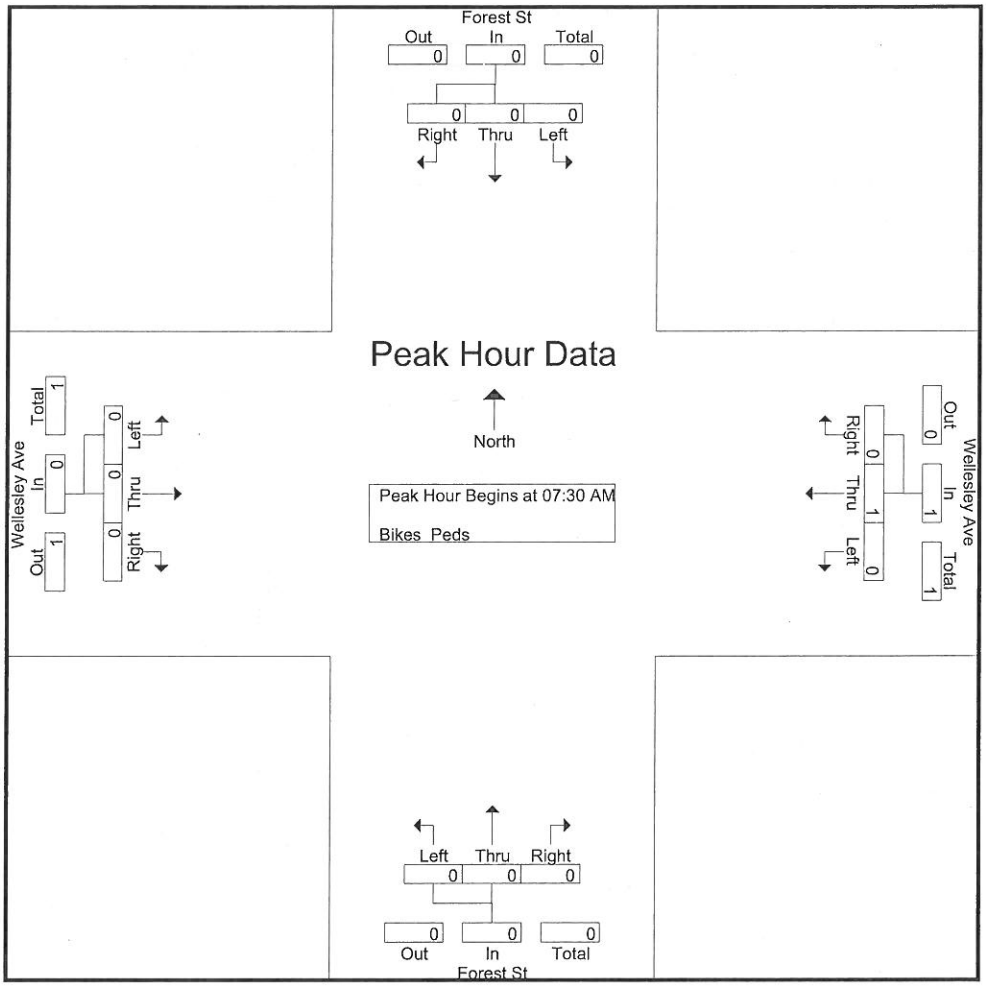
	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West						
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0	2
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
Grand Total	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1	3	1	4
Apprch %	0	0	0		0	100	0		0	0	0		0	0	0				
Total %	0	0	0		0	100	0		0	0	0		0	0	0		75	25	

	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
% App. Total	0	0	0		0	100	0		0	0	0		0	0	0		
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.250

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:30 AM				07:00 AM				07:00 AM			
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
% App. Total	0	0	0		0	100	0		0	0	0		0	0	0	
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

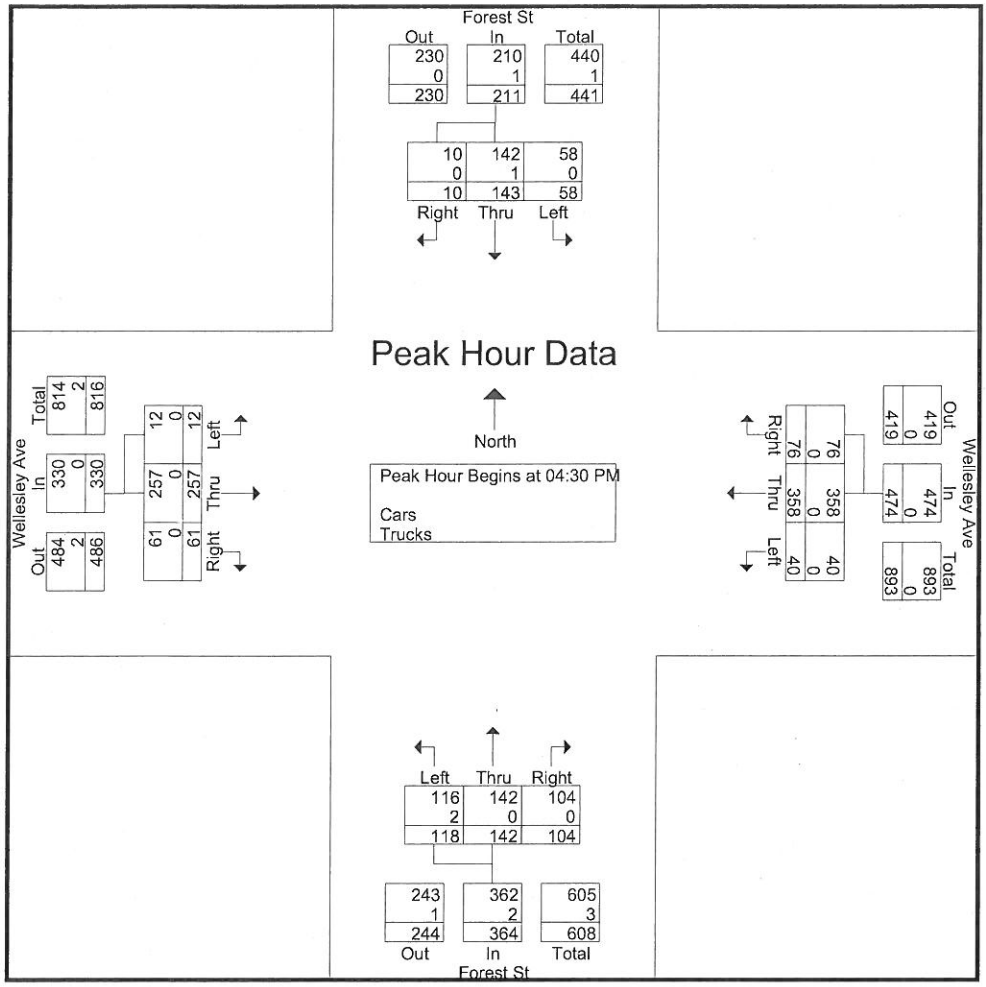
File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

	Forest St From North			Wellesley Ave From East			Forest St From South			Wellesley Ave From West			
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
03:00 PM	16	32	0	10	56	19	22	35	20	3	49	14	276
03:15 PM	16	41	2	10	83	15	22	39	21	2	53	10	314
03:30 PM	15	28	0	8	72	18	24	42	25	3	72	18	325
03:45 PM	11	45	1	13	69	14	24	42	13	1	60	13	306
Total	58	146	3	41	280	66	92	158	79	9	234	55	1221
04:00 PM	14	39	0	9	65	21	32	42	8	0	64	12	306
04:15 PM	24	39	2	6	78	13	16	33	16	1	42	15	285
04:30 PM	17	33	1	11	70	21	17	40	24	6	57	35	332
04:45 PM	16	40	4	15	94	16	27	33	40	2	71	13	371
Total	71	151	7	41	307	71	92	148	88	9	234	75	1294
05:00 PM	11	39	2	8	91	19	29	36	21	1	71	4	332
05:15 PM	14	31	3	6	103	20	45	33	19	3	58	9	344
05:30 PM	10	14	2	9	89	21	36	36	16	3	59	12	307
05:45 PM	17	35	1	13	74	18	24	31	22	3	53	15	306
Total	52	119	8	36	357	78	134	136	78	10	241	40	1289
06:00 PM	8	40	1	9	81	16	25	27	9	6	67	9	298
06:15 PM	17	31	2	8	86	18	32	30	15	1	53	8	301
06:30 PM	15	22	4	19	70	7	14	19	17	3	57	9	256
06:45 PM	13	27	1	13	73	18	16	30	11	2	37	10	251
Total	53	120	8	49	310	59	87	106	52	12	214	36	1106
07:00 PM	8	18	0	7	51	9	14	20	4	1	29	7	168
07:15 PM	5	21	0	10	35	11	5	21	11	0	33	7	159
07:30 PM	11	24	0	7	40	7	7	19	3	1	17	2	138
07:45 PM	10	17	0	4	27	8	5	15	9	1	22	10	128
Total	34	80	0	28	153	35	31	75	27	3	101	26	593
08:00 PM	7	16	0	6	30	7	4	17	7	0	14	9	117
08:15 PM	5	18	0	8	27	9	6	20	11	0	4	10	118
08:30 PM	3	17	0	2	27	8	7	12	25	0	13	9	123
08:45 PM	7	15	0	7	18	3	12	11	22	0	13	8	116
Total	22	66	0	23	102	27	29	60	65	0	44	36	474
09:00 PM	2	16	1	5	20	7	12	26	44	0	8	9	150
09:15 PM	2	7	0	9	24	15	14	24	36	0	7	8	146
09:30 PM	1	11	0	11	24	7	20	21	28	0	12	8	143
09:45 PM	1	11	0	6	9	4	4	5	18	0	4	10	72
Total	6	45	1	31	77	33	50	76	126	0	31	35	511
Grand Total	296	727	27	249	1586	369	515	759	515	43	1099	303	6488
Apprch %	28.2	69.2	2.6	11.3	72	16.7	28.8	42.4	28.8	3	76.1	21	
Total %	4.6	11.2	0.4	3.8	24.4	5.7	7.9	11.7	7.9	0.7	16.9	4.7	
Cars	294	725	27	249	1582	369	510	754	514	43	1097	303	6467
% Cars	99.3	99.7	100	100	99.7	100	99	99.3	99.8	100	99.8	100	99.7
Trucks	2	2	0	0	4	0	5	5	1	0	2	0	21
% Trucks	0.7	0.3	0	0	0.3	0	1	0.7	0.2	0	0.2	0	0.3

	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	**17**	33	1	51	11	70	**21**	102	17	**40**	24	81	**6**	57	**35**	**98**	332
04:45 PM	16	**40**	**4**	**60**	**15**	94	16	125	27	33	**40**	**100**	2	**71**	13	86	**371**
05:00 PM	11	39	2	52	8	91	19	118	29	36	21	86	1	71	4	76	332
05:15 PM	14	31	3	48	6	**103**	20	**129**	**45**	33	19	97	3	58	9	70	344
Total Volume	58	143	10	211	40	358	76	474	118	142	104	364	12	257	61	330	1379
% App. Total	27.5	67.8	4.7		8.4	75.5	16		32.4	39	28.6		3.6	77.9	18.5		
PHF	.853	.894	.625	.879	.667	.869	.905	.919	.656	.888	.650	.910	.500	.905	.436	.842	.929
Cars	58	142	10	210	40	358	76	474	116	142	104	362	12	257	61	330	1376
% Cars	100	99.3	100	99.5	100	100	100	100	98.3	100	100	99.5	100	100	100	100	99.8
Trucks	0	1	0	1	0	0	0	0	2	0	0	2	0	0	0	0	3
% Trucks	0	0.7	0	0.5	0	0	0	0	1.7	0	0	0.5	0	0	0	0	0.2

Accurate Counts
978-664-2565



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:45 PM				04:45 PM				04:30 PM			
+0 mins.	14	39	0	53	**15**	94	16	125	27	33	**40**	**100**	**6**	57	**35**	**98**
+15 mins.	**24**	39	2	**65**	8	91	19	118	29	**36**	21	86	2	**71**	13	86
+30 mins.	17	33	1	51	6	**103**	20	**129**	**45**	33	19	97	1	71	4	76
+45 mins.	16	**40**	**4**	60	9	89	**21**	119	36	36	16	88	3	58	9	70
Total Volume	71	151	7	229	38	377	76	491	137	138	96	371	12	257	61	330
% App. Total	31	65.9	3.1		7.7	76.8	15.5		36.9	37.2	25.9		3.6	77.9	18.5	
PHF	.740	.944	.438	.881	.633	.915	.905	.952	.761	.958	.600	.928	.500	.905	.436	.842
Cars	71	150	7	228	38	376	76	490	134	136	96	366	12	257	61	330
% Cars	100	99.3	100	99.6	100	99.7	100	99.8	97.8	98.6	100	98.7	100	100	100	100
Trucks	0	1	0	1	0	1	0	1	3	2	0	5	0	0	0	0
% Trucks	0	0.7	0	0.4	0	0.3	0	0.2	2.2	1.4	0	1.3	0	0	0	0

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 1

Groups Printed- Bikes Peds

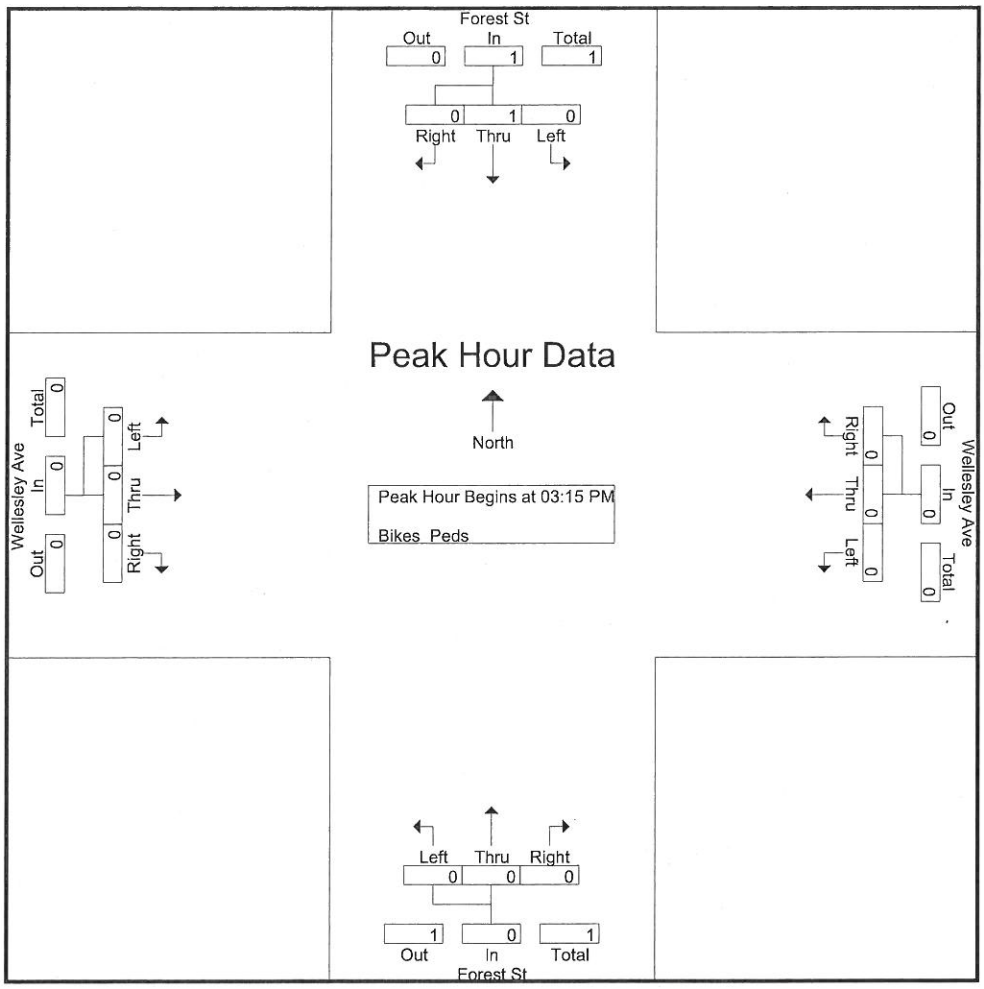
	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West						
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	2
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	5	0	5
04:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	1	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	4
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	14	16	1	17
Apprch %	0	100	0		0	0	0		0	0	0		0	0	0				
Total %	0	100	0		0	0	0		0	0	0		0	0	0		94.1	5.9	

	Forest St From North				Wellesley Ave From East				Forest St From South				Wellesley Ave From West				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 03:15 PM																	
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
% App. Total	0	100	0		0	0	0		0	0	0		0	0	0		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120001
Site Code : 12120001
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:15 PM				03:00 PM				03:00 PM				03:00 PM			
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	**1**	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
% App. Total	0	100	0		0	0	0		0	0	0		0	0	0	
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

Accurate Counts
978-664-2565

N/S Street : Babson Main Entrance
E/W Street : Forest Street
City/State : Wellesley, MA
Weather : Clear

File Name : 12120002
Site Code : 12120002
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

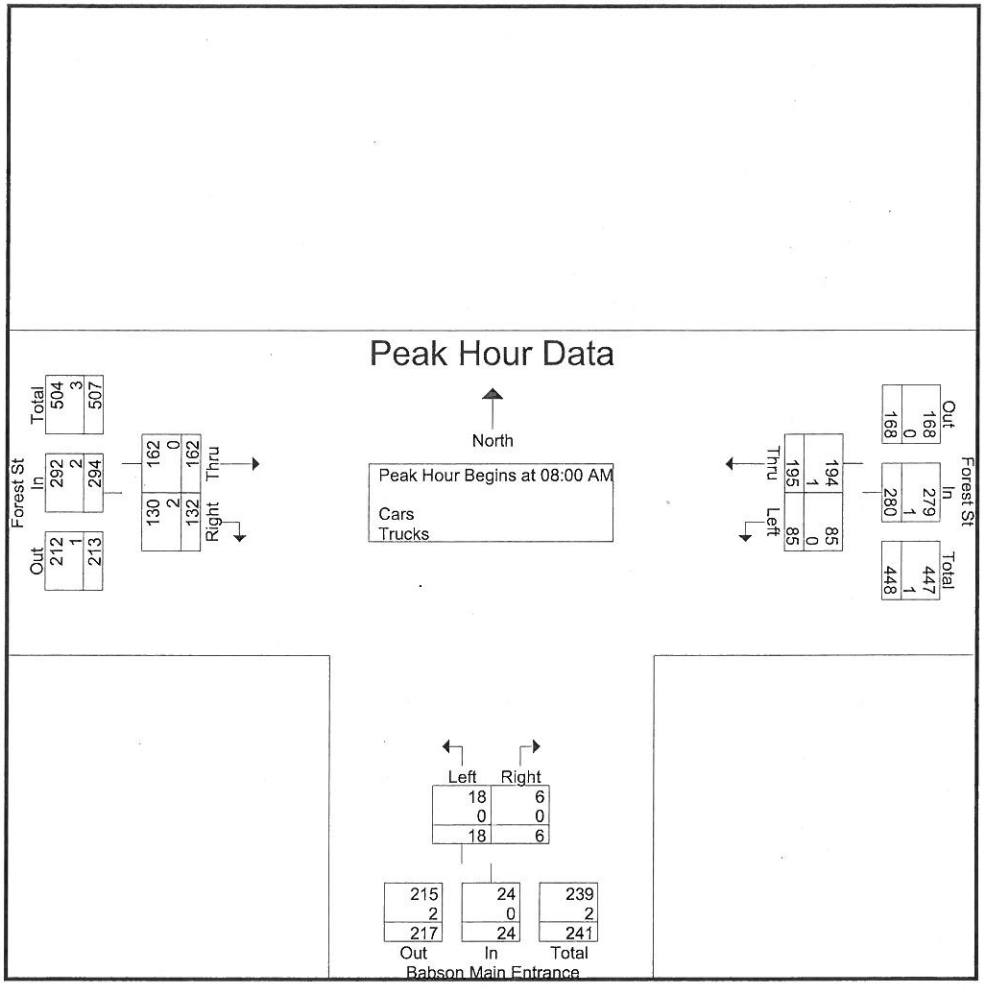
	Forest St From East		Babson Main Entrance From South		Forest St From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	7	24	8	4	23	13	79
07:15 AM	6	39	1	2	25	16	89
07:30 AM	8	32	1	5	32	7	85
07:45 AM	13	45	5	2	30	30	125
Total	34	140	15	13	110	66	378
08:00 AM	19	46	2	1	43	31	142
08:15 AM	28	54	5	3	42	41	173
08:30 AM	23	49	4	0	46	35	157
08:45 AM	15	46	7	2	31	25	126
Total	85	195	18	6	162	132	598
Grand Total	119	335	33	19	272	198	976
Apprch %	26.2	73.8	63.5	36.5	57.9	42.1	
Total %	12.2	34.3	3.4	1.9	27.9	20.3	
Cars	119	331	32	19	266	196	963
% Cars	100	98.8	97	100	97.8	99	98.7
Trucks	0	4	1	0	6	2	13
% Trucks	0	1.2	3	0	2.2	1	1.3

	Forest St From East			Babson Main Entrance From South			Forest St From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 08:00 AM										
08:00 AM	19	46	65	2	1	3	43	31	74	142
08:15 AM	**28**	**54**	**82**	5	**3**	8	42	**41**	**83**	**173**
08:30 AM	23	49	72	4	0	4	**46**	35	81	157
08:45 AM	15	46	61	**7**	2	**9**	31	25	56	126
Total Volume	85	195	280	18	6	24	162	132	294	598
% App. Total	30.4	69.6		75	25		55.1	44.9		
PHF	.759	.903	.854	.643	.500	.667	.880	.805	.886	.864
Cars	85	194	279	18	6	24	162	130	292	595
% Cars	100	99.5	99.6	100	100	100	100	98.5	99.3	99.5
Trucks	0	1	1	0	0	0	0	2	2	3
% Trucks	0	0.5	0.4	0	0	0	0	1.5	0.7	0.5

Accurate Counts
978-664-2565

N/S Street : Babson Main Entrance
E/W Street : Forest Street
City/State : Wellesley, MA
Weather : Clear

File Name : 12120002
Site Code : 12120002
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	08:00 AM			07:00 AM			07:45 AM		
+0 mins.	19	46	65	**8**	4	**12**	30	30	60
+15 mins.	**28**	**54**	**82**	1	2	3	43	31	74
+30 mins.	23	49	72	1	**5**	6	42	**41**	**83**
+45 mins.	15	46	61	5	2	7	**46**	35	81
Total Volume	85	195	280	15	13	28	161	137	298
% App. Total	30.4	69.6		53.6	46.4		54	46	
PHF	.759	.903	.854	.469	.650	.583	.875	.835	.898
Cars	85	194	279	14	13	27	161	135	296
% Cars	100	99.5	99.6	93.3	100	96.4	100	98.5	99.3
Trucks	0	1	1	1	0	1	0	2	2
% Trucks	0	0.5	0.4	6.7	0	3.6	0	1.5	0.7

Accurate Counts
978-664-2565

N/S Street : Babson Main Entrance
E/W Street : Forest Street
City/State : Wellesley, MA
Weather : Clear

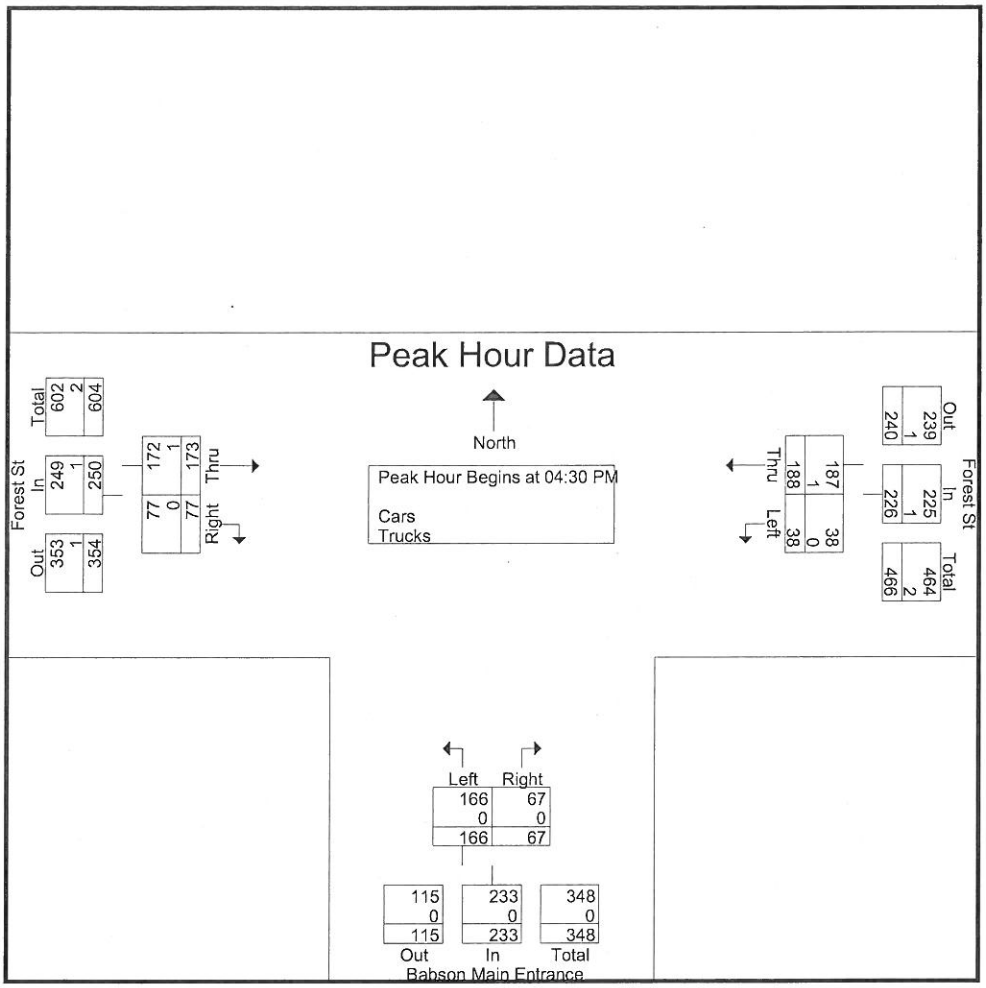
File Name : 12120002
Site Code : 12120002
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

	Forest St From East		Babson Main Entrance From South		Forest St From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
03:00 PM	9	41	36	12	50	10	158
03:15 PM	4	49	34	14	38	21	160
03:30 PM	4	51	44	13	40	12	164
03:45 PM	7	50	20	5	46	16	144
Total	24	191	134	44	174	59	626
04:00 PM	6	59	24	11	50	17	167
04:15 PM	3	39	26	10	44	12	134
04:30 PM	6	45	46	32	67	20	216
04:45 PM	11	43	45	12	43	21	175
Total	26	186	141	65	204	70	692
05:00 PM	12	46	45	9	30	22	164
05:15 PM	9	54	30	14	33	14	154
05:30 PM	10	60	23	10	18	19	140
05:45 PM	7	53	28	11	38	18	155
Total	38	213	126	44	119	73	613
06:00 PM	12	36	27	10	35	21	141
06:15 PM	5	47	27	5	28	19	131
06:30 PM	8	25	26	10	24	23	116
06:45 PM	3	35	22	9	19	31	119
Total	28	143	102	34	106	94	507
07:00 PM	2	15	22	9	17	13	78
07:15 PM	6	16	19	7	19	19	86
07:30 PM	7	16	15	9	14	21	82
07:45 PM	14	12	17	9	18	16	86
Total	29	59	73	34	68	69	332
08:00 PM	6	13	16	6	12	18	71
08:15 PM	5	7	29	10	22	13	86
08:30 PM	5	8	35	7	11	17	83
08:45 PM	5	12	37	10	11	18	93
Total	21	40	117	33	56	66	333
09:00 PM	5	15	68	17	12	18	135
09:15 PM	8	9	74	15	9	19	134
09:30 PM	5	8	60	11	9	20	113
09:45 PM	5	7	19	15	8	21	75
Total	23	39	221	58	38	78	457
Grand Total	189	871	914	312	765	509	3560
Apprch %	17.8	82.2	74.6	25.4	60	40	
Total %	5.3	24.5	25.7	8.8	21.5	14.3	
Cars	188	866	914	312	764	509	3553
% Cars	99.5	99.4	100	100	99.9	100	99.8
Trucks	1	5	0	0	1	0	7
% Trucks	0.5	0.6	0	0	0.1	0	0.2

	Forest St From East			Babson Main Entrance From South			Forest St From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	6	45	51	**46**	**32**	**78**	**67**	20	**87**	**216**
04:45 PM	11	43	54	45	12	57	43	21	64	175
05:00 PM	**12**	46	58	45	9	54	30	**22**	52	164
05:15 PM	9	**54**	**63**	30	14	44	33	14	47	154
Total Volume	38	188	226	166	67	233	173	77	250	709
% App. Total	16.8	83.2		71.2	28.8		69.2	30.8		
PHF	.792	.870	.897	.902	.523	.747	.646	.875	.718	.821
Cars	38	187	225	166	67	233	172	77	249	707
% Cars	100	99.5	99.6	100	100	100	99.4	100	99.6	99.7
Trucks	0	1	1	0	0	0	1	0	1	2
% Trucks	0	0.5	0.4	0	0	0	0.6	0	0.4	0.3

Accurate Counts
978-664-2565



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	05:00 PM			08:45 PM			04:00 PM		
+0 mins.	**12**	46	58	37	10	47	50	17	67
+15 mins.	9	54	63	68	**17**	85	44	12	56
+30 mins.	10	**60**	**70**	**74**	15	**89**	**67**	20	**87**
+45 mins.	7	53	60	60	11	71	43	**21**	64
Total Volume	38	213	251	239	53	292	204	70	274
% App. Total	15.1	84.9		81.8	18.2		74.5	25.5	
PHF	.792	.888	.896	.807	.779	.820	.761	.833	.787
Cars	38	211	249	239	53	292	203	70	273
% Cars	100	99.1	99.2	100	100	100	99.5	100	99.6
Trucks	0	2	2	0	0	0	1	0	1
% Trucks	0	0.9	0.8	0	0	0	0.5	0	0.4

Accurate Counts
978-664-2565

N/S Street : Babson Main Entrance
E/W Street : Forest Street
City/State : Wellesley, MA
Weather : Clear

File Name : 12120002
Site Code : 12120002
Start Date : 11/14/2012
Page No : 1

Groups Printed- Bikes Peds

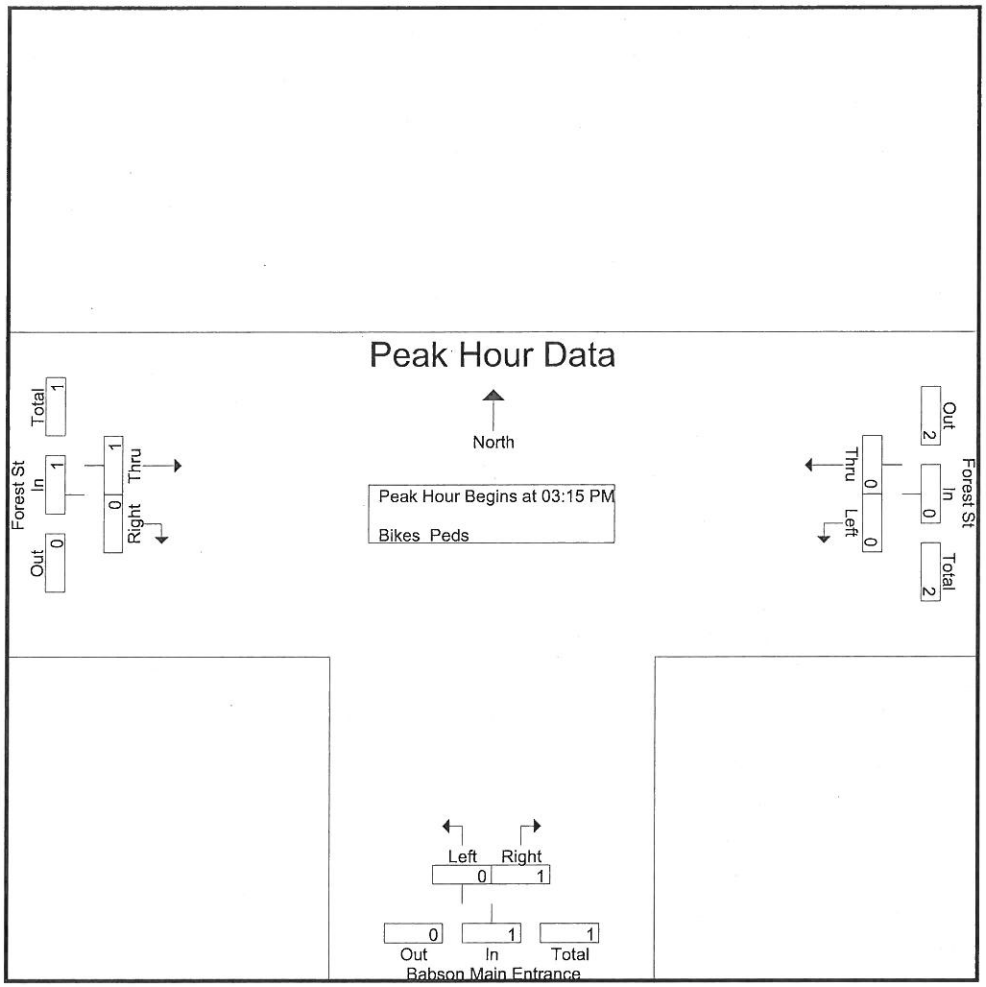
	Forest St From East			Babson Main Entrance From South			Forest St From West					
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	1	0	0	0	1	1
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	0	1	1
04:00 PM	0	0	0	0	1	0	0	0	0	0	1	1
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0	0	0	1	1
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	1	0	1	0	0	0	2	2
Apprch %	0	0		0	100		100	0				
Total %	0	0		0	50		50	0		0	100	

	Forest St From East			Babson Main Entrance From South			Forest St From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:15 PM										
03:15 PM	0	0	0	0	0	0	**1**	0	**1**	**1**
03:30 PM	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	**1**	**1**	0	0	0	1
Total Volume	0	0	0	0	1	1	1	0	1	2
% App. Total	0	0		0	100		100	0		
PHF	.000	.000	.000	.000	.250	.250	.250	.000	.250	.500

Accurate Counts
978-664-2565

N/S Street : Babson Main Entrance
E/W Street : Forest Street
City/State : Wellesley, MA
Weather : Clear

File Name : 12120002
Site Code : 12120002
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:00 PM			03:15 PM			03:00 PM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	**1**	0	**1**
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	**1**	**1**	0	0	0
Total Volume	0	0	0	0	1	1	1	0	1
% App. Total	0	0		0	100		100	0	
PHF	.000	.000	.000	.000	.250	.250	.250	.000	.250

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

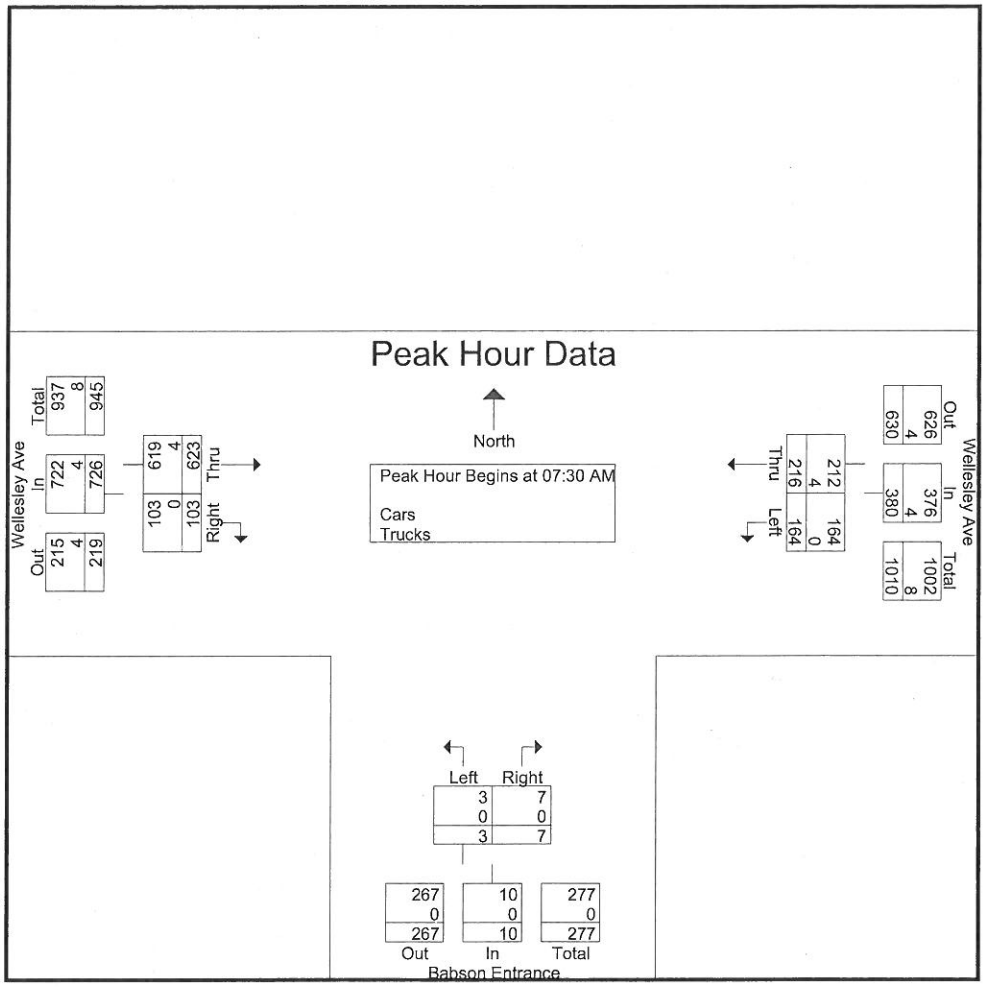
	Wellesley Ave From East		Babson Entrance From South		Wellesley Ave From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	8	34	2	1	127	10	182
07:15 AM	33	55	0	4	146	6	244
07:30 AM	36	71	0	0	164	17	288
07:45 AM	43	52	2	1	163	24	285
Total	120	212	4	6	600	57	999
08:00 AM	32	45	1	1	149	29	257
08:15 AM	53	48	0	5	147	33	286
08:30 AM	24	63	1	5	151	31	275
08:45 AM	16	48	4	0	141	18	227
Total	125	204	6	11	588	111	1045
Grand Total	245	416	10	17	1188	168	2044
Apprch %	37.1	62.9	37	63	87.6	12.4	
Total %	12	20.4	0.5	0.8	58.1	8.2	
Cars	244	411	10	17	1180	168	2030
% Cars	99.6	98.8	100	100	99.3	100	99.3
Trucks	1	5	0	0	8	0	14
% Trucks	0.4	1.2	0	0	0.7	0	0.7

	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Hour for Entire Intersection Begins at 07:30 AM										
07:30 AM	36	**71**	**107**	0	0	0	**164**	17	181	**288**
07:45 AM	43	52	95	**2**	1	3	163	24	**187**	285
08:00 AM	32	45	77	1	1	2	149	29	178	257
08:15 AM	**53**	48	101	0	**5**	**5**	147	**33**	180	286
Total Volume	164	216	380	3	7	10	623	103	726	1116
% App. Total	43.2	56.8		30	70		85.8	14.2		
PHF	.774	.761	.888	.375	.350	.500	.950	.780	.971	.969
Cars	164	212	376	3	7	10	619	103	722	1108
% Cars	100	98.1	98.9	100	100	100	99.4	100	99.4	99.3
Trucks	0	4	4	0	0	0	4	0	4	8
% Trucks	0	1.9	1.1	0	0	0	0.6	0	0.6	0.7

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM			08:00 AM			07:45 AM		
+0 mins.	36	**71**	**107**	1	1	2	**163**	24	**187**
+15 mins.	43	52	95	0	**5**	5	149	29	178
+30 mins.	32	45	77	1	5	**6**	147	**33**	180
+45 mins.	**53**	48	101	**4**	0	4	151	31	182
Total Volume	164	216	380	6	11	17	610	117	727
% App. Total	43.2	56.8		35.3	64.7		83.9	16.1	
PHF	.774	.761	.888	.375	.550	.708	.936	.886	.972
Cars	164	212	376	6	11	17	607	117	724
% Cars	100	98.1	98.9	100	100	100	99.5	100	99.6
Trucks	0	4	4	0	0	0	3	0	3
% Trucks	0	1.9	1.1	0	0	0	0.5	0	0.4

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 1

Groups Printed- Bikes Peds

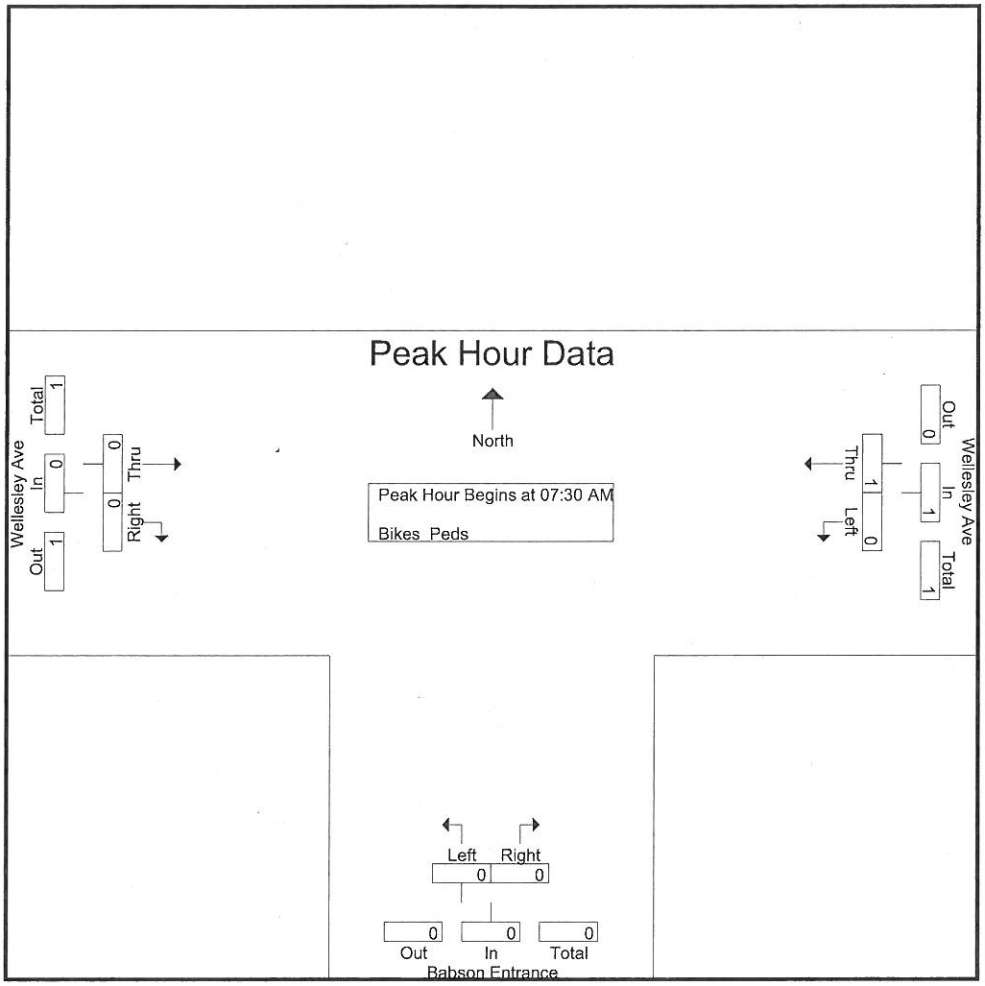
	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West					
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	1	1	0	1
07:45 AM	0	0	1	0	0	0	0	0	0	1	0	1
Total	0	0	1	0	0	0	0	0	1	2	0	2
08:00 AM	0	0	1	0	0	0	0	0	0	1	0	1
08:15 AM	0	1	0	0	0	0	0	0	0	0	1	1
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	1	0	0	0	0	0	0	1	1	2
Grand Total	0	1	2	0	0	0	0	0	1	3	1	4
Apprch %	0	100		0	0		0	0				
Total %	0	100		0	0		0	0		75	25	

	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:30 AM										
07:30 AM	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0
08:00 AM	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	1	1	0	0	0	0	0	0	1
Total Volume	0	1	1	0	0	0	0	0	0	1
% App. Total	0	100		0	0		0	0		
PHF	.000	.250	.250	.000	.000	.000	.000	.000	.000	.250

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM			07:00 AM			07:00 AM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	**1**	**1**	0	0	0	0	0	0
Total Volume	0	1	1	0	0	0	0	0	0
% App. Total	0	100		0	0		0	0	
PHF	.000	.250	.250	.000	.000	.000	.000	.000	.000

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

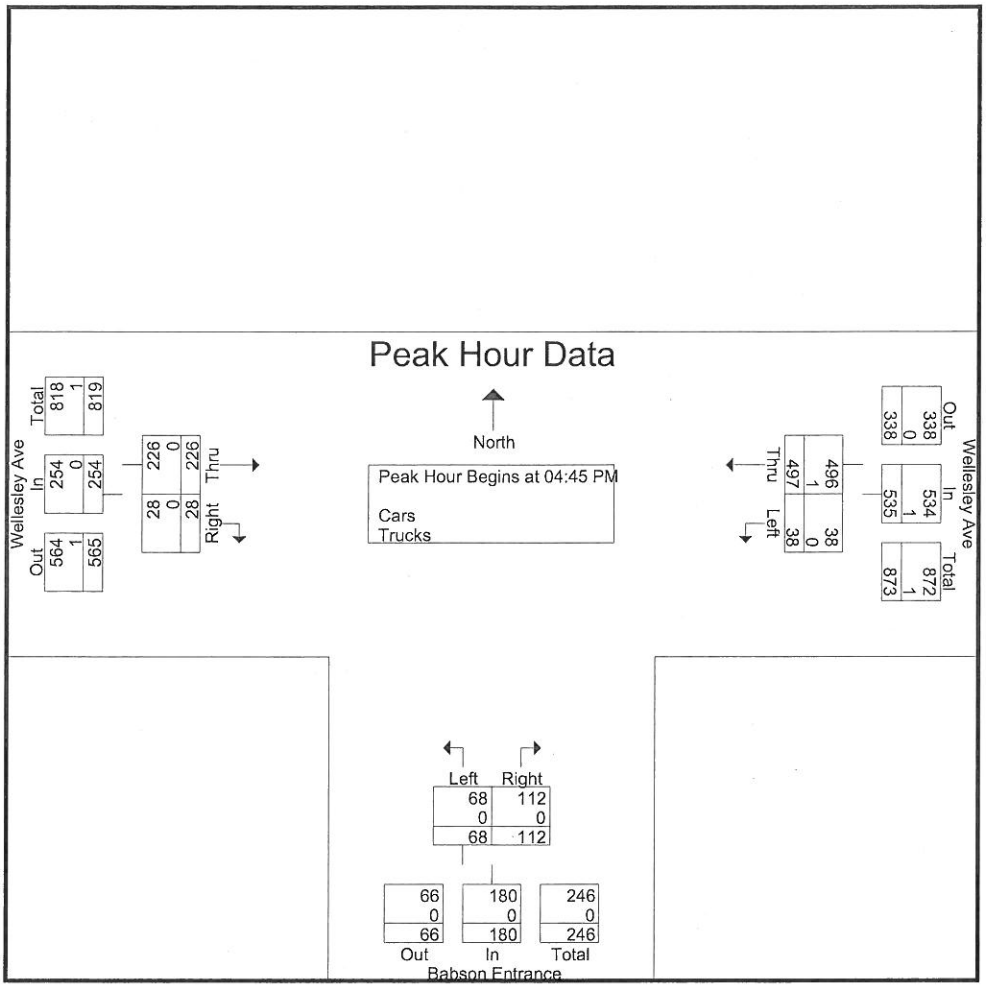
File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 1

Groups Printed- Cars - Trucks

	Wellesley Ave From East		Babson Entrance From South		Wellesley Ave From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
03:00 PM	9	75	13	19	64	9	189
03:15 PM	8	104	14	18	48	5	197
03:30 PM	11	90	16	24	70	6	217
03:45 PM	9	94	14	9	75	7	208
Total	37	363	57	70	257	27	811
04:00 PM	6	99	16	18	57	2	198
04:15 PM	10	92	11	22	39	6	180
04:30 PM	6	84	33	51	57	7	238
04:45 PM	13	116	15	29	58	6	237
Total	35	391	75	120	211	21	853
05:00 PM	7	120	21	27	57	9	241
05:15 PM	7	147	13	26	54	4	251
05:30 PM	11	114	19	30	57	9	240
05:45 PM	11	95	24	29	54	19	232
Total	36	476	77	112	222	41	964
06:00 PM	10	106	15	26	62	19	238
06:15 PM	21	106	16	24	48	8	223
06:30 PM	13	82	16	24	40	9	184
06:45 PM	6	83	8	13	41	8	159
Total	50	377	55	87	191	44	804
07:00 PM	7	63	11	10	31	4	126
07:15 PM	0	42	9	12	29	2	94
07:30 PM	3	47	11	12	16	7	96
07:45 PM	2	32	11	14	20	4	83
Total	12	184	42	48	96	17	399
08:00 PM	0	49	2	4	13	8	76
08:15 PM	0	36	0	0	16	0	52
08:30 PM	0	32	0	0	28	0	60
08:45 PM	1	33	0	1	21	0	56
Total	1	150	2	5	78	8	244
09:00 PM	1	31	0	1	17	0	50
09:15 PM	0	42	0	0	17	0	59
09:30 PM	0	47	0	0	19	0	66
09:45 PM	0	13	0	0	13	0	26
Total	1	133	0	1	66	0	201
Grand Total	172	2074	308	443	1121	158	4276
Apprch %	7.7	92.3	41	59	87.6	12.4	
Total %	4	48.5	7.2	10.4	26.2	3.7	
Cars	172	2071	306	443	1119	157	4268
% Cars	100	99.9	99.4	100	99.8	99.4	99.8
Trucks	0	3	2	0	2	1	8
% Trucks	0	0.1	0.6	0	0.2	0.6	0.2

	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	**13**	116	129	15	29	44	**58**	6	64	237
05:00 PM	7	120	127	**21**	27	48	57	**9**	**66**	241
05:15 PM	7	**147**	**154**	13	26	39	54	4	58	**251**
05:30 PM	11	114	125	19	**30**	**49**	57	9	66	240
Total Volume	38	497	535	68	112	180	226	28	254	969
% App. Total	7.1	92.9		37.8	62.2		89	11		
PHF	.731	.845	.869	.810	.933	.918	.974	.778	.962	.965
Cars	38	496	534	68	112	180	226	28	254	968
% Cars	100	99.8	99.8	100	100	100	100	100	100	99.9
Trucks	0	1	1	0	0	0	0	0	0	1
% Trucks	0	0.2	0.2	0	0	0	0	0	0	0.1

Accurate Counts
978-664-2565



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM			04:30 PM			03:00 PM		
+0 mins.	**13**	116	129	**33**	**51**	**84**	64	**9**	73
+15 mins.	7	120	127	15	29	44	48	5	53
+30 mins.	7	**147**	**154**	21	27	48	70	6	76
+45 mins.	11	114	125	13	26	39	**75**	7	**82**
Total Volume	38	497	535	82	133	215	257	27	284
% App. Total	7.1	92.9		38.1	61.9		90.5	9.5	
PHF	.731	.845	.869	.621	.652	.640	.857	.750	.866
Cars	38	496	534	82	133	215	255	27	282
% Cars	100	99.8	99.8	100	100	100	99.2	100	99.3
Trucks	0	1	1	0	0	0	2	0	2
% Trucks	0	0.2	0.2	0	0	0	0.8	0	0.7

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 1

Groups Printed- Bikes Peds

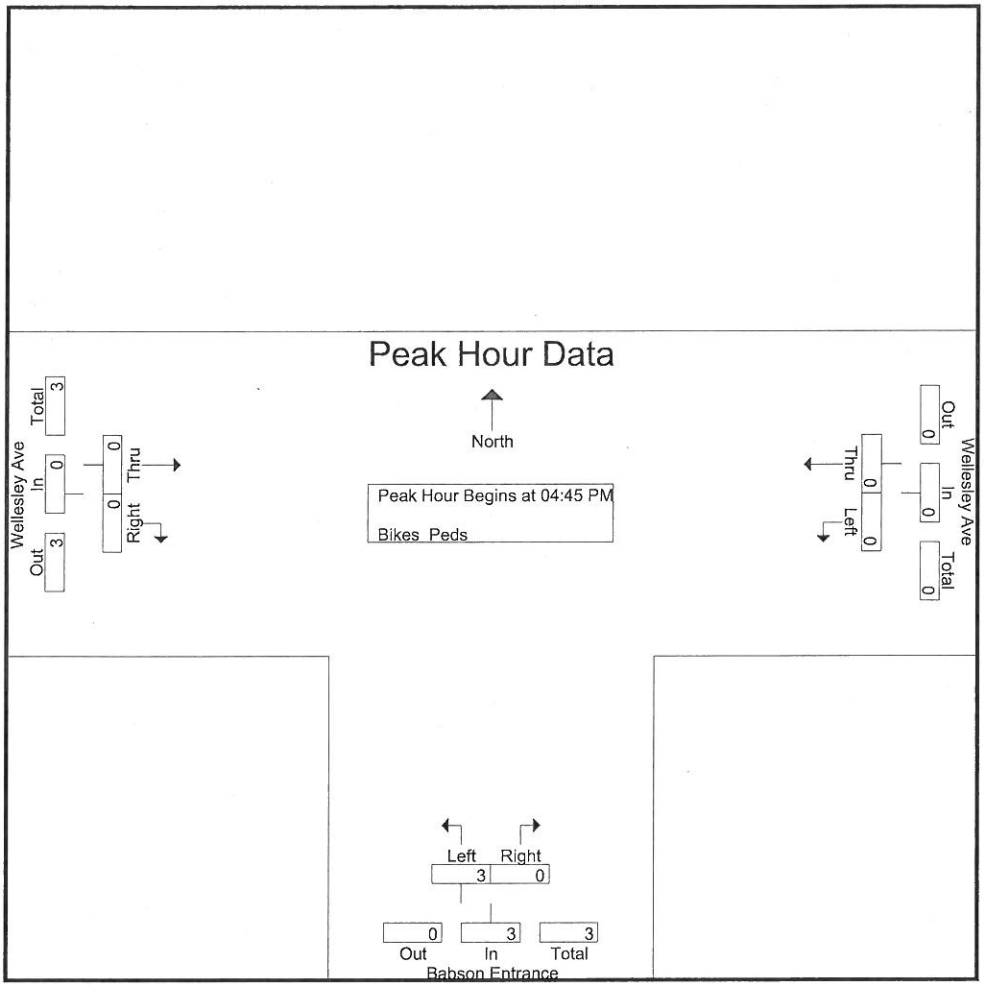
	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West					
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds	Exclu. Total	Inclu. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	1	1	0	1
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	1	1	0	1
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	1	0	1	1	1	2
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	1	1	1	2
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	3	0	0	0	0	0	0	3	3
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	3	0	0	0	0	0	0	3	3
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
09:30 PM	0	1	0	0	0	0	0	0	0	0	1	1
09:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	0	0	0	0	1	1
Grand Total	0	1	0	3	0	0	1	0	2	2	5	7
Apprch %	0	100		100	0		100	0				
Total %	0	20		60	0		20	0		28.6	71.4	

	Wellesley Ave From East			Babson Entrance From South			Wellesley Ave From West			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	**3**	0	**3**	0	0	0	**3**
Total Volume	0	0	0	3	0	3	0	0	0	3
% App. Total	0	0		100	0		0	0		
PHF	.000	.000	.000	.250	.000	.250	.000	.000	.000	.250

Accurate Counts
978-664-2565

N/S Street : Babson Entrance
E/W Street : Wellesley Avenue
City/State : Wellesley, MA
Weather : Clear

File Name : 12120003
Site Code : 12120003
Start Date : 11/14/2012
Page No : 2



Peak Hour Analysis From 03:00 PM to 09:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	08:45 PM			04:45 PM			03:30 PM		
+0 mins.	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	**1**	**1**	**3**	0	**3**	**1**	0	**1**
Total Volume	0	1	1	3	0	3	1	0	1
% App. Total	0	100		100	0		100	0	
PHF	.000	.250	.250	.250	.000	.250	.250	.000	.250

Appendix C: Monthly Traffic Volumes

STATION 415 - NEWTON - RTE.I-95 (128) - SOUTH OF RTE.I-90

YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
06	126,000	126,906	136,149	136,322	140,602	142,863	135,563	142,863	140,973	*141,211*	138,206	133,710	136,781
Adjustment to Avg.	**-7.88%**	**-7.22%**	**-0.46%**	**-0.34%**	**2.79%**	**4.45%**	**-0.89%**	**4.45%**	**3.07%**	**3.24%**	**1.04%**	**-2.24%**	**0.00%**

ITALICS = ESTIMATED DATA

MADT

Appendix D: Capacity Analysis Worksheets

Intersection	
Intersection Delay, s/veh	45.7
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Vol, veh/h	2	488	76	0	264	98	120	146	7	55	133	0
Peak Hour Factor	0.94	0.94	0.94	0.87	0.87	0.87	0.84	0.84	0.84	0.94	0.94	0.94
Heavy Vehicles, %	0	1	1	0	1	0	3	0	0	0	2	0
Mvmt Flow	2	519	81	0	303	113	143	174	8	59	141	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	SE	NW
Opposing Approach	WB	EB	NW	SE
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SE	NW	WB	EB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NW	SE	EB	WB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	67.9	39.2	29.3	19.2
HCM LOS	F	E	D	C

Lane	NWLn1	EBLn1	WBLn1	SELn1
Vol Left, %	29%	0%	0%	44%
Vol Thru, %	71%	86%	73%	53%
Vol Right, %	0%	13%	27%	3%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	188	566	362	273
LT Vol	133	488	264	146
Through Vol	0	76	98	7
RT Vol	55	2	0	120
Lane Flow Rate	200	602	416	325
Geometry Grp	1	1	1	1
Degree of Util (X)	0.478	1	0.846	0.721
Departure Headway (Hd)	8.596	7.342	7.425	7.981
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	422	500	491	452
Service Time	6.596	5.356	5.425	6.079
HCM Lane V/C Ratio	0.474	1.204	0.847	0.719
HCM Control Delay	19.2	67.9	39.2	29.3
HCM Lane LOS	C	F	E	D
HCM 95th-tile Q	2.5	13.5	8.6	5.7

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	168	132	85	195	18	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		50	0		0	150
Median Width	0			0	10	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.89	0.89	0.85	0.85	0.67	0.67
Heavy Vehicles, %	0	2	0	1	0	0
Mvmt Flow	189	148	100	229	27	9
Number of Lanes	1	1	0	1	1	1

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	189	0	618	189
Stage 1	-	-	-	-	189	-
Stage 2	-	-	-	-	429	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1397	-	456	858
Stage 1	-	-	-	-	848	-
Stage 2	-	-	-	-	661	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1397	-	419	858
Mov Capacity-2 Maneuver	-	-	-	-	419	-
Stage 1	-	-	-	-	848	-
Stage 2	-	-	-	-	607	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.4	13
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Cap, veh/h	419	858	-	-	1397	-
HCM Control Delay, s	14.2	9.2	-	-	7.776	0
HCM Lane V/C Ratio	0.06	0.01	-	-	0.07	-
HCM Lane LOS	B	A	-	-	A	A
HCM 95th-tile Q, veh	0.2	0.0	-	-	0.2	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	623	103	164	216	3	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.97	0.97	0.89	0.89	0.50	0.50
Heavy Vehicles, %	1	0	0	2	0	0
Mvmt Flow	642	106	184	243	6	14
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	748	0	1306	695
Stage 1	-	-	-	-	695	-
Stage 2	-	-	-	-	611	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	870	-	178	446
Stage 1	-	-	-	-	499	-
Stage 2	-	-	-	-	546	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	870	-	135	446
Mov Capacity-2 Maneuver	-	-	-	-	135	-
Stage 1	-	-	-	-	499	-
Stage 2	-	-	-	-	413	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4.4	19.8
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	264	-	-	870	-
HCM Control Delay, s	19.8	-	-	10.246	0
HCM Lane V/C Ratio	0.08	-	-	0.21	-
HCM Lane LOS	C	-	-	B	A
HCM 95th-tile Q, veh	0.2	-	-	0.8	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	608	0	78	362	0	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	2	0	0	0	0	0
Mvmt Flow	676	0	87	402	0	28
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	676	0	1252	676
Stage 1	-	-	-	-	676	-
Stage 2	-	-	-	-	576	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	925	-	192	457
Stage 1	-	-	-	-	509	-
Stage 2	-	-	-	-	566	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	925	-	169	457
Mov Capacity-2 Maneuver	-	-	-	-	169	-
Stage 1	-	-	-	-	509	-
Stage 2	-	-	-	-	498	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.6	13.4
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	457	-	-	925	-
HCM Control Delay, s	13.4	-	-	9.294	0
HCM Lane V/C Ratio	0.06	-	-	0.09	-
HCM Lane LOS	B	-	-	A	A
HCM 95th-tile Q, veh	0.2	-	-	0.3	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	0	222	188	25	78	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade, %		0%	0%		0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	1	1	0	1	0
Mvmt Flow	0	247	209	28	87	0
Number of Lanes	0	1	1	0	1	0

Major/Minor	Major 1		Major 2			
Conflicting Flow All	237	0	-	0	470	223
Stage 1	-	-	-	-	223	-
Stage 2	-	-	-	-	247	-
Follow-up Headway	2.2	-	-	-	3.509	3.3
Pot Capacity-1 Maneuver	1342	-	-	-	554	822
Stage 1	-	-	-	-	816	-
Stage 2	-	-	-	-	796	-
Time blocked-Platoon, %	0	-	-	-	0	0
Mov Capacity-1 Maneuver	1342	-	-	-	554	822
Mov Capacity-2 Maneuver	-	-	-	-	554	-
Stage 1	-	-	-	-	816	-
Stage 2	-	-	-	-	796	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	12.7
HCM LOS	-	-	B

Minor Lane / Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Cap, veh/h	1342	-	-	-	554
HCM Control Delay, s	0	-	-	-	12.7
HCM Lane V/C Ratio	-	-	-	-	0.16
HCM Lane LOS	A	-	-	-	B
HCM 95th-tile Q, veh	0.0	-	-	-	0.6

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	38.1
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Vol, veh/h	12	257	63	0	358	76	58	146	10	118	142	0
Peak Hour Factor	0.84	0.84	0.84	0.92	0.92	0.92	0.88	0.88	0.88	0.91	0.91	0.91
Heavy Vehicles, %	0	0	0	0	0	0	0	1	0	2	0	0
Mvmt Flow	14	306	75	0	389	83	66	166	11	130	156	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	SE	NW
Opposing Approach	WB	EB	NW	SE
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SE	NW	WB	EB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NW	SE	EB	WB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	36.4	55.9	21.5	25.4
HCM LOS	E	F	C	D

Lane	NWLn1	EBLn1	WBLn1	SELn1
Vol Left, %	45%	4%	0%	27%
Vol Thru, %	55%	77%	82%	68%
Vol Right, %	0%	19%	18%	5%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	260	332	434	214
LT Vol	142	257	358	146
Through Vol	0	63	76	10
RT Vol	118	12	0	58
Lane Flow Rate	286	395	472	243
Geometry Grp	1	1	1	1
Degree of Util (X)	0.65	0.819	0.949	0.56
Departure Headway (Hd)	8.192	7.459	7.243	8.296
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	440	482	500	433
Service Time	6.273	5.532	5.312	6.382
HCM Lane V/C Ratio	0.65	0.82	0.944	0.561
HCM Control Delay	25.4	36.4	55.9	21.5
HCM Lane LOS	D	E	F	C
HCM 95th-tile Q	4.5	7.9	11.8	3.3

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	5.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	173	77	38	198	166	67
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		50	0		0	150
Median Width	0			0	10	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.72	0.72	0.90	0.90	0.75	0.75
Heavy Vehicles, %	1	0	0	1	0	0
Mvmt Flow	240	107	42	220	221	89
Number of Lanes	1	1	0	1	1	1

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	240	0	544	240
Stage 1	-	-	-	-	240	-
Stage 2	-	-	-	-	304	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1339	-	504	804
Stage 1	-	-	-	-	805	-
Stage 2	-	-	-	-	753	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1339	-	486	804
Mov Capacity-2 Maneuver	-	-	-	-	486	-
Stage 1	-	-	-	-	805	-
Stage 2	-	-	-	-	726	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.3	16.1
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Cap, veh/h	486	804	-	-	1339	-
HCM Control Delay, s	18.5	10	-	-	7.776	0
HCM Lane V/C Ratio	0.46	0.11	-	-	0.03	-
HCM Lane LOS	C	B	-	-	A	A
HCM 95th-tile Q, veh	2.3	0.4	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	3.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	226	28	38	497	68	112
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.96	0.96	0.87	0.87	0.92	0.92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	235	29	44	571	74	122
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	265	0	909	250
Stage 1	-	-	-	-	250	-
Stage 2	-	-	-	-	659	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1311	-	308	794
Stage 1	-	-	-	-	796	-
Stage 2	-	-	-	-	518	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1311	-	293	794
Mov Capacity-2 Maneuver	-	-	-	-	293	-
Stage 1	-	-	-	-	796	-
Stage 2	-	-	-	-	493	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	17.5
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	482	-	-	1311	-
HCM Control Delay, s	17.5	-	-	7.841	0
HCM Lane V/C Ratio	0.41	-	-	0.03	-
HCM Lane LOS	C	-	-	A	A
HCM 95th-tile Q, veh	1.9	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	315	0	41	434	0	104
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	350	0	46	482	0	116
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	350	0	923	350
Stage 1	-	-	-	-	350	-
Stage 2	-	-	-	-	573	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1220	-	302	698
Stage 1	-	-	-	-	718	-
Stage 2	-	-	-	-	568	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1220	-	286	698
Mov Capacity-2 Maneuver	-	-	-	-	286	-
Stage 1	-	-	-	-	718	-
Stage 2	-	-	-	-	538	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.7	11.2
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	698	-	-	1220	-
HCM Control Delay, s	11.2	-	-	8.065	0
HCM Lane V/C Ratio	0.17	-	-	0.04	-
HCM Lane LOS	B	-	-	A	A
HCM 95th-tile Q, veh	0.6	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	0.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	0	209	260	104	41	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade, %		0%	0%		0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	1	1	0	0	0
Mvmt Flow	0	232	289	116	46	0
Number of Lanes	0	1	1	0	1	0

Major/Minor	Major 1		Major 2			
Conflicting Flow All	404	0	-	0	579	347
Stage 1	-	-	-	-	347	-
Stage 2	-	-	-	-	232	-
Follow-up Headway	2.2	-	-	-	3.5	3.3
Pot Capacity-1 Maneuver	1166	-	-	-	481	701
Stage 1	-	-	-	-	720	-
Stage 2	-	-	-	-	811	-
Time blocked-Platoon, %	0	-	-	-	0	0
Mov Capacity-1 Maneuver	1166	-	-	-	481	701
Mov Capacity-2 Maneuver	-	-	-	-	481	-
Stage 1	-	-	-	-	720	-
Stage 2	-	-	-	-	811	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	13.3
HCM LOS	-	-	B

Minor Lane / Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Cap, veh/h	1166	-	-	-	481
HCM Control Delay, s	0	-	-	-	13.3
HCM Lane V/C Ratio	-	-	-	-	0.10
HCM Lane LOS	A	-	-	-	B
HCM 95th-tile Q, veh	0.0	-	-	-	0.3

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	50.9
Intersection LOS	F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Vol, veh/h	2	512	81	0	276	102	125	154	7	59	141	0
Peak Hour Factor	0.94	0.94	0.94	0.87	0.87	0.87	0.84	0.84	0.84	0.94	0.94	0.94
Heavy Vehicles, %	0	1	1	0	1	0	3	0	0	0	2	0
Mvmt Flow	2	545	86	0	317	117	149	183	8	63	150	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	SE	NW
Opposing Approach	WB	EB	NW	SE
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SE	NW	WB	EB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NW	SE	EB	WB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	69.7	50.6	34.7	21.3
HCM LOS	F	F	D	C

Lane	NWLn1	EBLn1	WBLn1	SELn1
Vol Left, %	29%	0%	0%	44%
Vol Thru, %	71%	86%	73%	54%
Vol Right, %	0%	14%	27%	2%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	200	595	378	286
LT Vol	141	512	276	154
Through Vol	0	81	102	7
RT Vol	59	2	0	125
Lane Flow Rate	213	633	434	340
Geometry Grp	1	1	1	1
Degree of Util (X)	0.525	1	0.913	0.776
Departure Headway (Hd)	8.882	7.702	7.68	8.322
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	409	475	474	439
Service Time	6.882	5.72	5.68	6.322
HCM Lane V/C Ratio	0.521	1.333	0.916	0.774
HCM Control Delay	21.3	69.7	50.6	34.7
HCM Lane LOS	C	F	F	D
HCM 95th-tile Q	3	13.2	10.4	6.7

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	187	132	85	210	18	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		50	0		0	150
Median Width	0			0	10	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.89	0.89	0.85	0.85	0.67	0.67
Heavy Vehicles, %	0	2	0	1	0	0
Mvmt Flow	210	148	100	247	27	9
Number of Lanes	1	1	0	1	1	1

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	210	0	657	210
Stage 1	-	-	-	-	210	-
Stage 2	-	-	-	-	447	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1373	-	433	835
Stage 1	-	-	-	-	830	-
Stage 2	-	-	-	-	649	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1373	-	397	835
Mov Capacity-2 Maneuver	-	-	-	-	397	-
Stage 1	-	-	-	-	830	-
Stage 2	-	-	-	-	594	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.3	13.4
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Cap, veh/h	397	835	-	-	1373	-
HCM Control Delay, s	14.7	9.4	-	-	7.828	0
HCM Lane V/C Ratio	0.07	0.01	-	-	0.07	-
HCM Lane LOS	B	A	-	-	A	A
HCM 95th-tile Q, veh	0.2	0.0	-	-	0.2	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	655	103	164	227	3	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.97	0.97	0.89	0.89	0.50	0.50
Heavy Vehicles, %	1	0	0	2	0	0
Mvmt Flow	675	106	184	255	6	14
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	781	0	1352	728
Stage 1	-	-	-	-	728	-
Stage 2	-	-	-	-	624	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	845	-	167	427
Stage 1	-	-	-	-	482	-
Stage 2	-	-	-	-	538	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	845	-	125	427
Mov Capacity-2 Maneuver	-	-	-	-	125	-
Stage 1	-	-	-	-	482	-
Stage 2	-	-	-	-	401	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4.4	20.8
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	248	-	-	845	-
HCM Control Delay, s	20.8	-	-	10.445	0
HCM Lane V/C Ratio	0.08	-	-	0.22	-
HCM Lane LOS	C	-	-	B	A
HCM 95th-tile Q, veh	0.3	-	-	0.8	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	637	0	84	378	0	28
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	2	0	0	0	0	0
Mvmt Flow	708	0	93	420	0	31
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	708	0	1315	708
Stage 1	-	-	-	-	708	-
Stage 2	-	-	-	-	607	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	900	-	176	438
Stage 1	-	-	-	-	492	-
Stage 2	-	-	-	-	548	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	900	-	152	438
Mov Capacity-2 Maneuver	-	-	-	-	152	-
Stage 1	-	-	-	-	492	-
Stage 2	-	-	-	-	474	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.7	13.8
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	438	-	-	900	-
HCM Control Delay, s	13.8	-	-	9.462	0
HCM Lane V/C Ratio	0.07	-	-	0.10	-
HCM Lane LOS	B	-	-	A	A
HCM 95th-tile Q, veh	0.2	-	-	0.3	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	0	235	200	28	84	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade, %		0%	0%		0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	1	1	0	1	0
Mvmt Flow	0	261	222	31	93	0
Number of Lanes	0	1	1	0	1	0

Major/Minor	Major 1		Major 2			
Conflicting Flow All	253	0	-	0	499	238
Stage 1	-	-	-	-	238	-
Stage 2	-	-	-	-	261	-
Follow-up Headway	2.2	-	-	-	3.509	3.3
Pot Capacity-1 Maneuver	1324	-	-	-	533	806
Stage 1	-	-	-	-	804	-
Stage 2	-	-	-	-	785	-
Time blocked-Platoon, %	0	-	-	-	0	0
Mov Capacity-1 Maneuver	1324	-	-	-	533	806
Mov Capacity-2 Maneuver	-	-	-	-	533	-
Stage 1	-	-	-	-	804	-
Stage 2	-	-	-	-	785	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	13.2
HCM LOS	-	-	B

Minor Lane / Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Cap, veh/h	1324	-	-	-	533
HCM Control Delay, s	0	-	-	-	13.2
HCM Lane V/C Ratio	-	-	-	-	0.18
HCM Lane LOS	A	-	-	-	B
HCM 95th-tile Q, veh	0.0	-	-	-	0.6

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	46.8
Intersection LOS	E

Movement	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Vol, veh/h	13	269	67	0	375	79	60	154	11	125	150	0
Peak Hour Factor	0.84	0.84	0.84	0.92	0.92	0.92	0.88	0.88	0.88	0.91	0.91	0.91
Heavy Vehicles, %	0	0	0	0	0	0	0	1	0	2	0	0
Mvmt Flow	15	320	80	0	408	86	68	175	12	137	165	0
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	SE	NW
Opposing Approach	WB	EB	NW	SE
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SE	NW	WB	EB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NW	SE	EB	WB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	46.6	69.5	24.1	29.4
HCM LOS	E	F	C	D

Lane	NWLn1	EBLn1	WBLn1	SELn1
Vol Left, %	45%	4%	0%	27%
Vol Thru, %	55%	77%	83%	68%
Vol Right, %	0%	19%	17%	5%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	275	349	454	225
LT Vol	150	269	375	154
Through Vol	0	67	79	11
RT Vol	125	13	0	60
Lane Flow Rate	302	415	493	256
Geometry Grp	1	1	1	1
Degree of Util (X)	0.706	0.888	1	0.607
Departure Headway (Hd)	8.41	7.691	7.591	8.549
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	429	469	474	422
Service Time	6.476	5.751	5.682	6.618
HCM Lane V/C Ratio	0.704	0.885	1.04	0.607
HCM Control Delay	29.4	46.6	69.5	24.1
HCM Lane LOS	D	E	F	C
HCM 95th-tile Q	5.4	9.6	13.3	3.9

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	5.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	190	77	38	220	166	67
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		50	0		0	150
Median Width	0			0	10	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.72	0.72	0.90	0.90	0.75	0.75
Heavy Vehicles, %	1	0	0	1	0	0
Mvmt Flow	264	107	42	244	221	89
Number of Lanes	1	1	0	1	1	1

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	264	0	593	264
Stage 1	-	-	-	-	264	-
Stage 2	-	-	-	-	329	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1312	-	472	780
Stage 1	-	-	-	-	785	-
Stage 2	-	-	-	-	734	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1312	-	455	780
Mov Capacity-2 Maneuver	-	-	-	-	455	-
Stage 1	-	-	-	-	785	-
Stage 2	-	-	-	-	707	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.2	17.3
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Cap, veh/h	455	780	-	-	1312	-
HCM Control Delay, s	20.2	10.2	-	-	7.835	0
HCM Lane V/C Ratio	0.49	0.12	-	-	0.03	-
HCM Lane LOS	C	B	-	-	A	A
HCM 95th-tile Q, veh	2.6	0.4	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	3.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	237	28	38	522	68	112
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.96	0.96	0.87	0.87	0.92	0.92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	247	29	44	600	74	122
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	276	0	948	261
Stage 1	-	-	-	-	261	-
Stage 2	-	-	-	-	687	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1299	-	292	783
Stage 1	-	-	-	-	787	-
Stage 2	-	-	-	-	503	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1299	-	277	783
Mov Capacity-2 Maneuver	-	-	-	-	277	-
Stage 1	-	-	-	-	787	-
Stage 2	-	-	-	-	477	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.5	18.3
HCM LOS	-	-	C

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	463	-	-	1299	-
HCM Control Delay, s	18.3	-	-	7.868	0
HCM Lane V/C Ratio	0.42	-	-	0.03	-
HCM Lane LOS	C	-	-	A	A
HCM 95th-tile Q, veh	2.1	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	329	0	45	454	0	111
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade, %	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	366	0	50	504	0	123
Number of Lanes	1	0	0	1	1	0

Major/Minor	Major 1			Major 2		
Conflicting Flow All	0	0	366	0	970	366
Stage 1	-	-	-	-	366	-
Stage 2	-	-	-	-	604	-
Follow-up Headway	-	-	2.2	-	3.5	3.3
Pot Capacity-1 Maneuver	-	-	1204	-	283	684
Stage 1	-	-	-	-	706	-
Stage 2	-	-	-	-	550	-
Time blocked-Platoon, %	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1204	-	267	684
Mov Capacity-2 Maneuver	-	-	-	-	267	-
Stage 1	-	-	-	-	706	-
Stage 2	-	-	-	-	518	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.7	11.4
HCM LOS	-	-	B

Minor Lane / Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Cap, veh/h	684	-	-	1204	-
HCM Control Delay, s	11.4	-	-	8.12	0
HCM Lane V/C Ratio	0.18	-	-	0.04	-
HCM Lane LOS	B	-	-	A	A
HCM 95th-tile Q, veh	0.7	-	-	0.1	-

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection	
Intersection Delay, s/veh	1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	0	222	275	111	45	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade, %		0%	0%		0%	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles, %	0	1	1	0	0	0
Mvmt Flow	0	247	306	123	50	0
Number of Lanes	0	1	1	0	1	0

Major/Minor	Major 1		Major 2			
Conflicting Flow All	429	0	-	0	614	367
Stage 1	-	-	-	-	367	-
Stage 2	-	-	-	-	247	-
Follow-up Headway	2.2	-	-	-	3.5	3.3
Pot Capacity-1 Maneuver	1141	-	-	-	459	683
Stage 1	-	-	-	-	705	-
Stage 2	-	-	-	-	799	-
Time blocked-Platoon, %	0	-	-	-	0	0
Mov Capacity-1 Maneuver	1141	-	-	-	459	683
Mov Capacity-2 Maneuver	-	-	-	-	459	-
Stage 1	-	-	-	-	705	-
Stage 2	-	-	-	-	799	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	13.8
HCM LOS	-	-	B

Minor Lane / Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Cap, veh/h	1141	-	-	-	459
HCM Control Delay, s	0	-	-	-	13.8
HCM Lane V/C Ratio	-	-	-	-	0.11
HCM Lane LOS	A	-	-	-	B
HCM 95th-tile Q, veh	0.0	-	-	-	0.4

Notes

~ : Volume Exceeds Capacity; $: Delay Exceeds 300 Seconds; Error : Computation Not Defined