



HAJEC ASSOCIATES

Transportation Engineering
and Planning

ATTACHMENT 3

PEAK HOUR INTERSECTION VOLUMES

- * BAYBERRY ROAD AT CHESTNUT STREET
- * BAYBERRY ROAD AT HEALD STREET

■
Hajec Associates, Inc.

375 Common Street
Lawrence, MA 01840
Tel. (978) 557-5887
Fax. (978) 557-1185



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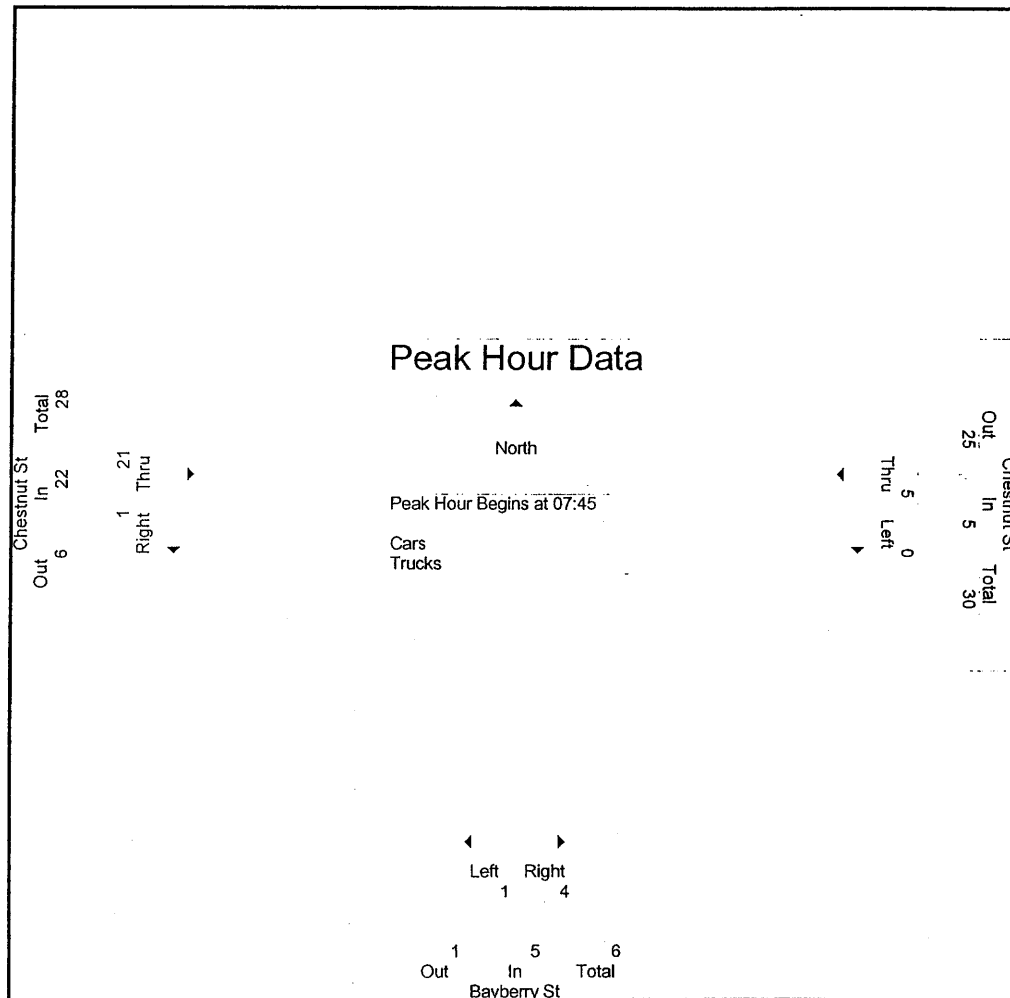
N/S Street : Bayberry Street
 E/W Street: Chestnut Street
 City/State : Pepperell, MA
 Weather : Clear

Accurate Counts
 978-664-2565

AM PEAK ONE HOUR
 CARS AND TRUCKS

File Name : 06030001
 Site Code : 06030001
 Start Date : 4/11/2006
 Page No : 1

Start Time	Chestnut St From East			Bayberry St From South			Chestnut St From West			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45										
07:45	0	0	0	0	2	2	4	1	5	7
08:00	0	3	3	1	0	1	2	0	2	6
08:15	0	1	1	0	1	1	4	0	4	6
08:30	0	1	1	0	1	1	11	0	11	13
Total Volume	0	5	5	1	4	5	21	1	22	32
% App. Total	0	100		20	80		95.5	4.5		
PHF	.000	.417	.417	.250	.500	.625	.477	.250	.500	.615



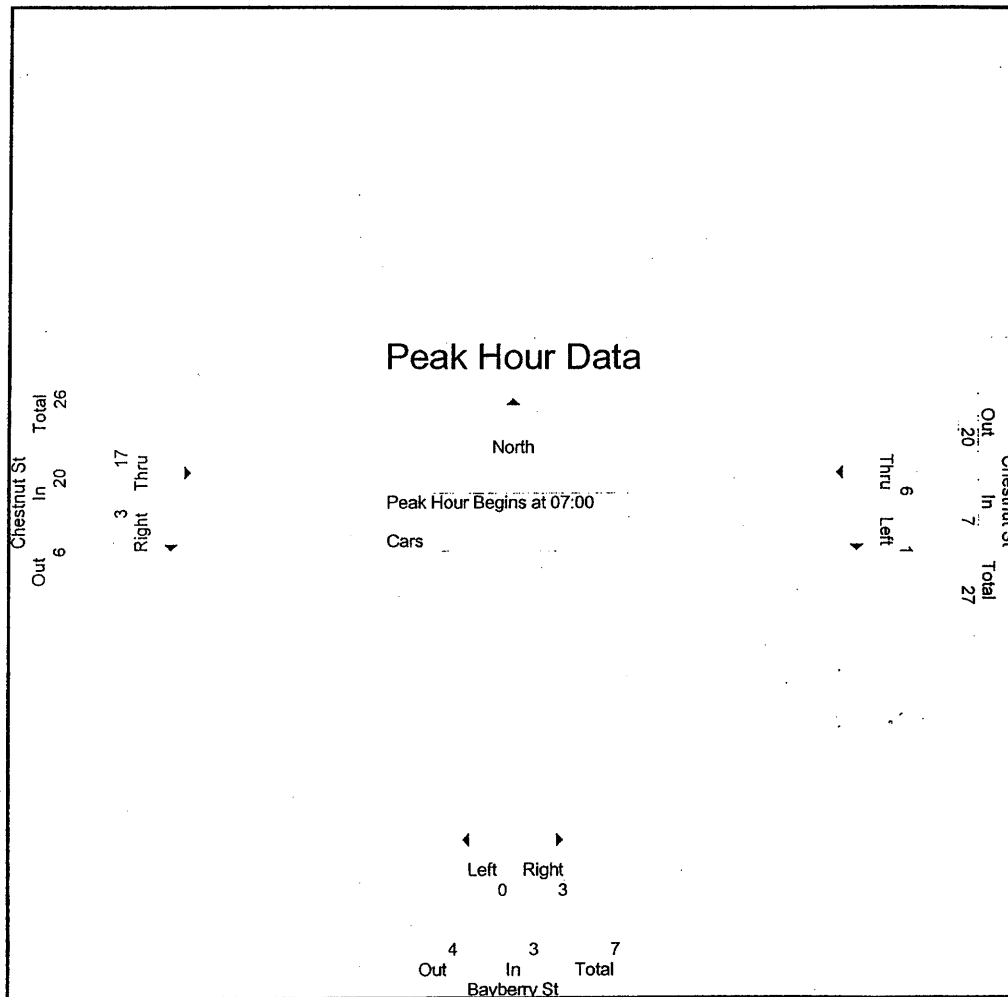
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 City/State : Pepperell, MA
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Accurate Counts
 978-664-2565

AM PEAK ONE HOUR
 CARS ONLY

File Name : 06030001
 Site Code : 06030001
 Start Date : 4/11/2006
 Page No : 1

Start Time	Chestnut St From East			Left	Bayberry St From South		App. Total	Thru	Chestnut St From West		Int. Total
	Left	Thru	App. Total		Right	App. Total			Right	App. Total	
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 07:00											
07:00	1	5	6	0	0	0	0	2	1	3	9
07:15	0	1	1	0	0	0	0	7	1	8	9
07:30	0	0	0	0	1	1	1	4	1	5	6
07:45	0	0	0	0	2	2	2	4	0	4	6
Total Volume	1	6	7	0	3	3	3	17	3	20	30
% App. Total	14.3	85.7		0	100			85	15		
PHF	.250	.300	.292	.000	.375	.375	.375	.607	.750	.625	.833



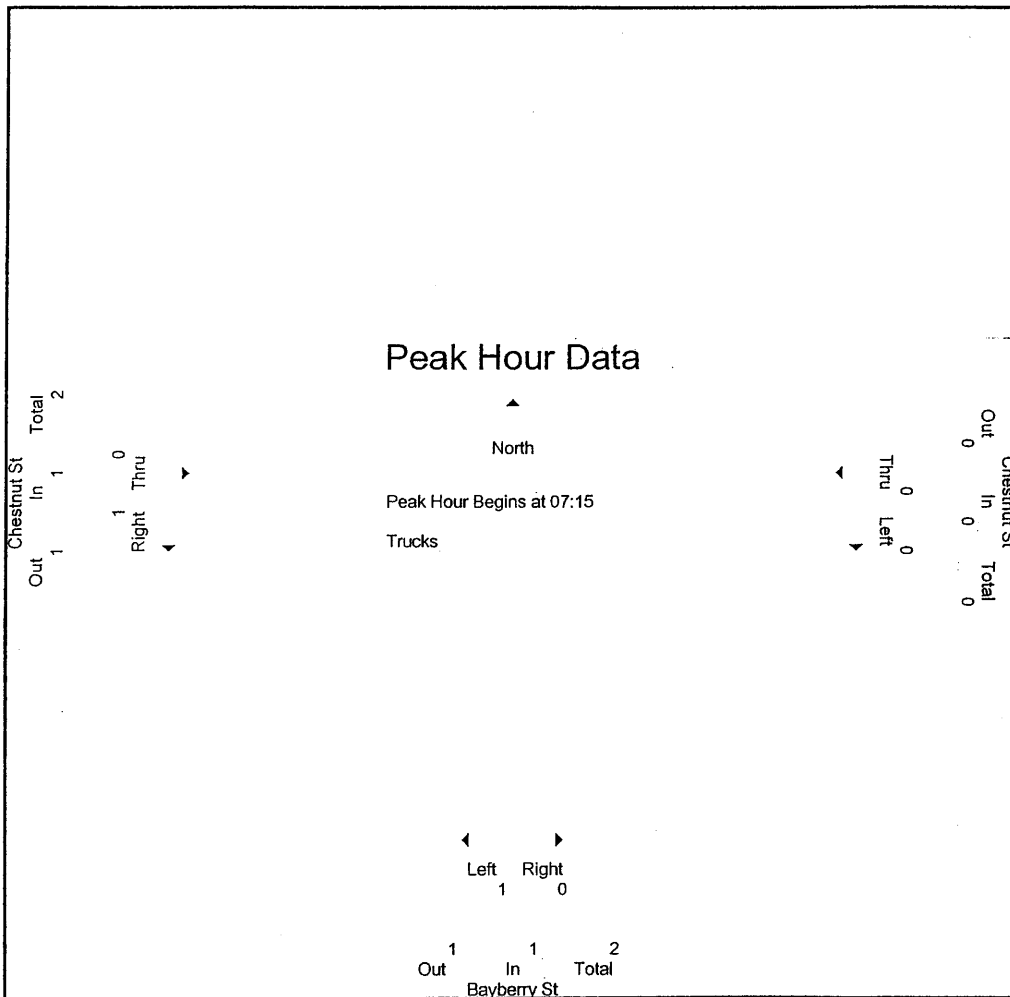
N/S Street : Bayberry Street
 E/W Street: Chestnut Street
 City/State : Pepperell, MA
 Weather : Clear

Accurate Counts
 978-664-2565

**AM PEAK ONE HOUR
 TRUCKS ONLY**

File Name : 06030001
 Site Code : 06030001
 Start Date : 4/11/2006
 Page No : 1

Start Time	Chestnut St From East			Bayberry St From South			Chestnut St From West			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15										
07:15	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	1	0	1
08:00	0	0	0	1	0	1	0	0	0	1
Total Volume	0	0	0	1	0	1	0	1	1	2
% App. Total	0	0		100	0		0	100		
PHF	.000	.000	.000	.250	.000	.250	.000	.250	.250	.500

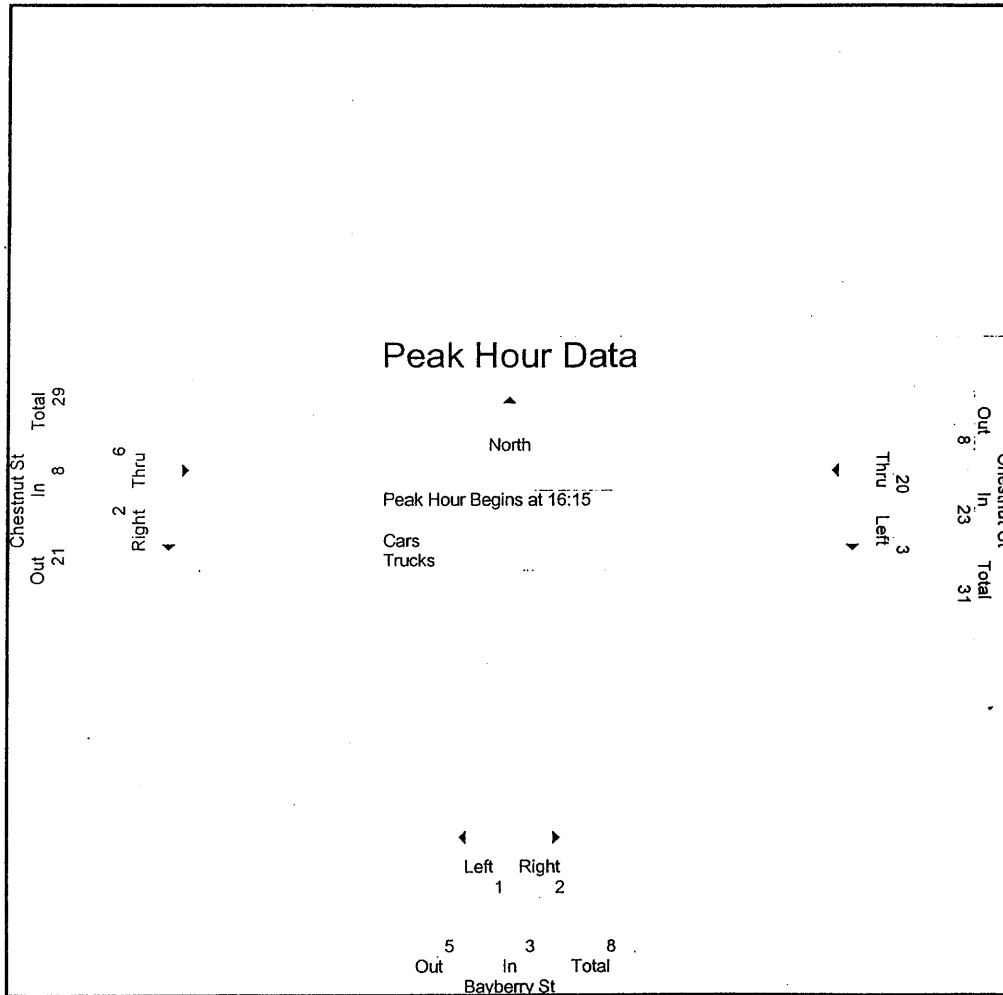


N/S Street : Bayberry Street
E/W Street: Chestnut Street
City/State : Pepperell, MA
Weather : Clear

File Name : 06030001
Site Code : 06030001
Start Date : 4/11/2006
Page No : 1

PM PEAK ONE HOUR
CARS AND TRUCKS

Start Time	Chestnut St From East			Bayberry St From South			Chestnut St From West			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 16:15										
16:15	1	4	5	0	1	1	3	0	3	9
16:30	1	4	5	0	1	1	1	1	2	8
16:45	1	4	5	0	0	0	1	0	1	6
17:00	0	8	8	1	0	1	1	1	2	11
Total Volume	3	20	23	1	2	3	6	2	8	34
% App. Total	13	87		33.3	66.7		75	25		
PHF	.750	.625	.719	.250	.500	.750	.500	.500	.667	.773



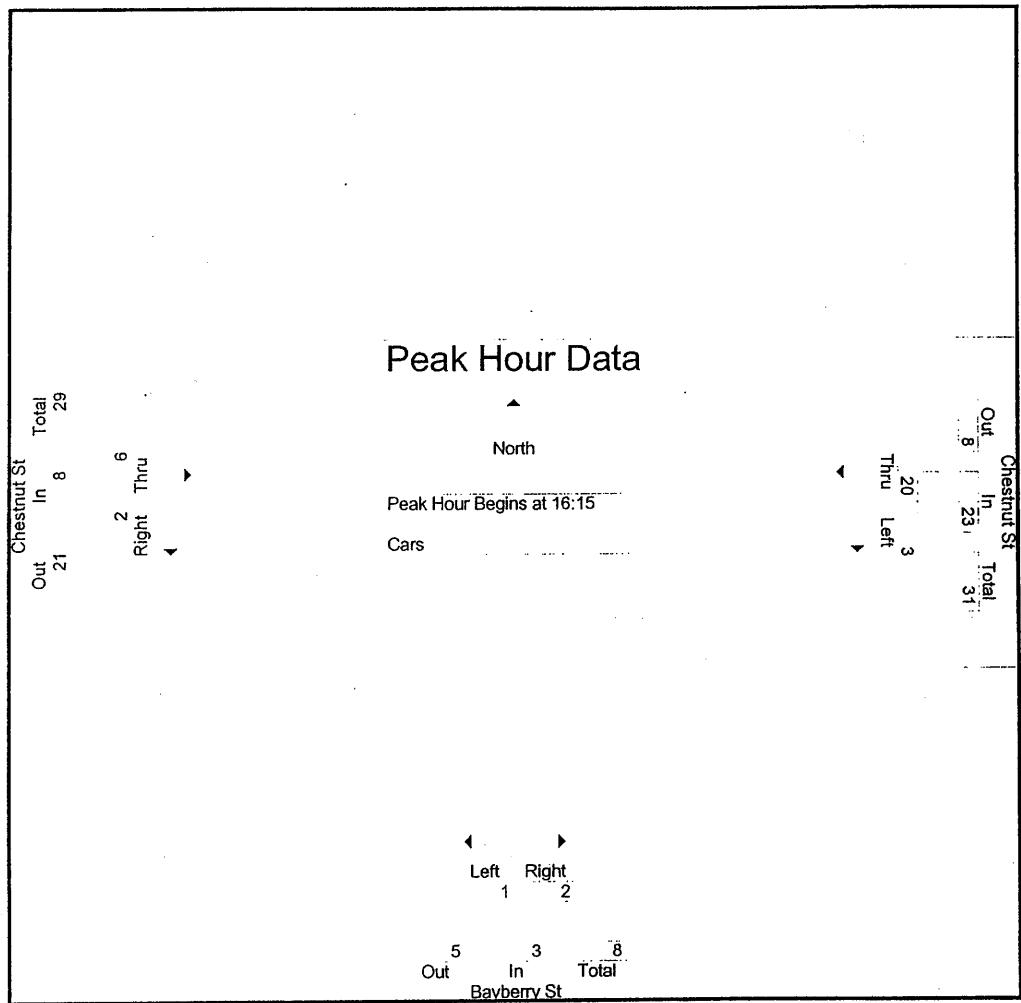
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File Name : 06030001
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PM PEAK ONE HOUR
 CARS ONLY

Start Time	Chestnut St From East			Bayberry St From South			Chestnut St From West			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 16:15										
16:15	1	4	5	0	1	1	3	0	3	9
16:30	1	4	5	0	1	1	1	1	2	8
16:45	1	4	5	0	0	0	1	0	1	6
17:00	0	8	8	1	0	1	1	1	2	11
Total Volume	3	20	23	1	2	3	6	2	8	34
% App. Total	13	87		33.3	66.7		75	25		
PHF	.750	.625	.719	.250	.500	.750	.500	.500	.667	.773

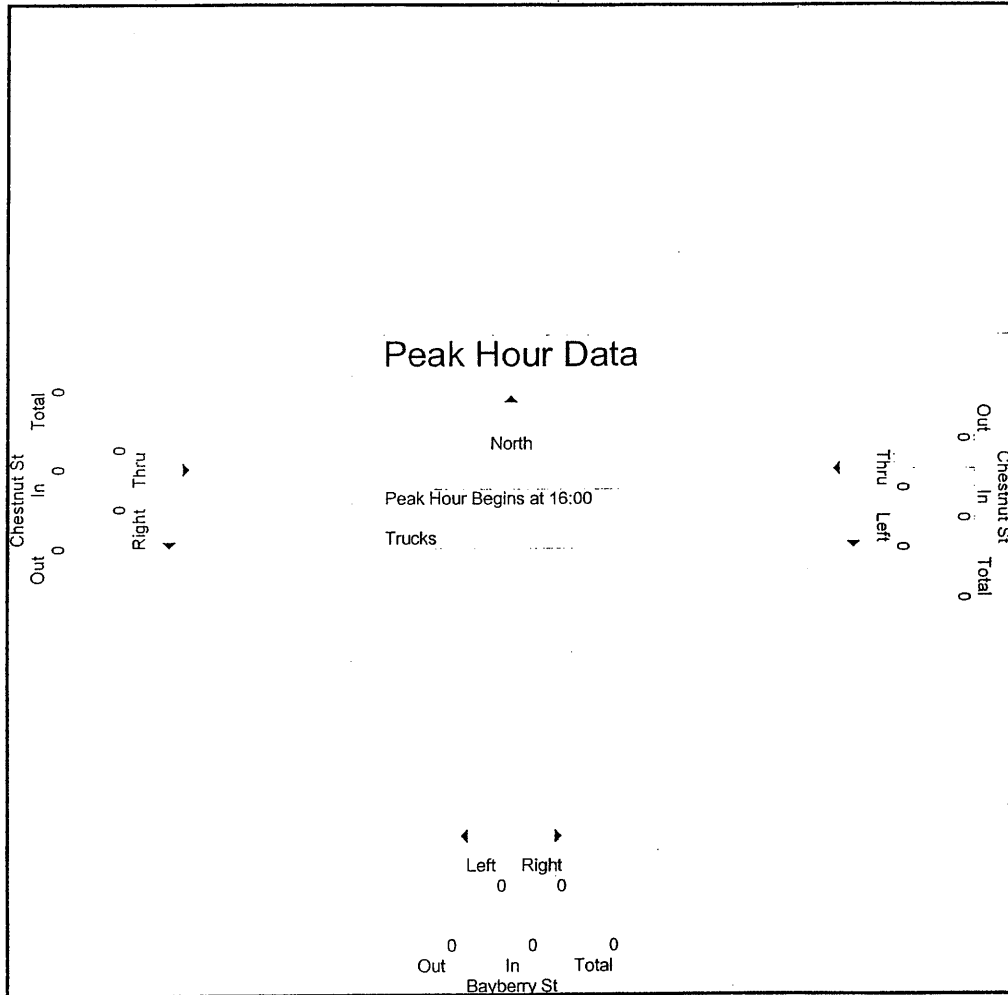


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File Name : 06030001
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TRUCKS ONLY

Start Time	Chestnut St From East			Bayberry St From South			Chestnut St From West			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 16:00										
16:00	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0
PIIF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000





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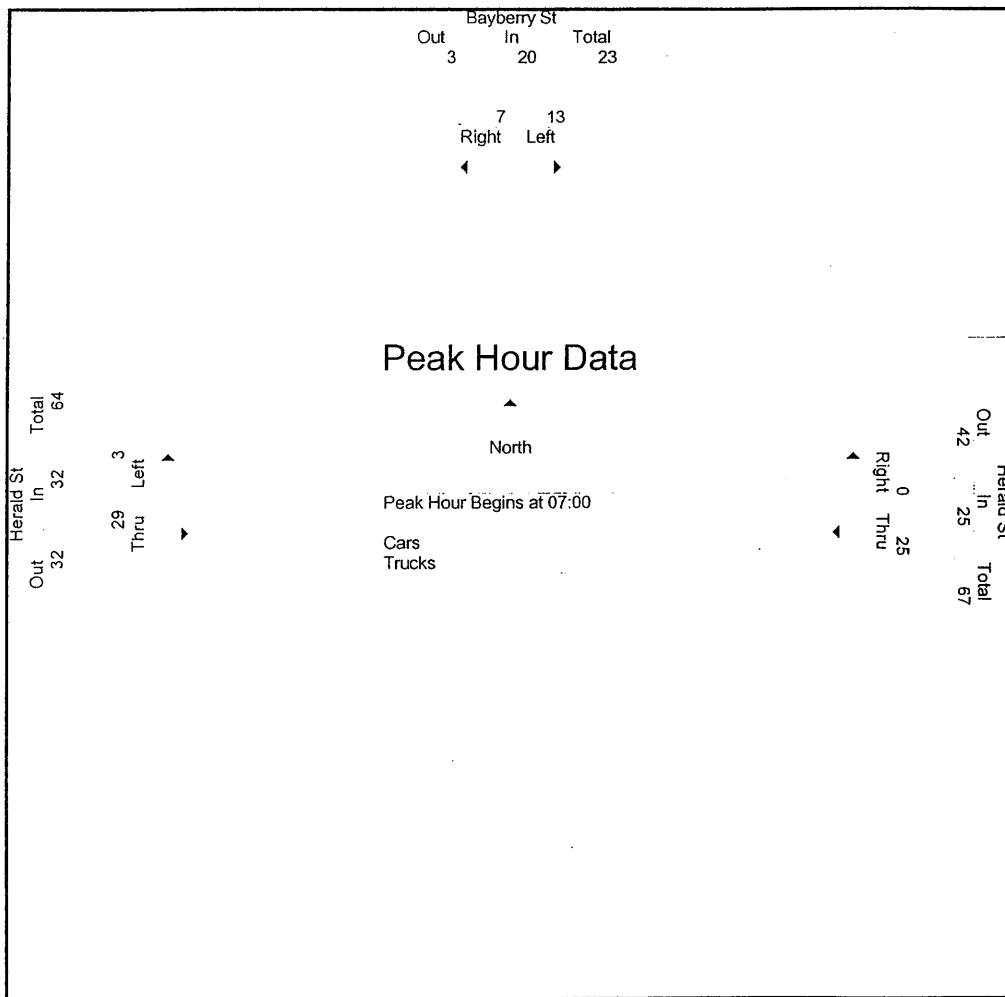
N/S Street : Bayberry Street
 E/W Street: Herald Street
 City/State : Pepperell, MA
 Weather : Clear

Accurate Counts
 978-664-2565

File Name : 06030002
 Site Code : 06030002
 Start Date : 4/11/2006
 Page No : 1

**AM PEAK ONE HOUR
 CARS AND TRUCKS**

Start Time	Bayberry St From North			Thru	Herald St From East		Left	Herald St From West		Int. Total
	Left	Right	App. Total		Right	App. Total		Thru	App. Total	
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00										
07:00	2	3	5	12	0	12	0	5	5	22
07:15	1	1	2	6	0	6	1	8	9	17
07:30	4	0	4	2	0	2	1	5	6	12
07:45	6	3	9	5	0	5	1	11	12	26
Total Volume	13	7	20	25	0	25	3	29	32	77
% App. Total	65	35		100	0		9.4	90.6		
PIHF	.542	.583	.556	.521	.000	.521	.750	.659	.667	.740



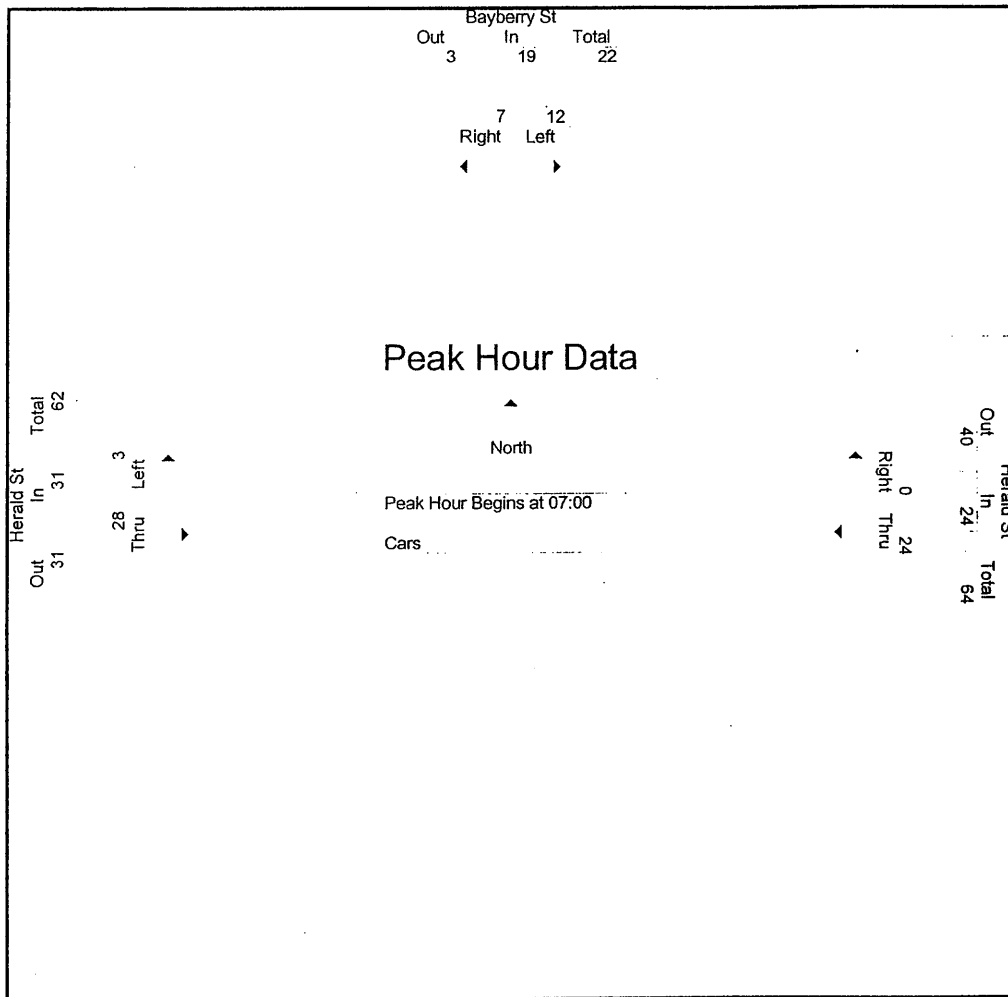
N/S Street : Bayberry Street
 E/W Street: Herald Street
 City/State : Pepperell, MA
 Weather : Clear

Accurate Counts
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**AM PEAK ONE HOUR
 CARS ONLY**

File Name : 06030002
 Site Code : 06030002
 Start Date : 4/11/2006
 Page No : 1

Start Time	Bayberry St From North			Thru	Herald St From East		Left	Herald St From West		Int. Total
	Left	Right	App. Total		Right	App. Total		Thru	App. Total	
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00										
07:00	2	3	5	11	0	11	0	5	5	21
07:15	1	1	2	6	0	6	1	8	9	17
07:30	4	0	4	2	0	2	1	5	6	12
07:45	5	3	8	5	0	5	1	10	11	24
Total Volume	12	7	19	24	0	24	3	28	31	74
% App. Total	63.2	36.8		100	0		9.7	90.3		
PIIF	.600	.583	.594	.545	.000	.545	.750	.700	.705	.771



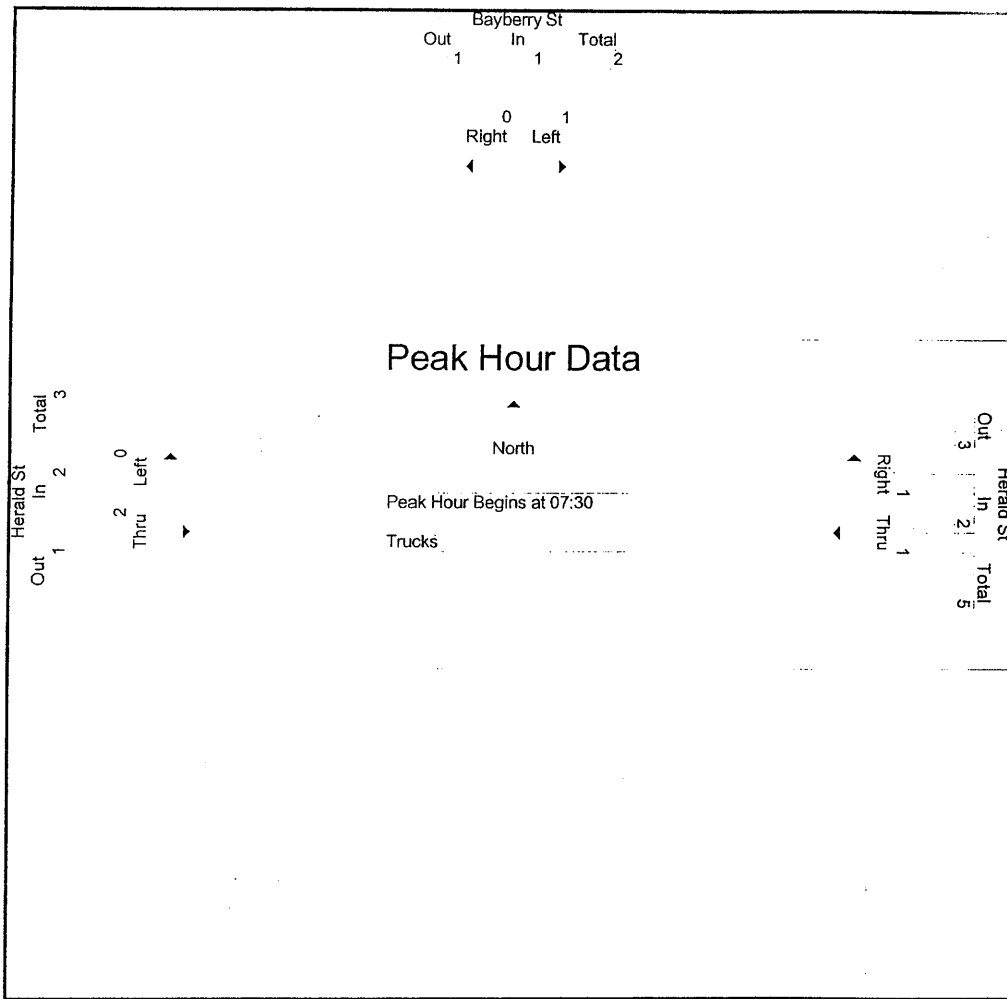
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AM PEAK ONE HOUR
TRUCKS ONLY

File Name : 06030002
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 Start Date : 4/11/2006
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Start Time	Bayberry St From North		App. Total	Thru	Herald St From East		App. Total	Herald St From West		App. Total	Int. Total
	Left	Right			Right	Left		Left	Thru		
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 07:30											
07:30	0	0	0	0	0	0	0	0	0	0	0
07:45	1	0	1	0	0	0	0	0	1	1	2
08:00	0	0	0	0	1	1	1	0	0	0	1
08:15	0	0	0	1	0	0	1	0	1	1	2
Total Volume	1	0	1	1	1	2	0	2	2	5	5
% App. Total	100	0		50	50		0	100			
PHF	.250	.000	.250	.250	.250	.500	.000	.500	.500	.625	



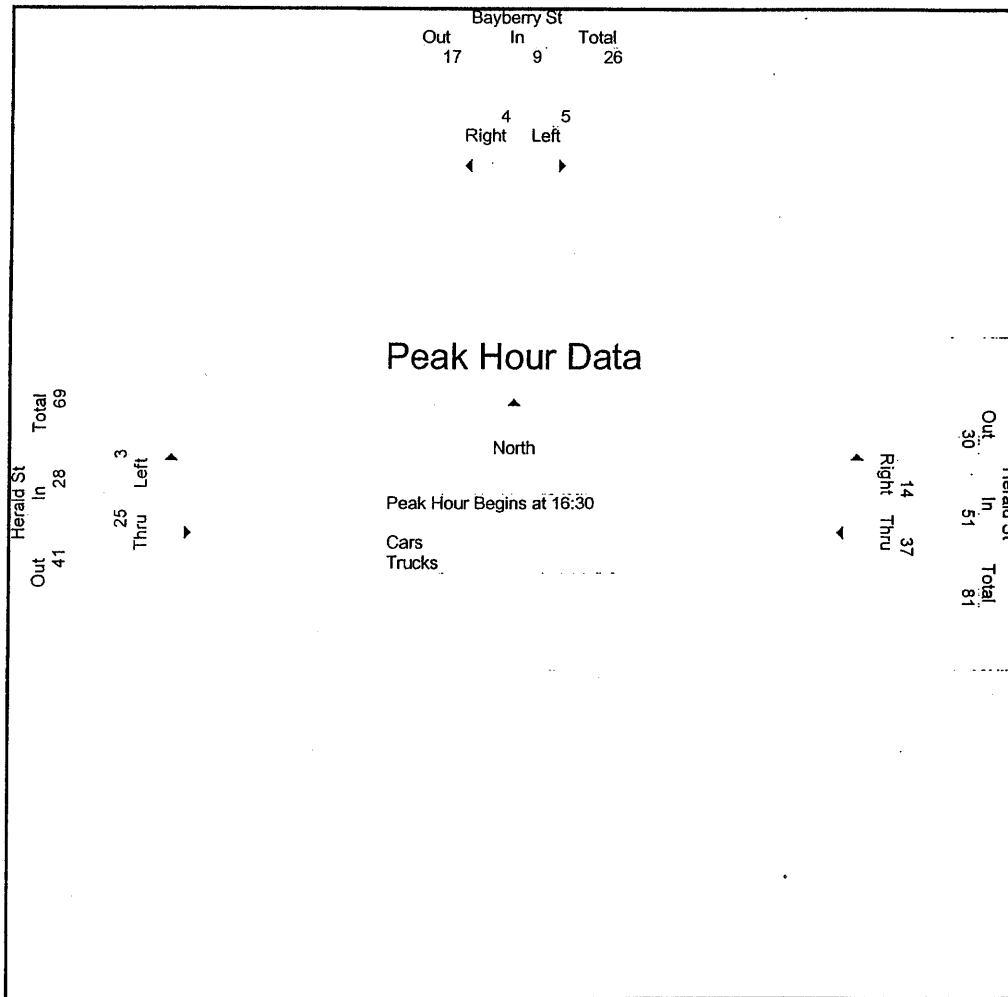
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	Left	Right			Right	Left		Thru	App. Total	
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 16:30										
16:30	1	1	2	13	2	15	2	4	6	23
16:45	0	2	2	6	0	6	1	8	9	17
17:00	1	0	1	10	6	16	0	9	9	26
17:15	3	1	4	8	6	14	0	4	4	22
Total Volume	5	4	9	37	14	51	3	25	28	88
% App. Total	55.6	44.4		72.5	27.5		10.7	89.3		
PIIF	.417	.500	.563	.712	.583	.797	.375	.694	.778	.846

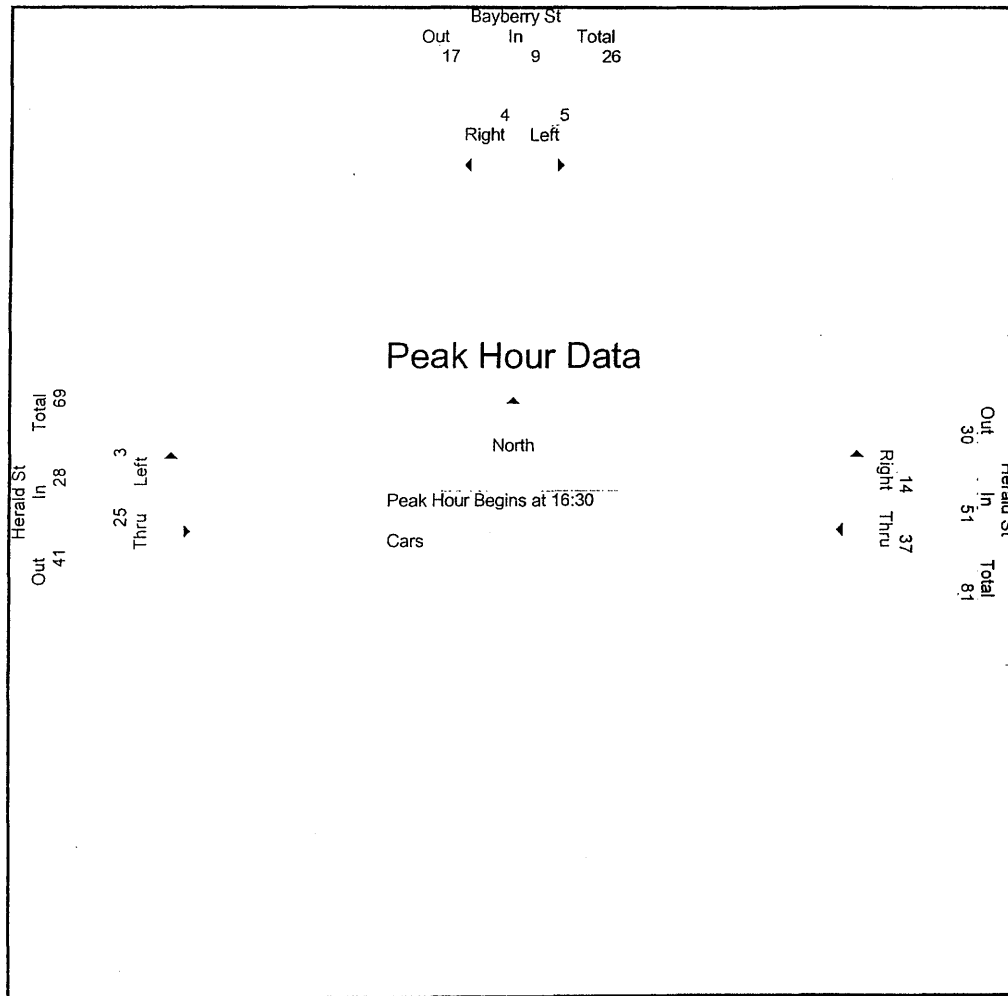


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CARS ONLY**

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	Left	Right			Right	Left		Thru			
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 16:30											
16:30	1	1	2	13	2	15	2	4	6	23	
16:45	0	2	2	6	0	6	1	8	9	17	
17:00	1	0	1	10	6	16	0	9	9	26	
17:15	3	1	4	8	6	14	0	4	4	22	
Total Volume	5	4	9	37	14	51	3	25	28	88	
% App. Total	55.6	44.4		72.5	27.5		10.7	89.3			
PHIF	.417	.500	.563	.712	.583	.797	.375	.694	.778	.846	



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	Left	Right	App. Total		Right	App. Total		Left	Thru	
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 16:00										
16:00	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0	0	0	0	0	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

