

MEMORANDUM

TO: Ms. Deborah E. Sedares
President and General Counsel
Pinehills LLC
33 Summerhouse Drive
Plymouth MA 02360

FROM: Mr. Jeffrey S. Dirk, P.E., PTOE, FITE 
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Professional Engineer in CT, MA, ME, NH, RI and VA

DATE: May 16, 2022

RE: 2073

SUBJECT: Traffic Signal Warrants Analysis
Clark Road/Beaver Dam Road Corridor
Plymouth, Massachusetts

Vanasse & Associates, Inc. (VAI) has performed a detailed Traffic Signal Warrants Analysis (TSWA) for the following intersections along the Clark Road/Beaver Dam Road corridor in Plymouth, Massachusetts, at the request of the Town of Plymouth Department of Public Works (DPW): Clark Road at Pinehills Drive; Clark Road at Meeting Way; Clark Road at Landmark Drive and Mainstone Boulevard; Clark Road at Fairview Lane; Beaver Dam Road at Great Island Road; and Beaver Dam Road at Long Ridge Road and Little Island Road. This analysis was completed in accordance with the methodology and procedures outlined in the *Manual on Uniform Traffic Control Devices* (MUTCD)¹ and based on field measurements and traffic counts conducted in January 2020 and October 2021.

Based on this analysis, it has been concluded that the installation of a traffic control signal is not warranted at the subject locations at this time.

The following details the results of the TSWA.

EXISTING CONDITIONS

A comprehensive field inventory of existing conditions within the study area was conducted in January 2020 and October 2021. This inventory included the collection of traffic-volume data and vehicle travel speed measurements, as well as a review of existing pedestrian and bicycle accommodations, public transportation services, and motor vehicle crash data. The study area was defined by the Town of Plymouth DPW and included the Clark Road/Beaver Dam Road corridor inclusive of the following intersections: Clark Road at Pinehills Drive; Clark Road at Meeting Way; Clark Road at Landmark Drive and Mainstone Boulevard; Clark Road at Fairview Lane; Beaver Dam Road at Great Island Road; and Beaver Dam Road at Long Ridge Road and Little Island Road. The following summarizes existing conditions at the study area intersections.

¹ *Manual on Uniform Traffic Control Devices* (MUTCD); Federal Highway Administration; Washington, DC; 2009.



Geometry

Clark Road at Pinehills Drive

Pinehills Drive intersects Clark Road from the north to form a three-legged, T-type, unsignalized intersection under STOP-sign control. The Clark Road east and westbound approaches consist of an 11-foot wide general-purpose travel lane with 1- to 3-foot wide marked shoulders provided. The directions of travel along Clark Road are separated by a double-yellow centerline. The Pinehills Drive southbound approach consists of a 20-foot wide travel lane with no marked shoulders provided and vehicles approaching Clark Road are under STOP-sign control. Travel along Pinehills Drive is separated by a raised island at the intersection. Land use in the vicinity of the intersection consists of The Pinehills Fire Station and areas of open and wooded space.

Clark Road at Meeting Way

Meeting Way intersects Clark Road from the north to form a three-legged, T-type, unsignalized intersection under STOP-sign control. The Clark Road east and westbound approaches consist of an 11- to 12-foot wide general-purpose travel lane with 1- to 2-foot wide marked shoulders provided. The directions of travel along Clark Road are separated by a double-yellow centerline. Meeting Way consists of a 22-foot wide paved roadway that accommodates two-way travel with no marked centerline or shoulder provided and vehicles approaching Clark Road are under STOP-sign control. A sidewalk is provided along the north side of Clark Road with a crosswalk crossing Meeting Way. Land use in the vicinity of the intersection consists of The Pinehills Red Barn and areas of open and wooded space.

Clark Road at Landmark Drive and Mainstone Boulevard

Landmark Drive and Mainstone Boulevard intersect Clark Road from the north and south, respectively, to form a four-legged, unsignalized intersection under STOP-sign control. The Clark Road east and westbound approaches consist of a 12-foot wide general-purpose travel lane with 2-foot wide marked shoulders provided. The directions of travel along Clark Road are separated by a double-yellow centerline. Landmark Drive consists of a 21-foot wide paved roadway that accommodates two-way travel with no marked centerline or shoulders provided and vehicles approaching Clark Road under STOP-sign control. Mainstone Boulevard consists of a 22-foot wide paved roadway that accommodates two-way travel with no marked centerline or shoulder provided and vehicles approaching Clark Road are under STOP-sign control. Sidewalks are provided along the intersecting roadways with crosswalks provided for crossing the Clark Road west leg, Landmark Drive, and Mainstone Boulevard. A pedestrian actuated rectangular rapid flash beacon (RRFB) is provided for the Clark Road crosswalk. Land use in the vicinity of the intersection consists of areas of open and wooded space.

Clark Road at Fairview Lane

Fairview Lane intersects Clark Road from the south to form a three-legged, T-type, unsignalized intersection under STOP-sign control. The Clark Road east and westbound approaches consist of an 11- to 12-foot wide general-purpose travel lane with 2- to 3-foot wide marked shoulders provided. The directions of travel along Clark Road are separated by a double-yellow centerline. Fairview Lane consists of a 26-foot wide paved roadway that accommodates two-way travel with no marked centerline or shoulder provided and vehicles approaching Clark Road under STOP-sign control; however, a STOP-sign is not currently provided. A crosswalk is provided for crossing the west leg of Clark Road. Land use in the vicinity of the intersection consists of the Clark Estate and areas of open and wooded space.



Beaver Dam Road at Great Island Road

Great Island Road intersects Beaver Dam Road from the south to form a three-legged, T-type, unsignalized intersection under STOP-sign control. The Beaver Dam Road east and westbound approaches consist of a 12-foot wide general-purpose travel lane with 1-foot wide marked shoulders provided. The directions of travel along Beaver Dam Road are separated by a double-yellow centerline. Great Island Road consists of a 20-foot wide paved roadway that accommodates two-way travel with vehicles approaching Beaver Dam Road under STOP-sign control. Sidewalks are provided along the north side of Beaver Dam Road to the west of the intersection and along the south side to the east of the intersection, and along the east side of Great Island Road. A crosswalk is provided for crossing the east leg of the intersection. Land use in the vicinity of the intersection consists of areas of wooded space.

Beaver Dam Road at Long Ridge Road and Little Island Road

Long Ridge Road and Little Island Road intersect Beaver Dam Road from the north and south, respectively, to form a four-legged, unsignalized intersection under STOP-sign control. The Beaver Dam Road east and westbound approaches consist of a 12-foot wide general-purpose travel lane with 2-foot wide marked shoulders provided. The directions of travel along Beaver Dam Road are separated by a double-yellow centerline. The Little Island Road northbound and Long Ridge Road southbound approaches consist of 16- to 18-foot wide general-purpose travel lanes, respectively, with no marked shoulder provided, and vehicles approaching Beaver Dam Road are under STOP-sign control. The directions of travel along both roadways are separated by a raised island at the intersection. Land use in the vicinity of the intersection consists of a golf course and areas of wooded space.

Existing Traffic Volumes

Manual turning movement and vehicle classification counts (TMCs) were conducted at each of the study area intersections over a continuous 12-hour period (7:00 AM to 7:00 PM) on Thursday, October 14, 2021. In order to evaluate the potential for seasonal fluctuation of traffic volumes within the study area, historic traffic-volume data was reviewed for the nearest MassDOT permanent count station.² The October traffic volumes were found to be approximately 1.5 percent below average-month traffic conditions and, therefore, were adjusted upward accordingly to average-month conditions pursuant to the methodology and procedures for conducting a TSWA as defined in the MUTCD.³

Given that mandatory COVID-19 restrictions were lifted and replaced with voluntary measures on May 29, 2021, prior to the date of the collection of the traffic volumes that form the basis of this assessment, further adjustment of the traffic-volume data in order to account for pandemic-related restrictions was not performed, particularly given that such adjustments would impact the baseline traffic volumes that form the basis of the TSWA. That being said, the impact of such adjustments on the results of the TSWA was considered.

Table 1 summarizes the 2021 weekday morning (8:45 – 9:45 AM) and evening (3:45 – 4:45 PM) peak-hour traffic volumes at each intersection under average-month conditions.

²MassDOT Traffic Volumes for the Commonwealth of Massachusetts; 2022. Permanent Count Station No. 20 located on Route 3 in Plymouth, north of the Bourne Town Line.

³Ibid 1.



Table 1
2021 EXISTING TRAFFIC VOLUMES

Intersection/Peak Hour	VPH ^a
<i>Clark Road at Pinehills Drive:</i>	
Weekday Morning	1,022
Weekday Evening	1,361
<i>Clark Road at Meeting Way:</i>	
Weekday Morning	783
Weekday Evening	1,060
<i>Clark Road at Landmark Drive and Mainstone Boulevard:</i>	
Weekday Morning	758
Weekday Evening	1,062
<i>Clark Road at Fairview Lane:</i>	
Weekday Morning	631
Weekday Evening	854
<i>Beaver Dam Road at Great Island Road:</i>	
Weekday Morning	538
Weekday Evening	708
<i>Beaver Dam Road at Long Ridge Road and Little Island Road:</i>	
Weekday Morning	438
Weekday Evening	590

^aVehicles per hour.

TRAFFIC SIGNAL WARRANT ANALYSIS

The MUTCD establishes nine warrants or criteria to evaluate a location for the installation (or retention) of a traffic signal. At least one of the nine warrants must be satisfied in order to justify the installation or retention of a traffic signal; however, satisfaction of a warrant in and of itself does not necessarily indicate that the installation of a traffic signal is the best traffic control solution. An engineering evaluation of the location in question should indicate that the establishment of traffic signal control will improve the overall safety and/or operation of the intersection. Table 2 lists the nine warrants used to evaluate an intersection for traffic signal control as presented in the MUTCD.



Table 2
TRAFFIC SIGNAL WARRANTS

Warrant No.	Description
1	Eight-Hour Vehicular Volume
2	Four-Hour Vehicular Volume
3	Peak-Hour
4	Pedestrian Volume
5	School Crossing
6	Coordinated Signal System
7	Crash Experience
8	Roadway Network
9	Intersection Near a Grade Crossing

Each of the nine traffic signal warrants listed in Table 2 were evaluated for the study area intersections using the 2021 traffic count data and based on a 40 mph approach speed and the following intersection geometry for each location:

Intersections

Clark Road at Pinehills Drive

- ***Clark Road Eastbound:*** One (1) travel lane approaching Pinehills Drive
- ***Clark Road Westbound:*** One (1) travel lane approaching Pinehills Drive
- ***Pinehills Drive:*** One (1) travel lane approaching Clark Road

Clark Road at Meeting Way

- ***Clark Road Eastbound:*** One (1) travel lane approaching Meeting Way
- ***Clark Road Westbound:*** One (1) travel lane approaching Meeting Way
- ***Meeting Way:*** One (1) travel lane approaching Clark Road

Clark Road at Landmark Drive and Mainstone Boulevard

- ***Clark Road Eastbound:*** One (1) travel lane approaching Landmark Drive and Mainstone Boulevard
- ***Clark Road Westbound:*** One (1) travel lane approaching Landmark Drive and Mainstone Boulevard
- ***Landmark Drive:*** One (1) travel lane approaching Clark Road
- ***Mainstone Boulevard:*** One (1) travel lane approaching Clark Road

Clark Road at Fairview Lane

- ***Clark Road Eastbound:*** One (1) travel lane approaching Fairview Lane
- ***Clark Road westbound:*** One (1) travel lane approaching Fairview Lane
- ***Fairview Lane:*** One (1) travel lane approaching Clark Road



Beaver Dam Road at Great Island Road

- ***Beaver Dam Road Eastbound:*** One (1) travel lane approaching Great Island Road
- ***Beaver Dam Road westbound:*** One (1) travel lane approaching Great Island Road
- ***Great Island Road:*** One (1) travel lane approaching Beaver Dam Road

Beaver Dam Road at Long Ridge Road and Little Island Road

- ***Beaver Dam Road Eastbound:*** One (1) travel lane approaching Long Ridge Road and Little Island Road
- ***Beaver Dam Road westbound:*** One (1) travel lane approaching Long Ridge Road and Little island Road
- ***Long Ridge Road:*** One (1) travel lane approaching Beaver Dam Road
- ***Little Island Road:*** One (1) travel lane approaching Beaver Dam Road

In addition, a review of motor vehicle crash data available from the Massachusetts Department of Transportation (MassDOT) was undertaken as it relates to Warrant 7, *Crash Experience*. Based on a review of the MassDOT crash data, the study area intersection intersections were identified to have averaged approximately one (1) or fewer reported motor vehicle crash per year between 2015 and 2019 (the most recent five-year period for which data is available).

Table 3 summarizes the results of the TSWA for the subject intersections using the information described above, with the detailed TSWA worksheets and supporting materials attached.



Table 3
TRAFFIC SIGNAL WARRANTS ANALYSIS – 2021 EXISTING CONDITIONS

Warrant No.	Description	Intersection					
		Clark Rd./ Pinehills Dr. Satisfied?	Clark Rd./ Meeting Way Satisfied?	Clark Rd./ Landmark Dr./ Mainstone Blvd. Satisfied?	Clark Rd./ Fairview Rd. Satisfied?	Beaver Dam Rd./ Long Ridge Rd./ Little Island Rd. Satisfied?	Beaver Dam Rd./ Long Ridge Rd./ Little Island Rd. Satisfied?
1	Eight-Hour Vehicular Volume	No	No	No	No	No	No
2	Four-Hour Vehicular Volume	No	No	No	No	No	No
3	Peak Hour	No	No	No	No	No	No
4	Pedestrian Volume	No	No	No	No	No	No
5	School Crossing	No	No	No	No	No	No
6	Coordinated Signal System	No	No	No	No	No	No
7	Crash Experience	No	No	No	No	No	No
8	Roadway Network	No	No	No	No	No	No
9	Intersection Near a Grade Crossing	No	No	No	No	No	No



As can be seen in Table 3, none (0) of the study area intersections were found to meet the Warrants specified in the MUTCD to justify the installation of a traffic control signal under current (2021) traffic-volume conditions.

For the Clark Road/Pinehills Drive intersection, the TSWA was performed using the following guidance provided in the MUTCD with respect to the consideration of right-turn volumes on the minor street approach (Pinehills Drive) to the intersection:

“The study should consider the effects of the right-turn vehicles from the minor-street approaches. Engineering judgment should be used to determine what, if any, portion of the right-turn traffic is subtracted from the minor-street traffic count when evaluating the count against the signal warrants.”

Based on a review of the 12-hour traffic count data, 75 percent of the vehicles on the Pinehills Drive approach were removed from the minor street traffic volumes when performing the TSWA given that the majority of the vehicles on the Pinehills Drive approach (85 to 90 percent) were observed to turn right onto Clark Road, a movement that can be accomplished with much less delay than left-turn movements and that would be afforded limited benefit from the installation of a traffic control signal at the intersection.

SUMMARY

VAI has completed a detailed Traffic Signal Warrants Analysis for the following intersections along the Clark Road/Beaver Dam Road corridor in Plymouth, Massachusetts, at the request of the Town of Plymouth DPW: Clark Road at Pinehills Drive; Clark Road at Meeting Way; Clark Road at Landmark Drive and Mainstone Boulevard; Clark Road at Fairview Lane; Beaver Dam Road at Great Island Road; and Beaver Dam Road at Long Ridge Road and Little Island Road. This analysis was completed in accordance with the methodology and procedures outlined in the MUTCD⁴ and based on field measurements and traffic counts conducted in January 2020 and October 2021. Based on this analysis, it has been concluded that the installation of a traffic control signal is not warranted at the subject locations at this time.

cc: File

⁴Ibid 1.



ATTACHMENTS

MANUAL TURNING MOVEMENT COUNTS
SEASONAL ADJUSTMENT FACTOR
TRAFFIC SIGNAL WARRANT ANALYSIS



MANUAL TURNING MOVEMENT COUNTS



Accurate Counts
978-664-2565

W/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730001
Site Code : 20730001
Start Date : 10/14/2021
Page No : 1

Groups Printed- Cars - Trucks

Start Time	Pinehills Dr From North		Clark Rd From East		Clark Rd From West		Int. Totals
	Left	Right	Thru	Right	Left	Thru	
07:00 AM	1	28	110	0	13	68	220
07:15 AM	1	29	75	2	22	66	195
07:30 AM	0	38	83	4	17	54	196
07:45 AM	3	32	102	6	17	60	220
Total	5	127	370	12	69	248	831
08:00 AM	1	44	75	6	24	83	233
08:15 AM	5	34	66	3	17	74	199
08:30 AM	4	43	88	4	12	70	221
08:45 AM	3	42	92	7	18	90	252
Total	13	163	321	20	71	317	905
09:00 AM	2	34	83	3	33	99	254
09:15 AM	2	36	79	8	30	94	249
09:30 AM	5	48	82	4	26	87	252
09:45 AM	4	32	80	3	37	72	228
Total	13	150	324	18	126	352	983
10:00 AM	4	38	100	4	19	83	248
10:15 AM	3	48	93	6	32	62	244
10:30 AM	1	42	83	8	25	81	240
10:45 AM	2	41	83	9	23	98	256
Total	10	169	359	27	99	324	988
11:00 AM	7	33	82	5	39	71	237
11:15 AM	1	35	94	5	23	74	232
11:30 AM	6	50	74	9	31	85	255
11:45 AM	9	37	91	14	34	79	264
Total	23	155	341	33	127	309	988
12:00 PM	3	42	95	17	32	76	265
12:15 PM	9	39	78	6	31	88	251
12:30 PM	6	41	80	5	27	79	238
12:45 PM	5	35	69	7	28	95	239
Total	23	157	322	35	118	338	993
01:00 PM	4	38	103	5	28	87	265
01:15 PM	5	37	94	4	34	101	275
01:30 PM	4	33	88	9	36	66	236
01:45 PM	5	37	91	6	39	94	272
Total	18	145	376	24	137	348	1048
02:00 PM	4	35	82	3	43	101	268
02:15 PM	2	37	82	7	50	105	283
02:30 PM	4	39	90	8	41	103	285
02:45 PM	2	37	90	9	44	123	305
Total	12	148	344	27	178	432	1141
03:00 PM	9	42	124	5	34	122	336
03:15 PM	3	54	96	11	33	115	312
03:30 PM	5	45	102	5	29	97	283
03:45 PM	5	38	131	7	56	116	353
Total	22	179	453	28	152	450	1284
04:00 PM	3	52	103	12	72	124	366
04:15 PM	5	42	82	10	51	110	300
04:30 PM	8	38	108	11	38	119	322
04:45 PM	4	40	91	6	43	110	294
Total	20	172	384	39	204	463	1282
05:00 PM	1	44	91	9	33	114	292

Accurate Counts

978-664-2565

N/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730001
Site Code : 20730001
Start Date : 10/14/2021
Page No : 2

Groups Printed- Cars - Trucks

Start Time	Pinehills Dr From North		Clark Rd From East		Clark Rd From West		Int. Total
	Left	Right	Thru	Right	Left	Thru	
05:15 PM	6	42	71	5	47	106	271
05:30 PM	5	30	74	5	33	89	236
05:45 PM	5	31	85	5	37	92	255
Total	17	147	321	24	150	401	1060
06:00 PM	4	42	80	10	35	105	276
06:15 PM	6	24	57	6	42	84	214
06:30 PM	4	26	77	6	29	76	218
06:45 PM	6	15	44	0	27	73	165
Total	20	107	258	22	133	338	878
Grand Total	196	1819	4173	309	1564	4320	12381
Apprch %	9.7	90.3	93.1	6.9	26.6	73.4	
Total %	1.6	14.7	33.7	2.5	12.6	34.9	
Cars	192	1801	4085	305	1550	4208	12141
% Cars	98	99	97.9	98.7	99.1	97.4	98.6
Trucks	4	18	88	4	14	112	240
% Trucks	2	1	2.1	1.3	0.9	2.6	1.4

Start Time	Pinehills Dr From North			Clark Rd From East			Clark Rd From West			Int. Total
	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	
08:45 AM	3	42	45	92	7	99	18	90	108	252
09:00 AM	2	34	36	83	3	86	33	99	132	254
09:15 AM	2	36	38	79	8	87	30	94	124	249
09:30 AM	5	48	53	82	4	86	26	87	113	252
Total Volume	12	160	172	336	22	358	107	370	477	1007
% App. Total	7	93		93.9	6.1		22.4	77.6		
PHF	.600	.833	.811	.913	.688	.904	.811	.934	.903	.991
Cars	12	158	170	331	22	353	105	356	461	984
% Cars	100	98.8	98.8	98.5	100	98.6	98.1	96.2	96.6	97.7
Trucks	0	2	2	5	0	5	2	14	16	23
% Trucks	0	1.3	1.2	1.5	0	1.4	1.9	3.8	3.4	2.3

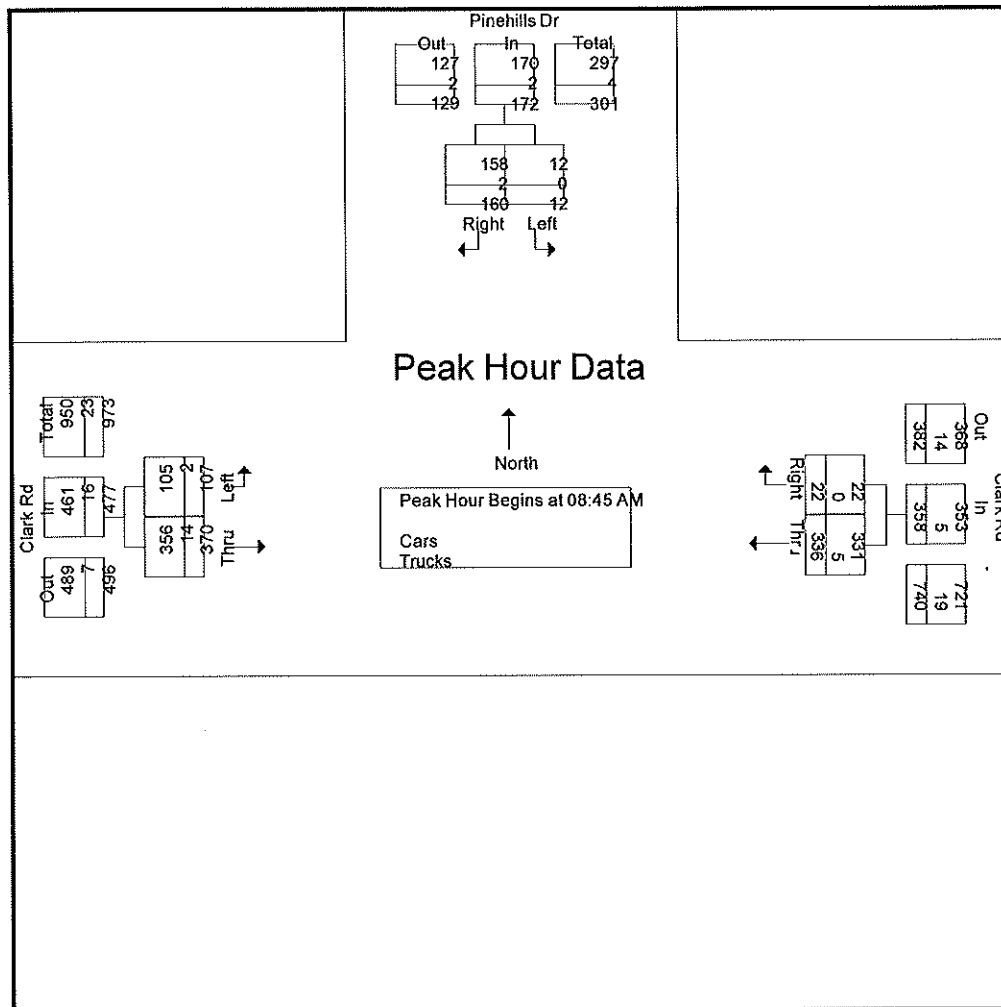
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 08:45 AM

Accurate Counts
978-664-2565

11/S Street : Pinehills Drive
 E/W Street : Clark Road
 City/State : Plymouth, MA
 Weather : Clear

File Name : 207300|
Site Code : 207300|
Start Date : 10/14/2021|
Page No : 3



Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

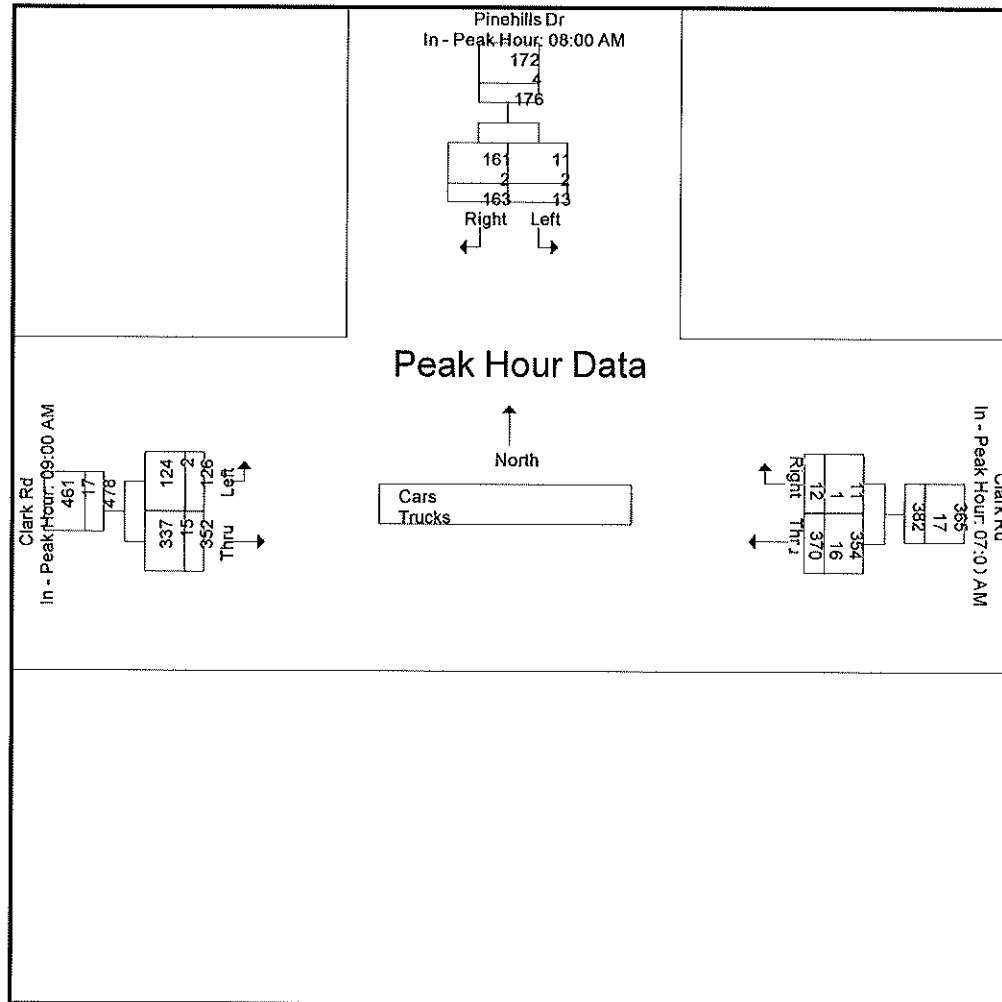
Peak Hour for Each Approach Begins at:

Peak Hour for Each Approach Begins at:									
	08:00 AM			07:00 AM			09:00 AM		
+0 mins.	1	44	45	110	0	110	33	99	132
+15 mins.	5	34	39	75	2	77	30	94	124
+30 mins.	4	43	47	83	4	87	26	87	113
+45 mins.	3	42	45	102	6	108	37	72	109
Total Volume	13	163	176	370	12	382	126	352	478
% App. Total	7.4	92.6		96.9	3.1		26.4	73.6	
PHF	.650	.926	.936	.841	.500	.868	.851	.889	.905
Cars	11	161	172	354	11	365	124	337	461
% Cars	84.6	98.8	97.7	95.7	91.7	95.5	98.4	95.7	96.4
Trucks	2	2	4	16	1	17	2	15	17
% Trucks	15.4	1.2	2.3	4.3	8.3	4.5	1.6	4.3	3.6

Accurate Counts
978-664-2565

N/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730001
Site Code : 20730001
Start Date : 10/14/2021
Page No : 4



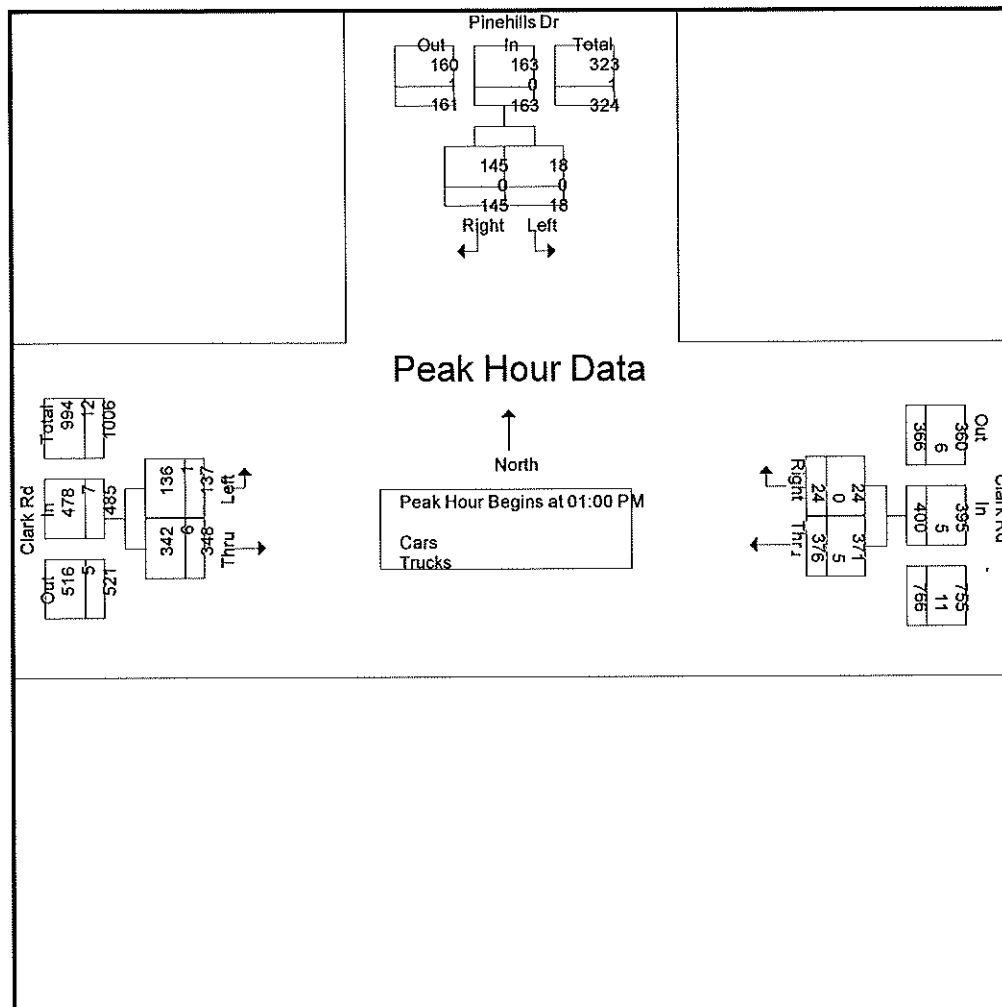
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 01:00 PM

01:00 PM	4	38	42	103	5	108	28	87	115	265
01:15 PM	5	37	42	94	4	98	34	101	135	275
01:30 PM	4	33	37	88	9	97	36	66	102	236
01:45 PM	5	37	42	91	6	97	39	94	133	272
Total Volume	18	145	163	376	24	400	137	348	485	1040
% App. Total	11	89		94	6		28.2	71.8		
PHF	.900	.954	.970	.913	.667	.926	.878	.861	.898	.953
Cars	18	145	163	371	24	395	136	342	478	1036
% Cars	100	100	100	98.7	100	98.8	99.3	98.3	98.6	98.9
Trucks	0	0	0	5	0	5	1	6	7	12
% Trucks	0	0	0	1.3	0	1.3	0.7	1.7	1.4	1.1

Accurate Counts
978-664-2565

File Name : 2073000|
Site Code : 2073000|
Start Date : 10/14/2021
Page No : 5

N/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1

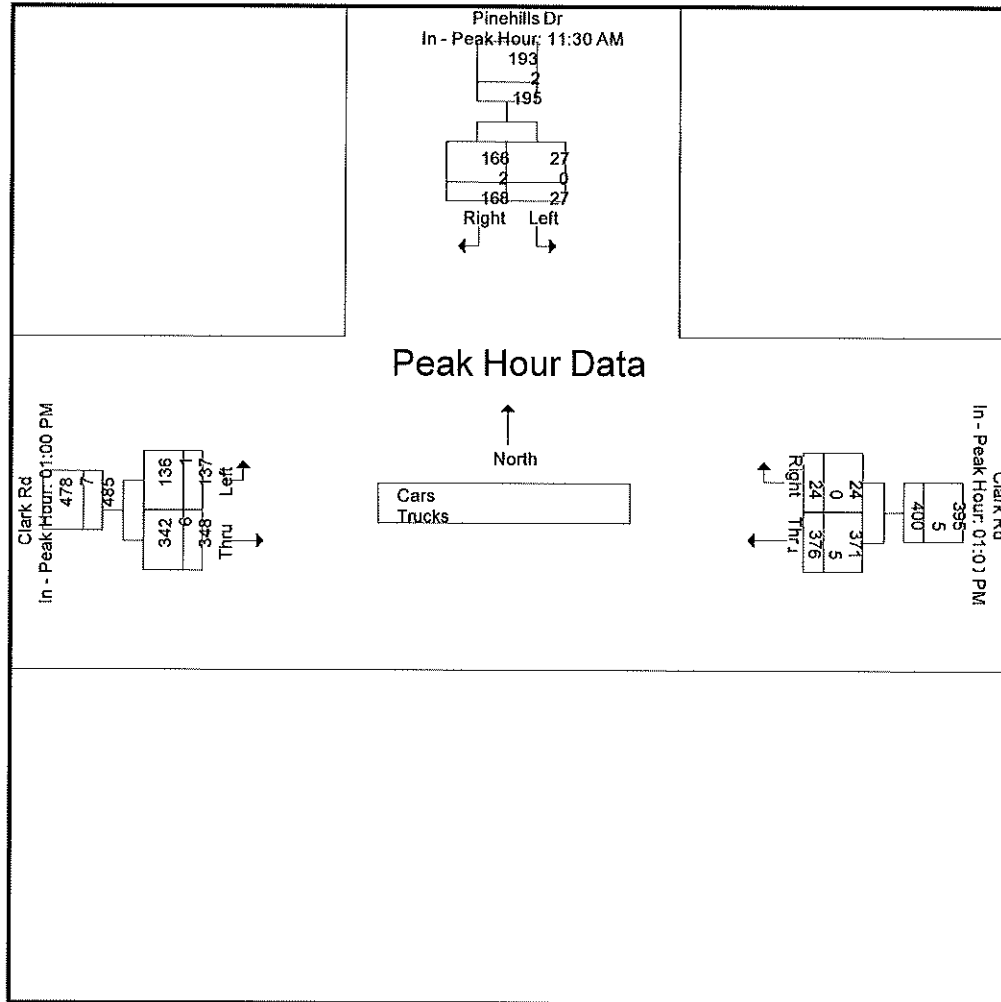
Peak Hour for Each Approach Begins at:

	11:30 AM			01:00 PM			01:00 PM		
+0 mins.	6	50	56	103	5	108	28	87	115
+15 mins.	9	37	46	94	4	98	34	101	135
+30 mins.	3	42	45	88	9	97	36	66	102
+45 mins.	9	39	48	91	6	97	39	94	133
Total Volume	27	168	195	376	24	400	137	348	485
% App. Total	13.8	86.2		94	6		28.2	71.8	
PHF	.750	.840	.871	.913	.667	.926	.878	.861	.898
Cars	27	166	193	371	24	395	136	342	478
% Cars	100	98.8	99	98.7	100	98.8	99.3	98.3	98.6
Trucks	0	2	2	5	0	5	1	6	7
% Trucks	0	1.2	1	1.3	0	1.2	0.7	1.7	1.4

Accurate Counts
978-664-2565

N/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 207300C1
Site Code : 207300C1
Start Date : 10/14/2021
Page No : 6



Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 03:45 PM

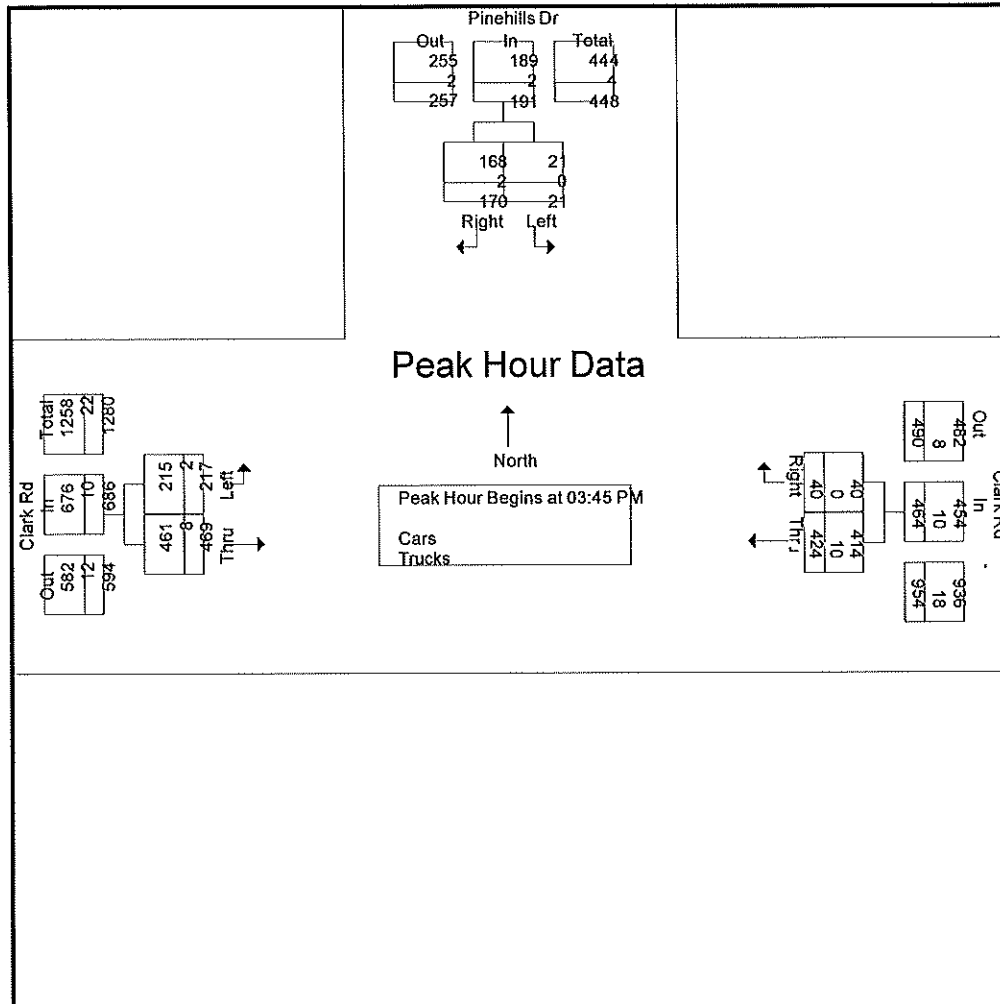
03:45 PM	5	38	43	131	7	138	56	116	172	353
04:00 PM	3	52	55	103	12	115	72	124	196	366
04:15 PM	5	42	47	82	10	92	51	110	161	300
04:30 PM	8	38	46	108	11	119	38	119	157	322
Total Volume	21	170	191	424	40	464	217	469	686	1341
% App. Total	11	89		91.4	8.6		31.6	68.4		
PHF	.656	.817	.868	.809	.833	.841	.753	.946	.875	.916
Cars	21	168	189	414	40	454	215	461	676	1319
% Cars	100	98.8	99.0	97.6	100	97.8	99.1	98.3	98.5	98.4
Trucks	0	2	2	10	0	10	2	8	10	22
% Trucks	0	1.2	1.0	2.4	0	2.2	0.9	1.7	1.5	1.6

Accurate Counts

978-664-2565

File Name : 207300D1
Site Code : 20730001
Start Date : 10/14/2021
Page No : 7

N/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



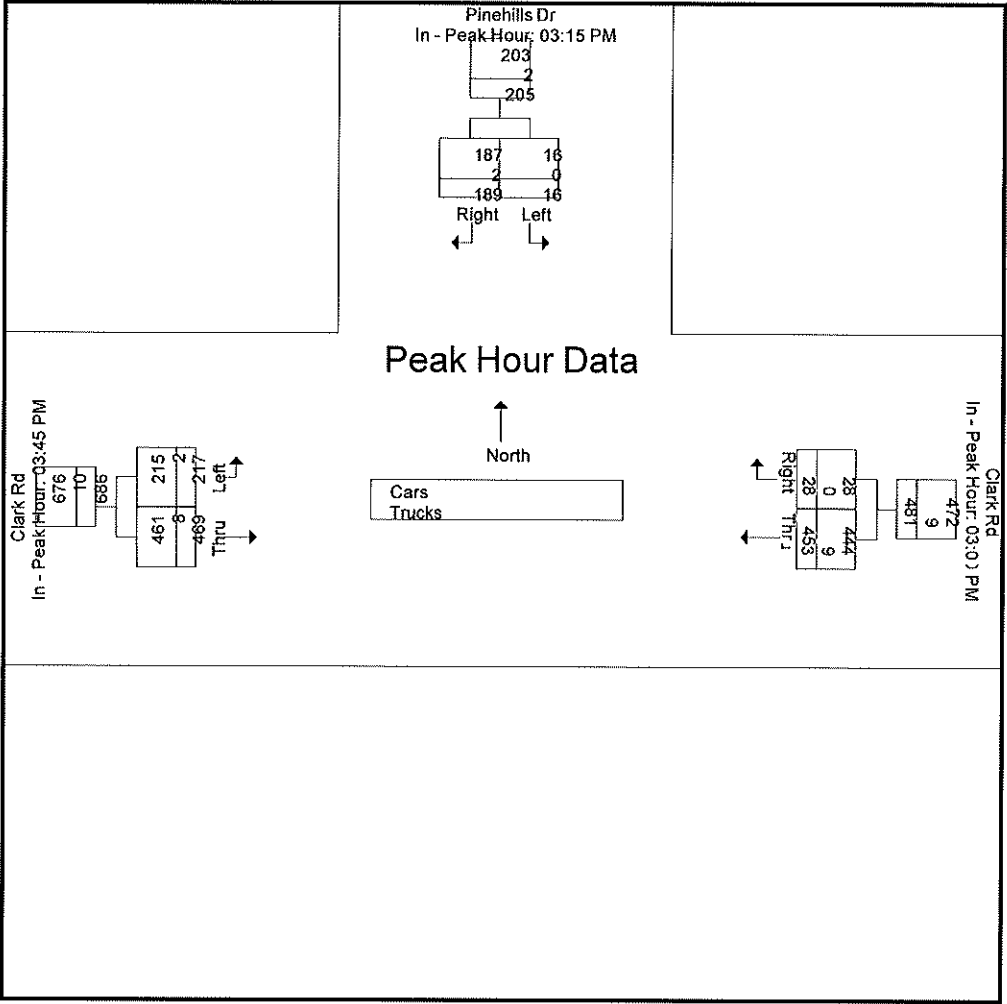
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	03:15 PM			03:00 PM			03:45 PM		
+0 mins.	3	54	57	124	5	129	56	116	172
+15 mins.	5	45	50	96	11	107	72	124	196
+30 mins.	5	38	43	102	5	107	51	110	161
+45 mins.	3	52	55	131	7	138	38	119	157
Total Volume	16	189	205	453	28	481	217	469	686
% App. Total	7.8	92.2		94.2	5.8		31.6	68.4	
PHF	.800	.875	.899	.865	.636	.871	.753	.946	.875
Cars	16	187	203	444	28	472	215	461	676
% Cars	100	98.9	99	98	100	98.1	99.1	98.3	98.5
Trucks	0	2	2	9	0	9	2	8	10
% Trucks	0	1.1	1	2	0	1.9	0.9	1.7	1.5

Accurate Counts
978-664-2565

W/S Street : Pinehills Drive
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730001
Site Code : 20730001
Start Date : 10/14/2021
Page No : 8



Accurate Counts

978-664-2565

W/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 207300D2
Site Code : 207300D2
Start Date : 10/14/2021
Page No : 1

Groups Printed- Cars - Trucks

Start Time	Meeting Way From North		Clark Rd From East		Clark Rd From West		Int. To
	Left	Right	Thru	Right	Left	Thru	
07:00 AM	1	4	107	2	6	63	183
07:15 AM	4	4	75	5	5	63	156
07:30 AM	3	8	76	4	10	43	144
07:45 AM	7	9	103	3	11	52	185
Total	15	25	361	14	32	221	608
08:00 AM	2	9	70	4	12	71	168
08:15 AM	1	5	65	2	10	69	152
08:30 AM	2	7	84	8	11	63	175
08:45 AM	3	14	84	3	11	82	197
Total	8	35	303	17	44	285	612
09:00 AM	5	9	77	3	13	86	193
09:15 AM	3	13	75	2	17	78	188
09:30 AM	6	10	76	6	20	75	193
09:45 AM	4	12	70	11	9	67	173
Total	18	44	298	22	59	306	747
10:00 AM	5	19	86	5	13	72	200
10:15 AM	4	13	88	1	16	48	170
10:30 AM	8	15	73	3	10	71	180
10:45 AM	5	16	76	4	22	78	201
Total	22	63	323	13	61	269	751
11:00 AM	7	11	81	5	8	67	179
11:15 AM	6	15	79	5	9	67	181
11:30 AM	9	9	74	2	8	85	187
11:45 AM	10	16	86	7	16	73	208
Total	32	51	320	19	41	292	755
12:00 PM	9	12	102	10	8	71	212
12:15 PM	7	8	77	4	16	82	194
12:30 PM	6	14	70	5	8	75	178
12:45 PM	9	12	65	6	11	90	193
Total	31	46	314	25	43	318	777
01:00 PM	6	13	94	9	16	72	210
01:15 PM	8	8	92	6	20	90	224
01:30 PM	8	7	88	6	12	58	179
01:45 PM	8	11	88	12	17	84	220
Total	30	39	362	33	65	304	833
02:00 PM	11	13	72	7	13	93	209
02:15 PM	11	8	81	6	12	96	214
02:30 PM	14	11	86	6	19	91	227
02:45 PM	8	10	91	6	19	104	238
Total	44	42	330	25	63	384	809
03:00 PM	6	8	122	9	21	113	219
03:15 PM	10	10	98	5	17	103	243
03:30 PM	6	10	94	13	17	87	227
03:45 PM	16	16	123	7	17	105	284
Total	38	44	437	34	72	408	1033
04:00 PM	10	14	102	8	14	115	263
04:15 PM	11	5	93	12	13	99	233
04:30 PM	17	15	103	4	12	113	264
04:45 PM	11	16	76	6	11	101	221
Total	49	50	374	30	50	428	981
05:00 PM	15	9	90	6	11	106	237

Accurate Counts
978-664-2565

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 2

Groups Printed- Cars - Trucks

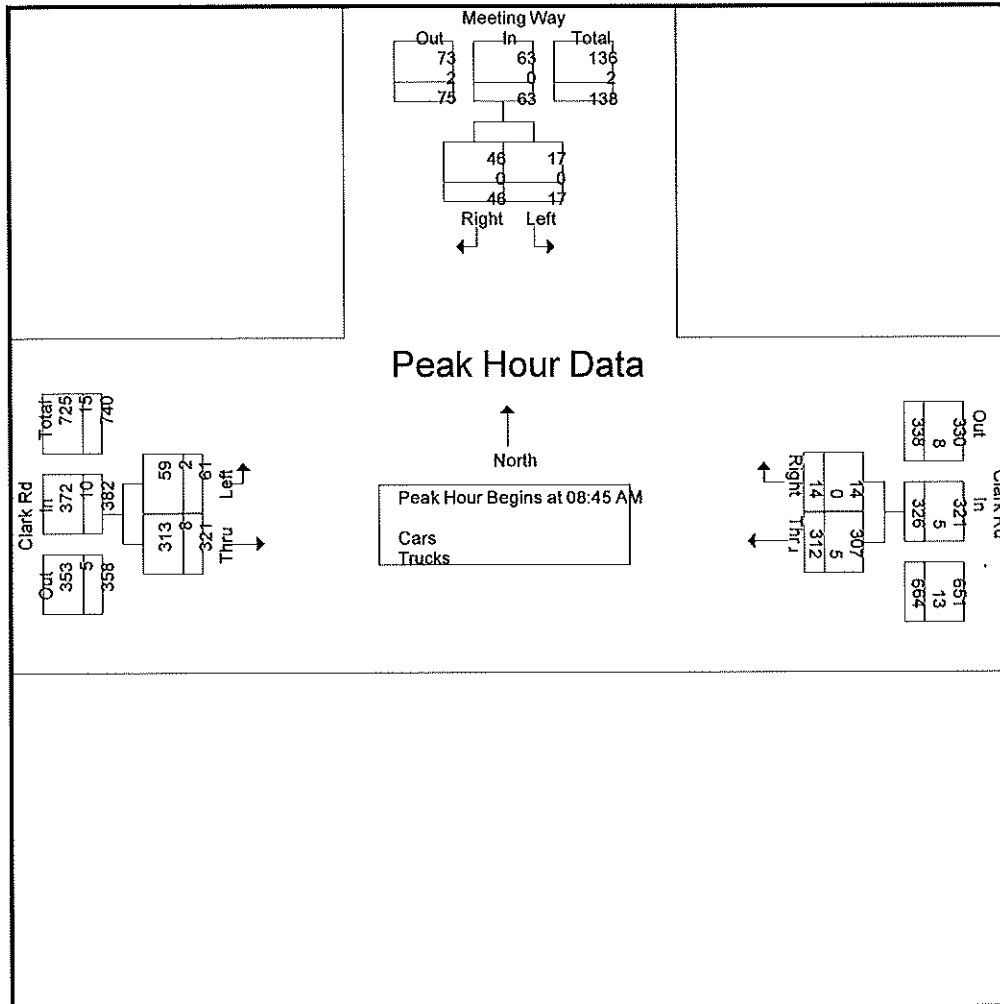
Start Time	Meeting Way From North		Clark Rd From East		Clark Rd From West		Int. Total
	Left	Right	Thru	Right	Left	Thru	
05:15 PM	11	10	68	5	10	100	204
05:30 PM	13	6	72	8	6	88	193
05:45 PM	9	8	87	4	14	82	204
Total	48	33	317	23	41	376	838
06:00 PM	12	5	80	5	7	103	212
06:15 PM	1	6	57	5	10	85	164
06:30 PM	4	6	80	5	14	64	173
06:45 PM	7	2	40	1	15	66	131
Total	24	19	257	16	46	318	680
Grand Total	359	491	3996	271	617	3909	9643
Apprch %	42.2	57.8	93.6	6.4	13.6	86.4	
Total %	3.7	5.1	41.4	2.8	6.4	40.5	
Cars	357	487	3902	269	613	3801	9429
% Cars	99.4	99.2	97.6	99.3	99.4	97.2	97.8
Trucks	2	4	94	2	4	108	214
% Trucks	0.6	0.8	2.4	0.7	0.6	2.8	2.2

	Meeting Way From North			Clark Rd From East			Clark Rd From West			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 08:45 AM										
08:45 AM	3	14	17	84	3	87	11	82	93	197
09:00 AM	5	9	14	77	3	80	13	86	99	193
09:15 AM	3	13	16	75	2	77	17	78	95	190
09:30 AM	6	10	16	76	6	82	20	75	95	191
Total Volume	17	46	63	312	14	326	61	321	382	771
% App. Total	27	73		95.7	4.3		16	84		
PHF	.708	.821	.926	.929	.583	.937	.763	.933	.965	.978
Cars	17	46	63	307	14	321	59	313	372	750
% Cars	100	100	100	98.4	100	98.5	96.7	97.5	97.4	98.1
Trucks	0	0	0	5	0	5	2	8	10	15
% Trucks	0	0	0	1.6	0	1.5	3.3	2.5	2.6	1.9

Accurate Counts
978-664-2565

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 3

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

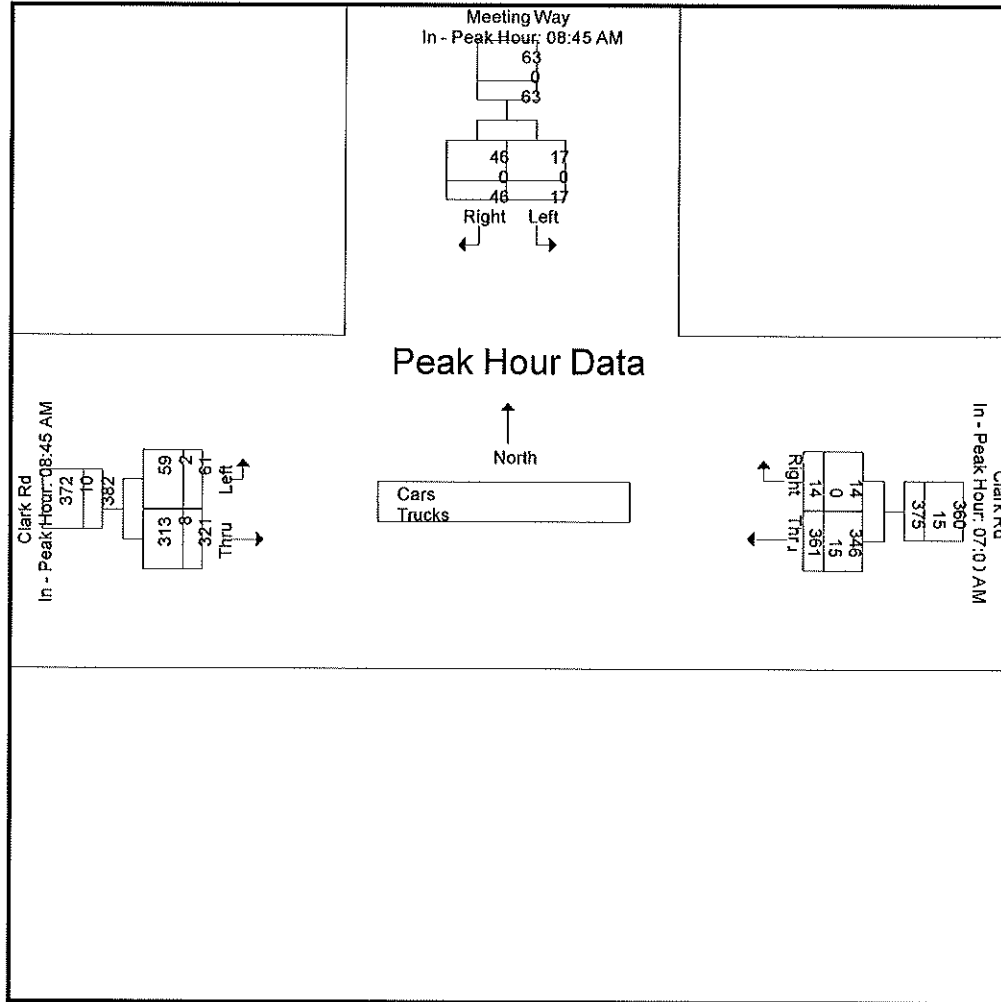
Peak Hour for Each Approach Begins at:

	08:45 AM			07:00 AM			08:45 AM		
+0 mins.	3	14	17	107	2	109	11	82	93
+15 mins.	5	9	14	75	5	80	13	86	99
+30 mins.	3	13	16	76	4	80	17	78	95
+45 mins.	6	10	16	103	3	106	20	75	95
Total Volume	17	46	63	361	14	375	61	321	382
% App. Total	27	73		96.3	3.7		16	84	
PHF	.708	.821	.926	.843	.700	.860	.763	.933	.965
Cars	17	46	63	346	14	360	59	313	372
% Cars	100	100	100	95.8	100	96	96.7	97.5	97.4
Trucks	0	0	0	15	0	15	2	8	10
% Trucks	0	0	0	4.2	0	4	3.3	2.5	2.6

Accurate Counts
978-664-2565

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 4



Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1

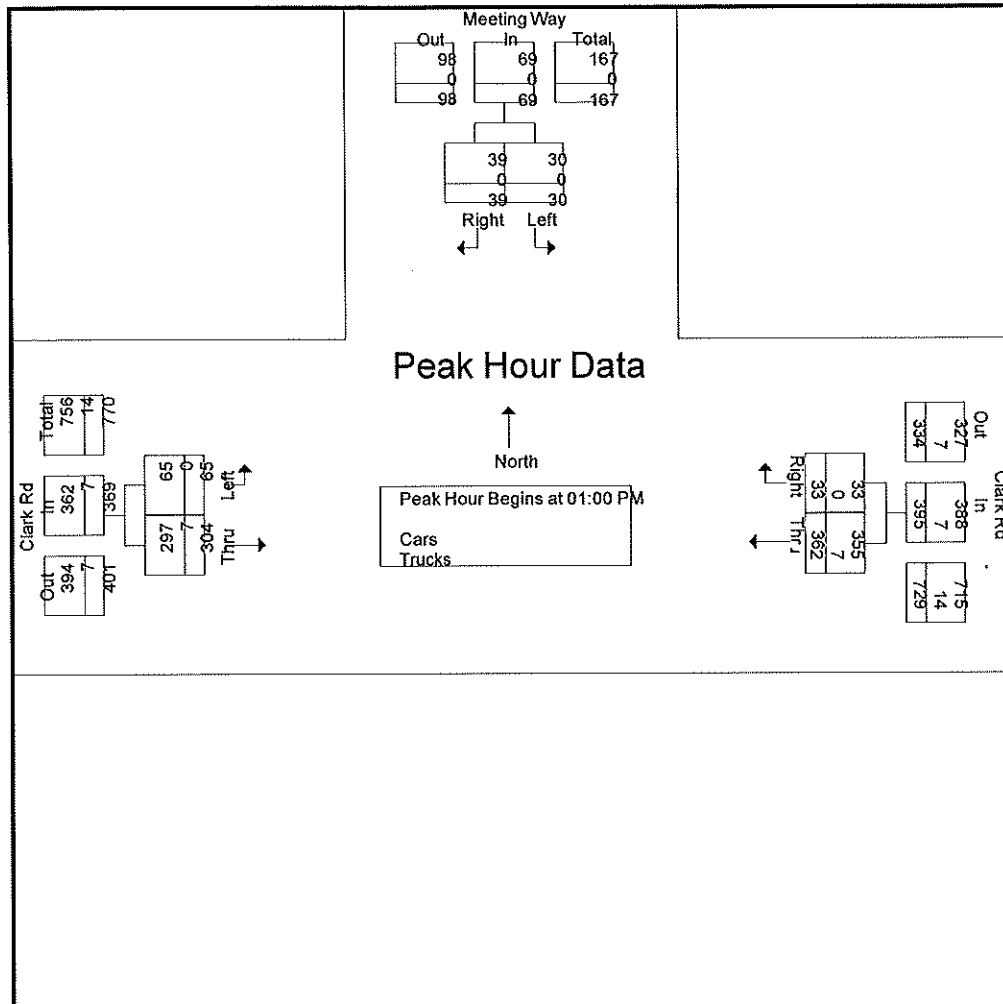
Peak Hour for Entire Intersection Begins at 01:00 PM

01:00 PM	6	13	19	94	9	103	16	72	88	270
01:15 PM	8	8	16	92	6	98	20	90	110	224
01:30 PM	8	7	15	88	6	94	12	58	70	179
01:45 PM	8	11	19	88	12	100	17	84	101	220
Total Volume	30	39	69	362	33	395	65	304	369	833
% App. Total	43.5	56.5		91.6	8.4		17.6	82.4		
PHF	.938	.750	.908	.963	.688	.959	.813	.844	.839	.930
Cars	30	39	69	355	33	388	65	297	362	819
% Cars	100	100	100	98.1	100	98.2	100	97.7	98.1	98.3
Trucks	0	0	0	7	0	7	0	7	7	14
% Trucks	0	0	0	1.9	0	1.8	0	2.3	1.9	1.7

Accurate Counts
978-664-2565

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 5

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



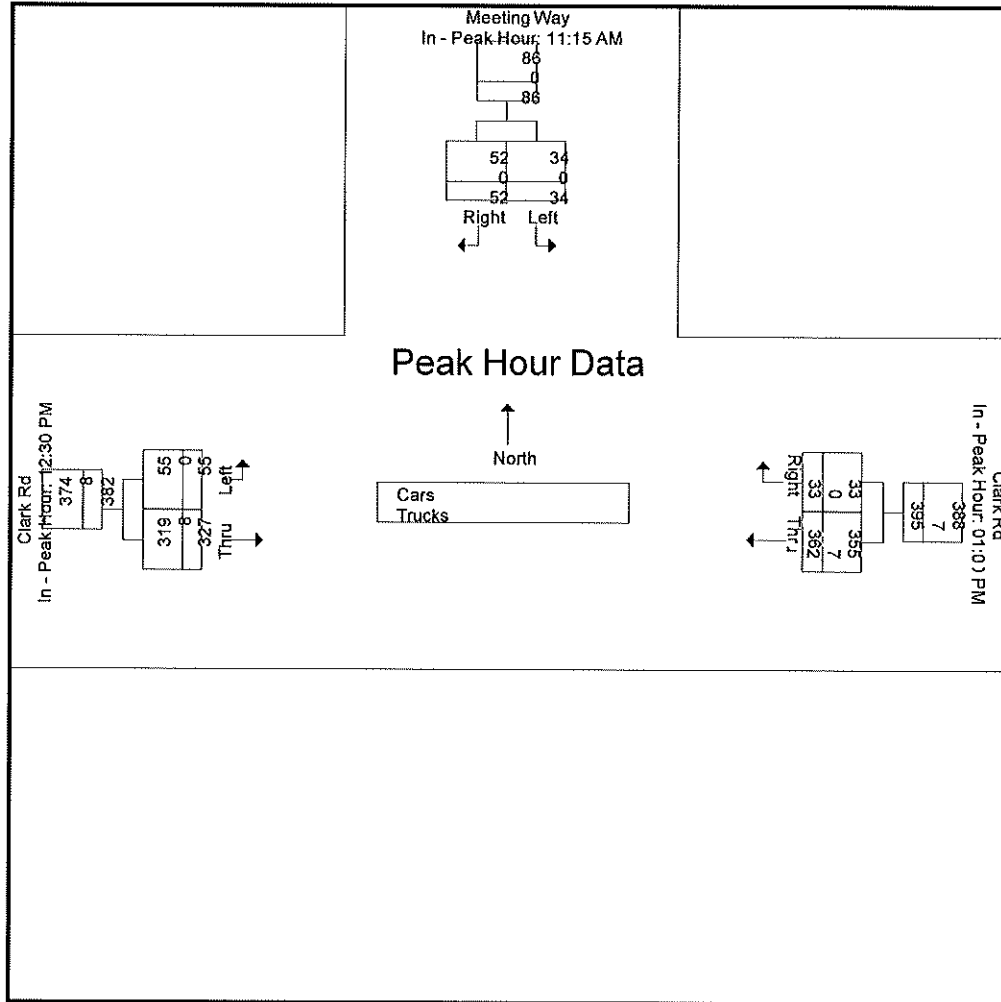
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:15 AM			01:00 PM			12:30 PM		
+0 mins.	6	15	21	94	9	103	8	75	83
+15 mins.	9	9	18	92	6	98	11	90	101
+30 mins.	10	16	26	88	6	94	16	72	88
+45 mins.	9	12	21	88	12	100	20	90	110
Total Volume	34	52	86	362	33	395	55	327	382
% App. Total	39.5	60.5		91.6	8.4		14.4	85.6	
PHF	.850	.813	.827	.963	.688	.959	.688	.908	.868
Cars	34	52	86	355	33	388	55	319	374
% Cars	100	100	100	98.1	100	98.2	100	97.6	97.9
Trucks	0	0	0	7	0	7	0	8	8
% Trucks	0	0	0	1.9	0	1.8	0	2.4	2.1

Accurate Counts
978-664-2565

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 2073000L
Site Code : 2073000L
Start Date : 10/14/2021
Page No : 6



Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 03:45 PM

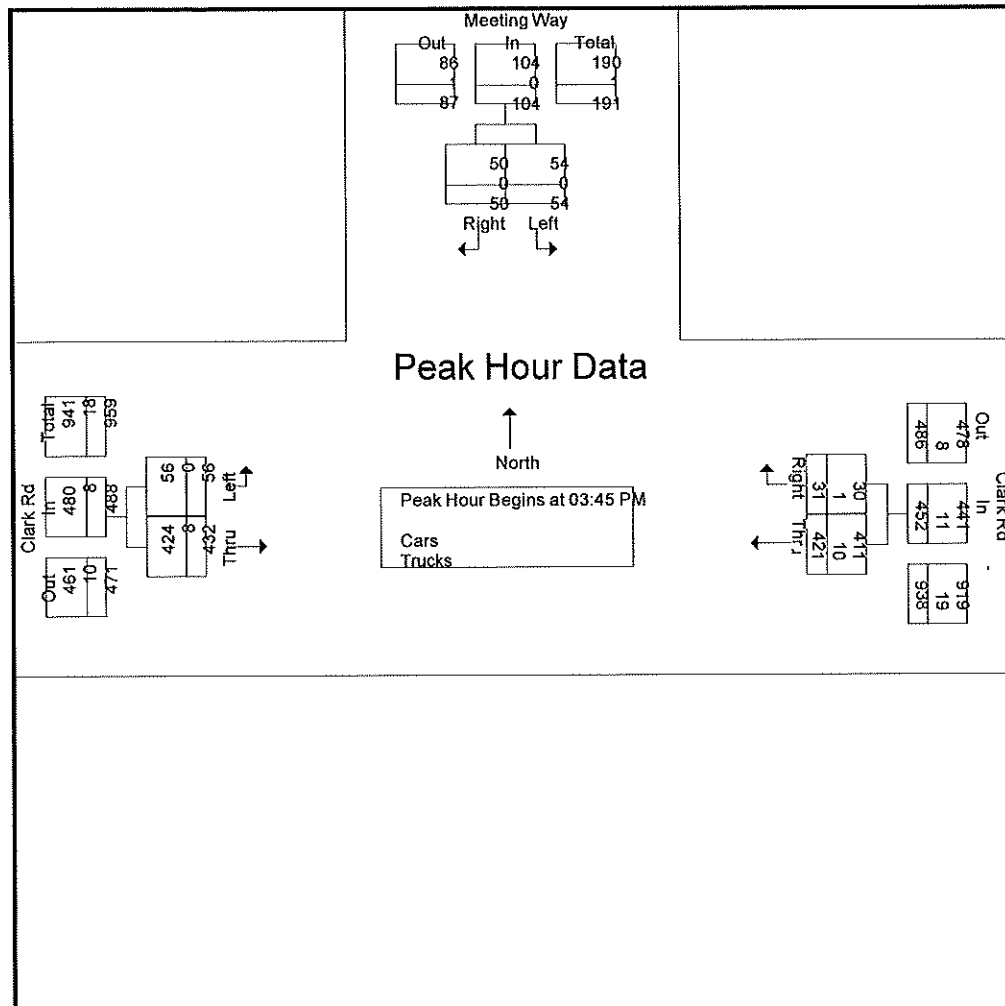
03:45 PM	16	16	32	123	7	130	17	105	122	284
04:00 PM	10	14	24	102	8	110	14	115	129	263
04:15 PM	11	5	16	93	12	105	13	99	112	233
04:30 PM	17	15	32	103	4	107	12	113	125	264
Total Volume	54	50	104	421	31	452	56	432	488	1044
% App. Total	51.9	48.1		93.1	6.9		11.5	88.5		
PHF	.794	.781	.813	.856	.646	.869	.824	.939	.946	.919
Cars	54	50	104	411	30	441	56	424	480	1025
% Cars	100	100	100	97.6	96.8	97.6	100	98.1	98.4	98.2
Trucks	0	0	0	10	1	11	0	8	8	19
% Trucks	0	0	0	2.4	3.2	2.4	0	1.9	1.6	1.8

Accurate Counts

978-664-2565

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 7

N/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



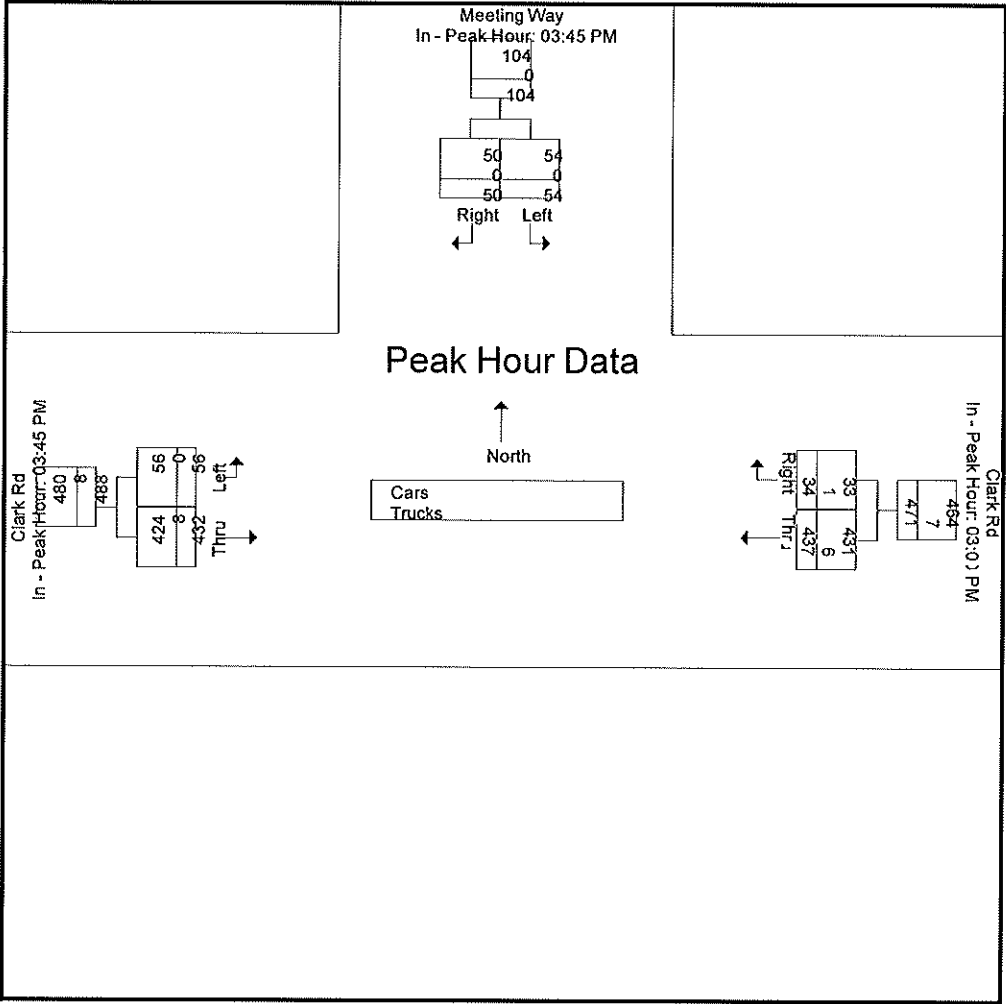
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:45 PM			03:00 PM			03:45 PM		
+0 mins.	16	16	32	122	9	131	17	105	122
+15 mins.	10	14	24	98	5	103	14	115	129
+30 mins.	11	5	16	94	13	107	13	99	112
+45 mins.	17	15	32	123	7	130	12	113	125
Total Volume	54	50	104	437	34	471	56	432	488
% App. Total	51.9	48.1		92.8	7.2		11.5	88.5	
PHF	.794	.781	.813	.888	.654	.899	.824	.939	.946
Cars	54	50	104	431	33	464	56	424	480
% Cars	100	100	100	98.6	97.1	98.5	100	98.1	98.4
Trucks	0	0	0	6	1	7	0	8	8
% Trucks	0	0	0	1.4	2.9	1.5	0	1.9	1.6

W/S Street : Meeting Way
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730002
Site Code : 20730002
Start Date : 10/14/2021
Page No : 8



Accurate Counts

978-664-2565

File Name : 20730003

Site Code : 20730003

Start Date : 10/14/2021

Page No : 1

N/S Street : Landmark Dr / Mainstone Blvd

E/W Street : Clark Road

City/State : Plymouth, MA

Weather : Clear

Groups Printed- Cars - Trucks

Start Time	Landmark Dr From North			Clark Rd From East			Mainstone Blvd From South			Clark Rd From West			Int. Tot
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
07:00 AM	3	0	6	0	96	4	7	1	0	17	44	3	181
07:15 AM	2	0	6	0	66	4	7	1	0	10	55	2	153
07:30 AM	2	0	8	1	70	6	5	2	0	4	42	1	141
07:45 AM	3	0	3	0	93	8	7	3	0	11	44	1	173
Total	10	0	23	1	325	22	26	7	0	42	185	7	648
08:00 AM	3	1	5	0	65	1	5	1	0	16	59	1	157
08:15 AM	2	0	5	0	60	3	2	0	0	13	54	2	141
08:30 AM	3	0	8	0	78	7	10	2	0	14	50	1	173
08:45 AM	3	1	10	1	70	18	3	4	0	18	63	1	192
Total	11	2	28	1	273	29	20	7	0	61	226	5	663
09:00 AM	4	2	4	0	68	14	7	2	2	18	71	7	199
09:15 AM	2	3	4	2	68	9	6	1	1	10	69	2	177
09:30 AM	3	1	11	0	63	11	6	2	2	13	64	3	179
09:45 AM	3	2	6	1	69	12	7	1	1	16	51	4	173
Total	12	8	25	3	268	46	26	6	6	57	255	16	728
10:00 AM	7	1	19	1	66	13	6	2	1	17	59	4	196
10:15 AM	9	4	14	1	72	11	2	0	2	11	40	2	168
10:30 AM	7	1	10	0	61	5	7	4	2	14	62	5	178
10:45 AM	7	0	12	2	64	12	3	1	2	17	62	2	184
Total	30	6	55	4	263	41	18	7	7	59	223	13	726
11:00 AM	4	3	14	2	71	7	2	2	1	19	54	3	182
11:15 AM	5	3	15	1	63	7	6	1	0	20	50	3	174
11:30 AM	8	1	8	1	61	10	9	2	2	15	76	5	198
11:45 AM	10	1	14	2	70	11	7	3	3	13	64	7	205
Total	27	8	51	6	265	35	24	8	6	67	244	18	759
12:00 PM	6	2	23	4	83	9	7	2	3	11	61	8	249
12:15 PM	10	1	11	1	67	4	4	3	5	9	73	6	194
12:30 PM	5	0	12	0	59	6	5	1	0	12	63	3	166
12:45 PM	11	2	10	3	58	12	5	0	2	15	74	10	202
Total	32	5	56	8	267	31	21	6	10	47	271	27	781
01:00 PM	10	2	22	2	72	14	12	0	3	16	60	5	218
01:15 PM	6	1	21	1	74	15	0	2	5	17	77	4	223
01:30 PM	13	3	17	2	73	6	4	1	1	13	52	3	188
01:45 PM	7	1	16	4	75	14	7	0	4	12	73	5	218
Total	36	7	76	9	294	49	23	3	13	58	262	17	847
02:00 PM	12	1	17	2	60	11	4	2	1	10	79	10	209
02:15 PM	6	2	7	6	74	6	3	5	2	16	90	7	224
02:30 PM	6	1	10	1	79	7	5	2	1	13	82	7	214
02:45 PM	5	1	21	5	72	9	2	5	1	24	83	7	235
Total	29	5	55	14	285	33	14	14	5	63	334	31	882
03:00 PM	7	5	34	1	96	13	3	4	1	13	92	7	276
03:15 PM	6	5	22	2	77	11	4	3	9	17	86	11	253
03:30 PM	8	4	17	0	84	8	5	4	1	15	69	8	223
03:45 PM	4	2	24	6	97	12	10	5	2	15	98	6	281
Total	25	16	97	9	354	44	22	16	13	60	345	32	1033
04:00 PM	10	3	19	1	90	8	2	2	3	19	102	4	263
04:15 PM	10	2	15	1	89	7	1	0	2	17	84	10	238
04:30 PM	8	1	26	0	82	5	4	5	3	13	109	8	264
04:45 PM	9	2	12	0	66	9	4	1	1	12	94	8	218
Total	37	8	72	2	327	29	11	8	9	61	389	30	983
05:00 PM	9	4	21	6	72	7	2	0	1	23	93	6	244

Accurate Counts
978-664-2565

N/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 2

Groups Printed- Cars - Trucks

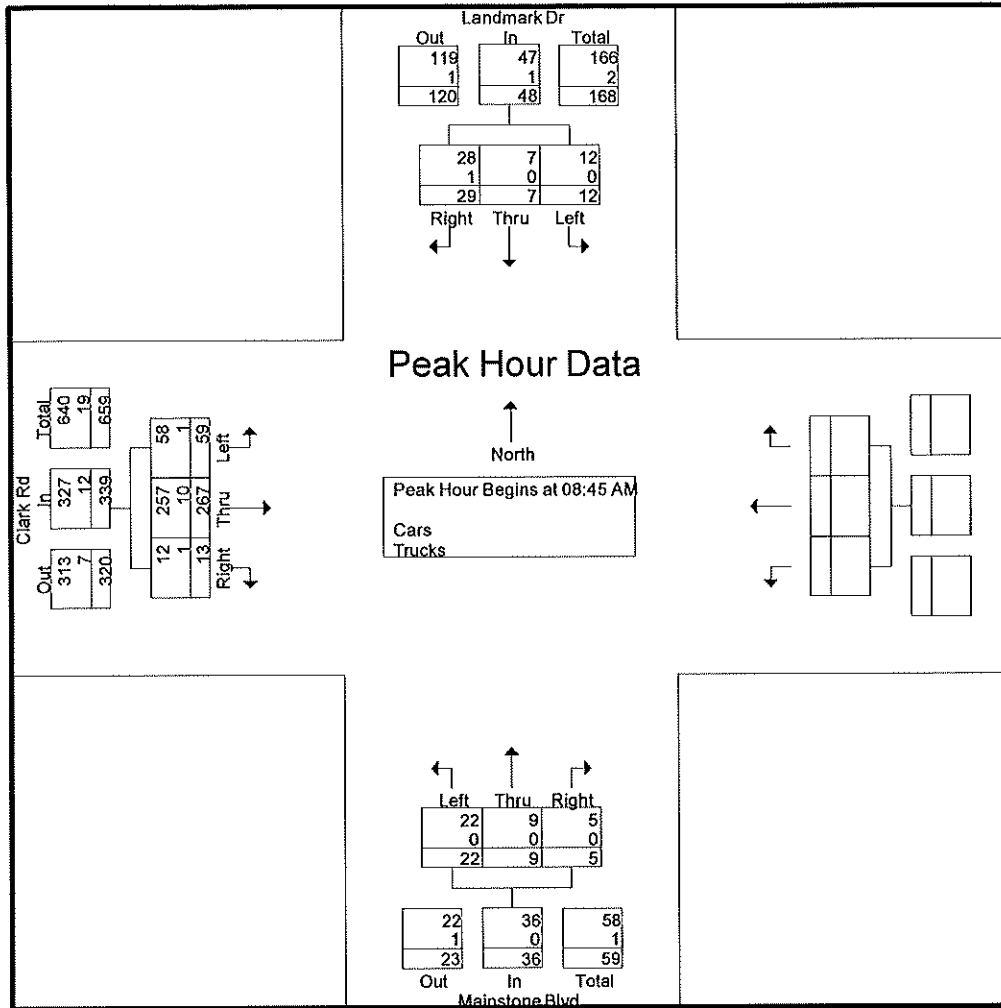
	Landmark Dr From North			Clark Rd From East			Mainstone Blvd From South			Clark Rd From West			Int. Tot
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
05:15 PM	4	2	11	1	62	10	2	1	2	25	84	6	210
05:30 PM	8	4	15	0	60	7	4	1	2	13	82	3	199
05:45 PM	7	4	11	4	77	8	1	2	1	7	76	5	203
Total	28	14	58	11	271	32	9	4	6	68	335	20	856
06:00 PM	5	1	12	0	68	4	3	2	0	11	104	1	211
06:15 PM	8	1	7	1	52	6	3	1	1	16	69	2	161
06:30 PM	5	2	27	0	57	10	4	1	3	13	49	7	178
06:45 PM	9	1	8	0	28	2	4	2	0	5	62	6	127
Total	27	5	54	1	205	22	14	6	4	45	284	16	683
Grand Total	304	84	650	69	3397	413	228	92	79	688	3353	232	9589
Apprch %	29.3	8.1	62.6	1.8	87.6	10.6	57.1	23.1	19.8	16.1	78.5	5.4	
Total %	3.2	0.9	6.8	0.7	35.4	4.3	2.4	1	0.8	7.2	35	2.4	
Cars	300	84	635	69	3318	411	225	92	79	673	3258	229	9373
% Cars	98.7	100	97.7	100	97.7	99.5	98.7	100	100	97.8	97.2	98.7	97.7
Trucks	4	0	15	0	79	2	3	0	0	15	95	3	216
% Trucks	1.3	0	2.3	0	2.3	0.5	1.3	0	0	2.2	2.8	1.3	2.3

	Landmark Dr From North				Clark Rd From East				Mainstone Blvd From South				Clark Rd From West				Int. Tot
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:45 AM																	
08:45 AM	3	1	10	14	1	70	18	89	3	4	0	7	18	63	1	82	192
09:00 AM	4	2	4	10	0	68	14	82	7	2	2	11	18	71	7	96	199
09:15 AM	2	3	4	9	2	68	9	79	6	1	1	8	10	69	2	81	177
09:30 AM	3	1	11	15	0	63	11	74	6	2	2	10	13	64	3	80	179
Total Volume	12	7	29	48	3	269	52	324	22	9	5	36	59	267	13	339	747
% App. Total	25	14.6	60.4		0.9	83	16		61.1	25	13.9		17.4	78.8	3.8		
PHF	.750	.583	.659	.800	.375	.961	.722	.910	.786	.563	.625	.818	.819	.940	.464	.883	.938
Cars	12	7	28	47	3	263	52	318	22	9	5	36	58	257	12	327	728
% Cars	100	100	96.6	97.9	100	97.8	100	98.1	100	100	100	100	98.3	96.3	92.3	96.5	97.5
Trucks	0	0	1	1	0	6	0	6	0	0	0	0	1	10	1	12	19
% Trucks	0	0	3.4	2.1	0	2.2	0	1.9	0	0	0	0	1.7	3.7	7.7	3.5	2.5

Accurate Counts
978-664-2565

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 3

W/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

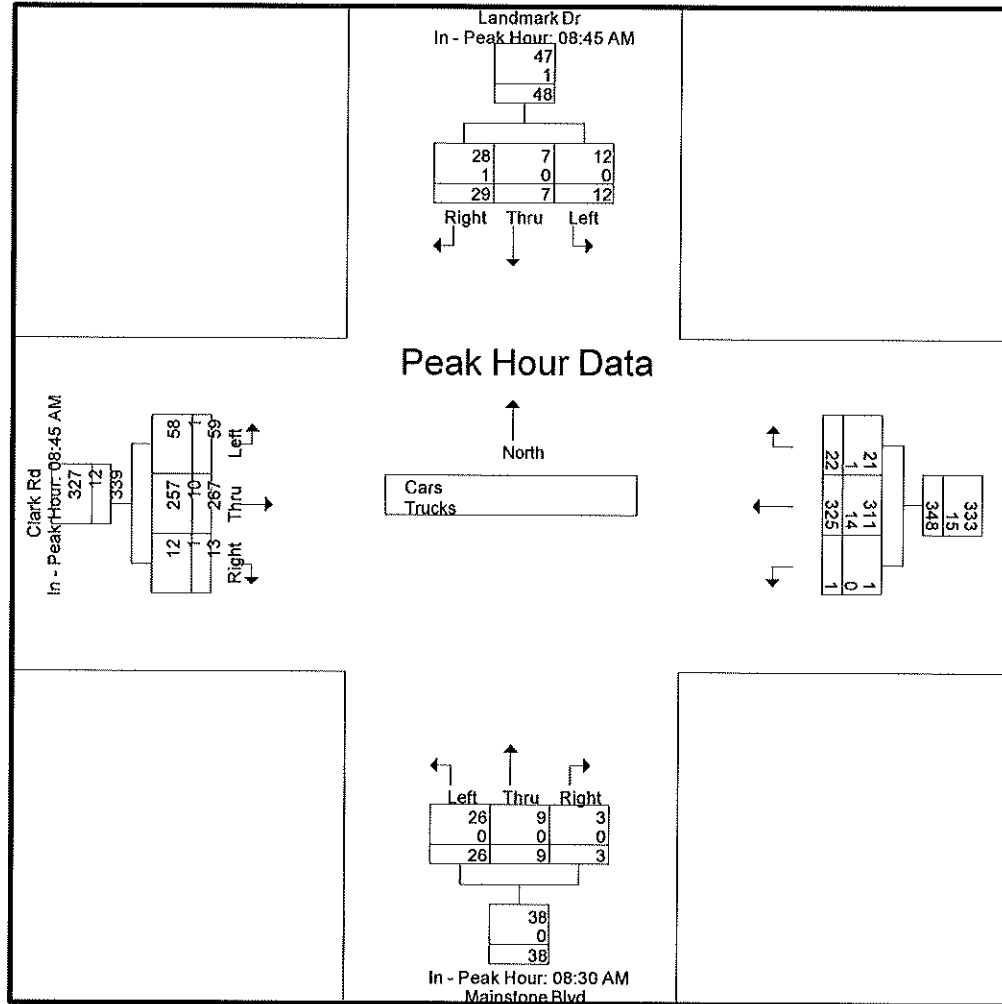
Peak Hour for Each Approach Begins at:

	08:45 AM				07:00 AM				08:30 AM				08:45 AM			
+0 mins.	3	1	10	14	0	96	4	100	10	2	0	12	18	63	1	82
+15 mins.	4	2	4	10	0	66	4	70	3	4	0	7	18	71	7	96
+30 mins.	2	3	4	9	1	70	6	77	7	2	2	11	10	69	2	81
+45 mins.	3	1	11	15	0	93	8	101	6	1	1	8	13	64	3	80
Total Volume	12	7	29	48	1	325	22	348	26	9	3	38	59	267	13	339
% App. Total	25	14.6	60.4		0.3	93.4	6.3		68.4	23.7	7.9		17.4	78.8	3.8	
PHF	.750	.583	.659	.800	.250	.846	.688	.861	.650	.563	.375	.792	.819	.940	.464	.883
Cars	12	7	28	47	1	311	21	333	26	9	3	38	58	257	12	327
% Cars	100	100	96.6	97.9	100	95.7	95.5	95.7	100	100	100	100	98.3	96.3	92.3	96.5
Trucks	0	0	1	1	0	14	1	15	0	0	0	0	1	10	1	12
% Trucks	0	0	3.4	2.1	0	4.3	4.5	4.3	0	0	0	0	1.7	3.7	7.7	3.5

Accurate Counts
978-664-2565

N/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 4



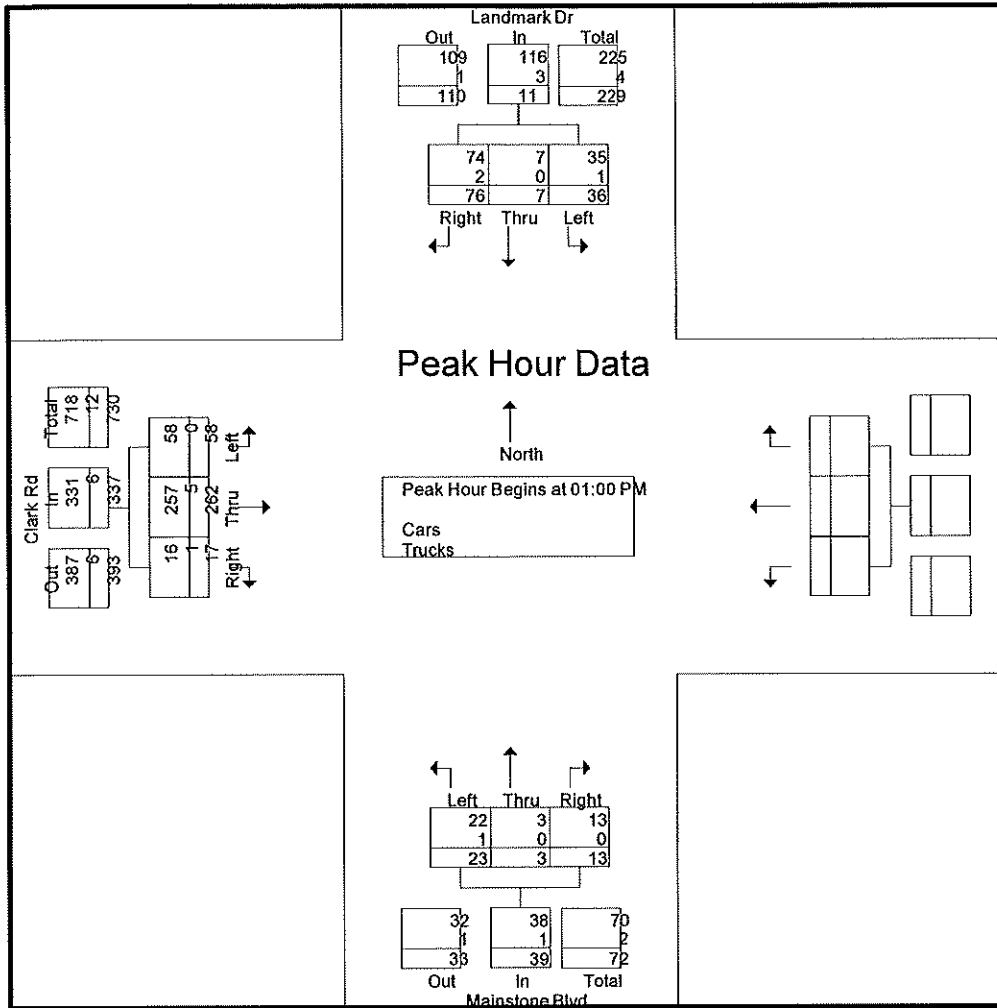
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 01:00 PM

01:00 PM	10	2	22	34	2	72	14	88	12	0	3	15	16	60	5	81	218
01:15 PM	6	1	21	28	1	74	15	90	0	2	5	7	17	77	4	98	223
01:30 PM	13	3	17	33	2	73	6	81	4	1	1	6	13	52	3	68	188
01:45 PM	7	1	16	24	4	75	14	93	7	0	4	11	12	73	5	90	218
Total Volume	36	7	76	119	9	294	49	352	23	3	13	39	58	262	17	337	847
% App. Total	30.3	5.9	63.9		2.6	83.5	13.9		59	7.7	33.3		17.2	77.7	5		
PHF	.692	.583	.864	.875	.563	.980	.817	.946	.479	.375	.650	.650	.853	.851	.850	.860	.950
Cars	35	7	74	116	9	291	48	348	22	3	13	38	58	257	16	331	833
% Cars	97.2	100	97.4	97.5	100	99.0	98.0	98.9	95.7	100	100	97.4	100	98.1	94.1	98.2	98.3
Trucks	1	0	2	3	0	3	1	4	1	0	0	1	0	5	1	6	14
% Trucks	2.8	0	2.6	2.5	0	1.0	2.0	1.1	4.3	0	0	2.6	0	1.9	5.9	1.8	1.7

Accurate Counts
978-664-2565

N/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2024
Page No : 5



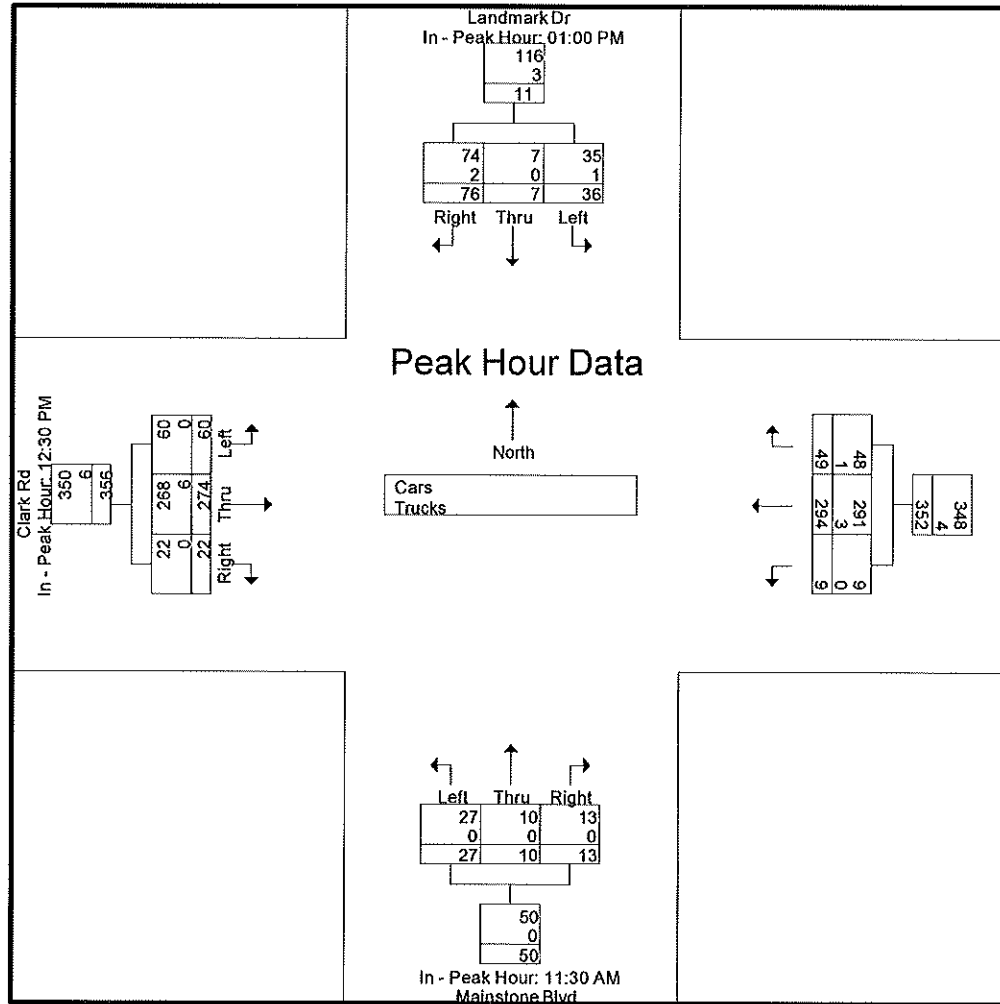
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	01:00 PM				01:00 PM				11:30 AM				12:30 PM			
+0 mins.	10	2	22	34	2	72	14	88	9	2	2	13	12	63	3	78
+15 mins.	6	1	21	28	1	74	15	90	7	3	3	13	15	74	10	99
+30 mins.	13	3	17	33	2	73	6	81	7	2	3	12	16	60	5	81
+45 mins.	7	1	16	24	4	75	14	93	4	3	5	12	17	77	4	98
Total Volume	36	7	76	119	9	294	49	352	27	10	13	50	60	274	22	356
% App. Total	30.3	5.9	63.9		2.6	83.5	13.9		54	20	26		16.9	77	6.2	
PHF	.692	.583	.864	.875	.563	.980	.817	.946	.750	.833	.650	.962	.882	.890	.550	.899
Cars	35	7	74	116	9	291	48	348	27	10	13	50	60	268	22	350
% Cars	97.2	100	97.4	97.5	100	99	98	98.9	100	100	100	100	100	97.8	100	98.3
Trucks	1	0	2	3	0	3	1	4	0	0	0	0	0	6	0	6
% Trucks	2.8	0	2.6	2.5	0	1	2	1.1	0	0	0	0	0	2.2	0	1.7

Accurate Counts
978-664-2565

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 6

W/S Street : Landmark Dr / Mainstone Blvd
City/State : Plymouth, MA
Weather : Clear



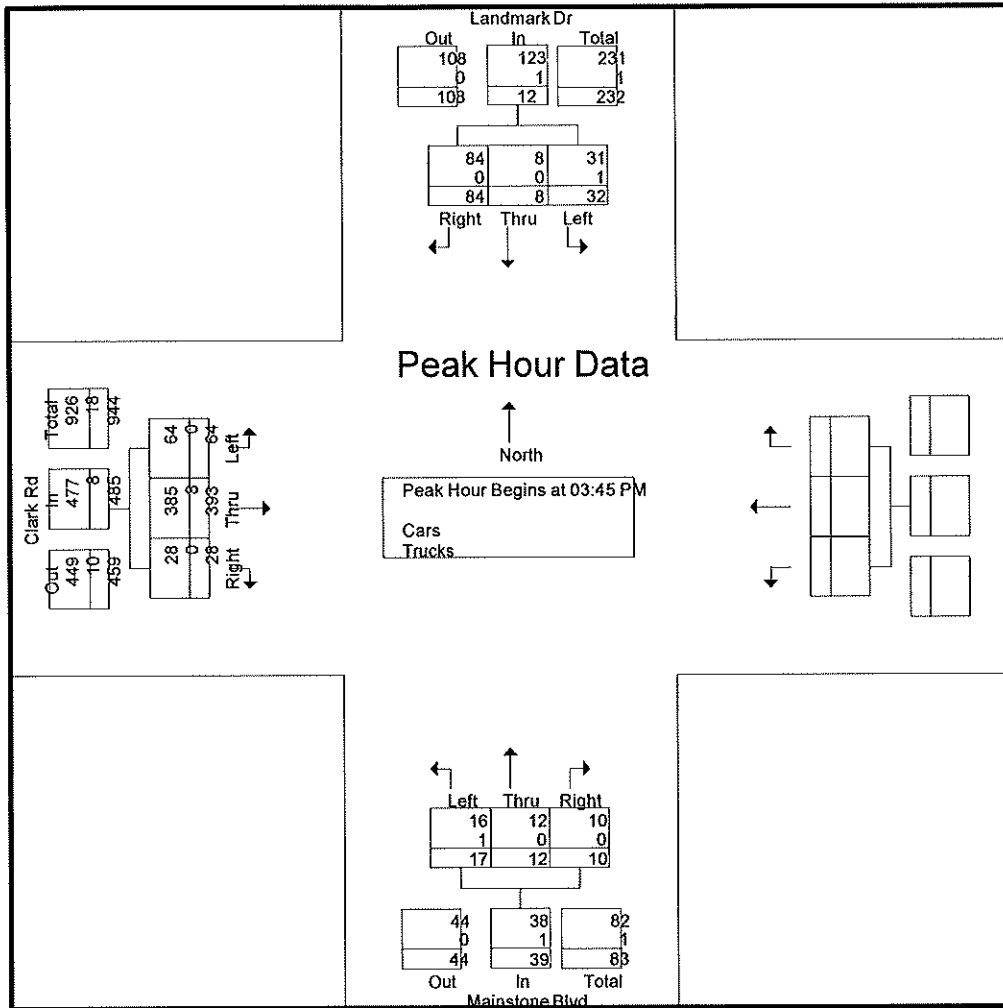
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 03:45 PM

03:45 PM	4	2	24	30	6	97	12	115	10	5	2	17	15	98	6	119	281
04:00 PM	10	3	19	32	1	90	8	99	2	2	3	7	19	102	4	125	263
04:15 PM	10	2	15	27	1	89	7	97	1	0	2	3	17	84	10	111	238
04:30 PM	8	1	26	35	0	82	5	87	4	5	3	12	13	109	8	130	264
Total Volume	32	8	84	124	8	358	32	398	17	12	10	39	64	393	28	485	1046
% App. Total	25.8	6.5	67.7		2	89.9	8		43.6	30.8	25.6		13.2	81	5.8		
PHF	.800	.667	.808	.886	.333	.923	.667	.865	.425	.600	.833	.574	.842	.901	.700	.933	.931
Cars	31	8	84	123	8	349	32	389	16	12	10	38	64	385	28	477	1027
% Cars	96.9	100	100	99.2	100	97.5	100	97.7	94.1	100	100	97.4	100	98.0	100	98.4	98.2
Trucks	1	0	0	1	0	9	0	9	1	0	0	1	0	8	0	8	19
% Trucks	3.1	0	0	0.8	0	2.5	0	2.3	5.9	0	0	2.6	0	2.0	0	1.6	1.8

Accurate Counts
978-664-2565

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 7

N/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

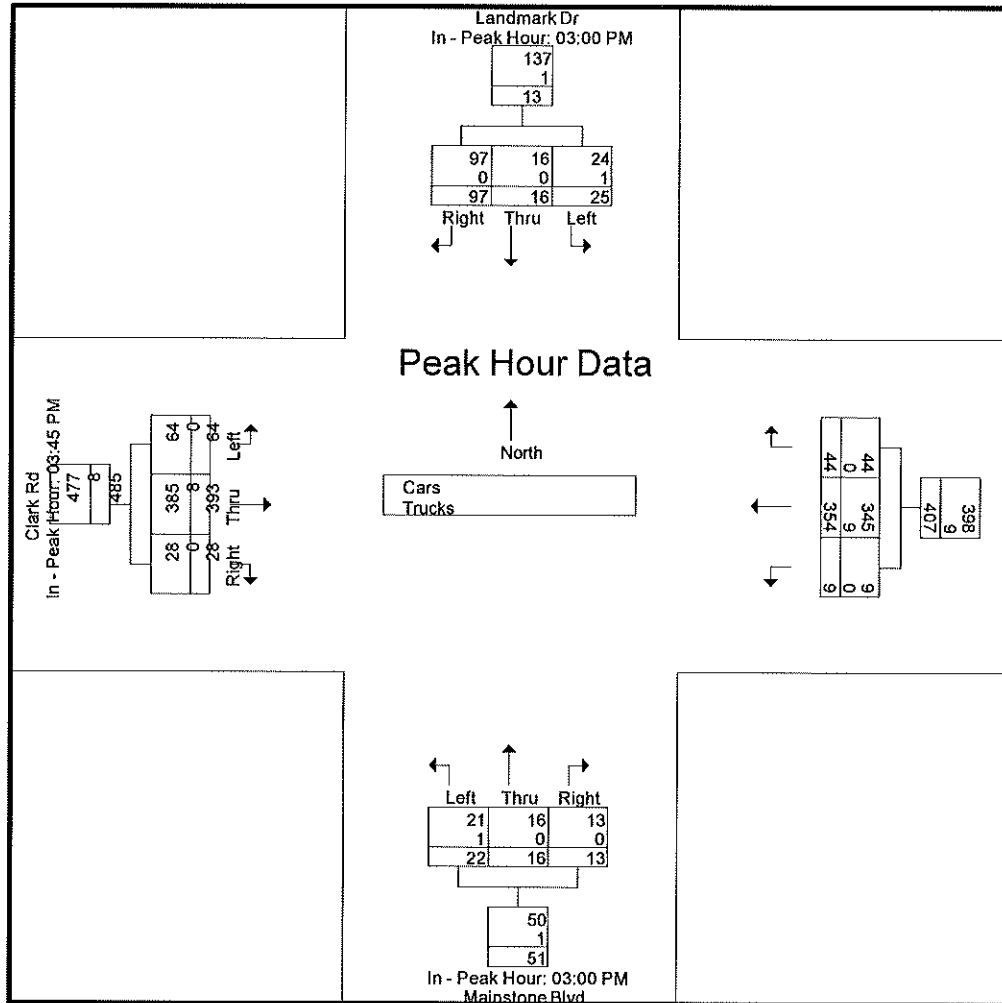
Peak Hour for Each Approach Begins at:

	03:00 PM				03:00 PM				03:00 PM				03:45 PM			
+0 mins.	7	5	34	46	1	96	13	110	3	4	1	8	15	98	6	119
+15 mins.	6	5	22	33	2	77	11	90	4	3	9	16	19	102	4	125
+30 mins.	8	4	17	29	0	84	8	92	5	4	1	10	17	84	10	111
+45 mins.	4	2	24	30	6	97	12	115	10	5	2	17	13	109	8	130
Total Volume	25	16	97	138	9	354	44	407	22	16	13	51	64	393	28	485
% App. Total	18.1	11.6	70.3		2.2	87	10.8		43.1	31.4	25.5		13.2	81	5.8	
PHF	.781	.800	.713	.750	.375	.912	.846	.885	.550	.800	.361	.750	.842	.901	.700	.933
Cars	24	16	97	137	9	345	44	398	21	16	13	50	64	385	28	477
% Cars	96	100	100	99.3	100	97.5	100	97.8	95.5	100	100	98	100	98	100	98.4
Trucks	1	0	0	1	0	9	0	9	1	0	0	1	0	8	0	8
% Trucks	4	0	0	0.7	0	2.5	0	2.2	4.5	0	0	2	0	2	0	1.6

Accurate Counts
978-664-2565

N/S Street : Landmark Dr / Mainstone Blvd
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730003
Site Code : 20730003
Start Date : 10/14/2021
Page No : 8



Accurate Counts

978-664-2565

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 207300b4
Site Code : 207300b4
Start Date : 10/14/2021
Page No : 1

Groups Printed- Cars - Trucks

Start Time	Clubhouse Dr Center Crosswalk			Clark Rd From East			Fairview Ln From South			Clark Rd From West			Int. Tot
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
07:00 AM	0	0	1	1	76	3	19	1	1	3	40	1	146
07:15 AM	0	0	0	0	65	2	8	0	0	6	46	7	134
07:30 AM	3	0	0	1	64	4	12	0	0	6	38	0	128
07:45 AM	3	0	2	0	94	5	7	1	1	3	40	3	159
Total	6	0	3	2	299	14	46	2	2	18	164	11	567
08:00 AM	2	0	2	1	53	5	8	0	0	2	60	0	133
08:15 AM	1	0	1	0	57	5	6	0	3	7	47	4	131
08:30 AM	4	0	0	1	71	3	10	1	1	12	36	4	143
08:45 AM	3	1	1	0	78	9	11	0	2	17	47	3	172
Total	10	1	4	2	259	22	35	1	6	38	190	11	579
09:00 AM	0	0	0	4	80	9	2	0	2	18	53	3	171
09:15 AM	3	0	1	3	69	10	6	0	2	18	50	6	168
09:30 AM	2	0	2	1	67	6	7	0	1	11	52	5	154
09:45 AM	4	0	2	1	74	5	5	0	4	11	38	5	149
Total	9	0	5	9	290	30	20	0	9	58	193	19	642
10:00 AM	3	0	1	2	72	6	8	0	0	4	62	0	158
10:15 AM	1	0	6	1	75	1	5	0	3	7	45	1	145
10:30 AM	6	0	1	0	57	1	5	0	0	2	59	7	138
10:45 AM	6	0	5	1	64	5	7	0	0	5	61	6	160
Total	16	0	13	4	268	13	25	0	3	18	227	14	601
11:00 AM	0	1	6	1	73	5	0	0	1	7	50	5	149
11:15 AM	8	0	3	1	65	5	3	0	1	2	49	3	140
11:30 AM	3	0	2	0	68	2	5	0	1	5	80	1	187
11:45 AM	2	0	7	0	71	6	5	0	0	6	66	4	167
Total	13	1	18	2	277	18	13	0	3	20	245	13	623
12:00 PM	2	0	4	1	82	2	5	0	2	6	59	5	168
12:15 PM	4	0	5	2	61	4	4	0	1	10	71	5	167
12:30 PM	4	0	3	0	57	2	5	0	1	5	59	8	144
12:45 PM	4	0	2	0	72	1	3	0	4	4	72	8	170
Total	14	0	14	3	272	9	17	0	8	25	261	26	649
01:00 PM	5	0	1	3	77	2	3	0	1	3	62	4	161
01:15 PM	2	0	4	0	85	7	4	0	0	6	76	5	189
01:30 PM	4	1	4	0	76	1	4	0	0	9	51	5	155
01:45 PM	4	1	6	1	82	6	4	0	0	1	73	7	185
Total	15	2	15	4	320	16	15	0	1	19	262	21	690
02:00 PM	6	0	3	0	63	3	6	0	1	3	88	4	177
02:15 PM	6	0	7	1	73	1	6	0	0	6	78	10	188
02:30 PM	12	0	7	1	70	3	10	0	1	8	81	1	194
02:45 PM	10	0	11	4	75	5	2	1	2	4	66	8	188
Total	34	0	28	6	281	12	24	1	4	21	313	23	747
03:00 PM	4	1	7	1	92	2	8	0	1	3	87	7	213
03:15 PM	8	0	11	2	71	4	8	0	3	4	87	9	207
03:30 PM	5	0	10	3	80	5	3	1	0	7	65	8	187
03:45 PM	4	1	24	2	88	7	6	0	3	1	92	10	238
Total	21	2	52	8	331	18	25	1	7	15	331	34	845
04:00 PM	7	0	15	1	72	2	10	0	1	8	92	13	221
04:15 PM	3	0	12	0	70	5	8	0	2	2	88	8	198
04:30 PM	8	0	10	0	68	5	6	0	5	4	108	9	223
04:45 PM	3	1	5	3	60	2	11	0	1	9	83	6	184
Total	21	1	42	4	270	14	35	0	9	23	371	36	826
05:00 PM	6	1	10	0	74	7	3	0	2	10	81	12	206

Accurate Counts
978-664-2565

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730004
Site Code : 20730004
Start Date : 10/14/2021
Page No : 2

Groups Printed- Cars - Trucks

	Clubhouse Dr Center			Clark Rd From East			Fairview Ln From South			Clark Rd From			Int. Tot
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
05:15 PM	3	0	5	2	62	9	4	0	0	4	72	17	178
05:30 PM	4	0	12	4	52	5	4	0	2	3	83	4	173
05:45 PM	10	0	13	3	65	7	8	0	2	1	72	7	188
Total	23	1	40	9	253	28	19	0	6	18	308	40	745
06:00 PM	3	0	16	2	49	0	5	0	0	0	100	12	187
06:15 PM	8	0	6	0	48	5	5	0	1	0	61	13	147
06:30 PM	5	0	15	1	47	0	5	0	0	4	51	5	133
06:45 PM	3	0	5	0	24	1	5	1	1	0	64	4	108
Total	19	0	42	3	168	6	20	1	2	4	276	34	575
Grand Total	201	8	276	56	3288	200	294	6	60	277	3141	282	8084
Apprch %	41.4	1.6	56.9	1.6	92.8	5.6	81.7	1.7	16.7	7.5	84.9	7.6	
Total %	2.5	0.1	3.4	0.7	40.6	2.5	3.6	0.1	0.7	3.4	38.8	3.5	
Cars	200	8	271	53	3209	199	288	6	57	273	3047	276	7887
% Cars	99.5	100	98.2	94.6	97.6	99.5	98	100	95	98.6	97	97.9	97.5
Trucks	1	0	5	3	79	1	6	0	3	4	94	6	202
% Trucks	0.5	0	1.8	5.4	2.4	0.5	2	0	5	1.4	3	2.1	2.5

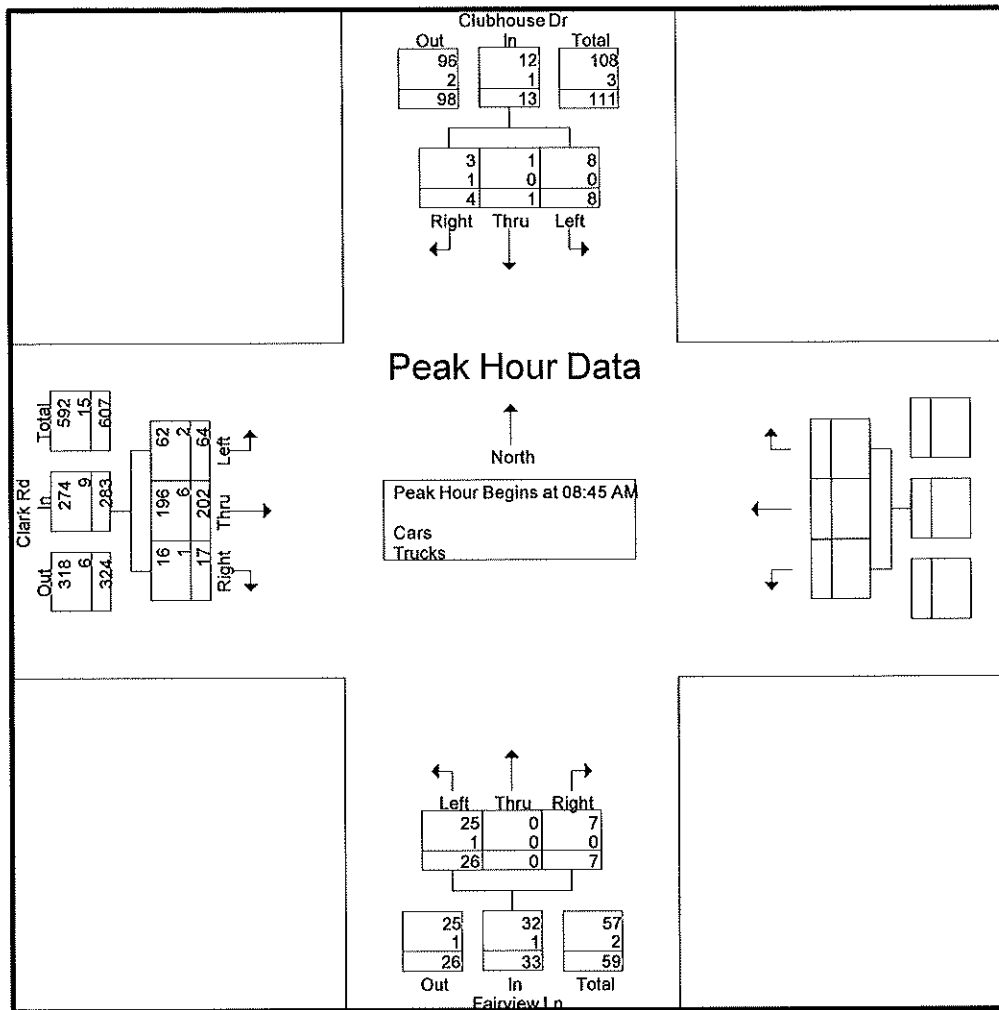
	Clubhouse Dr Center Crosswalk				Clark Rd From East				Fairview Ln From South				Clark Rd From West				Int. Tot
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:45 AM																	
08:45 AM	3	1	1	5	0	78	9	87	11	0	2	13	17	47	3	67	172
09:00 AM	0	0	0	0	4	80	9	93	2	0	2	4	18	53	3	74	171
09:15 AM	3	0	1	4	3	69	10	82	6	0	2	8	18	50	6	74	168
09:30 AM	2	0	2	4	1	67	6	74	7	0	1	8	11	52	5	68	154
Total Volume	8	1	4	13	8	294	34	336	26	0	7	33	64	202	17	283	665
% App. Total	61.5	7.7	30.8		2.4	87.5	10.1		78.8	0	21.2		22.6	71.4	6		
PHF	.667	.250	.500	.650	.500	.919	.850	.903	.591	.000	.875	.635	.889	.953	.708	.956	.967
Cars	8	1	3	12	8	290	34	332	25	0	7	32	62	196	16	274	650
% Cars	100	100	75.0	92.3	100	98.6	100	98.8	96.2	0	100	97.0	96.9	97.0	94.1	96.8	97.1
Trucks	0	0	1	1	0	4	0	4	1	0	0	1	2	6	1	9	15
% Trucks	0	0	25.0	7.7	0	1.4	0	1.2	3.8	0	0	3.0	3.1	3.0	5.9	3.2	2.3

Accurate Counts

978-664-2565

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730004
Site Code : 20730004
Start Date : 10/14/2021
Page No : 3



Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

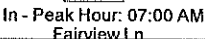
Peak Hour for Each Approach Begins at:

	07:45 AM				08:30 AM				07:00 AM				08:45 AM			
+0 mins.	3	0	2	5	1	71	3	75	19	1	1	21	17	47	3	67
+15 mins.	2	0	2	4	0	78	9	87	8	0	0	8	18	53	3	74
+30 mins.	1	0	1	2	4	80	9	93	12	0	0	12	18	50	6	74
+45 mins.	4	0	0	4	3	69	10	82	7	1	1	9	11	52	5	68
Total Volume	10	0	5	15	8	298	31	337	46	2	2	50	64	202	17	283
% App. Total	66.7	0	33.3		2.4	88.4	9.2		92	4	4		22.6	71.4	6	
PHF	.625	.000	.625	.750	.500	.931	.775	.906	.605	.500	.500	.595	.889	.953	.708	.956
Cars	10	0	4	14	8	291	31	330	44	2	2	48	62	196	16	274
% Cars	100	0	80	93.3	100	97.7	100	97.9	95.7	100	100	96	96.9	97	94.1	96.8
Trucks	0	0	1	1	0	7	0	7	2	0	0	2	2	6	1	9
% Trucks	0	0	20	6.7	0	2.3	0	2.1	4.3	0	0	4	3.1	3	5.9	3.2

978-664-2565

Weather : Clear

Page No : 4



Peak Hour for Entire Intersection Begins at 01:00 PM

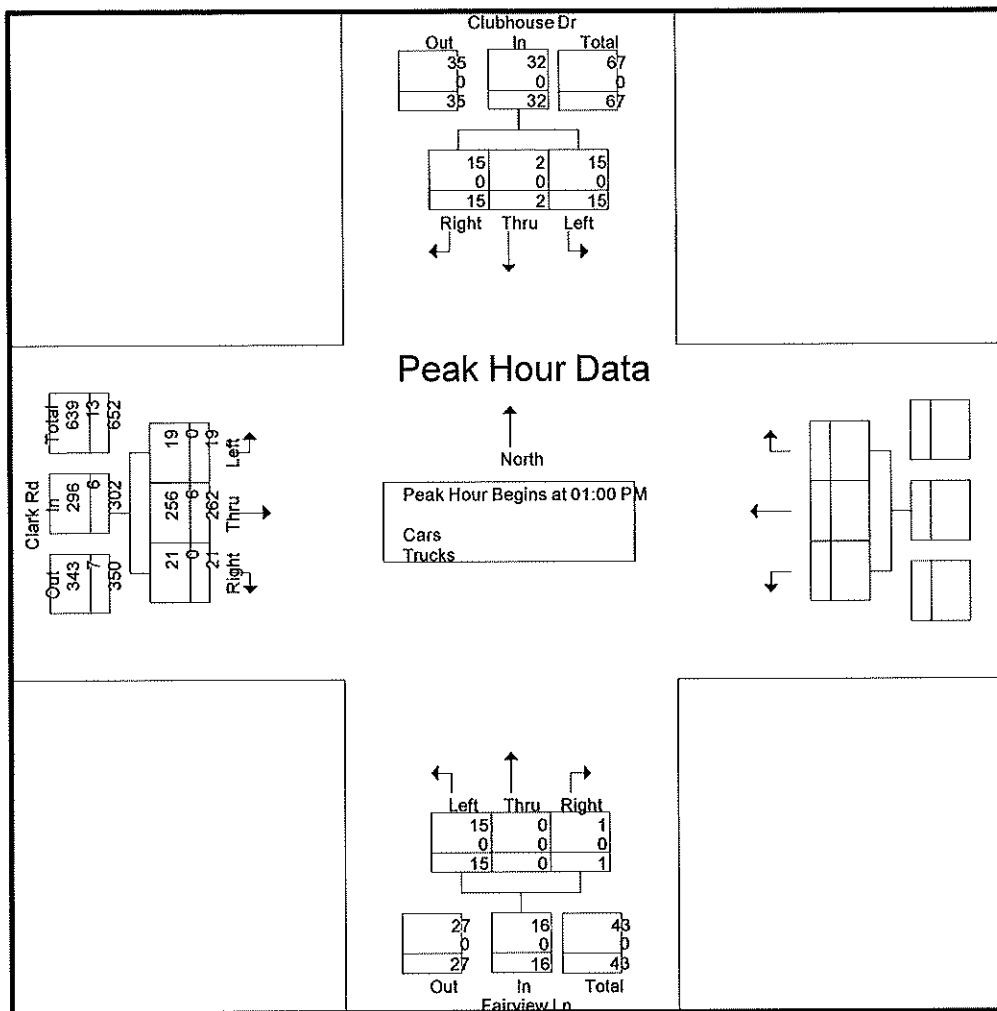
01:00 PM	5	0	1	6	3	77	2	82	3	0	1	4	3	62	4	69	161
01:15 PM	2	0	4	6	0	85	7	92	4	0	0	4	6	76	5	87	189
01:30 PM	4	1	4	9	0	76	1	77	4	0	0	4	9	51	5	65	155
01:45 PM	4	1	6	11	1	82	6	89	4	0	0	4	1	73	7	81	185
Total Volume	15	2	15	32	4	320	16	340	15	0	1	16	19	262	21	302	690
% App. Total	46.9	6.2	46.9		1.2	94.1	4.7		93.8	0	6.2		6.3	86.8	7		
PHF	.750	.500	.625	.727	.333	.941	.571	.924	.938	.000	.250	1.00	.528	.862	.750	.868	.913
Cars	15	2	15	32	4	313	16	333	15	0	1	16	19	256	21	296	671
% Cars	100	100	100	100	100	97.8	100	97.9	100	0	100	100	100	97.7	100	98.0	98.1
Trucks	0	0	0	0	0	7	0	7	0	0	0	0	0	6	0	6	13
% Trucks	0	0	0	0	0	2.2	0	2.1	0	0	0	0	0	2.3	0	2.0	1.9

Accurate Counts

978-664-2565

File Name : 20730064
Site Code : 20730004
Start Date : 10/14/2021
Page No : 5

V/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1

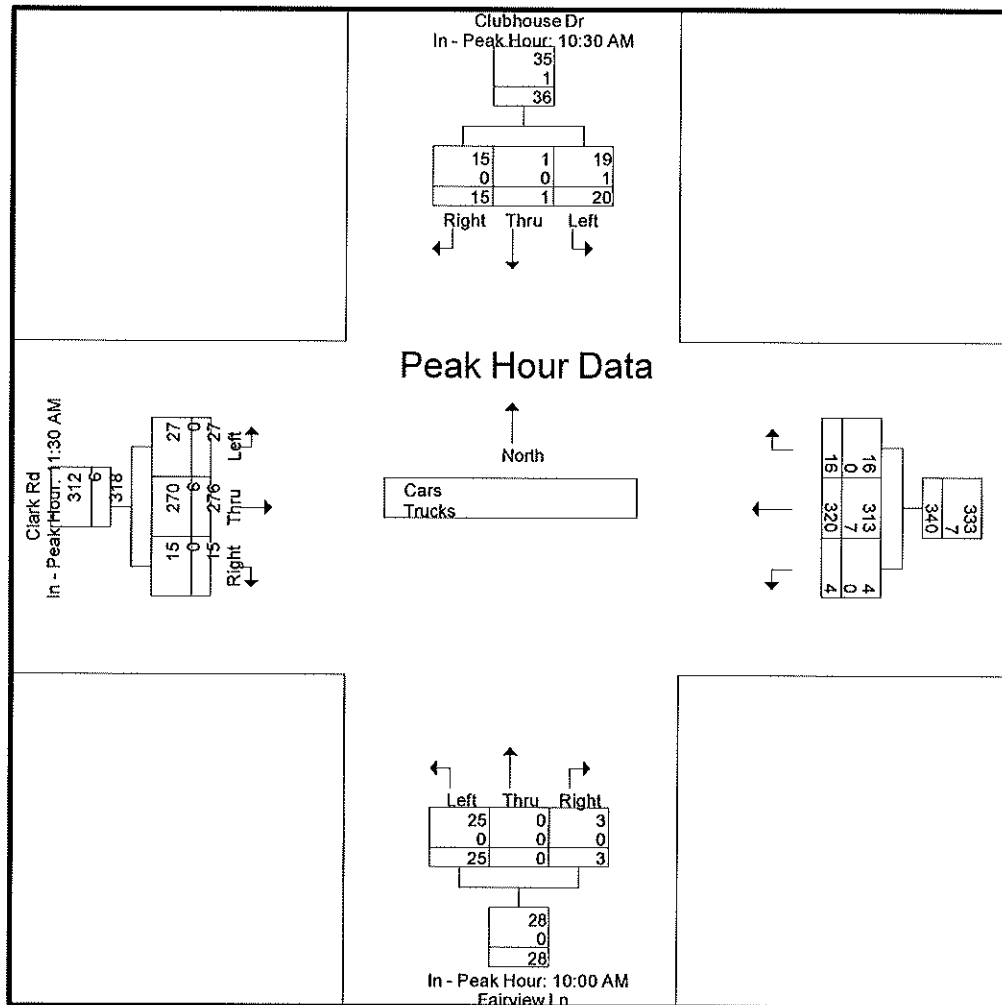
Peak Hour for Each Approach Begins at:

	10:30 AM				01:00 PM				10:00 AM				11:30 AM			
+0 mins.	6	0	1	7	3	77	2	82	8	0	0	8	5	80	1	86
+15 mins.	6	0	5	11	0	85	7	92	5	0	3	8	6	66	4	76
+30 mins.	0	1	6	7	0	76	1	77	5	0	0	5	6	59	5	70
+45 mins.	8	0	3	11	1	82	6	89	7	0	0	7	10	71	5	86
Total Volume	20	1	15	36	4	320	16	340	25	0	3	28	27	276	15	318
% App. Total	55.6	2.8	41.7		1.2	94.1	4.7		89.3	0	10.7		8.5	86.8	4.7	
PHF	.625	.250	.625	.818	.333	.941	.571	.924	.781	.000	.250	.875	.675	.863	.750	.924
Cars	19	1	15	35	4	313	16	333	25	0	3	28	27	270	15	312
% Cars	95	100	100	97.2	100	97.8	100	97.9	100	0	100	100	100	97.8	100	98.1
Trucks	1	0	0	1	0	7	0	7	0	0	0	0	0	6	0	6
% Trucks	5	0	0	2.8	0	2.2	0	2.1	0	0	0	0	0	2.2	0	1.9

Accurate Counts
978-664-2565

File Name : 20730004
Site Code : 20730004
Start Date : 10/14/2011
Page No : 6

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear



Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 03:45 PM

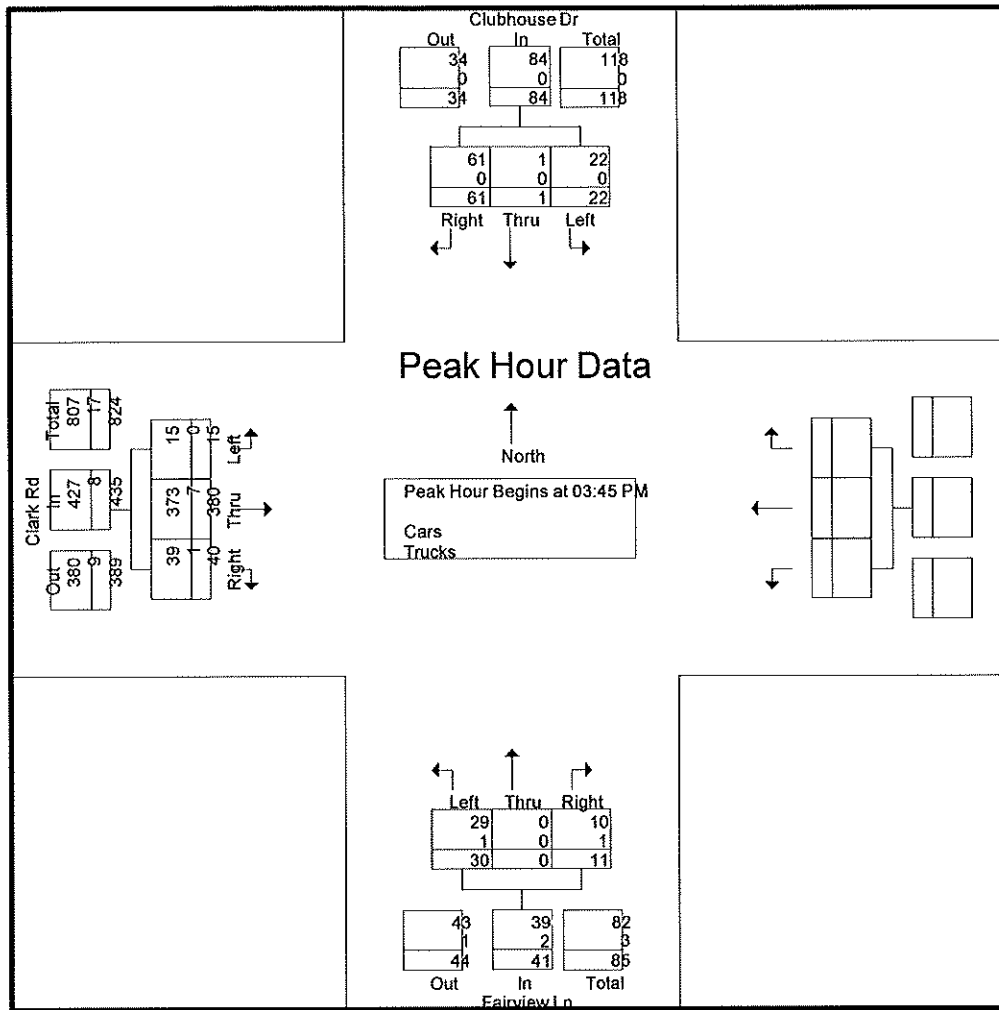
03:45 PM	4	1	24	29	2	88	7	97	6	0	3	9	1	92	10	103	238
04:00 PM	7	0	15	22	1	72	2	75	10	0	1	11	8	92	13	113	221
04:15 PM	3	0	12	15	0	70	5	75	8	0	2	10	2	88	8	98	198
04:30 PM	8	0	10	18	0	68	5	73	6	0	5	11	4	108	9	121	223
Total Volume	22	1	61	84	3	298	19	320	30	0	11	41	15	380	40	435	880
% App. Total	26.2	1.2	72.6		0.9	93.1	5.9		73.2	0	26.8		3.4	87.4	9.2		
PHF	.688	.250	.635	.724	.375	.847	.679	.825	.750	.000	.550	.932	.469	.880	.769	.899	.924
Cars	22	1	61	84	3	290	19	312	29	0	10	39	15	373	39	427	862
% Cars	100	100	100	100	100	97.3	100	97.5	96.7	0	90.9	95.1	100	98.2	97.5	98.2	98.0
Trucks	0	0	0	0	0	8	0	8	1	0	1	2	0	7	1	8	18
% Trucks	0	0	0	0	0	2.7	0	2.5	3.3	0	9.1	4.9	0	1.8	2.5	1.8	2.0

Accurate Counts

978-664-2565

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730034
Site Code : 20730034
Start Date : 10/14/2021
Page No : 7



Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

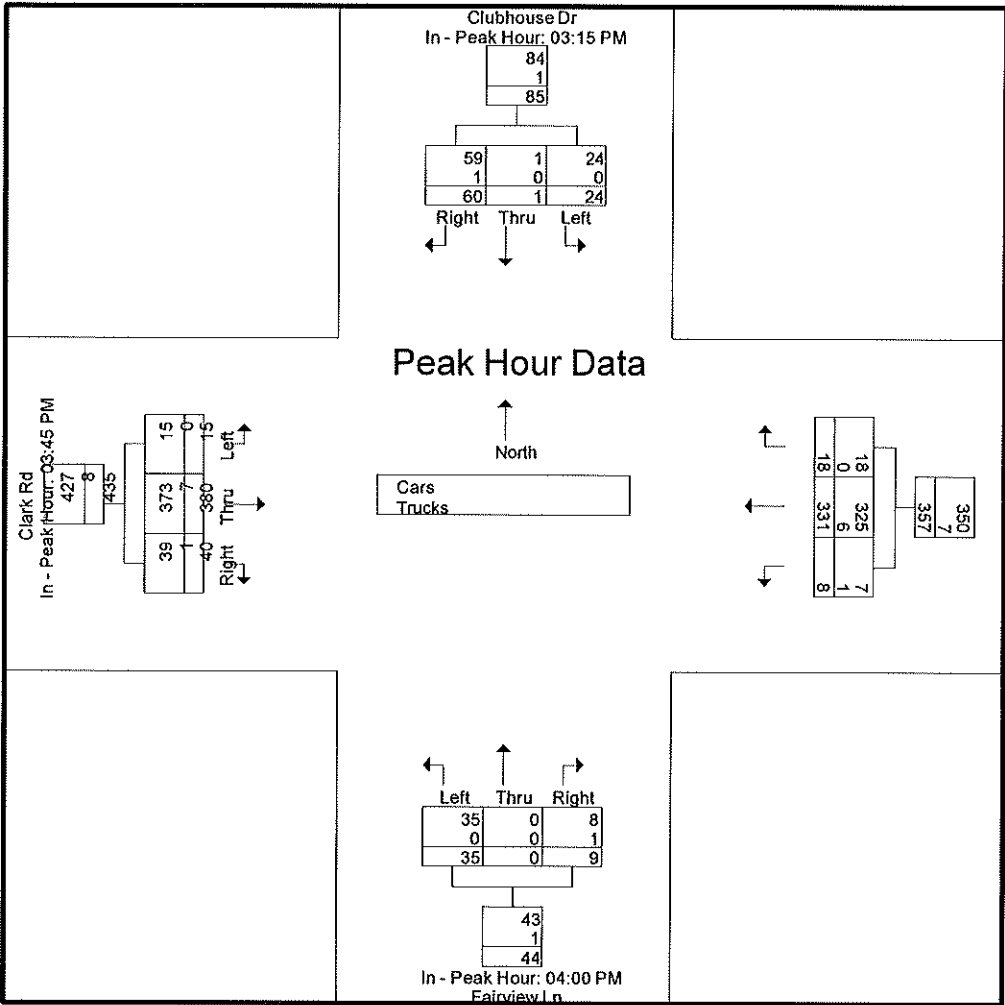
Peak Hour for Each Approach Begins at:

	03:15 PM				03:00 PM				04:00 PM				03:45 PM			
+0 mins.	8	0	11	19	1	92	2	95	10	0	1	11	1	92	10	103
+15 mins.	5	0	10	15	2	71	4	77	8	0	2	10	8	92	13	113
+30 mins.	4	1	24	29	3	80	5	88	6	0	5	11	2	88	8	98
+45 mins.	7	0	15	22	2	88	7	97	11	0	1	12	4	108	9	121
Total Volume	24	1	60	85	8	331	18	357	35	0	9	44	15	380	40	435
% App. Total	28.2	1.2	70.6		2.2	92.7	5		79.5	0	20.5		3.4	87.4	9.2	
PHF	.750	.250	.625	.733	.667	.899	.643	.920	.795	.000	.450	.917	.469	.880	.769	.899
Cars	24	1	59	84	7	325	18	350	35	0	8	43	15	373	39	427
% Cars	100	100	98.3	98.8	87.5	98.2	100	98	100	0	88.9	97.7	100	98.2	97.5	98.2
Trucks	0	0	1	1	1	6	0	7	0	0	1	1	0	7	1	8
% Trucks	0	0	1.7	1.2	12.5	1.8	0	2	0	0	11.1	2.3	0	1.8	2.5	1.8

Accurate Counts
978-664-2565

N/S Street : Clubhouse Dr /Fairview Ln
E/W Street : Clark Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730004
Site Code : 20730004
Start Date : 10/14/2021
Page No : 8



Accurate Counts
978-664-2565

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730006
Site Code : 20730006
Start Date : 10/14/2021
Page No : 1

Groups Printed- Cars - Trucks

Start Time	Beaver Dam Rd From East		Great Island Rd From South		Beaver Dam Rd From West		Int. Tot
	Left	Thru	Left	Right	Thru	Right	
07:00 AM	0	60	12	1	37	2	112
07:15 AM	0	46	16	0	35	7	104
07:30 AM	0	46	16	2	34	4	102
07:45 AM	1	73	12	3	32	13	134
Total	1	225	56	6	138	26	452
08:00 AM	1	37	19	2	42	5	106
08:15 AM	3	51	9	0	34	9	106
08:30 AM	0	48	23	1	32	7	111
08:45 AM	2	50	26	2	39	10	127
Total	6	186	77	5	147	31	452
09:00 AM	3	57	33	2	36	12	143
09:15 AM	0	49	27	4	41	12	133
09:30 AM	4	47	25	0	38	11	125
09:45 AM	1	55	26	1	31	13	127
Total	8	208	111	7	146	48	528
10:00 AM	7	52	26	5	45	15	156
10:15 AM	2	39	28	1	31	16	117
10:30 AM	2	37	23	3	47	14	126
10:45 AM	0	42	21	4	51	13	131
Total	11	170	98	13	174	58	524
11:00 AM	1	50	27	2	38	11	124
11:15 AM	2	49	24	2	46	12	135
11:30 AM	5	48	19	2	59	23	156
11:45 AM	5	60	17	6	43	25	156
Total	13	207	87	12	186	71	576
12:00 PM	1	55	24	3	42	22	147
12:15 PM	4	42	23	5	56	18	148
12:30 PM	4	40	17	4	54	5	124
12:45 PM	3	50	18	4	55	20	150
Total	12	187	82	16	207	65	569
01:00 PM	4	52	27	2	48	18	151
01:15 PM	2	54	23	10	46	22	157
01:30 PM	3	54	22	3	39	18	139
01:45 PM	2	54	30	2	47	23	158
Total	11	214	102	17	180	81	605
02:00 PM	1	49	11	2	63	32	158
02:15 PM	6	47	21	2	62	23	161
02:30 PM	3	52	14	2	68	18	157
02:45 PM	2	62	14	4	62	26	170
Total	12	210	60	10	255	99	646
03:00 PM	2	73	16	0	80	12	183
03:15 PM	2	53	18	4	66	27	170
03:30 PM	5	58	25	4	51	17	160
03:45 PM	2	70	19	5	65	32	193
Total	11	254	78	13	262	88	706
04:00 PM	5	56	11	4	68	19	163
04:15 PM	6	50	17	4	60	25	162
04:30 PM	0	53	16	2	81	28	186
04:45 PM	2	46	14	3	69	17	151
Total	13	205	58	13	278	89	656
05:00 PM	1	61	13	2	57	19	153

Accurate Counts
978-664-2565

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730004
Site Code : 20730004
Start Date : 10/14/26
Page No : 2

Groups Printed- Cars - Trucks

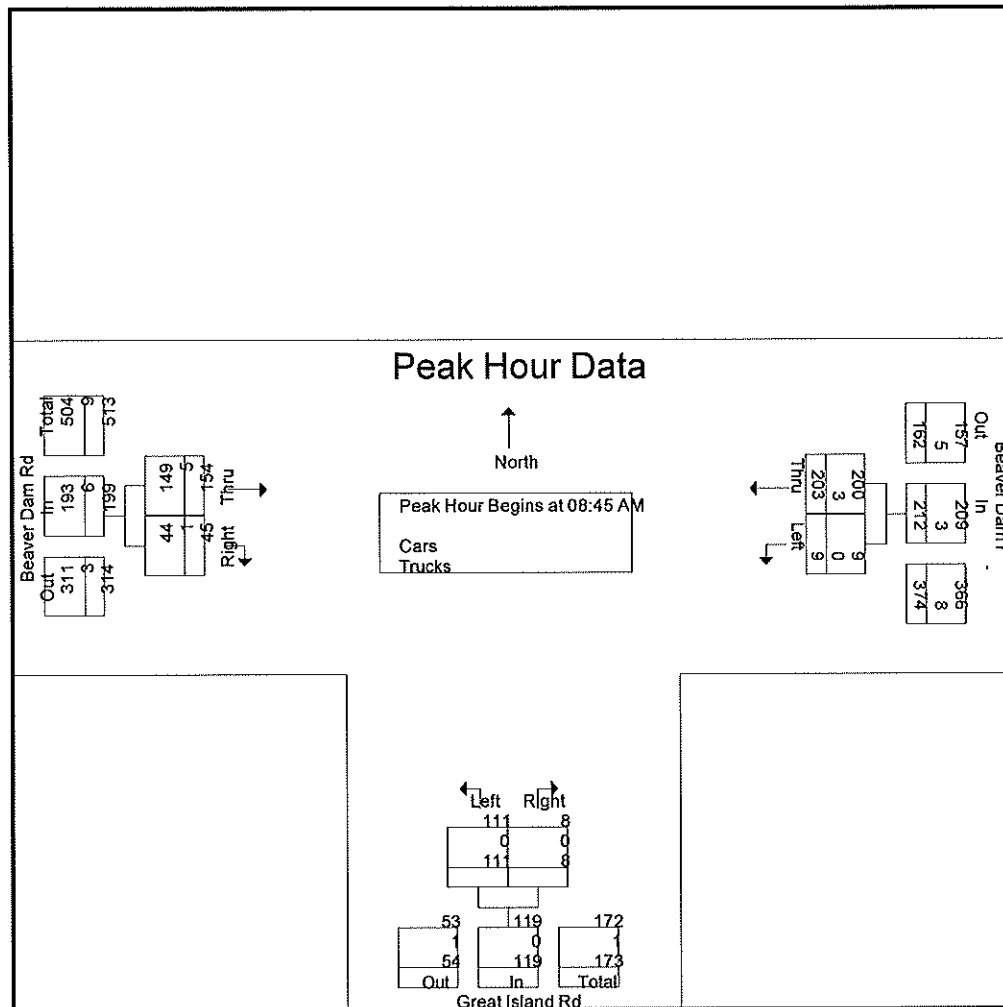
	Beaver Dam Rd From East		Great Island Rd From South		Beaver Dam Rd From West		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
05:15 PM	3	52	12	3	58	12	140
05:30 PM	2	45	8	3	65	17	140
05:45 PM	1	66	9	2	62	22	162
Total	7	224	42	10	242	70	595
06:00 PM	3	35	13	0	75	19	145
06:15 PM	1	43	2	1	51	19	111
06:30 PM	3	39	8	2	40	10	102
06:45 PM	1	15	9	0	48	12	85
Total	8	132	32	3	214	60	449
Grand Total	113	2422	883	125	2429	786	6758
Apprch %	4.5	95.5	87.6	12.4	75.6	24.4	
Total %	1.7	35.8	13.1	1.8	35.9	11.6	
Cars	113	2354	879	124	2340	778	6588
% Cars	100	97.2	99.5	99.2	96.3	99	97.5
Trucks	0	68	4	1	89	8	170
% Trucks	0	2.8	0.5	0.8	3.7	1	2.5

	Beaver Dam Rd From East			Great Island Rd From South			Beaver Dam Rd 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 09:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 08:45 AM										
08:45 AM	2	50	52	26	2	28	39	10	49	129
09:00 AM	3	57	60	33	2	35	36	12	48	143
09:15 AM	0	49	49	27	4	31	41	12	53	133
09:30 AM	4	47	51	25	0	25	38	11	49	125
Total Volume	9	203	212	111	8	119	154	45	199	530
% App. Total	4.2	95.8		93.3	6.7		77.4	22.6		
PHF	.563	.890	.883	.841	.500	.850	.939	.938	.939	.927
Cars	9	200	209	111	8	119	149	44	193	521
% Cars	100	98.5	98.6	100	100	100	96.8	97.8	97.0	98.3
Trucks	0	3	3	0	0	0	5	1	6	9
% Trucks	0	1.5	1.4	0	0	0	3.2	2.2	3.0	1.7

Accurate Counts
978-664-2565

File Name : 20730066
Site Code : 20730066
Start Date : 10/14/2024
Page No : 3

W/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear



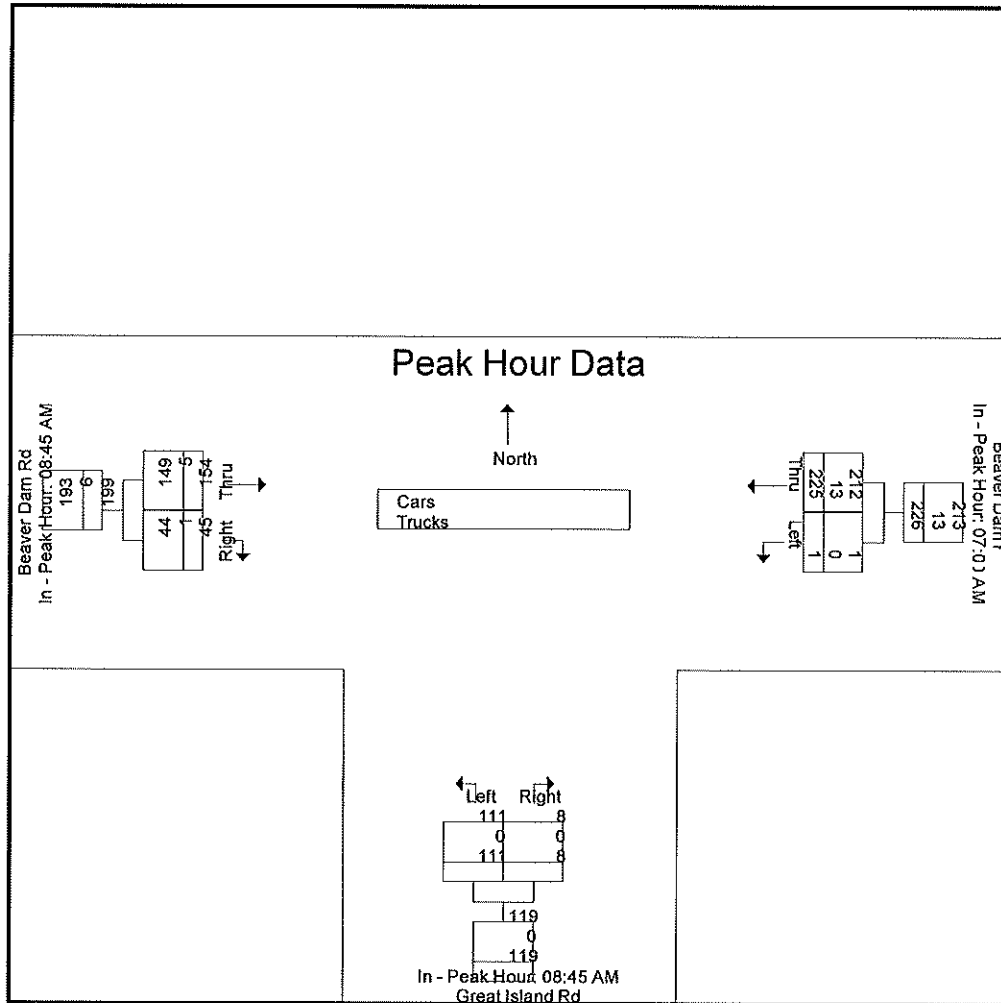
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			08:45 AM			08:45 AM		
+0 mins.	0	60	60	26	2	28	39	10	49
+15 mins.	0	46	46	33	2	35	36	12	48
+30 mins.	0	46	46	27	4	31	41	12	53
+45 mins.	1	73	74	25	0	25	38	11	49
Total Volume	1	225	226	111	8	119	154	45	199
% App. Total	0.4	99.6		93.3	6.7		77.4	22.6	
PHF	.250	.771	.764	.841	.500	.850	.939	.938	.939
Cars	1	212	213	111	8	119	149	44	193
% Cars	100	94.2	94.2	100	100	100	96.8	97.8	97
Trucks	0	13	13	0	0	0	5	1	6
% Trucks	0	5.8	5.8	0	0	0	3.2	2.2	3

Accurate Counts
978-664-2565

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730006
Site Code : 20730006
Start Date : 10/14/2021
Page No : 4

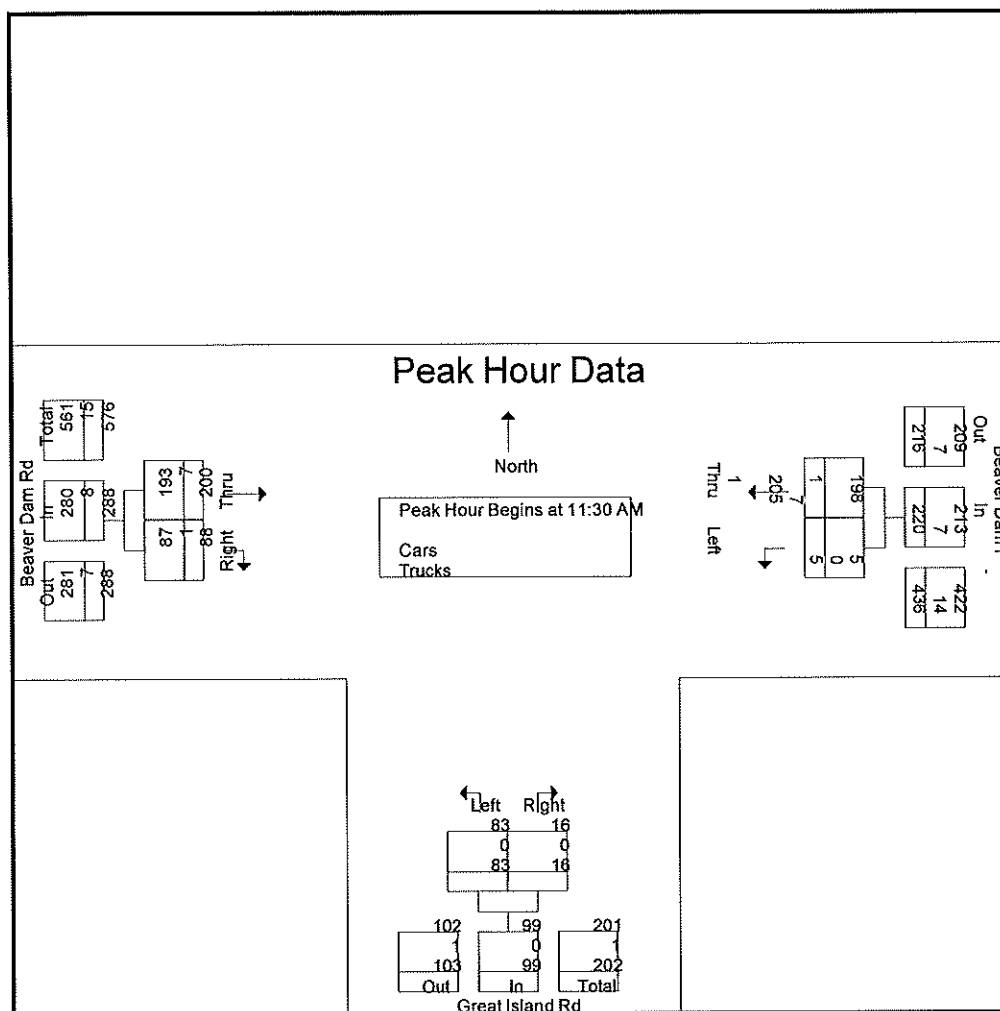


Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 11:30 AM

11:30 AM	5	48	53	19	2	21	59	23	82	156
11:45 AM	5	60	65	17	6	23	43	25	68	156
12:00 PM	1	55	56	24	3	27	42	22	64	147
12:15 PM	4	42	46	23	5	28	56	18	74	148
Total Volume	15	205	220	83	16	99	200	88	288	607
% App. Total	6.8	93.2		83.8	16.2		69.4	30.6		
PHF	.750	.854	.846	.865	.667	.884	.847	.880	.878	.973
Cars	15	198	213	83	16	99	193	87	280	592
% Cars	100	96.6	96.8	100	100	100	96.5	98.9	97.2	97.5
Trucks	0	7	7	0	0	0	7	1	8	15
% Trucks	0	3.4	3.2	0	0	0	3.5	1.1	2.8	2.5

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear



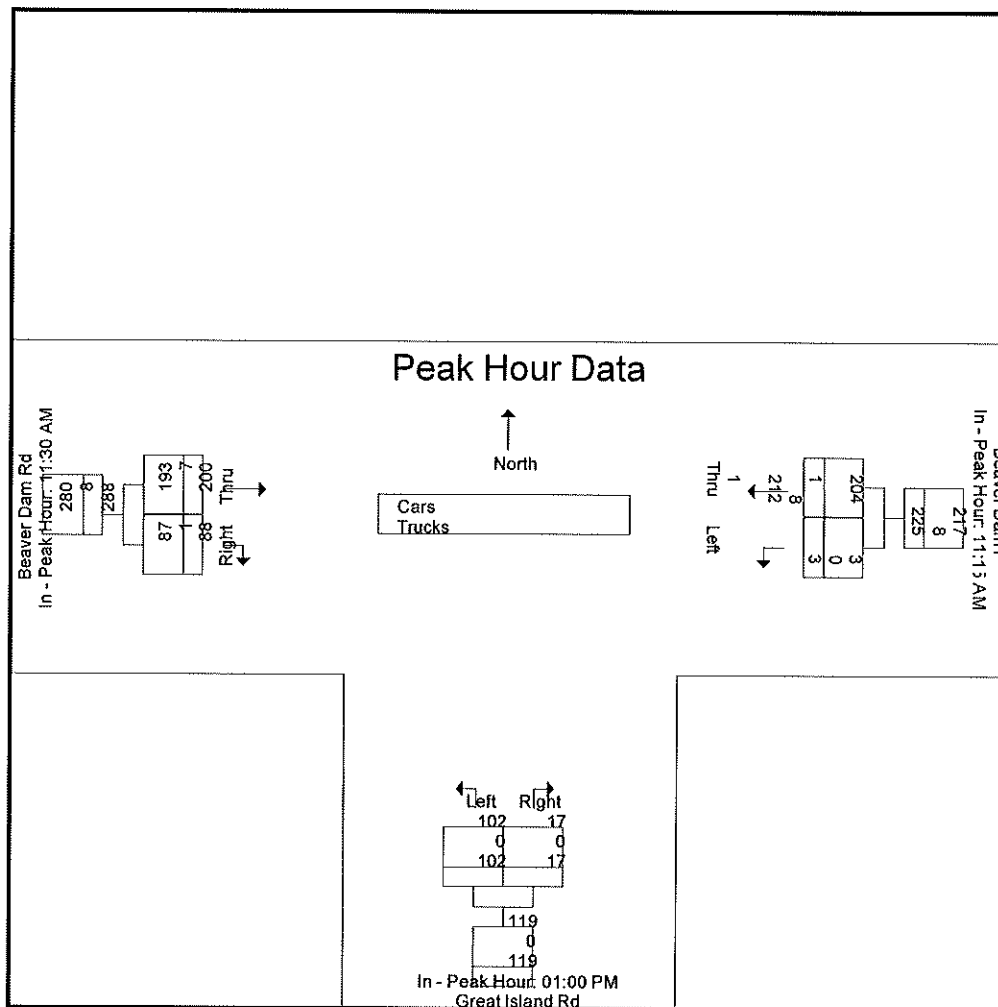
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	11:15 AM			01:00 PM			11:30 AM		
+0 mins.	2	49	51	27	2	29	59	23	82
+15 mins.	5	48	53	23	10	33	43	25	68
+30 mins.	5	60	65	22	3	25	42	22	64
+45 mins.	1	55	56	30	2	32	56	18	74
Total Volume	13	212	225	102	17	119	200	88	288
% App. Total	5.8	94.2		85.7	14.3		69.4	30.6	
PHF	.650	.883	.865	.850	.425	.902	.847	.880	.878
Cars	13	204	217	102	17	119	193	87	280
% Cars	100	96.2	96.4	100	100	100	96.5	98.9	97.2
Trucks	0	8	8	0	0	0	7	1	8
% Trucks	0	3.8	3.6	0	0	0	3.5	1.1	2.8

Accurate Counts
978-664-2565

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730006
Site Code : 20730006
Start Date : 10/14/2021
Page No : 6

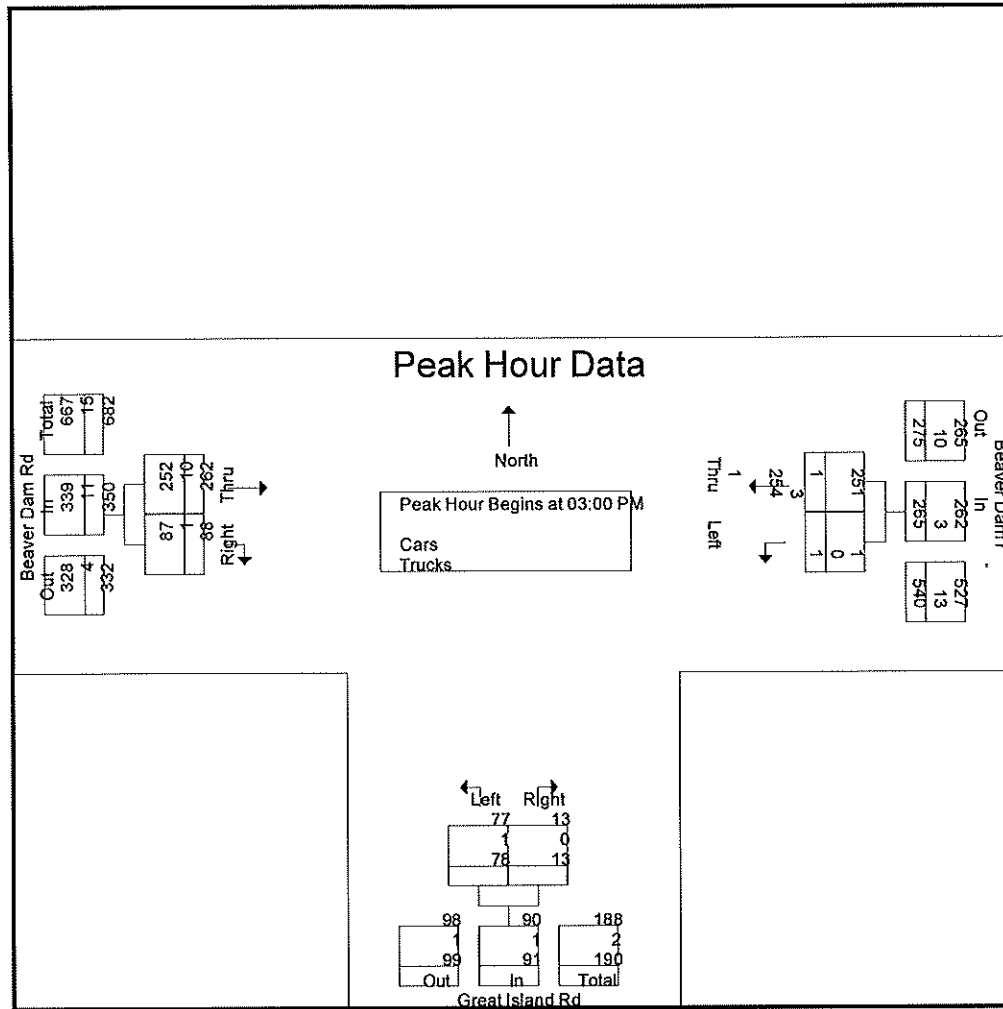


Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 03:00 PM

03:00 PM	2	73	75	16	0	16	80	12	92	183
03:15 PM	2	53	55	18	4	22	66	27	93	170
03:30 PM	5	58	63	25	4	29	51	17	68	160
03:45 PM	2	70	72	19	5	24	65	32	97	193
Total Volume	11	254	265	78	13	91	262	88	350	706
% App. Total	4.2	95.8		85.7	14.3		74.9	25.1		
PHF	.550	.870	.883	.780	.650	.784	.819	.688	.902	.915
Cars	11	251	262	77	13	90	252	87	339	691
% Cars	100	98.8	98.9	98.7	100	98.9	96.2	98.9	96.9	97.9
Trucks	0	3	3	1	0	1	10	1	11	15
% Trucks	0	1.2	1.1	1.3	0	1.1	3.8	1.1	3.1	2.1

N/S Street : Great Island Road
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear



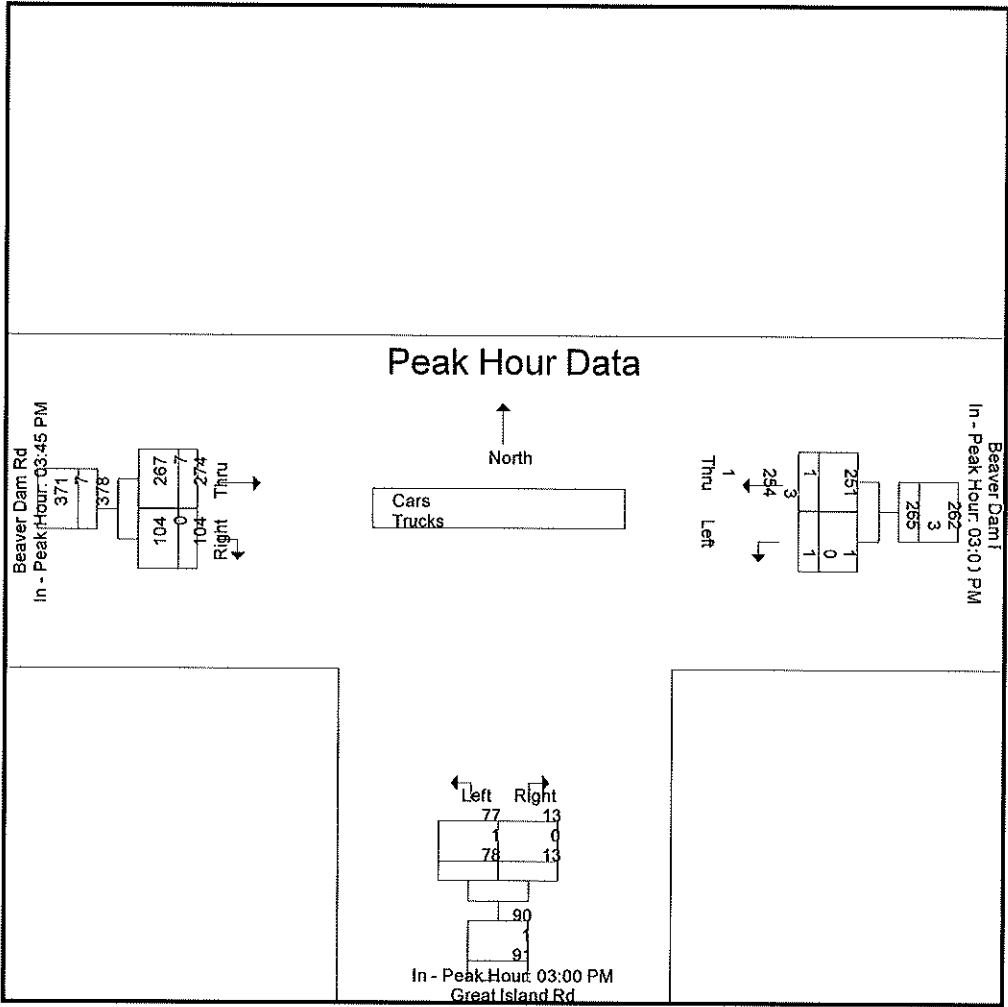
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:00 PM			03:00 PM			03:45 PM		
+0 mins.	2	73	75	16	0	16	65	32	97
+15 mins.	2	53	55	18	4	22	68	19	87
+30 mins.	5	58	63	25	4	29	60	25	85
+45 mins.	2	70	72	19	5	24	81	28	109
Total Volume	11	254	265	78	13	91	274	104	378
% App. Total	4.2	95.8		85.7	14.3		72.5	27.5	
PHF	.550	.870	.883	.780	.650	.784	.846	.813	.867
Cars	11	251	262	77	13	90	267	104	371
% Cars	100	98.8	98.9	98.7	100	98.9	97.4	100	98.1
Trucks	0	3	3	1	0	1	7	0	7
% Trucks	0	1.2	1.1	1.3	0	1.1	2.6	0	1.9

S Street : Great Island Road
W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730006
Site Code : 20730006
Start Date : 10/14/2021
Page No : 8



Accurate Counts

978-664-2565

File Name : 20730007

Site Code : 20730007

Start Date : 10/14/2021

Page No : 1

N/S Street : Long Ridge Rd / Little Island Rd

E/W Street : Beaver Dam Road

City/State : Plymouth, MA

Weather : Clear

Groups Printed- Cars - Trucks

Start Time	Long Ridge Rd Center Crosswalk			Beaver Dam Rd From East			Little Island Rd From South			Beaver Dam Rd From West			Int. To
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
07:00 AM	0	0	8	1	50	2	1	0	0	12	26	1	101
07:15 AM	1	0	9	1	34	2	5	1	1	6	28	1	89
07:30 AM	5	0	8	0	34	0	2	0	3	13	24	0	89
07:45 AM	1	0	9	1	59	1	7	0	1	3	28	1	111
Total	7	0	34	3	177	5	15	1	5	34	106	3	390
08:00 AM	1	1	9	1	26	2	2	2	1	7	35	0	81
08:15 AM	5	0	12	1	39	1	5	0	0	8	22	2	95
08:30 AM	4	0	12	1	30	5	4	0	0	8	25	2	91
08:45 AM	6	1	14	1	36	5	1	2	2	3	31	5	107
Total	16	2	47	4	131	13	12	4	3	26	113	9	380
09:00 AM	5	0	8	1	50	4	3	0	2	3	31	3	110
09:15 AM	3	0	11	4	32	3	5	0	3	6	36	2	105
09:30 AM	5	0	13	5	30	7	8	0	3	4	29	6	110
09:45 AM	3	1	13	1	39	5	4	0	3	3	21	5	98
Total	16	1	45	11	151	19	20	0	11	16	117	16	423
10:00 AM	3	4	13	1	39	4	5	0	3	7	37	5	121
10:15 AM	5	0	12	3	20	4	5	1	2	9	25	2	88
10:30 AM	5	2	8	1	23	3	6	1	1	7	38	1	96
10:45 AM	5	1	9	5	32	2	1	1	4	12	34	6	112
Total	18	7	42	10	114	13	17	3	10	35	134	14	417
11:00 AM	4	0	7	0	40	3	3	0	7	7	32	1	104
11:15 AM	6	0	11	5	40	3	1	1	2	10	33	4	116
11:30 AM	5	0	10	6	38	7	2	3	0	5	46	6	128
11:45 AM	3	1	11	0	50	5	3	1	5	9	39	3	130
Total	18	1	39	11	168	18	9	5	14	31	150	14	478
12:00 PM	11	2	13	1	37	8	5	2	2	6	37	4	128
12:15 PM	4	1	11	1	35	5	0	1	4	11	46	1	120
12:30 PM	4	1	8	4	36	7	1	1	2	10	46	5	125
12:45 PM	6	1	12	5	38	4	1	0	3	8	46	5	129
Total	25	5	44	11	146	24	7	4	11	35	175	15	502
01:00 PM	5	4	17	6	33	8	7	2	3	7	38	3	133
01:15 PM	6	1	14	2	36	4	4	0	3	15	39	2	126
01:30 PM	9	1	7	0	48	6	3	0	4	10	32	3	123
01:45 PM	4	2	10	4	39	8	6	1	2	10	30	7	123
Total	24	8	48	12	156	26	20	3	12	42	139	15	505
02:00 PM	6	1	4	5	42	6	2	1	4	12	47	9	139
02:15 PM	9	3	11	3	39	4	5	1	0	8	54	2	139
02:30 PM	5	2	8	3	38	2	7	1	3	7	52	7	135
02:45 PM	6	2	14	9	45	2	4	0	4	9	57	3	135
Total	26	8	37	20	164	14	18	3	11	36	210	21	508
03:00 PM	7	1	16	5	54	2	0	0	4	8	64	5	160
03:15 PM	4	1	13	5	41	6	2	1	4	9	56	5	147
03:30 PM	7	3	13	4	46	6	2	1	3	9	48	2	144
03:45 PM	3	1	13	3	56	4	4	2	0	8	50	7	151
Total	21	6	55	17	197	18	8	4	11	34	218	19	608
04:00 PM	2	0	8	4	47	4	3	0	3	8	58	7	144
04:15 PM	1	0	8	5	48	5	1	0	2	7	52	5	134
04:30 PM	2	0	15	4	40	2	1	1	5	10	69	3	152
04:45 PM	3	1	6	4	42	3	0	0	0	12	58	4	133
Total	8	1	37	17	177	14	5	1	10	37	237	19	503
05:00 PM	3	1	8	3	51	5	2	0	4	9	47	6	139

Accurate Counts
978-664-2565

File Name : 20730007
Site Code : 20730007
Start Date : 10/14/2021
Page No : 2

N/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

Groups Printed- Cars - Trucks

	Long Ridge Rd Center			Beaver Dam Rd From East			Little Island Rd From South			Beaver Dam Rd From			Int. Tot
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
05:15 PM	4	0	9	3	39	5	5	0	0	6	50	2	123
05:30 PM	2	0	7	1	43	3	1	0	1	7	55	6	126
05:45 PM	2	1	11	2	50	1	0	0	2	12	51	1	133
Total	11	2	35	9	183	14	8	0	7	34	203	15	521
06:00 PM	0	0	6	1	31	4	2	1	1	15	55	5	121
06:15 PM	1	0	7	6	35	2	1	0	2	9	45	0	103
06:30 PM	4	0	3	3	36	1	2	0	0	6	34	1	90
06:45 PM	4	0	3	3	12	1	1	0	2	3	45	1	75
Total	9	0	19	13	114	8	6	1	5	33	179	7	394
Grand Total	199	41	482	138	1878	186	145	29	110	393	1981	167	5749
Apprch %	27.6	5.7	66.8	6.3	85.3	8.4	51.1	10.2	38.7	15.5	78	6.6	
Total %	3.5	0.7	8.4	2.4	32.7	3.2	2.5	0.5	1.9	6.8	34.5	2.9	
Cars	197	41	458	138	1844	184	145	29	110	373	1925	166	5610
% Cars	99	100	95	100	98.2	98.9	100	100	100	94.9	97.2	99.4	97.6
Trucks	2	0	24	0	34	2	0	0	0	20	56	1	139
% Trucks	1	0	5	0	1.8	1.1	0	0	0	5.1	2.8	0.6	2.4

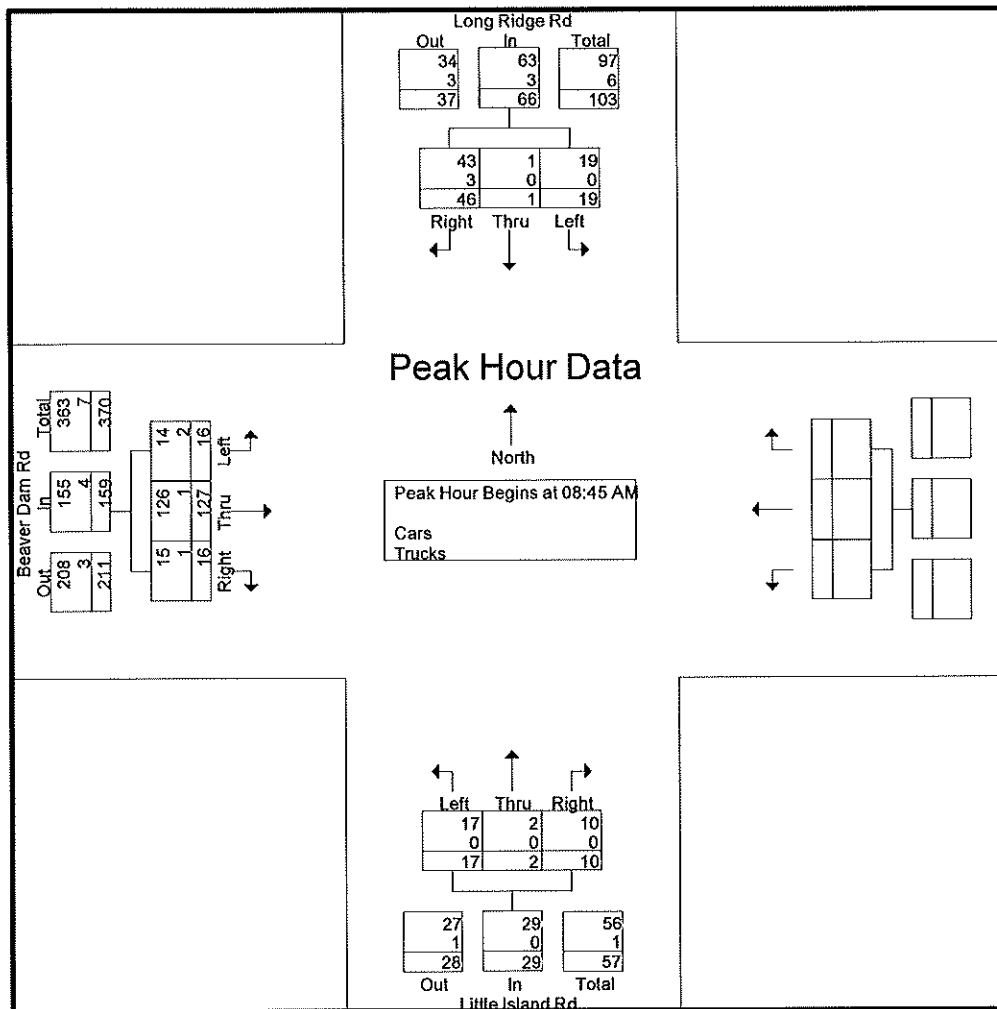
	Long Ridge Rd Center Crosswalk				Beaver Dam Rd From East				Little Island Rd From South				Beaver Dam Rd From West				Int. Tot
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 08:45 AM																	
08:45 AM	6	1	14	21	1	36	5	42	1	2	2	5	3	31	5	39	107
09:00 AM	5	0	8	13	1	50	4	55	3	0	2	5	3	31	3	37	110
09:15 AM	3	0	11	14	4	32	3	39	5	0	3	8	6	36	2	44	105
09:30 AM	5	0	13	18	5	30	7	42	8	0	3	11	4	29	6	39	110
Total Volume	19	1	46	66	11	148	19	178	17	2	10	29	16	127	16	159	432
% App. Total	28.8	1.5	69.7		6.2	83.1	10.7		58.6	6.9	34.5		10.1	79.9	10.1		
PHF	.792	.250	.821	.786	.550	.740	.679	.809	.531	.250	.833	.659	.667	.882	.667	.903	.982
Cars	19	1	43	63	11	148	18	177	17	2	10	29	14	126	15	155	424
% Cars	100	100	93.5	95.5	100	100	94.7	99.4	100	100	100	100	87.5	99.2	93.8	97.5	98.1
Trucks	0	0	3	3	0	0	1	1	0	0	0	0	2	1	1	4	8
% Trucks	0	0	6.5	4.5	0	0	5.3	0.6	0	0	0	0	12.5	0.8	6.3	2.5	1.9

Accurate Counts

978-664-2565

W/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 207300007
Site Code : 207300007
Start Date : 10/14/2021
Page No : 3



Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

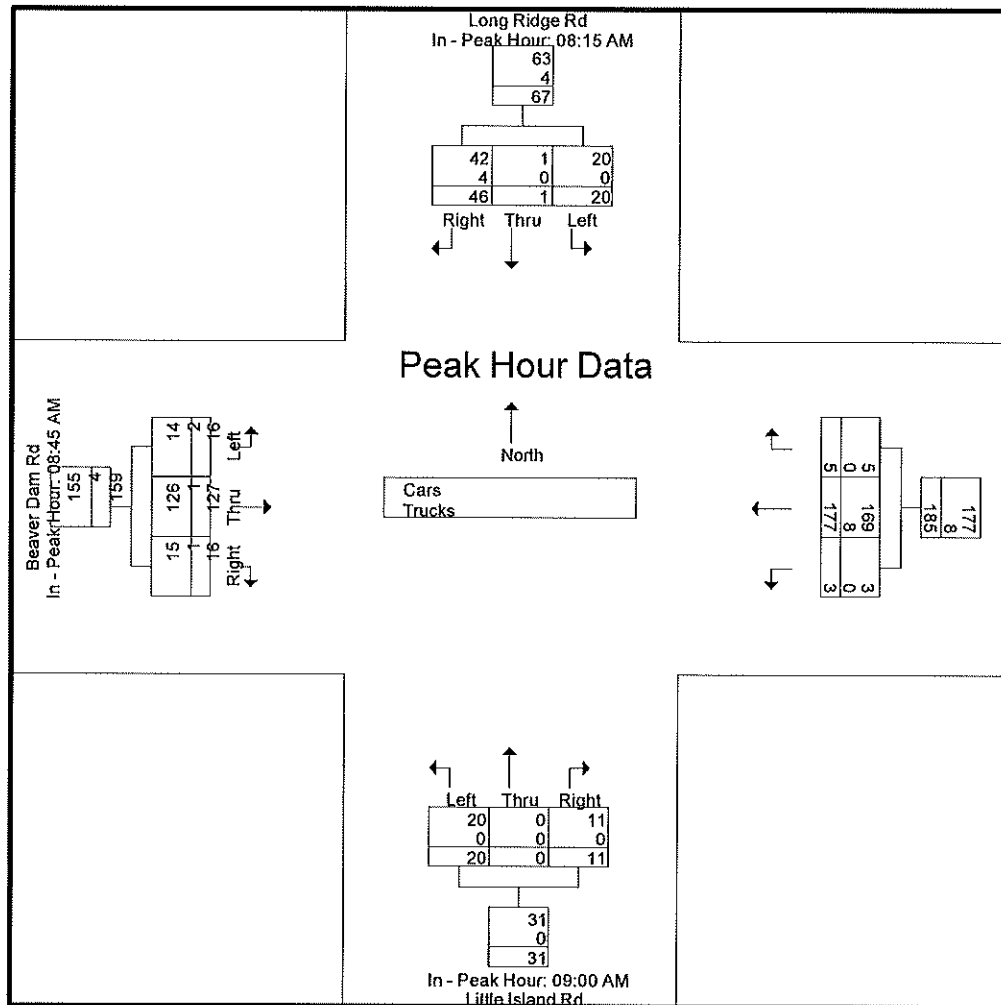
Peak Hour for Each Approach Begins at:

	08:15 AM				07:00 AM				09:00 AM				08:45 AM			
+0 mins.	5	0	12	17	1	50	2	53	3	0	2	5	3	31	5	39
+15 mins.	4	0	12	16	1	34	2	37	5	0	3	8	3	31	3	37
+30 mins.	6	1	14	21	0	34	0	34	8	0	3	11	6	36	2	44
+45 mins.	5	0	8	13	1	59	1	61	4	0	3	7	4	29	6	39
Total Volume	20	1	46	67	3	177	5	185	20	0	11	31	16	127	16	159
% App. Total	29.9	1.5	68.7		1.6	95.7	2.7		64.5	0	35.5		10.1	79.9	10.1	
PHF	.833	.250	.821	.798	.750	.750	.625	.758	.625	.000	.917	.705	.667	.882	.667	.903
Cars	20	1	42	63	3	169	5	177	20	0	11	31	14	126	15	155
% Cars	100	100	91.3	94	100	95.5	100	95.7	100	0	100	100	87.5	99.2	93.8	97.5
Trucks	0	0	4	4	0	8	0	8	0	0	0	0	2	1	1	4
% Trucks	0	0	8.7	6	0	4.5	0	4.3	0	0	0	0	12.5	0.8	6.2	2.5

Accurate Counts
978-664-2565

N/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730007
Site Code : 20730007
Start Date : 10/14/2021
Page No : 4



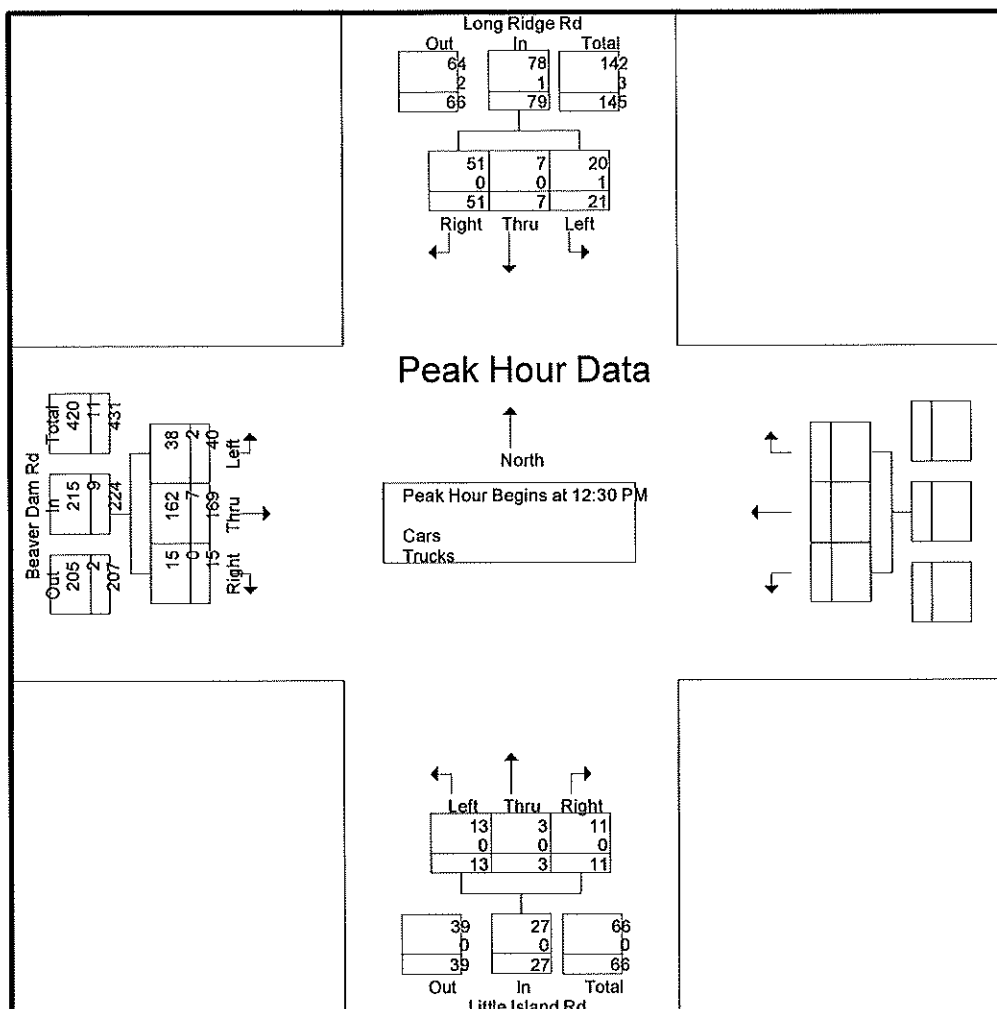
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 12:30 PM

12:30 PM	4	1	8	13	4	36	7	47	1	1	2	4	10	46	5	61	125
12:45 PM	6	1	12	19	5	38	4	47	1	0	3	4	8	46	5	59	127
01:00 PM	5	4	17	26	6	33	8	47	7	2	3	12	7	38	3	48	133
01:15 PM	6	1	14	21	2	36	4	42	4	0	3	7	15	39	2	56	126
Total Volume	21	7	51	79	17	143	23	183	13	3	11	27	40	169	15	224	513
% App. Total	26.6	8.9	64.6		9.3	78.1	12.6		48.1	11.1	40.7		17.9	75.4	6.7		
PHF	.875	.438	.750	.760	.708	.941	.719	.973	.464	.375	.917	.563	.667	.918	.750	.918	.964
Cars	20	7	51	78	17	141	23	181	13	3	11	27	38	162	15	215	501
% Cars	95.2	100	100	98.7	100	98.6	100	98.9	100	100	100	100	95.0	95.9	100	96.0	97.7
Trucks	1	0	0	1	0	2	0	2	0	0	0	0	2	7	0	9	12
% Trucks	4.8	0	0	1.3	0	1.4	0	1.1	0	0	0	0	5.0	4.1	0	4.0	2.3

Accurate Counts
978-664-2565

N/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730007
Site Code : 20730007
Start Date : 10/14/2021
Page No : 5



Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1

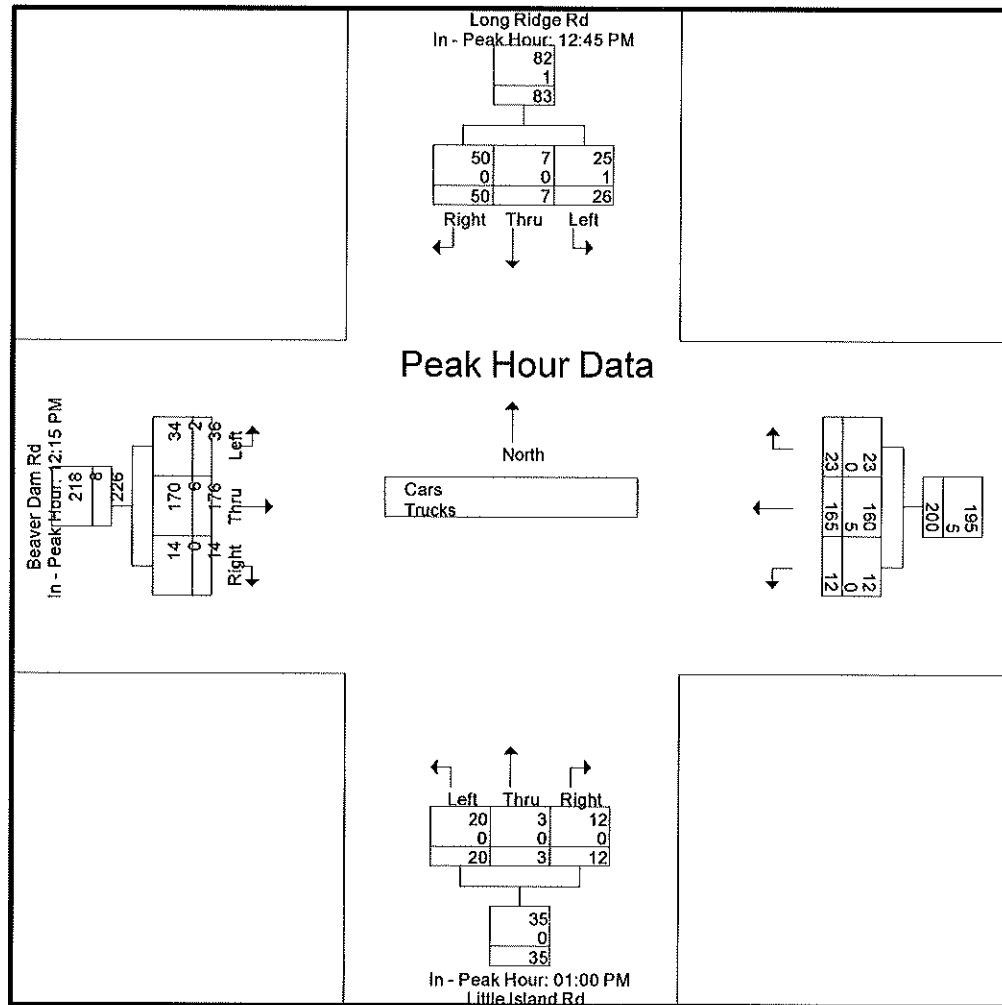
Peak Hour for Each Approach Begins at:

	12:45 PM				11:15 AM				01:00 PM				12:15 PM			
+0 mins.	6	1	12	19	5	40	3	48	7	2	3	12	11	46	1	58
+15 mins.	5	4	17	26	6	38	7	51	4	0	3	7	10	46	5	61
+30 mins.	6	1	14	21	0	50	5	55	3	0	4	7	8	46	5	59
+45 mins.	9	1	7	17	1	37	8	46	6	1	2	9	7	38	3	48
Total Volume	26	7	50	83	12	165	23	200	20	3	12	35	36	176	14	226
% App. Total	31.3	8.4	60.2		6	82.5	11.5		57.1	8.6	34.3		15.9	77.9	6.2	
PHF	.722	.438	.735	.798	.500	.825	.719	.909	.714	.375	.750	.729	.818	.957	.700	.926
Cars	25	7	50	82	12	160	23	195	20	3	12	35	34	170	14	218
% Cars	96.2	100	100	98.8	100	97	100	97.5	100	100	100	100	94.4	96.6	100	96.5
Trucks	1	0	0	1	0	5	0	5	0	0	0	0	2	6	0	8
% Trucks	3.8	0	0	1.2	0	3	0	2.5	0	0	0	0	5.6	3.4	0	3.5

Accurate Counts
978-664-2565

N/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730007
Site Code : 20730007
Start Date : 10/14/2021
Page No : 6



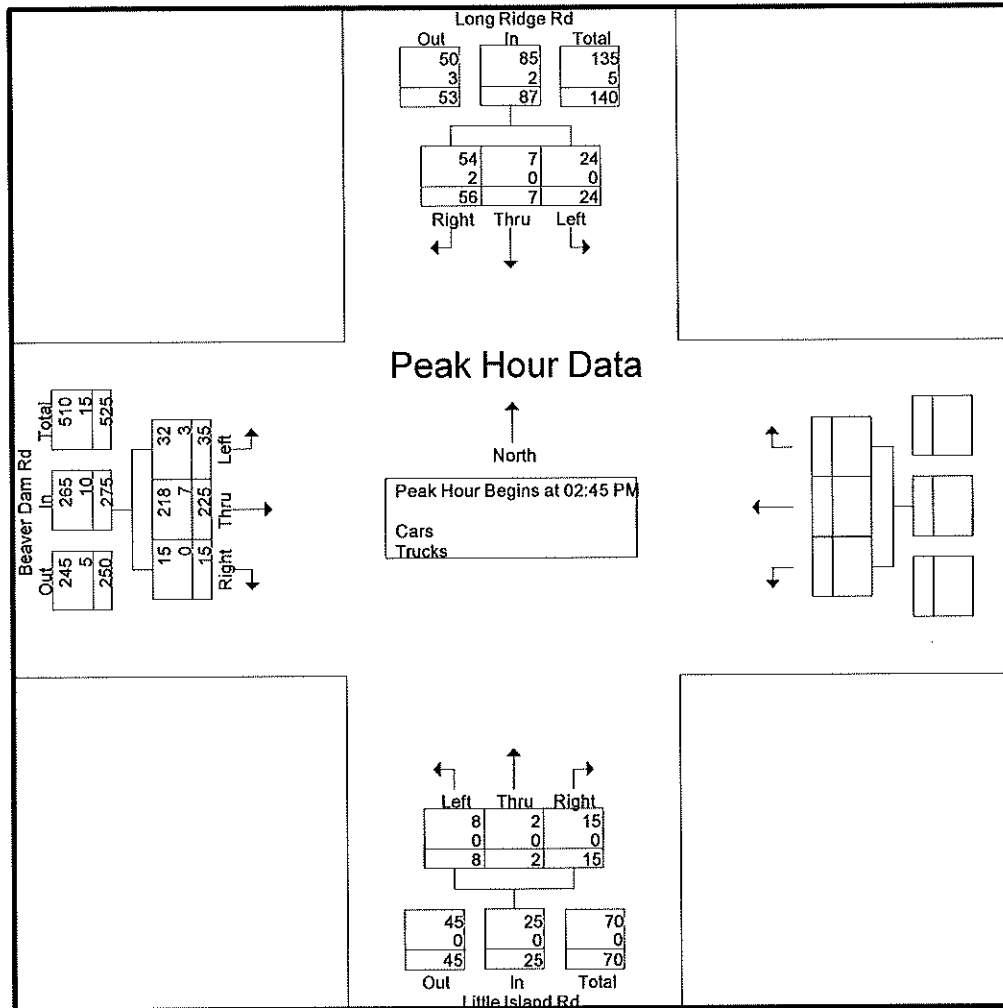
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 02:45 PM

02:45 PM	6	2	14	22	9	45	2	56	4	0	4	8	9	57	3	69	153
03:00 PM	7	1	16	24	5	54	2	61	0	0	4	4	8	64	5	77	166
03:15 PM	4	1	13	18	5	41	6	52	2	1	4	7	9	56	5	70	147
03:30 PM	7	3	13	23	4	46	6	56	2	1	3	6	9	48	2	59	144
Total Volume	24	7	56	87	23	186	16	225	8	2	15	25	35	225	15	275	612
% App. Total	27.6	8	64.4		10.2	82.7	7.1		32	8	60		12.7	81.8	5.5		
PHF	.857	.583	.875	.906	.639	.861	.667	.922	.500	.500	.938	.781	.972	.879	.750	.893	.922
Cars	24	7	54	85	23	183	16	222	8	2	15	25	32	218	15	265	597
% Cars	100	100	96.4	97.7	100	98.4	100	98.7	100	100	100	100	91.4	96.9	100	96.4	97.5
Trucks	0	0	2	2	0	3	0	3	0	0	0	0	3	7	0	10	15
% Trucks	0	0	3.6	2.3	0	1.6	0	1.3	0	0	0	0	8.6	3.1	0	3.6	2.5

Accurate Counts
978-664-2565

File Name : 207300007
Site Code : 2073000 1
Start Date : 10/14/2021
Page No : 7

U/S Street : Long Ridge Rd / Little Island Rd
W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear



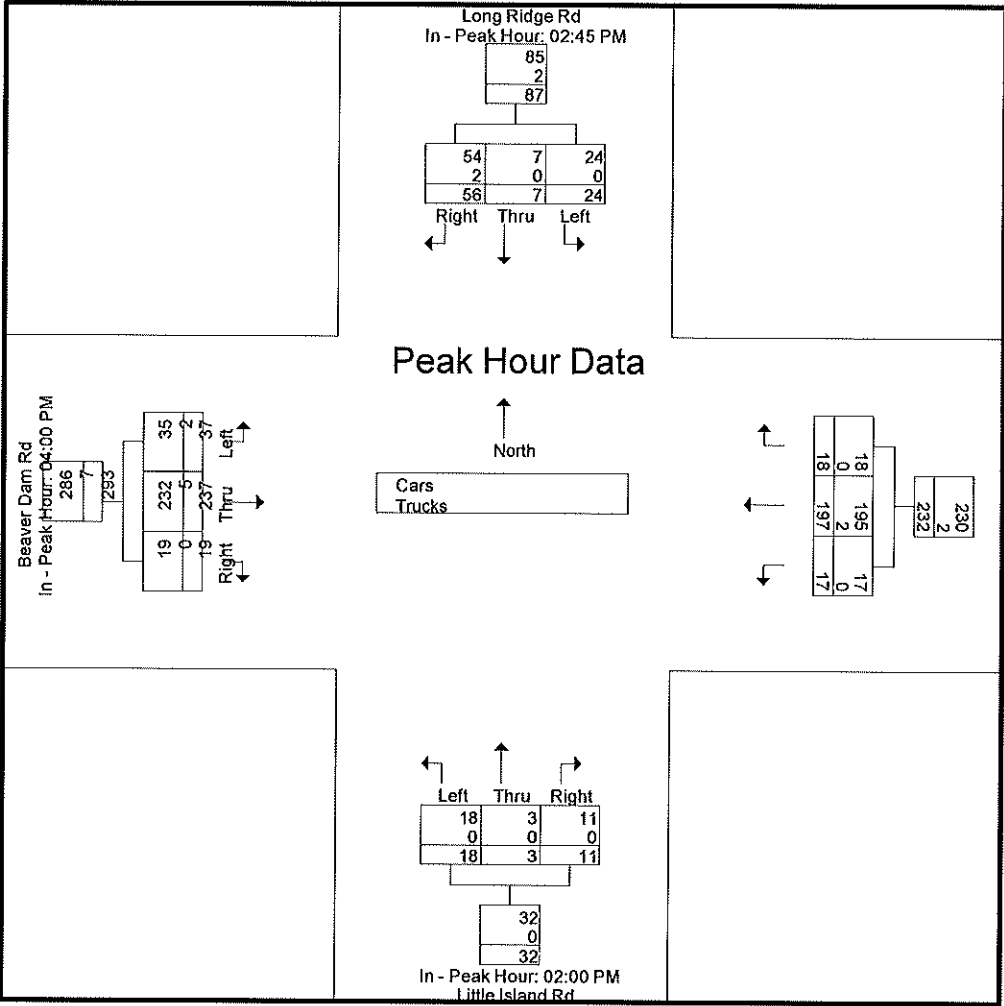
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	02:45 PM				03:00 PM				02:00 PM				04:00 PM			
+0 mins.	6	2	14	22	5	54	2	61	2	1	4	7	8	58	7	73
+15 mins.	7	1	16	24	5	41	6	52	5	1	0	6	7	52	5	64
+30 mins.	4	1	13	18	4	46	6	56	7	1	3	11	10	69	3	82
+45 mins.	7	3	13	23	3	56	4	63	4	0	4	8	12	58	4	74
Total Volume	24	7	56	87	17	197	18	232	18	3	11	32	37	237	19	293
% App. Total	27.6	8	64.4		7.3	84.9	7.8		56.2	9.4	34.4		12.6	80.9	6.5	
PHF	.857	.583	.875	.906	.850	.879	.750	.921	.643	.750	.688	.727	.771	.859	.679	.893
Cars	24	7	54	85	17	195	18	230	18	3	11	32	35	232	19	286
% Cars	100	100	96.4	97.7	100	99	100	99.1	100	100	100	100	94.6	97.9	100	97.6
Trucks	0	0	2	2	0	2	0	2	0	0	0	0	2	5	0	7
% Trucks	0	0	3.6	2.3	0	1	0	0.9	0	0	0	0	5.4	2.1	0	2.4

N/S Street : Long Ridge Rd / Little Island Rd
E/W Street : Beaver Dam Road
City/State : Plymouth, MA
Weather : Clear

File Name : 20730007
Site Code : 20730007
Start Date : 10/14/2021
Page No : 8



SEASONAL ADJUSTMENT FACTOR



1,015

TRAFFIC SIGNAL WARRANT ANALYSIS



Traffic Signal Warrant Analysis Summary - Clark Road at Pinehills Drive
2021 Existing Conditions - Average Month Conditions

Time	Clark Road Volume (Major Street) ^a	Pinehills Drive Volume (Minor Street) ^b	Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
7:00	710	37	No	No	No	No
8:00	740	54	No	No	No	No
9:00	832	51	No	No	No	No
10:00	821	53	No	No	No	No
11:00	823	62	No	No	No	No
12:00	825	63	No	No	No	No
1:00	898	55	No	No	No	No
2:00	996	50	No	No	No	No
3:00	1099	68	No	No	No	No
4:00	1106	64	No	No	No	No
5:00	909	54	No	No	No	No
6:00	762	47	No	No	No	No
Warrant Satisfied?			No	No	No	No

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^fWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^gWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

Traffic Signal Warrant Analysis Summary - Clark Road at Meeting Way
2021 Existing Conditions - Average Month Conditions

Time	Clark Road Volume (Major Street) ^a	Meeting Way Volume (Minor Street) ^b	Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
7:00	638	41	No	No	No	No
8:00	659	44	No	No	No	No
9:00	675	63	No	No	No	No
10:00	676	86	No	No	No	No
11:00	682	84	No	No	No	No
12:00	710	78	No	No	No	No
1:00	776	70	No	No	No	No
2:00	804	87	No	Yes	No	No
3:00	965	83	No	Yes	No	No
4:00	895	101	No	Yes	No	No
5:00	768	82	No	Yes	No	No
6:00	648	43	No	No	No	No
Warrant Satisfied?						
			No	No	No	No

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^fWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^gWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

Traffic Signal Warrant Analysis Summary - Clark Road at Lanmark Drive and Mainstone Boulevard
2021 Existing Conditions - Average Month Conditions

Time	Clark Road Volume (Major Street) ^a	Lanmark Drive Volume (Minor Street) ^b	Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
7:00	589	33	No	No	No	No
8:00	604	42	No	No	No	No
9:00	655	46	No	No	No	No
10:00	612	92	No	No	No	No
11:00	645	87	No	No	No	No
12:00	661	94	No	No	No	No
1:00	699	121	No	No	No	No
2:00	771	90	No	Yes	No	No
3:00	857	140	No	Yes	No	No
4:00	850	119	No	Yes	No	No
5:00	748	102	No	No	No	No
6:00	581	87	No	No	No	No
Warrant Satisfied?			No	No	No	No

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^fWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^gWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

Traffic Signal Warrant Analysis Summary - Clark Road at Fairview Lane
2021 Existing Conditions - Average Month Conditions

Time	Clark Road Volume (Major Street) ^a	Fairview Lane Volume (Minor Street) ^b	Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
7:00	516	51	No	No	No	No
8:00	530	42	No	No	No	No
9:00	608	29	No	No	No	No
10:00	552	28	No	No	No	No
11:00	583	16	No	No	No	No
12:00	605	25	No	No	No	No
1:00	650	16	No	No	No	No
2:00	665	29	No	No	No	No
3:00	748	33	No	No	No	No
4:00	728	34	No	No	No	No
5:00	665	25	No	No	No	No
6:00	499	23	No	No	No	No
Warrant Satisfied?						
			No	No	No	No

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^eWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^fWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

Traffic Signal Warrant Analysis Summary - Beaver Dam Road at Great Island Road
2021 Existing Conditions - Average Month Conditions

Time	Beaver Dam Road		Great Island Road		Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
	Volume (Major Street) ^a	Volume (Minor Street) ^b						
7:00	395	63	No	No	No	No	No	
8:00	376	83	No	No	No	No	No	
9:00	416	120	No	No	No	No	No	
10:00	419	113	No	No	No	No	No	
11:00	484	100	No	No	No	No	No	
12:00	478	99	No	No	No	No	No	
1:00	493	121	No	No	No	No	No	
2:00	584	71	No	No	No	No	No	
3:00	624	92	No	No	No	No	No	
4:00	594	72	No	No	No	No	No	
5:00	551	53	No	No	No	No	No	
6:00	420	36	No	No	No	No	No	
Warrant Satisfied?								
			No	No	No	No	No	

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^eWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^fWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

Traffic Signal Warrant Analysis Summary - Beaver Dam Road at Little Island Road and Long Ridge Road
2021 Existing Conditions - Average Month Conditions

Time	Beaver Dam Road		Long Ridge Road		Warrant 1 Condition A ^c	Warrant 1 Condition B ^d	Warrant 2 ^f	Warrant 3 ^g
	Volume (Major Street) ^a	Volume (Minor Street) ^b	Volume (Major Street) ^a	Volume (Minor Street) ^b				
7:00	333	42			No	No	No	No
8:00	300	66			No	No	No	No
9:00	335	63			No	No	No	No
10:00	325	68			No	No	No	No
11:00	398	59			No	No	No	No
12:00	412	75			No	No	No	No
1:00	396	81			No	No	No	No
2:00	472	72			No	No	No	No
3:00	510	83			No	No	No	No
4:00	508	47			No	No	No	No
5:00	465	49			No	No	No	No
6:00	359	28			No	No	No	No
Warrant Satisfied?					No	No	No	No

^aBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021. Volume includes total of both approaches.

^bBased on 12-hour manual turning movement counts conducted on Thursday, October 14, 2021

^cWarrant 1 Condition A - Eight Hour Vehicular Volume, Minimum Vehicular Volume - satisfied when major street volume > 500 and minor street volume > 150.

^dWarrant 1 Condition B - Eight Hour Vehicular Volume, Interruption of Continuous Traffic - satisfied when major street volume > 750 and minor street volume > 75.

^eWarrant 2 - Four Hour Vehicular Volume - see Figure 4C-1.

^fWarrant 3 - Peak Hour Vehicular Volume - see Figure 4C-3.

