Appendix 3-4

PEDESTRIAN AND BICYCLE COUNTS

N/S Street : Locations 1 & 2
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

PEDESTRIAN COUNT

File Name : 14640001
Site Code : 14640001
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From East		From West		
Start Time	8	7	15	14	Int. Total
11:00	0	1	5	0	6
11:15	2	2	2	0	6
11:30	0	0	1	0	1
11:45	2	2	0	0	4
Total	4	5	8	0	17
12:00	0	0	5	1	6
12:15	1	0	2	7	10
12:30	0	4	3	0	7
12:45	4	0	8	1	13
Total	5	4	18	9	36
13:00	2	3	2	4	11
13:15	3	4	0	2	9
13:30	0	0	0	2	2
13:45	4	7	0	5	16
Total	9	14	2	13	38
Grand Total	18	23	28	22	91
Apprch %	43.9	56.1	56	44	
Total %	19.8	25.3	30.8	24.2	

	From North	From East			From South	From West			
Start Time	App. Total	8	7	App. Total	App. Total	15	14	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 12:15									
12:15	0	1	0	1	0	2	7	9	10
12:30	0	0	4	4	0	3	0	3	7
12:45	0	4	0	4	0	8	1	9	13
13:00	0	2	3	5	0	2	4	6	11
Total Volume	0	7	7	14	0	15	12	27	41
% App. Total		50	50			55.6	44.4		
PHF	.000	.438	.438	.700	.000	.469	.429	.750	.788

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00	13:00			11:00	12:00		
+0 mins.	0	2	3	5	0	5	1	6
+15 mins.	0	3	4	7	0	2	7	9
+30 mins.	0	0	0	0	0	3	0	3
+45 mins.	0	4	7	11	0	8	1	9
Total Volume	0	9	14	23	0	18	9	27
% App. Total		39.1	60.9			66.7	33.3	
PHF	.000	.563	.500	.523	.000	.563	.321	.750

PED

N/S Street : Location 3 & 4
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640003
Site Code : 14640003
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From East		From West		
Start Time	8	7	15	14	Int. Total
11:00	0	0	0	0	0
11:15	8	0	2	0	10
11:30	0	3	6	2	11
11:45	1	1	6	1	9
Total	9	4	14	3	30
12:00	3	4	8	0	15
12:15	0	1	8	2	11
12:30	3	2	10	0	15
12:45	3	3	7	0	13
Total	9	10	33	2	54
13:00	0	5	5	5	15
13:15	6	3	5	2	16
13:30	10	2	10	2	24
13:45	6	3	0	0	9
Total	22	13	20	9	64
Grand Total	40	27	67	14	148
Apprch %	59.7	40.3	82.7	17.3	
Total %	27	18.2	45.3	9.5	

	From North	From East			From South	From West			
Start Time	App. Total	8	7	App. Total	App. Total	15	14	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 12:45									
12:45	0	3	3	6	0	7	0	7	13
13:00	0	0	5	5	0	5	5	10	15
13:15	0	6	3	9	0	5	2	7	16
13:30	0	10	2	12	0	10	2	12	24
Total Volume	0	19	13	32	0	27	9	36	68
% App. Total		59.4	40.6			75	25		
PHF	.000	.475	.650	.667	.000	.675	.450	.750	.708

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00	13:00			11:00	12:15		
+0 mins.	0	0	5	5	0	8	2	10
+15 mins.	0	6	3	9	0	10	0	10
+30 mins.	0	10	2	12	0	7	0	7
+45 mins.	0	6	3	9	0	5	5	10
Total Volume	0	22	13	35	0	30	7	37
% App. Total		62.9	37.1			81.1	18.9	
PHF	.000	.550	.650	.729	.000	.750	.350	.925

PED

N/S Street : Locations 5 & 6
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640005
Site Code : 14640005
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From North	From East	From South	From West	
Start Time	1	5	9	13	Int. Total
11:00	3	1	0	5	9
11:15	1	4	10	5	20
11:30	7	0	4	4	15
11:45	5	3	0	2	10
Total	16	8	14	16	54
12:00	2	9	3	16	30
12:15	4	3	1	9	17
12:30	1	3	0	4	8
12:45	4	0	2	17	23
Total	11	15	6	46	78
13:00	0	5	5	16	26
13:15	5	0	2	4	11
13:30	2	9	1	15	27
13:45	5	5	7	8	25
Total	12	19	15	43	89
Grand Total	39	42	35	105	221
Apprch %	100	100	100	100	
Total %	17.6	19	15.8	47.5	

	From North		From East		From South		From West		
Start Time	1	App. Total	5	App. Total	9	App. Total	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 13:00									
13:00	0	0	5	5	5	5	16	16	26
13:15	5	5	0	0	2	2	4	4	11
13:30	2	2	9	9	1	1	15	15	27
13:45	5	5	5	5	7	7	8	8	25
Total Volume	12	12	19	19	15	15	43	43	89
% App. Total	100		100		100		100		
PHF	.600	.600	.528	.528	.536	.536	.672	.672	.824

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:30		13:00		11:15		12:45	
+0 mins.	7	7	5	5	10	10	17	17
+15 mins.	5	5	0	0	4	4	16	16
+30 mins.	2	2	9	9	0	0	4	4
+45 mins.	4	4	5	5	3	3	15	15
Total Volume	18	18	19	19	17	17	52	52
% App. Total	100		100		100		100	
PHF	.643	.643	.528	.528	.425	.425	.765	.765

PED

N/S Street : Locations 7 & 8
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640007
Site Code : 14640007
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From North	From East	From South	From West	
Start Time	1	5	9	13	Int. Total
11:00	4	3	10	4	21
11:15	3	6	7	0	16
11:30	13	8	8	1	30
11:45	2	13	3	4	22
Total	22	30	28	9	89
12:00	1	6	21	2	30
12:15	5	6	12	6	29
12:30	12	19	15	9	55
12:45	11	4	12	6	33
Total	29	35	60	23	147
13:00	13	30	16	4	63
13:15	10	11	6	7	34
13:30	24	15	6	16	61
13:45	9	13	10	14	46
Total	56	69	38	41	204
Grand Total	107	134	126	73	440
Apprch %	100	100	100	100	
Total %	24.3	30.5	28.6	16.6	

	From North		From East		From South		From West		
Start Time	1	App. Total	5	App. Total	9	App. Total	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 13:00									
13:00	13	13	30	30	16	16	4	4	63
13:15	10	10	11	11	6	6	7	7	34
13:30	24	24	15	15	6	6	16	16	61
13:45	9	9	13	13	10	10	14	14	46
Total Volume	56	56	69	69	38	38	41	41	204
% App. Total	100		100		100		100		
PHF	.583	.583	.575	.575	.594	.594	.641	.641	.810

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	12:45		13:00		12:00		13:00	
+0 mins.	11	11	30	30	21	21	4	4
+15 mins.	13	13	11	11	12	12	7	7
+30 mins.	10	10	15	15	15	15	16	16
+45 mins.	24	24	13	13	12	12	14	14
Total Volume	58	58	69	69	60	60	41	41
% App. Total	100		100		100		100	
PHF	.604	.604	.575	.575	.714	.714	.641	.641

PED

N/S Street : Locations 9, 10 & 11
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640009
Site Code : 14640009
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From North	From South	From West				
Start Time	2	12	16	15	14	13	Int. Total
11:00	0	0	5	0	1	6	12
11:15	0	10	12	3	0	8	33
11:30	3	4	10	1	0	2	20
11:45	10	1	8	2	3	15	39
Total	13	15	35	6	4	31	104
12:00	3	1	10	15	6	12	47
12:15	4	2	21	2	11	4	44
12:30	10	0	16	8	0	10	44
12:45	5	0	7	1	4	12	29
Total	22	3	54	26	21	38	164
13:00	17	7	18	5	7	33	87
13:15	1	8	34	8	11	20	82
13:30	1	3	7	12	9	12	44
13:45	18	9	28	2	10	19	86
Total	37	27	87	27	37	84	299
Grand Total	72	45	176	59	62	153	567
Apprch %	100	100	39.1	13.1	13.8	34	
Total %	12.7	7.9	31	10.4	10.9	27	

	From North		From East	From South		From West					
Start Time	2	App. Total	App. Total	12	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 13:00											
13:00	17	17	0	7	7	18	5	7	33	63	87
13:15	1	1	0	8	8	34	8	11	20	73	82
13:30	1	1	0	3	3	7	12	9	12	40	44
13:45	18	18	0	9	9	28	2	10	19	59	86
Total Volume	37	37	0	27	27	87	27	37	84	235	299
% App. Total	100			100		37	11.5	15.7	35.7		
PHF	.514	.514	.000	.750	.750	.640	.563	.841	.636	.805	.859

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	13:00		11:00	13:00		13:00				
+0 mins.	17	17	0	7	7	18	5	7	33	63
+15 mins.	1	1	0	8	8	34	8	11	20	73
+30 mins.	1	1	0	3	3	7	12	9	12	40
+45 mins.	18	18	0	9	9	28	2	10	19	59
Total Volume	37	37	0	27	27	87	27	37	84	235
% App. Total	100			100		37	11.5	15.7	35.7	
PHF	.514	.514	.000	.750	.750	.640	.563	.841	.636	.805

PED

N/S Street : Locations 12 & 13
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640012
Site Code : 14640012
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From West				
Start Time	16	15	14	13	Int. Total
11:00	0	3	1	0	4
11:15	2	7	0	0	9
11:30	0	3	0	0	3
11:45	0	24	0	0	24
Total	2	37	1	0	40
12:00	0	27	0	0	27
12:15	0	2	0	1	3
12:30	1	2	0	4	7
12:45	0	11	0	1	12
Total	1	42	0	6	49
13:00	2	3	0	0	5
13:15	5	0	2	0	7
13:30	2	3	0	0	5
13:45	2	8	12	0	22
Total	11	14	14	0	39
Grand Total	14	93	15	6	128
Apprch %	10.9	72.7	11.7	4.7	
Total %	10.9	72.7	11.7	4.7	

	From North	From East	From South	From West					
Start Time	App. Total	App. Total	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 11:15									
11:15	0	0	0	2	7	0	0	9	9
11:30	0	0	0	0	3	0	0	3	3
11:45	0	0	0	0	24	0	0	24	24
12:00	0	0	0	0	27	0	0	27	27
Total Volume	0	0	0	2	61	0	0	63	63
% App. Total				3.2	96.8	0	0		
PHF	.000	.000	.000	.250	.565	.000	.000	.583	.583

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00	11:00	11:00	11:15				
+0 mins.	0	0	0	2	7	0	0	9
+15 mins.	0	0	0	0	3	0	0	3
+30 mins.	0	0	0	0	24	0	0	24
+45 mins.	0	0	0	0	27	0	0	27
Total Volume	0	0	0	2	61	0	0	63
% App. Total				3.2	96.8	0	0	
PHF	.000	.000	.000	.250	.565	.000	.000	.583

PED

N/S Street : Locations 14 & 15
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640014
Site Code : 14640014
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From North		From South		
Start Time	4	1	12	9	Int. Total
11:00	0	4	0	0	4
11:15	0	2	0	1	3
11:30	0	0	0	0	0
11:45	2	0	3	1	6
Total	2	6	3	2	13
12:00	0	0	1	0	1
12:15	0	0	0	0	0
12:30	0	0	3	1	4
12:45	5	1	0	1	7
Total	5	1	4	2	12
13:00	1	0	0	1	2
13:15	2	2	0	0	4
13:30	0	2	0	0	2
13:45	2	4	2	0	8
Total	5	8	2	1	16
Grand Total	12	15	9	5	41
Apprch %	44.4	55.6	64.3	35.7	
Total %	29.3	36.6	22	12.2	

	From North			From East	From South			From West	
Start Time	4	1	App. Total	App. Total	12	9	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 12:30									
12:30	0	0	0	0	3	1	4	0	4
12:45	5	1	6	0	0	1	1	0	7
13:00	1	0	1	0	0	1	1	0	2
13:15	2	2	4	0	0	0	0	0	4
Total Volume	8	3	11	0	3	3	6	0	17
% App. Total	72.7	27.3			50	50			
PHF	.400	.375	.458	.000	.250	.750	.375	.000	.607

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	12:45			11:00	11:45			11:00
+0 mins.	5	1	6	0	3	1	4	0
+15 mins.	1	0	1	0	1	0	1	0
+30 mins.	2	2	4	0	0	0	0	0
+45 mins.	0	2	2	0	3	1	4	0
Total Volume	8	5	13	0	7	2	9	0
% App. Total	61.5	38.5			77.8	22.2		
PHF	.400	.625	.542	.000	.583	.500	.563	.000

PED

N/S Street : Locations 16 & 17
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640016
Site Code : 14640016
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From North		From South		
Start Time	2	1	10	9	Int. Total
11:00	10	15	7	2	34
11:15	11	21	8	3	43
11:30	8	12	2	1	23
11:45	21	22	3	2	48
Total	50	70	20	8	148
12:00	22	29	6	8	65
12:15	29	4	2	2	37
12:30	17	16	0	0	33
12:45	20	14	0	0	34
Total	88	63	8	10	169
13:00	0	0	0	0	0
13:15	14	6	2	0	22
13:30	15	17	0	0	32
13:45	14	13	0	0	27
Total	43	36	2	0	81
Grand Total	181	169	30	18	398
Apprch %	51.7	48.3	62.5	37.5	
Total %	45.5	42.5	7.5	4.5	

	From North			From East	From South			From West	
Start Time	2	1	App. Total	App. Total	10	9	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 11:45									
11:45	21	22	43	0	3	2	5	0	48
12:00	22	29	51	0	6	8	14	0	65
12:15	29	4	33	0	2	2	4	0	37
12:30	17	16	33	0	0	0	0	0	33
Total Volume	89	71	160	0	11	12	23	0	183
% App. Total	55.6	44.4			47.8	52.2			
PHF	.767	.612	.784	.000	.458	.375	.411	.000	.704

Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:45			11:00	11:15			11:00	
+0 mins.	21	22	43	0	8	3	11	0	
+15 mins.	22	29	51	0	2	1	3	0	
+30 mins.	29	4	33	0	3	2	5	0	
+45 mins.	17	16	33	0	6	8	14	0	
Total Volume	89	71	160	0	19	14	33	0	
% App. Total	55.6	44.4			57.6	42.4			
PHF	.767	.612	.784	.000	.594	.438	.589	.000	

PED

N/S Street : Locations 18 & 19
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640018
Site Code : 14640018
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From East		From West		
Start Time	6	5	16	15	Int. Total
11:00	5	21	4	6	36
11:15	10	18	6	8	42
11:30	7	3	5	2	17
11:45	12	2	11	12	37
Total	34	44	26	28	132
12:00	10	8	6	12	36
12:15	14	5	11	1	31
12:30	24	15	10	12	61
12:45	22	20	19	8	69
Total	70	48	46	33	197
13:00	15	12	9	16	52
13:15	28	14	22	20	84
13:30	8	17	20	10	55
13:45	6	14	15	8	43
Total	57	57	66	54	234
Grand Total	161	149	138	115	563
Apprch %	51.9	48.1	54.5	45.5	
Total %	28.6	26.5	24.5	20.4	

	From North	From East			From South	From West			
Start Time	App. Total	6	5	App. Total	App. Total	16	15	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 12:30									
12:30	0	24	15	39	0	10	12	22	61
12:45	0	22	20	42	0	19	8	27	69
13:00	0	15	12	27	0	9	16	25	52
13:15	0	28	14	42	0	22	20	42	84
Total Volume	0	89	61	150	0	60	56	116	266
% App. Total		59.3	40.7			51.7	48.3		
PHF	.000	.795	.763	.893	.000	.682	.700	.690	.792

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00	12:30			11:00	12:45		
+0 mins.	0	24	15	39	0	19	8	27
+15 mins.	0	22	20	42	0	9	16	25
+30 mins.	0	15	12	27	0	22	20	42
+45 mins.	0	28	14	42	0	20	10	30
Total Volume	0	89	61	150	0	70	54	124
% App. Total		59.3	40.7			56.5	43.5	
PHF	.000	.795	.763	.893	.000	.795	.675	.738

PED

N/S Street : Locations 20 & 21
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640020
Site Code : 14640020
Start Date : 8/4/2007
Page No : 1

Groups Printed- Peds

	From East		From West		
Start Time	8	5	16	13	Int. Total
11:00	4	3	1	2	10
11:15	1	3	1	3	8
11:30	9	9	3	5	26
11:45	13	2	2	0	17
Total	27	17	7	10	61
12:00	2	9	1	4	16
12:15	7	3	2	5	17
12:30	3	2	4	9	18
12:45	10	6	17	6	39
Total	22	20	24	24	90
13:00	13	3	5	5	26
13:15	16	10	14	6	46
13:30	23	1	2	10	36
13:45	5	0	5	1	11
Total	57	14	26	22	119
Grand Total	106	51	57	56	270
Apprch %	67.5	32.5	50.4	49.6	
Total %	39.3	18.9	21.1	20.7	

	From North	From East			From South	From West			
Start Time	App. Total	8	5	App. Total	App. Total	16	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 12:45									
12:45	0	10	6	16	0	17	6	23	39
13:00	0	13	3	16	0	5	5	10	26
13:15	0	16	10	26	0	14	6	20	46
13:30	0	23	1	24	0	2	10	12	36
Total Volume	0	62	20	82	0	38	27	65	147
% App. Total		75.6	24.4			58.5	41.5		
PHF	.000	.674	.500	.788	.000	.559	.675	.707	.799

Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00	12:45			11:00	12:30		
+0 mins.	0	10	6	16	0	4	9	13
+15 mins.	0	13	3	16	0	17	6	23
+30 mins.	0	16	10	26	0	5	5	10
+45 mins.	0	23	1	24	0	14	6	20
Total Volume	0	62	20	82	0	40	26	66
% App. Total		75.6	24.4			60.6	39.4	
PHF	.000	.674	.500	.788	.000	.588	.722	.717

PED

N/S Street : Locations 1 & 2
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

BIKE COUNTS

File Name : 14640001
Site Code : 14640001
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West				
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	16	15	14	13	Int. Total
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
11:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:45	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	6
Total	1	0	3	0	0	0	2	0	0	3	0	0	0	0	0	0	9
12:00	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	4
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
12:45	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Total	0	0	3	0	0	0	0	0	0	3	1	0	0	0	0	0	7
13:00	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
13:15	1	0	2	0	0	0	2	0	0	1	0	0	0	0	0	0	6
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	3	0	0	0	6	0	0	1	0	0	0	0	0	0	11
Grand Total	2	0	9	0	0	0	8	0	0	7	1	0	0	0	0	0	27
Apprch %	18.2	0	81.8	0	0	0	100	0	0	87.5	12.5	0	0	0	0	0	
Total %	7.4	0	33.3	0	0	0	29.6	0	0	25.9	3.7	0	0	0	0	0	

	From North					From East					From South					From West					
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15																					
11:15	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
11:30	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:45	0	0	3	0	3	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	6
12:00	0	0	3	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	4
Total Volume	1	0	6	0	7	0	0	2	0	2	0	4	0	0	4	0	0	0	0	0	13
% App. Total	14.3	0	85.7	0		0	0	100	0		0	100	0	0		0	0	0	0		
PHF	.250	.000	.500	.000	.583	.000	.000	.250	.000	.250	.000	.333	.000	.000	.333	.000	.000	.000	.000	.000	.542

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:15					12:30					11:45					11:00					
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	
+15 mins.	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	
+30 mins.	0	0	3	0	3	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	
+45 mins.	0	0	3	0	3	0	0	2	0	2	0	2	0	0	2	0	0	0	0	0	
Total Volume % App. Total	14.3	0	85.7	0		0	0	100	0		0	100	0	0		0	0	0	0		
PHF	.250	.000	.500	.000	.583	.000	.000	.375	.000	.375	.000	.500	.000	.000	.500	.000	.000	.000	.000	.000	

BIKE

N/S Street : Location 3 & 4
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

Rec'd 8/7/07

File Name : 14640003
Site Code : 14640003
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West						
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	16	15	14	18	17	13	Int. Total
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
11:30	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
11:45	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	5
Total	1	0	0	3	0	0	0	0	0	3	2	0	0	1	0	0	0	0	10
12:00	0	0	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
12:30	0	0	1	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	5
12:45	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	0	0	4	1	0	0	0	0	0	4	2	0	0	0	1	0	0	0	12
13:00	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	5
13:15	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	1	0	2	2	0	0	0	0	0	6	1	0	0	0	0	0	0	0	12
Grand Total	2	0	6	6	0	0	0	0	0	13	5	0	0	1	1	0	0	0	34
Apprch %	14.3	0	42.9	42.9	0	0	0	0	0	72.2	27.8	0	0	50	50	0	0	0	
Total %	5.9	0	17.6	17.6	0	0	0	0	0	38.2	14.7	0	0	2.9	2.9	0	0	0	

	From North					From East					From South					From West							
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	16	15	14	18	17	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																							
Peak Hour for Entire Intersection Begins at 11:45																							
11:45	0	0	0	2	2	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	5
12:00	0	0	3	1	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	5
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
12:30	0	0	1	0	1	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	5
Total Volume	0	0	4	3	7	0	0	0	0	0	0	7	1	0	8	0	0	1	0	0	0	1	16
% App. Total	0	0	57.1	42.9		0	0	0	0		0	87.5	12.5	0		0	0	100	0	0	0		
PHF	.000	.000	.333	.375	.438	.000	.000	.000	.000	.000	.000	.583	.250	.000	.500	.000	.000	.250	.000	.000	.000	.250	.800

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:15					11:00					12:30					11:30							
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	1	0	0	0	0	1	
+15 mins.	1	0	0	1	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	
+30 mins.	0	0	0	2	2	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	0	
+45 mins.	0	0	3	1	4	0	0	0	0	0	0	2	0	0	2	0	0	1	0	0	0	1	
Total Volume	1	0	3	4	8	0	0	0	0	0	0	9	3	0	12	0	1	1	0	0	0	2	
% App. Total	12.5	0	37.5	50		0	0	0	0		0	75	25	0		0	50	50	0	0	0		
PHF	.250	.000	.250	.500	.500	.000	.000	.000	.000	.000	.000	.563	.750	.000	.600	.000	.250	.250	.000	.000	.000	.500	

BIKE

N/S Street : Locations 5 & 6
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640005
Site Code : 14640005
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West		
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	15	13	Int. Total
11:00	2	0	0	0	0	0	0	0	1	0	0	0	0	0	3
11:15	0	0	1	0	0	0	1	0	1	0	0	0	3	0	6
11:30	1	0	0	0	0	0	0	0	1	0	1	0	0	0	3
11:45	0	0	0	0	0	2	0	0	0	0	0	0	3	0	5
Total	3	0	1	0	0	2	1	0	3	0	1	0	6	0	17
12:00	0	0	0	0	0	3	0	0	1	0	0	0	0	0	4
12:15	1	0	0	0	0	1	0	0	1	0	0	0	0	0	3
12:30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	0	0	0	0	4	0	0	2	0	0	0	0	0	8
13:00	2	0	0	0	0	0	0	0	3	0	0	0	0	0	5
13:15	1	0	1	0	0	3	0	0	0	0	1	0	6	0	12
13:30	2	0	0	0	0	1	0	0	0	0	0	0	0	0	3
13:45	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	5	0	1	0	0	5	0	0	3	0	1	0	6	0	21
Grand Total	10	0	2	0	0	11	1	0	8	0	2	0	12	0	46
Apprch %	83.3	0	16.7	0	0	91.7	8.3	0	80	0	20	0	100	0	
Total %	21.7	0	4.3	0	0	23.9	2.2	0	17.4	0	4.3	0	26.1	0	

	From North					From East					From South					From West			
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	15	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 13:00																			
13:00	2	0	0	0	2	0	0	0	0	0	3	0	0	0	3	0	0	0	5
13:15	1	0	1	0	2	0	3	0	0	3	0	0	1	0	1	6	0	6	12
13:30	2	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	3
13:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1
Total Volume	5	0	1	0	6	0	5	0	0	5	3	0	1	0	4	6	0	6	21
% App. Total	83.3	0	16.7	0		0	100	0	0		75	0	25	0		100	0		
PHF	.625	.000	.250	.000	.750	.000	.417	.000	.000	.417	.250	.000	.250	.000	.333	.250	.000	.250	.438

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	12:45					11:15					11:00					11:00			
+0 mins.	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	
+15 mins.	2	0	0	0	2	0	0	0	0	0	1	0	0	0	1	3	0	3	
+30 mins.	1	0	1	0	2	0	2	0	0	2	1	0	1	0	2	0	0	0	
+45 mins.	2	0	0	0	2	0	3	0	0	3	0	0	0	0	0	3	0	3	
Total Volume	5	0	1	0	6	0	5	1	0	6	3	0	1	0	4	6	0	6	
% App. Total	83.3	0	16.7	0		0	83.3	16.7	0		75	0	25	0		100	0		
PHF	.625	.000	.250	.000	.750	.000	.417	.250	.000	.500	.750	.000	.250	.000	.500	.500	.000	.500	

BIKE

N/S Street : Locations 7 & 8
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640007
Site Code : 14640007
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South			From West			
Start Time	4	3	2	1	8	7	6	5	11	10	9	16	14	13	Int. Total
11:00	0	1	0	0	0	0	0	0	4	0	0	1	0	0	6
11:15	0	2	0	0	0	0	0	0	0	0	0	1	0	0	3
11:30	0	0	0	1	0	0	0	0	0	0	0	1	1	0	3
11:45	0	3	0	0	1	0	0	0	0	0	0	0	0	0	4
Total	0	6	0	1	1	0	0	0	4	0	0	3	1	0	16
12:00	0	1	0	0	0	0	1	0	3	0	0	0	0	0	5
12:15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
12:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	0	0	0	1	0	4	0	0	0	0	0	7
13:00	0	2	0	0	0	0	0	0	1	0	0	1	0	0	4
13:15	0	3	0	0	1	0	0	0	2	0	0	0	0	0	6
13:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
13:45	0	0	0	0	2	0	0	0	2	0	0	0	0	0	4
Total	0	6	0	0	3	0	0	0	5	0	0	1	0	0	15
Grand Total	0	14	0	1	4	0	1	0	13	0	0	4	1	0	38
Apprch %	0	93.3	0	6.7	80	0	20	0	100	0	0	80	20	0	
Total %	0	36.8	0	2.6	10.5	0	2.6	0	34.2	0	0	10.5	2.6	0	

	From North					From East					From South				From West				
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	11	10	9	App. Total	16	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 11:00																			
11:00	0	1	0	0	1	0	0	0	0	0	4	0	0	4	1	0	0	1	6
11:15	0	2	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	3
11:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	2	3
11:45	0	3	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	4
Total Volume	0	6	0	1	7	1	0	0	0	1	4	0	0	4	3	1	0	4	16
% App. Total	0	85.7	0	14.3		100	0	0	0		100	0	0		75	25	0		
PHF	.000	.500	.000	.250	.583	.250	.000	.000	.000	.250	.250	.000	.000	.250	.750	.250	.000	.500	.667

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00					13:00					13:00				11:00				
+0 mins.	0	1	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	1	
+15 mins.	0	2	0	0	2	1	0	0	0	1	2	0	0	2	1	0	0	1	
+30 mins.	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	2	
+45 mins.	0	3	0	0	3	2	0	0	0	2	2	0	0	2	0	0	0	0	
Total Volume	0	6	0	1	7	3	0	0	0	3	5	0	0	5	3	1	0	4	
% App. Total	0	85.7	0	14.3		100	0	0	0		100	0	0		75	25	0		
PHF	.000	.500	.000	.250	.583	.375	.000	.000	.000	.375	.625	.000	.000	.625	.750	.250	.000	.500	

BIKE

N/S Street : Locations 9, 10 & 11
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640009
Site Code : 14640009
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West				
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	16	15	14	13	Int. Total
11:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11:30	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
11:45	0	0	1	0	1	0	0	3	0	0	0	0	0	0	0	0	5
Total	0	0	1	0	1	1	3	4	0	0	0	0	0	0	1	0	11
12:00	0	0	0	0	0	3	0	2	0	0	0	1	0	0	0	0	6
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
12:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	1	0	0	3	0	4	0	0	0	1	0	0	0	0	9
13:00	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
13:15	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	3
13:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
13:45	0	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	4
Total	0	0	1	0	2	0	3	4	0	0	0	0	0	0	0	0	10
Grand Total	0	0	3	0	3	4	6	12	0	0	0	1	0	0	1	0	30
Apprch %	0	0	100	0	12	16	24	48	0	0	0	100	0	0	100	0	
Total %	0	0	10	0	10	13.3	20	40	0	0	0	3.3	0	0	3.3	0	

	From North					From East					From South					From West					
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15																					
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
11:30	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	3
11:45	0	0	1	0	1	1	0	0	3	4	0	0	0	0	0	0	0	0	0	0	5
12:00	0	0	0	0	0	0	3	0	2	5	0	0	0	1	1	0	0	0	0	0	6
Total Volume	0	0	1	0	1	1	3	3	5	12	0	0	0	1	1	0	0	1	0	1	15
% App. Total	0	0	100	0		8.3	25	25	41.7		0	0	0	100		0	0	100	0		
PHF	.000	.000	.250	.000	.250	.250	.250	.250	.417	.600	.000	.000	.000	.250	.250	.000	.000	.250	.000	.250	.625

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00					11:15					11:15					11:00				
+0 mins.	0	0	0	0	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	3	0	3	0	0	0	0	0	0	0	1	0	1
+30 mins.	0	0	0	0	0	1	0	0	3	4	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	1	0	1	0	3	0	2	5	0	0	0	1	1	0	0	0	0	0
Total Volume % App. Total	0	0	100	0		8.3	25	25	41.7		0	0	0	100		0	0	100	0	
PHF	.000	.000	.250	.000	.250	.250	.250	.250	.417	.600	.000	.000	.000	.250	.250	.000	.000	.250	.000	.250

BIKE

N/S Street : Locations 12 & 13
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640012
Site Code : 14640012
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West				
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	16	15	14	13	Int. Total
11:00	0	2	0	0	1	0	0	0	0	0	0	2	0	0	0	0	5
11:15	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3
11:30	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
11:45	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	3
Total	0	3	0	0	2	0	3	0	0	0	0	5	0	0	0	0	13
12:00	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	4
12:15	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
12:30	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
12:45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	2	0	0	0	0	3	0	0	3	0	1	0	0	0	0	9
13:00	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	3
13:15	1	0	0	0	0	0	4	0	0	0	0	1	0	0	0	0	6
13:30	0	0	0	0	2	1	0	0	0	0	0	1	0	0	0	0	4
13:45	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2
Total	1	1	0	0	3	2	4	0	0	0	0	4	0	0	0	0	15
Grand Total	1	6	0	0	5	2	10	0	0	3	0	10	0	0	0	0	37
Apprch %	14.3	85.7	0	0	29.4	11.8	58.8	0	0	23.1	0	76.9	0	0	0	0	
Total %	2.7	16.2	0	0	13.5	5.4	27	0	0	8.1	0	27	0	0	0	0	

	From North					From East					From South					From West					
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 13:00																					
13:00	0	1	0	0	1	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	3
13:15	1	0	0	0	1	0	0	4	0	4	0	0	0	1	1	0	0	0	0	0	6
13:30	0	0	0	0	0	2	1	0	0	3	0	0	0	1	1	0	0	0	0	0	4
13:45	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	2
Total Volume	1	1	0	0	2	3	2	4	0	9	0	0	0	4	4	0	0	0	0	0	15
% App. Total	50	50	0	0		33.3	22.2	44.4	0		0	0	0	100		0	0	0	0		
PHF	.250	.250	.000	.000	.500	.375	.500	.250	.000	.563	.000	.000	.000	1.000							

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00					13:00					11:30					11:00				
+0 mins.	0	2	0	0	2	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0
+15 mins.	0	1	0	0	1	0	0	4	0	4	0	0	0	2	2	0	0	0	0	0
+30 mins.	0	0	0	0	0	2	1	0	0	3	0	3	0	0	3	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0
Total Volume	0	3	0	0	3	3	2	4	0	9	0	3	0	4	7	0	0	0	0	0
% App. Total	0	100	0	0		33.3	22.2	44.4	0		0	42.9	0	57.1		0	0	0	0	
PHF	.000	.375	.000	.000	.375	.375	.500	.250	.000	.563	.000	.250	.000	.500	.583	.000	.000	.000	.000	.000

BIKE

. N/S Street : Locations 14 & 15
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640014
Site Code : 14640014
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West				
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	16	15	14	13	Int. Total
11:00	0	0	0	0	0	0	2	1	0	0	0	0	0	0	2	0	5
11:15	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
11:30	1	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	5
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Total	1	0	0	0	1	0	5	4	0	0	0	0	0	0	5	0	16
12:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
12:15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
12:30	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	5
12:45	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	5	2	1	0	0	0	0	0	2	0	10
13:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4
13:15	0	0	0	0	1	0	3	0	0	0	0	0	0	0	2	0	6
13:30	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1	4
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Total	0	0	0	0	1	0	7	1	0	0	0	0	2	1	4	1	17
Grand Total	1	0	0	0	2	0	17	7	1	0	0	0	2	1	11	1	43
Apprch %	100	0	0	0	7.7	0	65.4	26.9	100	0	0	0	13.3	6.7	73.3	6.7	
Total %	2.3	0	0	0	4.7	0	39.5	16.3	2.3	0	0	0	4.7	2.3	25.6	2.3	

	From North					From East					From South					From West					
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 13:00																					
13:00	0	0	0	0	0	0	0	3	1	4	0	0	0	0	0	0	0	0	0	0	4
13:15	0	0	0	0	0	1	0	3	0	4	0	0	0	0	0	0	0	2	0	2	6
13:30	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	1	3	4
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	3
Total Volume	0	0	0	0	0	1	0	7	1	9	0	0	0	0	0	2	1	4	1	8	17
% App. Total	0	0	0	0		11.1	0	77.8	11.1		0	0	0	0		25	12.5	50	12.5		
PHF	.000	.000	.000	.000	.000	.250	.000	.583	.250	.563	.000	.000	.000	.000	.000	.250	.250	.500	.250	.667	.708

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:00					12:30					11:15					13:00				
+0 mins.	0	0	0	0	0	0	0	4	1	5	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	0	2
+30 mins.	1	0	0	0	1	0	0	3	1	4	0	0	0	0	0	2	0	0	1	3
+45 mins.	0	0	0	0	0	1	0	3	0	4	1	0	0	0	1	0	1	2	0	3
Total Volume % App. Total	100	0	0	0		7.1	0	71.4	21.4		100	0	0	0		25	12.5	50	12.5	
PHF	.250	.000	.000	.000	.250	.250	.000	.625	.750	.700	.250	.000	.000	.000	.250	.250	.250	.500	.250	.667

BIKE

N/S Street : Locations 16 & 17
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640016
Site Code : 14640016
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South				From West			
Start Time	4	3	2	1	8	7	6	5	12	11	10	9	15	14	13	Int. Total
11:00	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	5
11:15	0	0	0	0	0	0	4	1	0	0	0	0	0	2	2	9
11:30	0	0	0	0	0	0	2	2	0	1	0	0	0	1	0	6
11:45	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	7	6	0	2	0	0	0	4	3	22
12:00	0	0	0	1	0	0	5	1	0	2	0	0	0	1	0	10
12:15	0	0	1	0	0	0	0	0	0	1	0	0	2	0	0	4
12:30	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	5
12:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	1	2	0	0	5	1	0	4	0	0	2	3	2	20
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
13:30	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	3
13:45	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	3
Total	0	1	1	0	0	0	1	1	0	13	0	0	0	0	0	17
Grand Total	0	1	2	2	0	0	13	8	0	19	0	0	2	7	5	59
Apprch %	0	20	40	40	0	0	61.9	38.1	0	100	0	0	14.3	50	35.7	
Total %	0	1.7	3.4	3.4	0	0	22	13.6	0	32.2	0	0	3.4	11.9	8.5	

	From North					From East					From South					From West				
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	9	App. Total	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1																				
Peak Hour for Entire Intersection Begins at 11:15																				
11:15	0	0	0	0	0	0	0	4	1	5	0	0	0	0	0	0	2	2	4	9
11:30	0	0	0	0	0	0	0	2	2	4	0	1	0	0	1	0	1	0	1	6
11:45	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	2
12:00	0	0	0	1	1	0	0	5	1	6	0	2	0	0	2	0	1	0	1	10
Total Volume	0	0	0	1	1	0	0	11	6	17	0	3	0	0	3	0	4	2	6	27
% App. Total	0	0	0	100		0	0	64.7	35.3		0	100	0	0		0	66.7	33.3		
PHF	.000	.000	.000	.250	.250	.000	.000	.550	.750	.708	.000	.375	.000	.000	.375	.000	.500	.250	.375	.675
Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1																				
Peak Hour for Each Approach Begins at:																				
	12:00					11:15					12:45					11:00				
+0 mins.	0	0	0	1	1	0	0	4	1	5	0	0	0	0	0	0	1	1	2	
+15 mins.	0	0	1	0	1	0	0	2	2	4	0	0	0	0	0	0	2	2	4	
+30 mins.	0	0	0	0	0	0	0	0	2	2	0	11	0	0	11	0	1	0	1	
+45 mins.	0	0	0	1	1	0	0	5	1	6	0	2	0	0	2	0	0	0	0	
Total Volume	0	0	1	2	3	0	0	11	6	17	0	13	0	0	13	0	4	3	7	
% App. Total	0	0	33.3	66.7		0	0	64.7	35.3		0	100	0	0		0	57.1	42.9		
PHF	.000	.000	.250	.500	.750	.000	.000	.550	.750	.708	.000	.295	.000	.000	.295	.000	.500	.375	.438	

BIKE

N/S Street : Locations 18 & 19
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640018
Site Code : 14640018
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East			From South			From West				
Start Time	4	3	2	1	7	6	5	11	10	9	16	15	14	13	Int. Total
11:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
11:15	0	0	0	0	3	0	0	0	0	0	0	0	0	1	4
11:30	0	0	1	4	1	0	0	0	1	0	0	0	0	0	7
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	4	7	0	0	0	1	0	0	0	0	1	14
12:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
12:15	0	0	4	1	2	1	0	0	0	0	0	0	0	0	8
12:30	0	0	4	0	2	0	0	0	0	1	0	0	0	0	7
12:45	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4
Total	0	0	9	2	7	1	0	0	0	1	0	0	0	0	20
13:00	2	0	0	0	4	1	0	0	0	0	0	0	0	0	7
13:15	0	0	0	0	3	0	0	0	1	0	0	0	0	0	4
13:30	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4
13:45	1	0	1	2	1	0	0	0	0	0	1	1	0	0	7
Total	3	0	2	2	11	1	0	0	1	0	1	1	0	0	22
Grand Total	3	0	12	8	25	2	0	0	2	1	1	1	0	1	56
Apprch %	13	0	52.2	34.8	92.6	7.4	0	0	66.7	33.3	33.3	33.3	0	33.3	
Total %	5.4	0	21.4	14.3	44.6	3.6	0	0	3.6	1.8	1.8	1.8	0	1.8	

	From North					From East				From South				From West					
Start Time	4	3	2	1	App. Total	7	6	5	App. Total	11	10	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 12:15																			
12:15	0	0	4	1	5	2	1	0	3	0	0	0	0	0	0	0	0	0	8
12:30	0	0	4	0	4	2	0	0	2	0	0	1	1	0	0	0	0	0	7
12:45	0	0	1	0	1	3	0	0	3	0	0	0	0	0	0	0	0	0	4
13:00	2	0	0	0	2	4	1	0	5	0	0	0	0	0	0	0	0	0	7
Total Volume	2	0	9	1	12	11	2	0	13	0	0	1	1	0	0	0	0	0	26
% App. Total	16.7	0	75	8.3		84.6	15.4	0		0	0	100		0	0	0	0		
PHF	.250	.000	.563	.250	.600	.688	.500	.000	.650	.000	.000	.250	.250	.000	.000	.000	.000	.000	.813

Peak Hour Analysis From 11:00 to 13:45 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	12:15					12:45				12:30				13:00					
+0 mins.	0	0	4	1	5	3	0	0	3	0	0	1	1	0	0	0	0	0	
+15 mins.	0	0	4	0	4	4	1	0	5	0	0	0	0	0	0	0	0	0	
+30 mins.	0	0	1	0	1	3	0	0	3	0	0	0	0	0	0	0	0	0	
+45 mins.	2	0	0	0	2	3	0	0	3	0	1	0	1	1	1	0	0	2	
Total Volume	2	0	9	1	12	13	1	0	14	0	1	1	2	1	1	0	0	2	
% App. Total	16.7	0	75	8.3		92.9	7.1	0		0	50	50		50	50	0	0		
PHF	.250	.000	.563	.250	.600	.813	.250	.000	.700	.000	.250	.250	.500	.250	.250	.000	.000	.250	

BIKE

N/S Street : Locations 20 & 21
E/W Street:
City/State : Hull, MA
Weather : Clear

Accurate Counts
978-664-2565

File Name : 14640020
Site Code : 14640020
Start Date : 8/4/2007
Page No : 1

Groups Printed- Bikes

	From North				From East				From South							From West				
Start Time	4	3	2	1	8	7	6	5	12	11	10	19	18	17	9	16	15	14	13	Int. Total
11:00	0	0	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	5
11:15	1	0	0	2	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	9
11:30	1	0	0	5	0	1	0	0	0	0	0	0	0	0	2	0	1	0	4	14
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	2	0	0	8	0	8	0	0	0	0	0	0	0	0	3	1	1	0	7	30
12:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
12:15	4	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7
12:30	5	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	7
12:45	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	10	0	0	2	0	4	0	0	0	0	0	0	0	3	0	0	0	0	0	19
13:00	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	2	0	0	6
13:15	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	0	1	0	0	5
13:30	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	5
13:45	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	4	0	0	3	0	8	0	0	0	0	0	0	0	1	0	0	4	0	0	20
Grand Total	16	0	0	13	0	20	0	0	0	0	0	0	0	4	3	1	5	0	7	69
Apprch %	55.2	0	0	44.8	0	100	0	0	0	0	0	0	0	57.1	42.9	7.7	38.5	0	53.8	
Total %	23.2	0	0	18.8	0	29	0	0	0	0	0	0	0	5.8	4.3	1.4	7.2	0	10.1	

	From North					From East					From South								From West					
Start Time	4	3	2	1	App. Total	8	7	6	5	App. Total	12	11	10	19	18	17	9	App. Total	16	15	14	13	App. Total	Int. Total
Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1																								
Peak Hour for Entire Intersection Begins at 11:00																								
11:00	0	0	0	1	1	0	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	1	1	5
11:15	1	0	0	2	3	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	1	9
11:30	1	0	0	5	6	0	1	0	0	1	0	0	0	0	0	0	2	2	0	1	0	4	5	14
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2
Total Volume	2	0	0	8	10	0	8	0	0	8	0	0	0	0	0	0	3	3	1	1	0	7	9	30
% App. Total	20	0	0	80		0	100	0	0		0	0	0	0	0	0	100		11.1	11.1	0	77.8		
PHF	.500	.000	.000	.400	.417	.000	.400	.000	.000	.400	.000	.000	.000	.000	.000	.000	.375	.375	.250	.250	.000	.438	.450	.536

Peak Hour Analysis From 11:00 to 13:30 - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:30					12:45					11:00								11:00					
+0 mins.	1	0	0	5	6	0	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	1	1	
+15 mins.	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	1	
+30 mins.	0	0	0	1	1	0	3	0	0	3	0	0	0	0	0	0	2	2	0	1	0	4	5	
+45 mins.	4	0	0	1	5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2	
Total Volume	5	0	0	7	12	0	10	0	0	10	0	0	0	0	0	0	3	3	1	1	0	7	9	
% App. Total	41.7	0	0	58.3		0	100	0	0		0	0	0	0	0	0	100		11.1	11.1	0	77.8		
PHF	.313	.000	.000	.350	.500	.000	.625	.000	.000	.625	.000	.000	.000	.000	.000	.000	.375	.375	.250	.250	.000	.438	.450	

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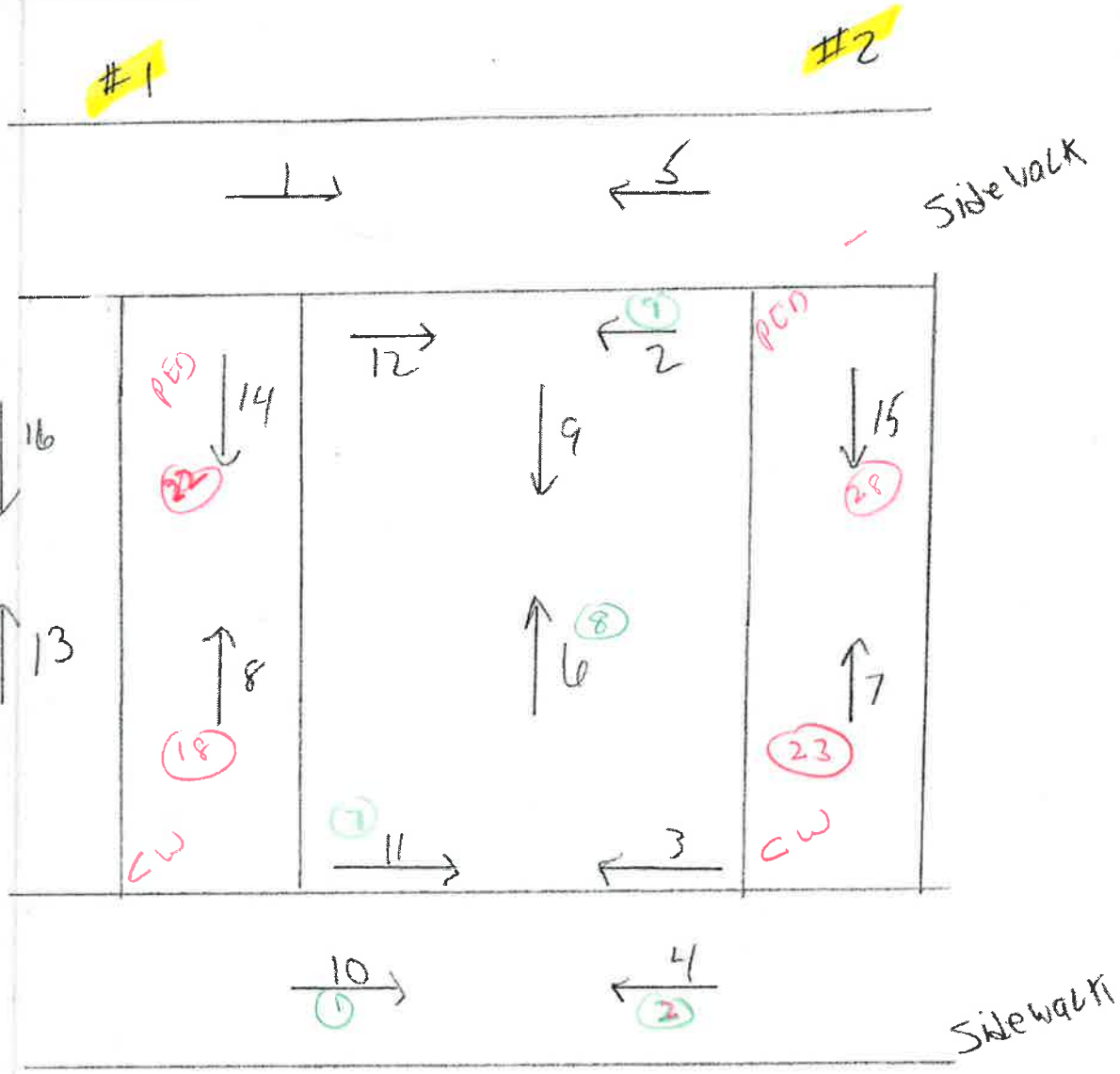

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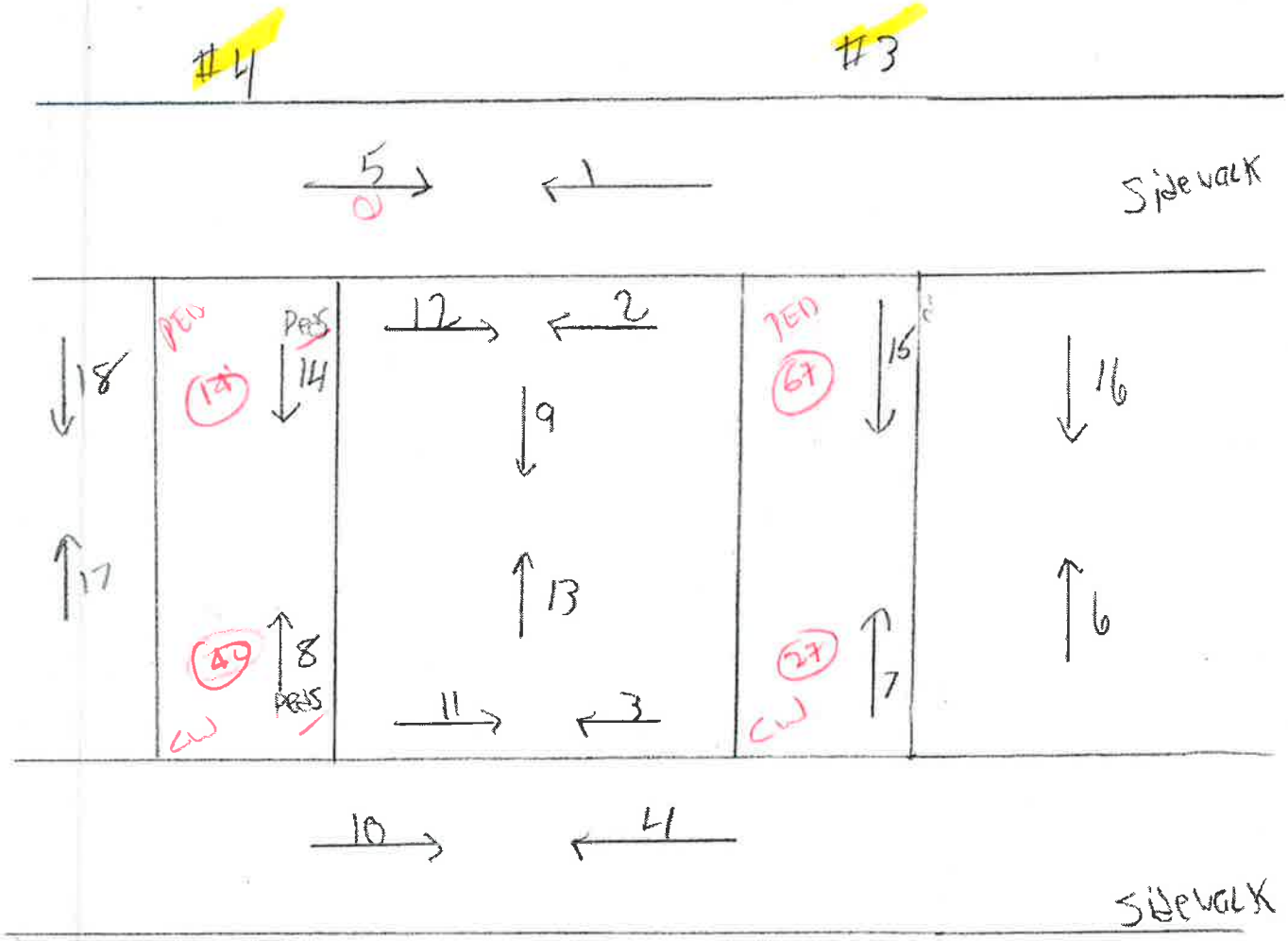

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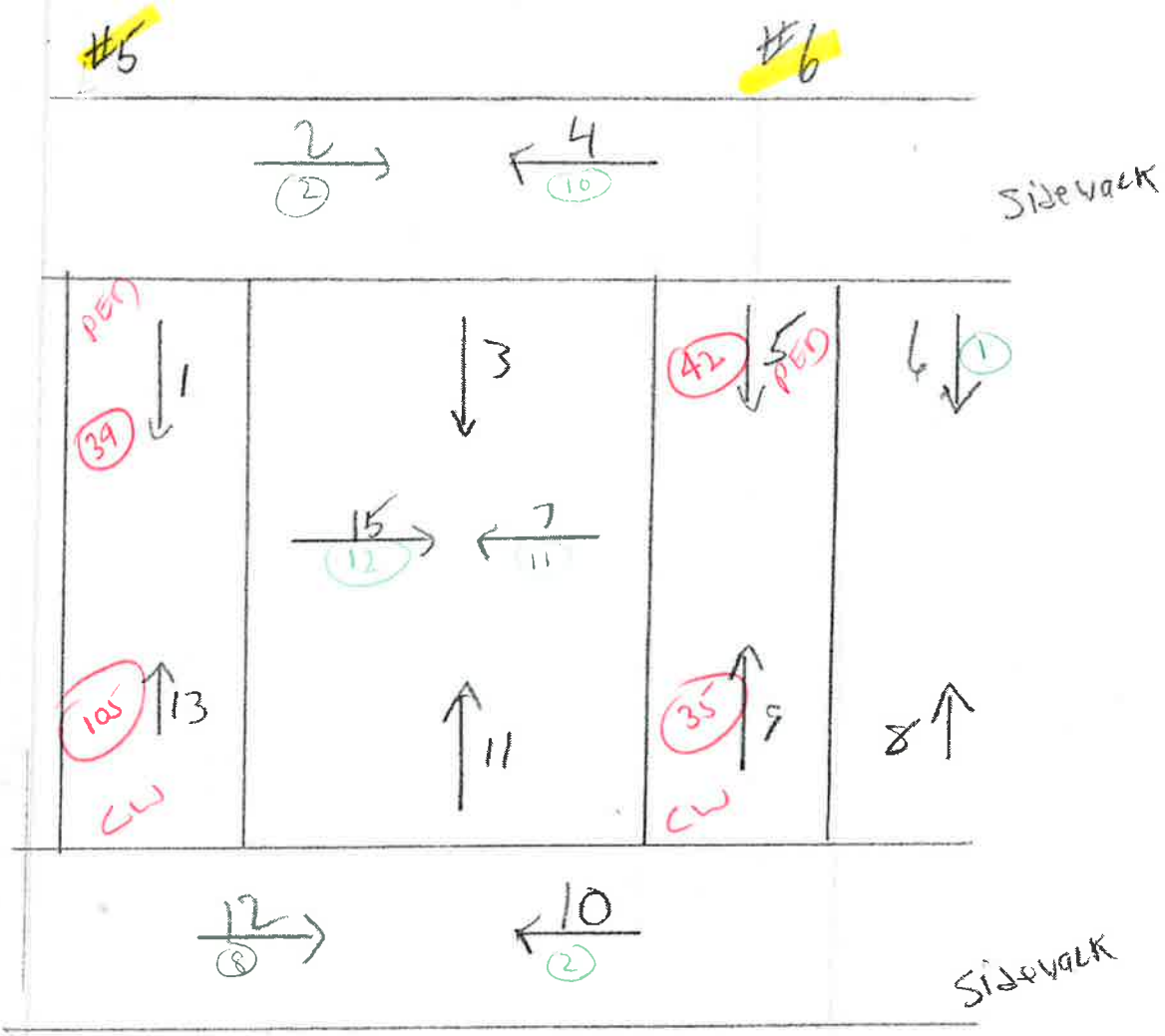

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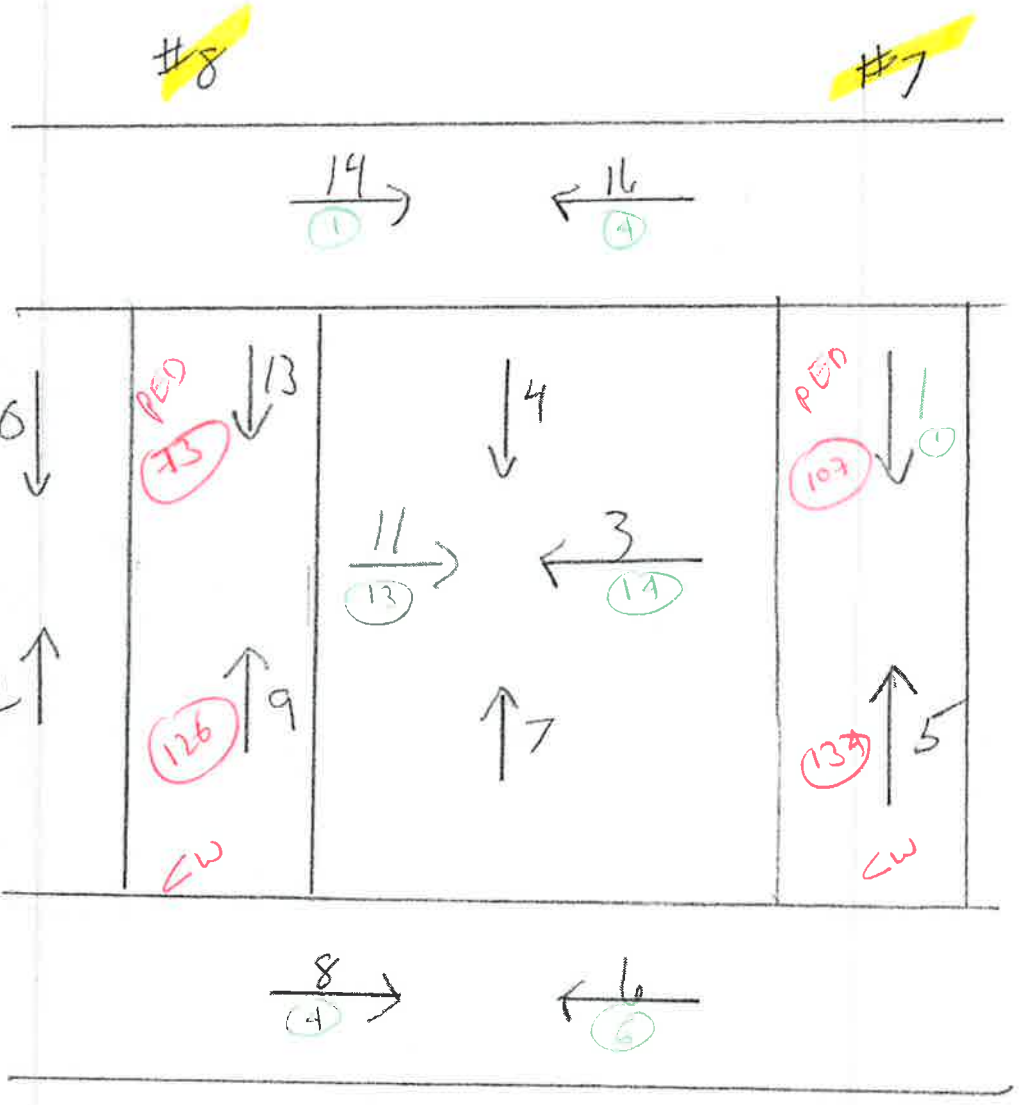

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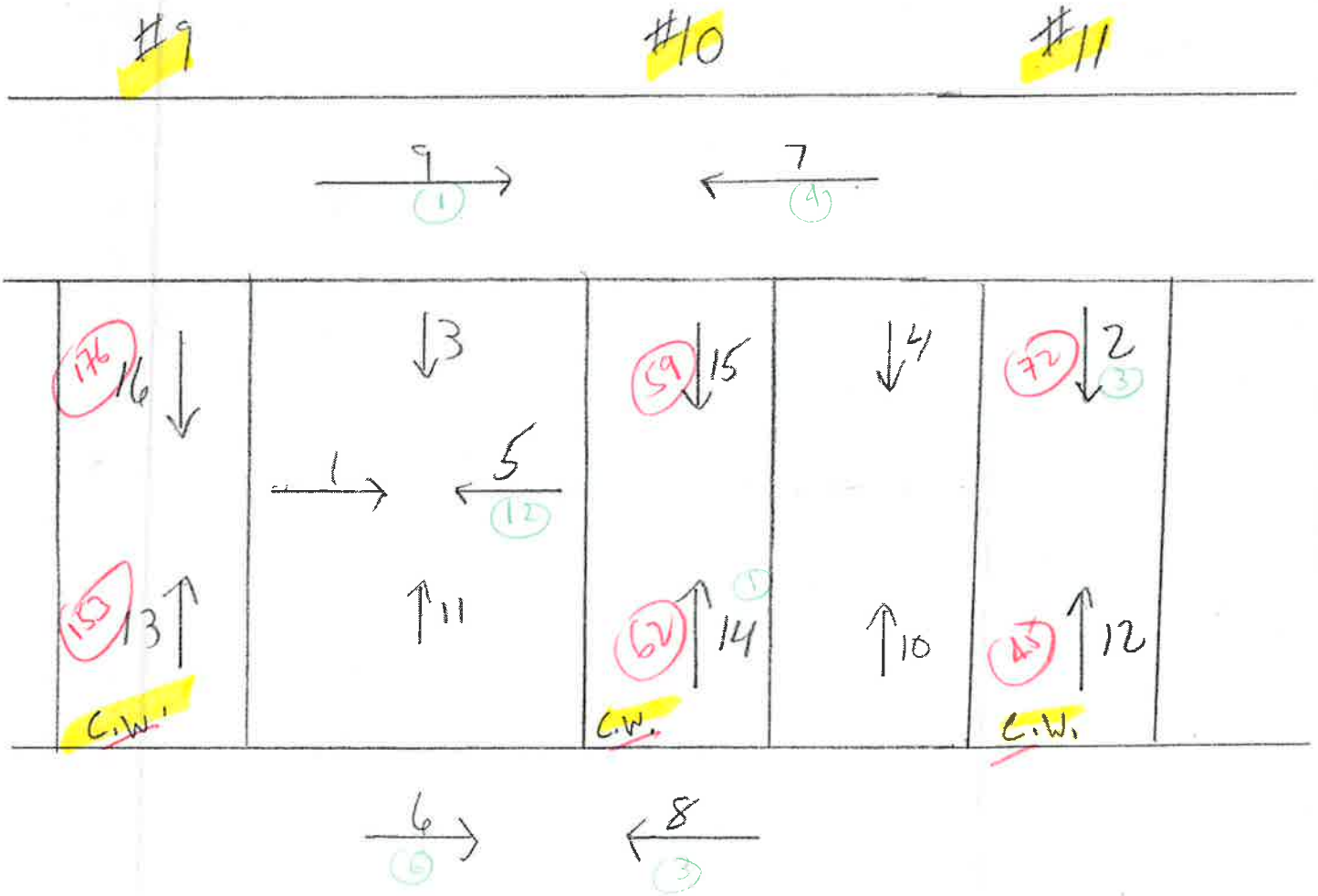

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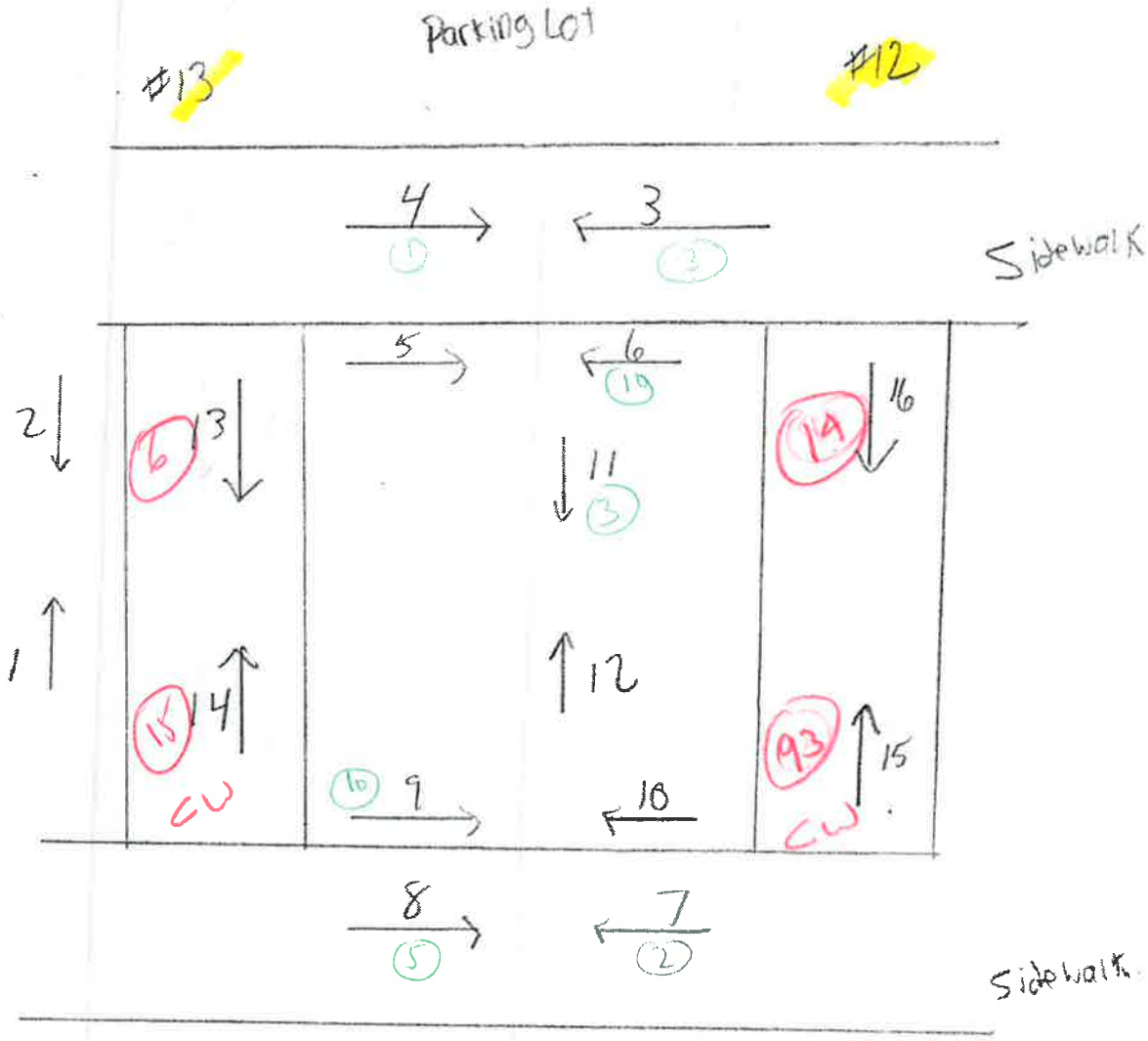

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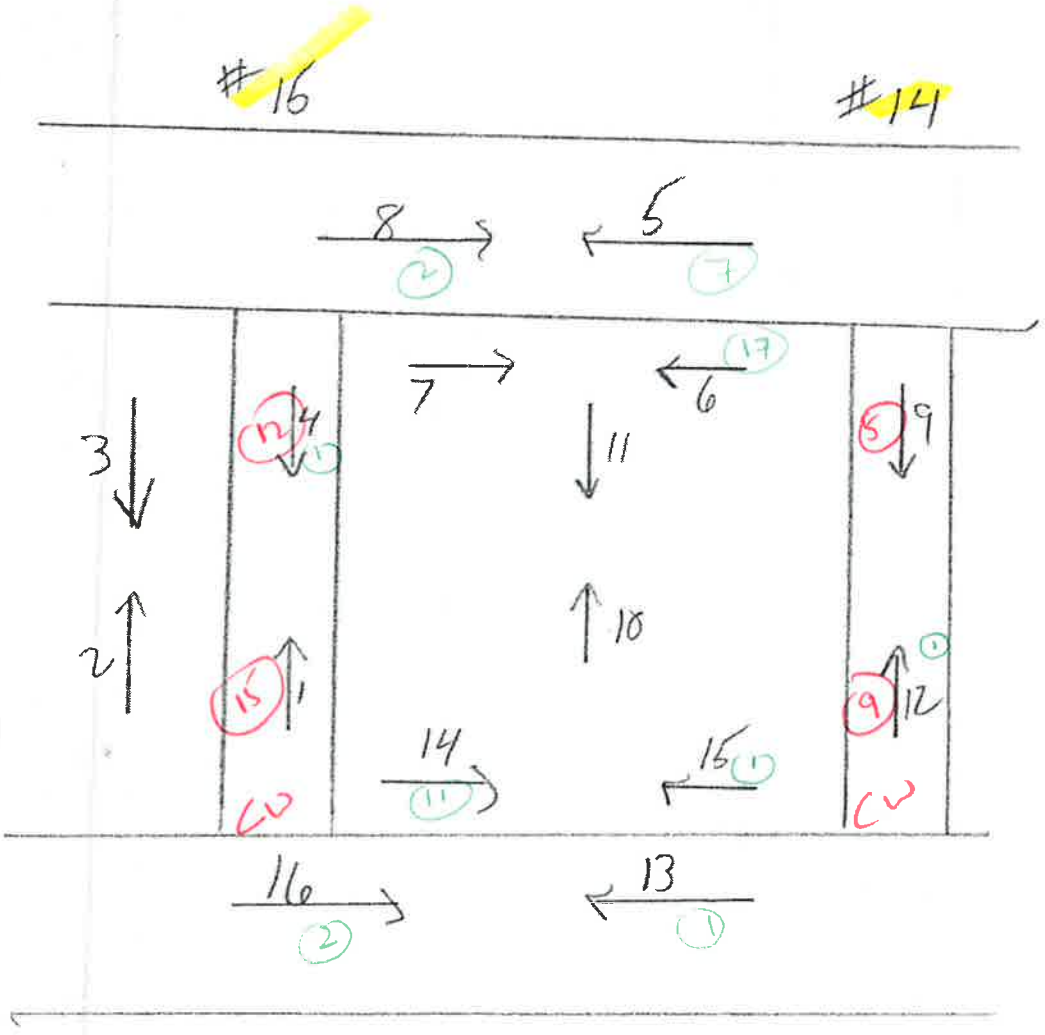

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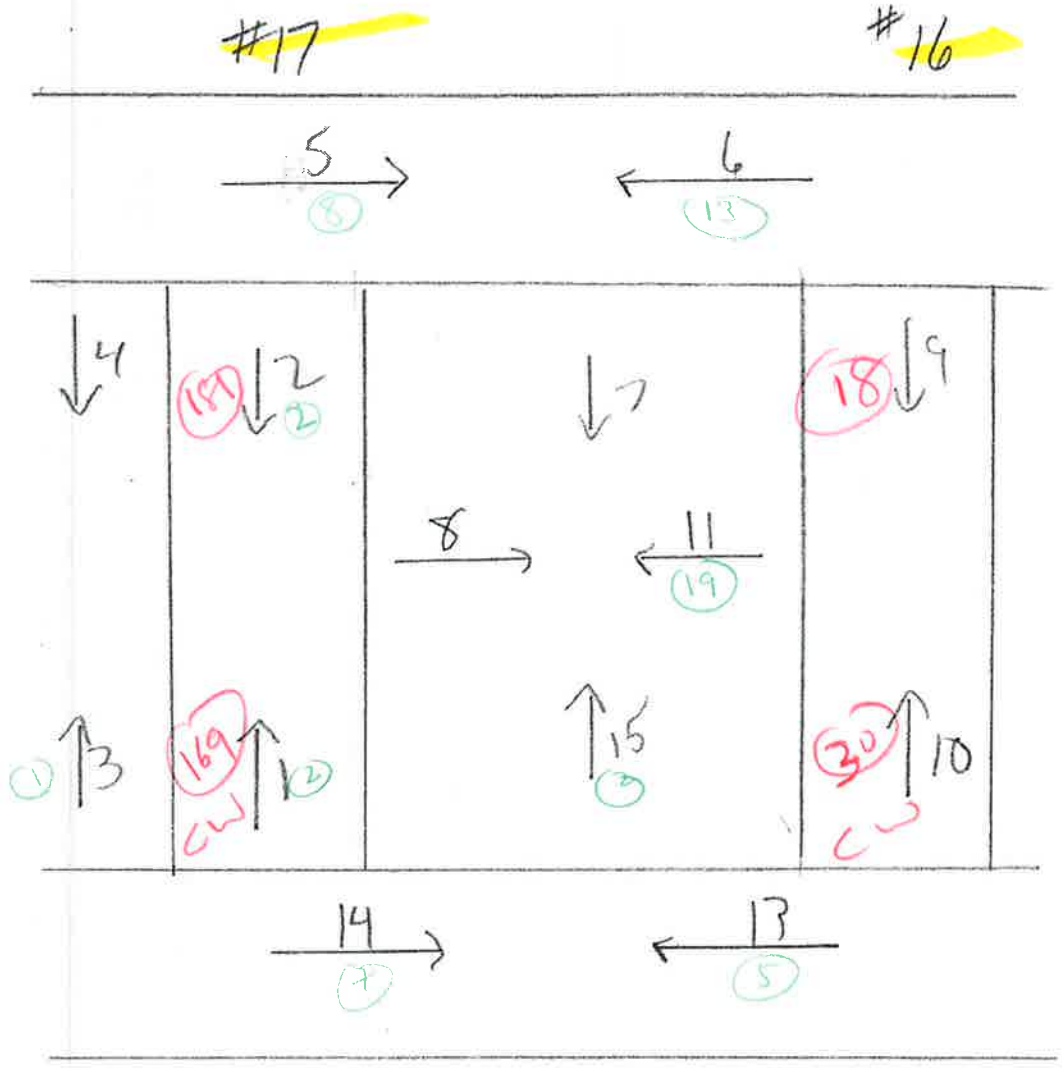

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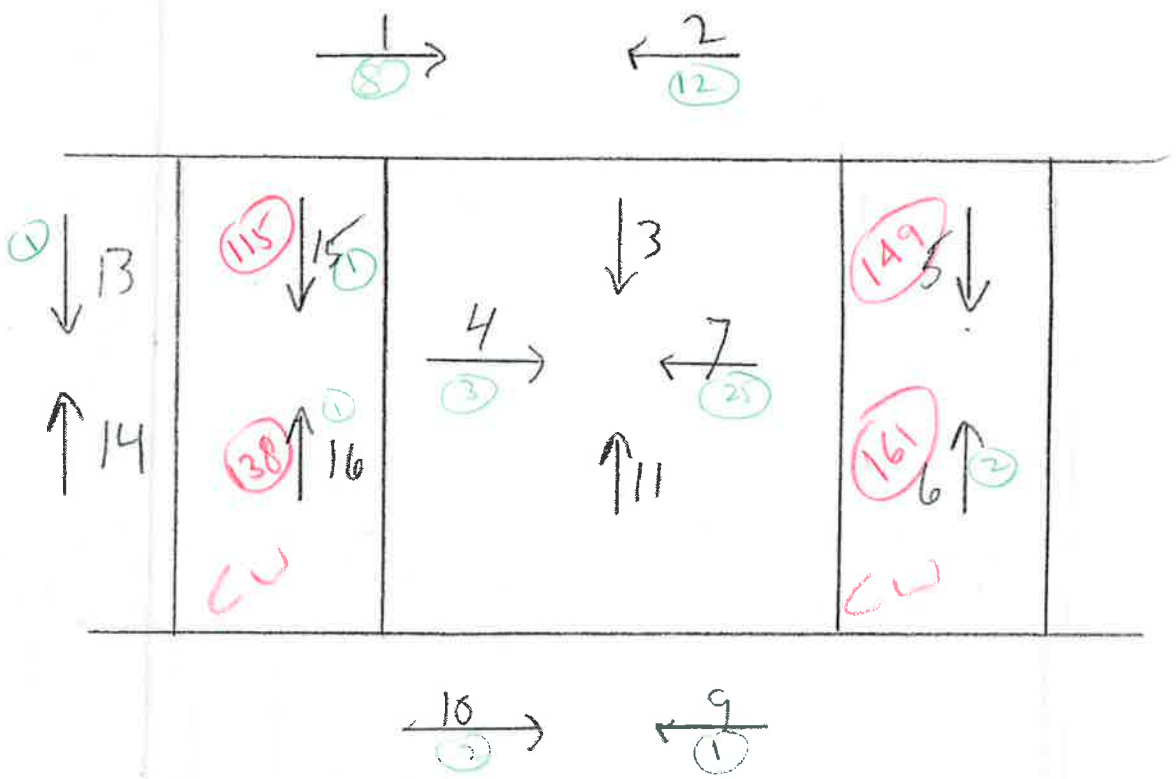

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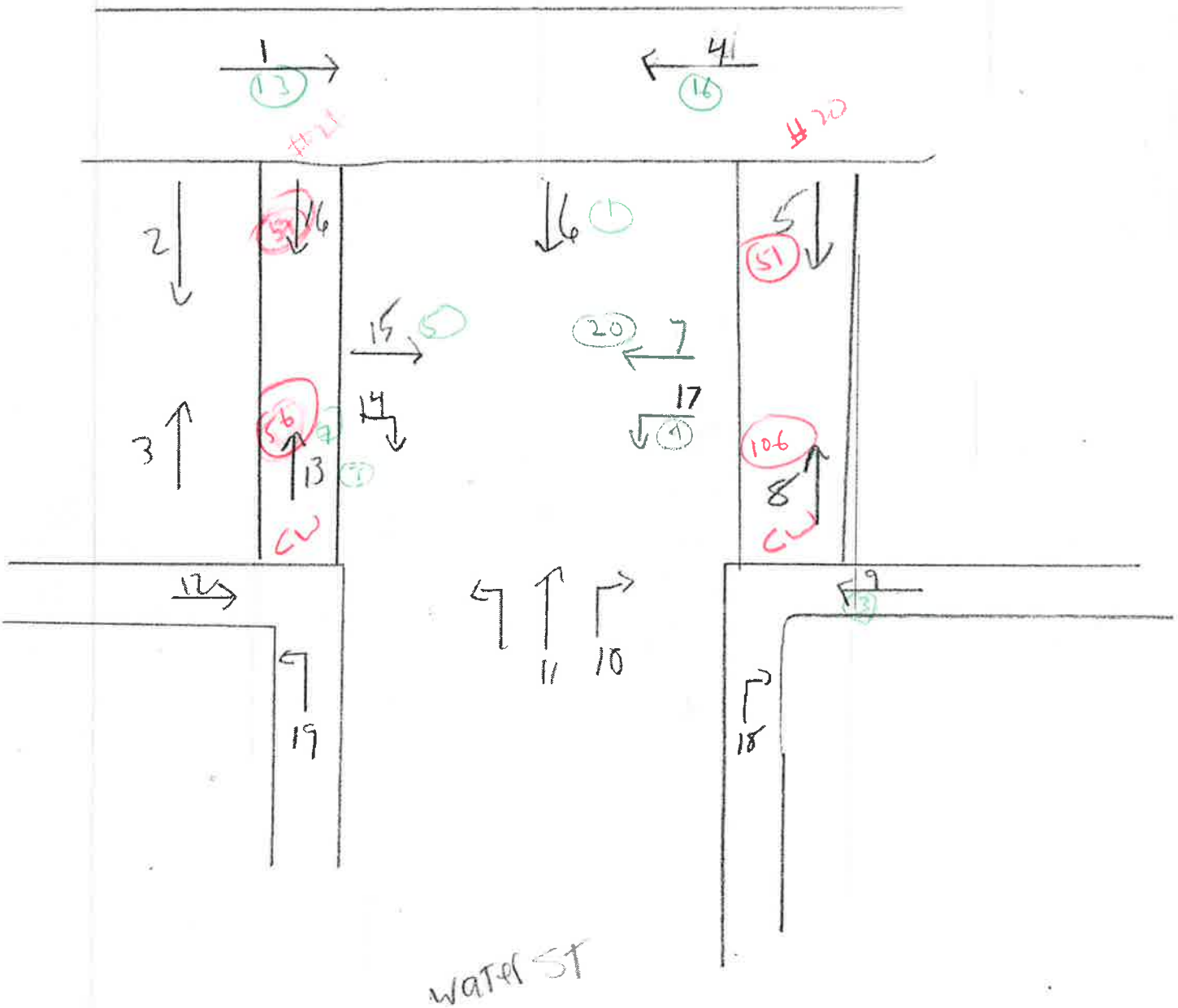
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