

Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 1

Groups Printed- Cars + - Trucks

Start Time	21st Ave Southbound					Main St Westbound					21st Ave Northbound					Main St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
00:00	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	18	1	0	26
00:15	0	0	0	0	0	1	2	14	0	0	0	0	0	2	0	0	0	7	0	0	26
00:30	0	0	0	0	0	0	0	6	0	0	0	1	0	0	0	0	0	6	0	0	13
00:45	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	4	0	0	9
Total	0	0	0	0	0	1	2	32	0	0	0	1	0	2	0	0	0	35	1	0	74
01:00	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	8	0	0	18
01:15	0	0	0	0	0	1	0	9	0	0	0	0	0	1	0	0	0	3	2	0	16
01:30	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	2	0	0	5
01:45	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1	4	0	0	12
Total	0	0	0	0	0	1	0	28	1	0	0	0	0	1	0	0	1	17	2	0	51
02:00	0	1	0	0	0	1	0	6	0	0	0	0	0	0	0	0	0	2	0	0	10
02:15	0	0	0	1	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	6
02:30	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	7
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	5
Total	0	1	0	1	0	1	0	15	1	0	0	0	0	1	0	0	0	7	1	0	28
03:00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	4
03:15	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1	0	0	7
03:30	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	5	0	0	12
03:45	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	8	0	0	12
Total	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	16	0	0	35
04:00	0	0	0	0	0	0	0	10	0	0	0	0	0	1	2	0	0	7	1	0	21
04:15	0	0	0	0	0	0	2	3	0	0	0	0	0	1	0	0	0	12	0	0	18
04:30	0	0	0	0	0	0	1	19	0	0	0	1	0	0	0	0	0	16	0	0	37
04:45	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	29	0	0	54
Total	0	0	0	0	0	0	3	57	0	0	0	1	0	2	2	0	0	64	1	0	130
05:00	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	46	0	0	67
05:15	0	0	0	1	0	0	2	40	0	0	0	0	0	1	0	0	1	43	0	0	88
05:30	0	0	0	0	0	0	6	61	2	0	0	1	0	2	0	0	1	60	3	0	136
05:45	0	1	0	1	0	1	5	94	9	0	0	1	1	6	0	0	5	82	1	0	207
Total	0	1	0	2	0	1	13	216	11	0	0	2	1	9	0	0	7	231	4	0	498
06:00	0	2	0	0	0	1	3	95	1	0	0	1	0	3	0	0	3	73	5	1	188
06:15	0	2	1	0	0	0	8	132	10	0	0	3	0	4	0	0	8	88	3	0	259
06:30	0	2	0	1	0	1	3	184	8	0	0	2	0	7	0	0	7	120	6	0	341
06:45	0	1	0	0	0	0	4	144	11	0	0	1	3	3	1	0	7	131	2	0	308
Total	0	7	1	1	0	2	18	555	30	0	0	7	3	17	1	0	25	412	16	1	1096
07:00	0	3	0	2	0	0	3	148	11	0	0	1	0	5	0	0	8	151	6	0	338
07:15	0	1	0	0	0	0	2	161	3	0	0	0	0	4	0	0	4	164	4	0	343
07:30	0	2	0	0	0	2	4	194	5	0	0	0	0	2	0	0	4	162	1	0	376
07:45	0	0	0	1	0	0	4	158	1	0	0	1	0	2	0	0	0	161	1	0	329
Total	0	6	0	3	0	2	13	661	20	0	0	2	0	13	0	0	16	638	12	0	1386
08:00	0	2	0	1	0	1	4	129	4	0	0	2	0	5	0	0	1	137	4	0	290
08:15	0	3	0	1	0	0	3	124	2	0	0	0	0	1	0	0	1	113	0	0	248
08:30	0	1	0	0	0	1	6	126	1	0	0	0	0	3	0	0	0	122	1	0	261
08:45	0	0	0	1	0	1	6	120	1	0	0	0	0	4	0	0	2	130	3	0	268
Total	0	6	0	3	0	3	19	499	8	0	0	2	0	13	0	0	4	502	8	0	1067
09:00	0	2	0	0	0	0	7	119	3	0	0	2	0	3	0	0	0	95	1	0	232
09:15	0	0	1	3	0	0	8	125	1	0	0	1	0	3	1	0	4	107	3	0	257
09:30	0	0	0	3	0	1	3	98	2	0	0	2	0	11	0	0	1	120	4	0	245
09:45	0	2	0	2	0	1	9	100	0	0	0	4	0	10	0	0	3	103	2	0	236
Total	0	4	1	8	0	2	27	442	6	0	0	9	0	27	1	0	8	425	10	0	970
10:00	0	3	0	1	0	0	7	71	1	0	0	1	1	5	2	0	1	88	3	0	184

Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 2

Groups Printed- Cars + - Trucks

Start Time	21st Ave Southbound					Main St Westbound					21st Ave Northbound					Main St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
10:15	0	0	0	1	0	0	6	85	0	0	0	2	0	3	1	0	1	89	3	0	191
10:30	0	1	0	2	0	3	12	99	0	0	0	1	0	5	5	1	1	93	3	0	226
10:45	0	0	0	0	0	0	9	76	1	0	0	4	0	10	3	1	2	100	8	0	214
Total	0	4	0	4	0	3	34	331	2	0	0	8	1	23	11	2	5	370	17	0	815
11:00	0	3	0	0	0	0	8	85	1	0	0	3	0	10	0	0	2	113	7	0	232
11:15	0	2	1	0	0	2	10	100	0	0	0	4	0	6	0	0	1	105	8	0	239
11:30	0	1	0	2	0	0	17	101	2	0	0	6	1	8	0	0	0	87	10	0	235
11:45	0	1	0	1	0	3	10	93	0	1	0	1	1	11	1	0	2	113	11	0	249
Total	0	7	1	3	0	5	45	379	3	1	0	14	2	35	1	0	5	418	36	0	955
12:00	0	3	0	0	2	0	18	111	4	8	0	11	0	18	0	1	1	116	12	0	305
12:15	0	2	0	3	0	1	18	98	3	0	0	2	0	19	0	0	0	127	7	0	280
12:30	0	1	1	0	0	1	18	107	2	0	0	4	1	23	6	1	1	111	7	0	284
12:45	0	0	1	4	0	1	12	109	1	0	0	4	0	12	1	0	1	117	5	0	268
Total	0	6	2	7	2	3	66	425	10	8	0	21	1	72	7	2	3	471	31	0	1137
13:00	0	0	0	0	0	2	13	107	0	0	0	7	0	17	3	1	1	108	3	0	262
13:15	0	1	0	1	0	1	13	113	0	2	0	5	0	15	1	0	1	105	7	0	265
13:30	0	3	0	0	0	2	10	114	1	0	0	5	0	16	6	0	1	121	5	0	284
13:45	0	0	0	0	0	0	10	98	0	0	0	5	0	14	7	0	0	116	4	0	254
Total	0	4	0	1	0	5	46	432	1	2	0	22	0	62	17	1	3	450	19	0	1065
14:00	0	0	0	0	2	0	12	113	0	0	0	7	0	13	3	1	3	108	10	2	274
14:15	0	1	0	1	0	0	3	129	2	0	0	6	0	11	5	0	4	103	2	0	267
14:30	0	3	0	4	0	0	9	116	2	0	0	3	1	8	0	0	5	126	3	0	280
14:45	0	3	0	4	0	0	12	156	1	0	0	5	0	4	0	0	1	110	9	0	305
Total	0	7	0	9	2	0	36	514	5	0	0	21	1	36	8	1	13	447	24	2	1126
15:00	0	1	0	0	0	0	15	155	0	0	0	11	0	22	1	0	0	114	8	0	327
15:15	0	0	1	0	0	0	9	146	1	0	0	6	0	7	0	0	1	151	5	0	327
15:30	0	4	1	2	0	0	8	181	3	0	0	5	1	16	2	2	1	169	7	0	402
15:45	0	2	0	2	0	0	14	213	4	0	0	2	0	11	2	0	1	189	5	0	445
Total	0	7	2	4	0	0	46	695	8	0	0	24	1	56	5	2	3	623	25	0	1501
16:00	0	13	0	15	0	0	16	216	5	0	0	7	0	10	1	0	2	210	9	0	504
16:15	0	3	0	3	1	0	35	206	4	0	0	7	1	17	0	0	2	195	7	0	481
16:30	0	10	2	14	0	0	18	202	5	0	1	8	1	19	1	0	0	198	6	0	485
16:45	0	11	0	7	0	0	16	214	3	0	0	5	0	11	0	0	3	231	7	0	508
Total	0	37	2	39	1	0	85	838	17	0	1	27	2	57	2	0	7	834	29	0	1978
17:00	0	6	1	3	0	1	10	218	4	0	0	6	1	18	0	0	1	235	13	0	517
17:15	0	18	1	12	0	0	9	201	3	0	0	6	0	8	1	0	1	227	8	1	496
17:30	0	1	0	2	0	1	21	208	0	0	0	2	0	21	0	0	2	203	13	0	474
17:45	0	3	1	5	0	1	25	176	1	0	0	7	0	13	7	1	0	178	14	0	432
Total	0	28	3	22	0	3	65	803	8	0	0	21	1	60	8	1	4	843	48	1	1919
18:00	0	1	0	0	0	1	15	157	0	0	0	5	0	22	1	0	2	201	17	0	422
18:15	0	0	1	0	0	0	15	156	0	0	0	12	0	23	0	0	0	148	12	0	367
18:30	0	0	1	0	0	0	26	132	1	0	1	8	0	18	0	0	0	147	6	0	340
18:45	0	0	2	0	0	0	18	121	1	0	0	7	0	21	0	0	0	113	6	1	290
Total	0	1	4	0	0	1	74	566	2	0	1	32	0	84	1	0	2	609	41	1	1419
19:00	0	0	0	0	0	1	19	96	0	0	0	4	0	25	0	0	0	84	11	0	240
19:15	0	1	0	1	0	1	15	98	3	0	0	7	0	20	0	1	1	81	7	0	236
19:30	0	1	0	2	0	1	16	87	1	0	0	5	0	18	4	1	1	97	6	1	241
19:45	0	0	0	1	0	1	15	87	0	0	0	6	0	20	5	0	0	87	11	5	238
Total	0	2	0	4	0	4	65	368	4	0	0	22	0	83	9	2	2	349	35	6	955
20:00	0	0	0	0	0	0	12	90	0	0	0	4	0	25	2	1	0	98	8	1	241
20:15	0	0	0	0	0	0	16	85	0	0	0	5	0	18	1	0	0	71	7	0	203

Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 3

Groups Printed- Cars + - Trucks

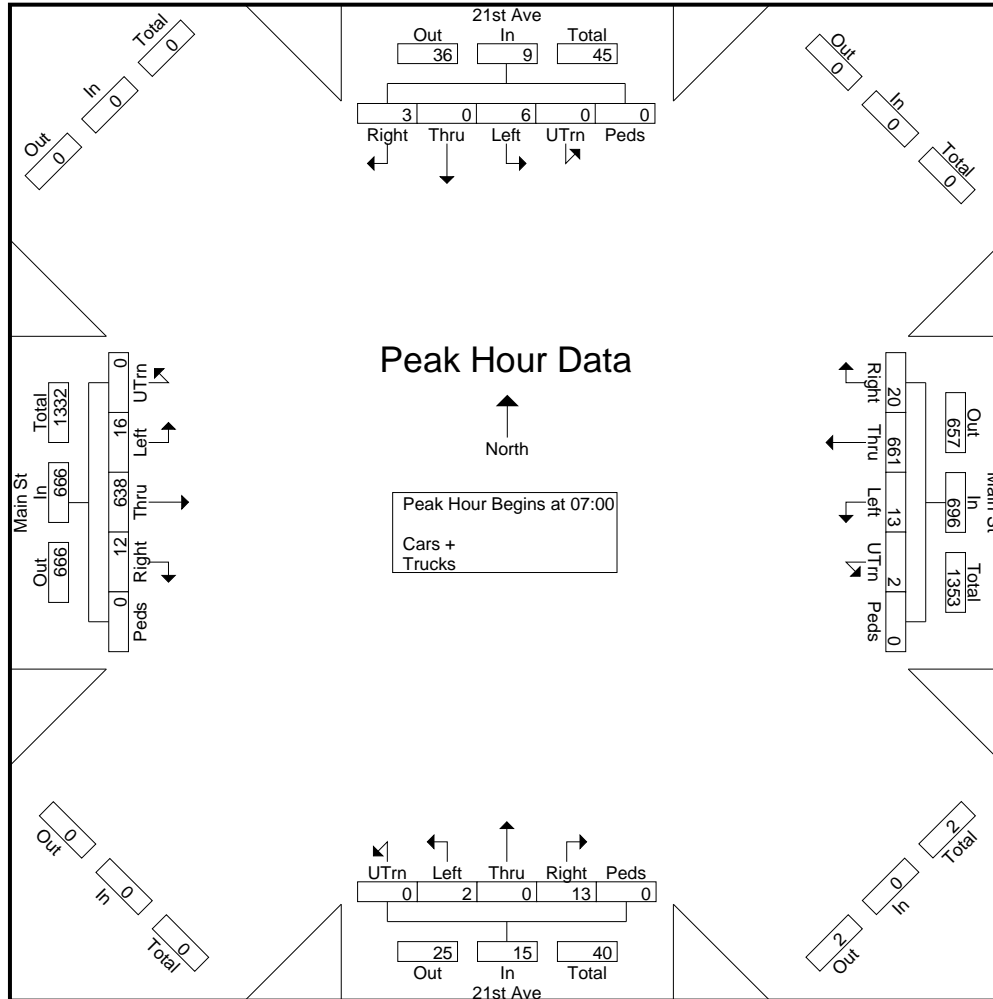
Start Time	21st Ave Southbound					Main St Westbound					21st Ave Northbound					Main St Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
20:30	0	0	0	1	0	3	17	75	0	0	0	8	0	25	1	0	1	73	8	0	212
20:45	0	0	0	0	0	1	25	83	0	0	0	9	0	26	0	0	0	57	3	0	204
Total	0	0	0	1	0	4	70	333	0	0	0	26	0	94	4	1	1	299	26	1	860
21:00	0	0	0	0	0	2	14	75	0	0	0	8	0	26	2	0	0	73	10	0	210
21:15	0	0	0	0	0	0	13	82	0	0	0	7	0	25	1	0	0	76	4	1	209
21:30	0	0	0	0	0	1	13	68	0	0	0	4	0	17	0	0	0	70	3	0	176
21:45	0	0	0	1	0	1	3	48	1	0	0	0	0	11	0	0	0	63	3	0	131
Total	0	0	0	1	0	4	43	273	1	0	0	19	0	79	3	0	0	282	20	1	726
22:00	0	0	1	0	0	1	5	40	1	0	0	2	0	9	0	0	0	43	2	0	104
22:15	0	0	0	0	0	0	1	53	0	0	0	2	0	8	0	0	0	37	1	0	102
22:30	0	0	0	0	0	0	1	43	0	0	0	0	0	9	0	0	0	34	0	0	87
22:45	0	0	0	2	0	0	3	30	1	0	0	1	0	5	0	0	0	18	1	0	61
Total	0	0	1	2	0	1	10	166	2	0	0	5	0	31	0	0	0	132	4	0	354
23:00	0	1	0	0	0	0	1	37	0	0	0	0	1	5	0	0	0	31	2	0	78
23:15	0	0	0	0	0	0	1	12	0	0	0	2	0	0	0	0	0	21	0	0	36
23:30	0	0	0	0	0	0	1	20	0	0	0	1	0	2	0	0	0	14	0	0	38
23:45	0	0	0	0	0	1	2	15	0	0	0	0	0	1	0	0	0	10	0	0	29
Total	0	1	0	0	0	1	5	84	0	0	0	3	1	8	0	0	0	76	2	0	181
Grand Total	0	129	17	115	5	47	785	8731	140	11	2	289	14	865	80	12	109	8550	412	13	20326
Apprch %	0	48.5	6.4	43.2	1.9	0.5	8.1	89.9	1.4	0.1	0.2	23.1	1.1	69.2	6.4	0.1	1.2	94	4.5	0.1	
Total %	0	0.6	0.1	0.6	0	0.2	3.9	43	0.7	0.1	0	1.4	0.1	4.3	0.4	0.1	0.5	42.1	2	0.1	
Cars +	0	115	13	114	0	44	719	8248	125	0	2	261	14	805	70	12	109	8032	385	2	19070
% Cars +	0	89.1	76.5	99.1	0	93.6	91.6	94.5	89.3	0	100	90.3	100	93.1	87.5	100	100	93.9	93.4	15.4	93.8
Trucks	0	14	4	1	5	3	66	483	15	11	0	28	0	60	10	0	0	518	27	11	1256
% Trucks	0	10.9	23.5	0.9	100	6.4	8.4	5.5	10.7	100	0	9.7	0	6.9	12.5	0	0	6.1	6.6	84.6	6.2

Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 4

Start Time	21st Ave Southbound						Main St Westbound						21st Ave Northbound						Main St Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 00:00 to 09:45 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 07:00																									
07:00	0	3	0	2	0	5	0	3	148	11	0	166	0	1	0	5	0	6	0	8	151	6	0	165	338
07:15	0	1	0	0	0	1	0	2	161	3	0	166	0	0	0	4	0	4	0	4	164	4	0	172	343
07:30	0	2	0	0	0	2	2	4	194	5	0	205	0	0	0	2	0	2	0	4	162	1	0	167	376
07:45	0	0	0	1	0	1	0	4	158	1	0	163	0	1	0	2	0	3	0	0	161	1	0	162	329
Total Volume	0	6	0	3	0	9	2	13	661	20	0	696	0	2	0	13	0	15	0	16	638	12	0	666	1386
% App. Total	0	66.7	0	33.3	0		0.3	1.9	95	2.9	0		0	13.3	0	86.7	0		0	2.4	95.8	1.8	0		
PHF	.000	.500	.000	.375	.000	.450	.250	.813	.852	.455	.000	.849	.000	.500	.000	.650	.000	.625	.000	.500	.973	.500	.000	.968	.922

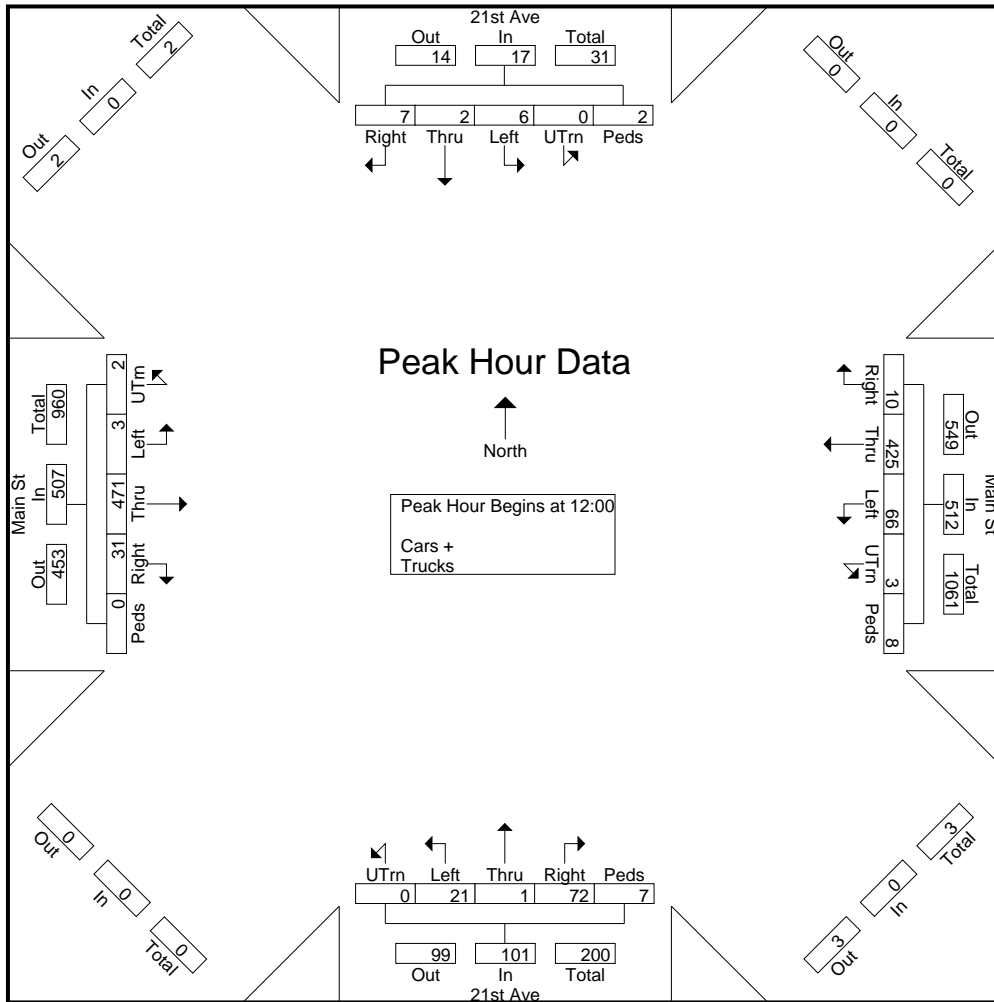


Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 5

Start Time	21st Ave Southbound						Main St Westbound						21st Ave Northbound						Main St Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 12:00																									
12:00	0	3			2	5	0	18	111	4	8	141	0	11	0	18	0	29	1	1	116	12	0	130	305
12:15	0	2	0	3	0	5	1	18	98	3	0	120	0	2	0	19	0	21	0	0	127	7	0	134	280
12:30	0	1	1						107	2	0	128	0	4	1	23	6	34	1	1	111	7	0	120	284
12:45	0	0	1	4	0	5	1	12	109	1	0	123	0	4	0	12	1	17	0	1	117	5	0	123	268
Total Volume	0	6	2	7	2	17	3	66	425	10	8	512	0	21	1	72	7	101	2	3	471	31	0	507	1137
% App. Total	0	35.3	11.8	41.2	11.8		0.6	12.9	83	2	1.6		0	20.8	1	71.3	6.9		0.4	0.6	92.9	6.1	0		
PHF	.000	.500	.500	.438	.250	.850	.750	.917	.957	.625	.250	.908	.000	.477	.250	.783	.292	.743	.500	.750	.927	.646	.000	.946	.932



Spack Consulting

TH-35E at Main St & 21st Ave
 Ref.Pt.122+00.746
 Data by Spack Consulting
 TURN MOVEMENT COUNT

File Name : Main St & 21st Ave, 6-9-16
 Site Code :
 Start Date : 6/9/2016
 Page No : 6

Start Time	21st Ave Southbound						Main St Westbound						21st Ave Northbound						Main St Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 16:30																									
16:30	0	10	2	14	0	26	0	18	202	5	0	233	1	8	1	19	1	30	0	0	198	6	0	204	485
16:45	0	11	0	7	0	18	0	16	214	3	0	233	0	5	0	11	0	16	0	3	231	7	0	241	508
17:00	0	6	1	3	0	10	1	10	218	4	0	233	0	6	1	18	0	25	0	1	235	13	0	249	517
17:15	0	18				31	0	9	201	3	0	213	0	6	0	8	1	15	0	1	227	8	1		
Total Volume	0	45	4	36	0	85	1	53	835	15	0	904	1	25	2	56	2	86	0	5	891	34	1	931	2006
% App. Total	0	52.9	4.7	42.4	0		0.1	5.9	92.4	1.7	0		1.2	29.1	2.3	65.1	2.3		0	0.5	95.7	3.7	0.1		
PHF	.000	.625	.500	.643	.000	.685	.250	.736	.958	.750	.000	.970	.250	.781	.500	.737	.500	.717	.000	.417	.948	.654	.250	.935	.970

