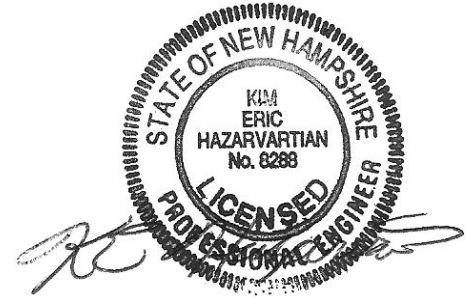


MEMORANDUM

93 Stiles Road, Suite 201, Salem, New Hampshire 03079 USA
800 Turnpike Street, Suite 300, North Andover, Massachusetts 01845 USA
Phone (603) 212-9133 and Fax (603) 226-4108
Email tepp@teppllc.com and Web www.teppllc.com

Ref: 1694
Subject: Traffic-Assessment Memorandum
607 Calef Highway
Barrington, New Hampshire
From: Kim Eric Hazarvartian, Ph.D., P.E., PTOE
Principal
keh@teppllc.com
Date: February 15, 2024



INTRODUCTION

TEPP LLC has prepared this traffic-assessment memorandum (TAM) regarding 607 Calef Highway (New Hampshire Route 125) in the Town of Barrington, New Hampshire.

The site currently includes about 116,000 square feet (sf) of light-industrial floor area. The project adds about 60,250 sf of light industrial floor area.

Existing and proposed site access is via one driveway along the east side of Calef Highway. The driveway is divided, has two exit lanes, and is unsignalized.

This TAM presents calculated trip generation related to the project.

TRIP GENERATION

The Institute of Transportation Engineers (ITE) publishes trip-generation information in the authoritative *Trip Generation Manual*.¹ This information is based on empirical data for a variety of land uses including land use 110, general light industrial, based on floor area²

Table 1 shows calculated weekday vehicle-trips related to the project as:

- daily, 226 (total of in and out)
- AM-street-peak hour, 41 (36 in and 5 out)
- PM-street-peak hour, 16 (2 in and 14 out)

¹ ITE, *Trip Generation Manual*, 11th Edition (Washington DC, September 2021).

² ITE, *Trip Generation Manual*, Volume 3, pages 30 to 46.

Table 1. Calculated trip generation.

	Weekday Vehicle-Trips						
	Daily	AM-Street-Peak Hour			PM-Street-Peak Hour		
		Total	In	Out	Total	In	Out
Existing ^a	487	83	73	10	45	6	39
<u>Proposed^b</u>	<u>713</u>	<u>124</u>	<u>109</u>	<u>15</u>	<u>61</u>	<u>8</u>	<u>53</u>
Difference ^b	226	41	36	5	16	2	14

^a Based on ITE, *Trip Generation Manual*, land use 110, light manufacturing, 116,000-sf floor area.

^b Based on ITE, *Trip Generation Manual*, land use 110, light manufacturing, 176,250-sf floor area.

SUBMITTED FOR NHDOT SCOPING MEETING

NHDOT Driveway Permit

Traffic Impact Study

Preliminary TIA Checklist

Date: March 28, 2024

Town/City: Barrington, New Hampshire

Location – Intersection/Address: 607 Calef Highway (New Hampshire Route 125)

Development: Light-Industrial Development Modification

1. Introduction

Developer: NHBBC LLC

Consultant: Berry Surveying & Engineering

Traffic Engineer: TEPP LLC

2. Overview of Process

The need for and scope of a traffic impact study (driveway permit) shall be determined at a "scoping" meeting attended by the applicant or its representative, the district engineer and other appropriate department personnel. The district engineer shall consider input from all attendees when determining the need for and scope of a traffic impact study. [Driveway Policy](#)

In accordance with the "Policy Relating to Driveways and Access to the State Highway System," section 6(g), a, this Traffic Impact Study scoping meeting has been scheduled for the following proposed development:

3. Presentation of the Project (by Applicant – Site plan, Access, Schools...)

The project site is at 607 Calef Highway in the Town of Barrington, New Hampshire. The site is along the east side of Calef Highway.

The light-industrial floor areas are:

- 116,000 square feet (sf) existing
- 64,929 sf proposed

The existing site driveway intersects the east side of Calef Highway.

The Calef Highway/driveway intersection:

- has a T-configuration
- has Calef Highway as the major north-south street
- has the driveway as the minor east leg
- on Calef Highway southbound, has one travel lane and a widened shoulder, which serves as a left-turn bypass
- on Calef Highway northbound, has one travel lane and a widened shoulder for right turns
- on the driveway westbound approach, has two lanes

NHDOT Driveway Permit

Traffic Impact Study

Preliminary TIA Checklist

- on the driveway eastbound departure, has one wide lane
- on the driveway east leg, has a raised median separating travel directions
- has a STOP sign on the driveway westbound approach
- has illumination along the driveway leg

4. Analysis Periods (*Weekday a.m. & p.m. Midday, PM School*) - peaks, Weekend?

If required, the applicant proposes to analyze the weekday AM-street-peak hour and the weekday PM-street-peak hour.

5. Analysis Years (*Usually opening year and 10 years out*)

If required, the applicant proposes to analyze the years 2025 and 2035.

6. Traffic Data Requirements (*Covid factors, Group, ATR, Sight distance, safety...*)

NOTE - Traffic data collected during the COVID-19 pandemic will need to be adjusted to represent normal (pre-COVID) conditions. The consultant will need to develop a COVID adjustment factor based on a comparison of current vs. pre-pandemic count data.

The applicant has obtained:

- automatic-traffic-recorder data from Wednesday, January 31, through Thursday, February 1, 2024, on Calef Highway near the site, with traffic volumes and speeds
- turning-movement counts (TMCs) on Wednesday, January 31, 2024, from 7:00 to 9:00 AM and from 3:00 to 6:00 PM at the Calef Highway/driveway intersection

If required, the applicant proposed to obtain relevant sight distances for the Calef Highway/driveway intersection

7. Background Growth Rate (*Usually not less than 1%*)

If required, the applicant proposes a one-percent background growth rate.

8. Other Projects/Developments Nearby (*States, RPC, City, Town*)

The applicant is not aware of relevant significant nearby projects or developments.

9. Trip Generation/Composition/Distribution

Weekday trip generation due to the added light manufacturing floor area of 64,929 sf (based on Institute of Transportation Engineers, *Trip Generation Manual*, 11th Edition, land use 110, light manufacturing) is:

- daily, 244 (total of in and out)
- AM-street-peak hour, 44 (39 in and 5 out)

NHDOT Driveway Permit

Traffic Impact Study

Preliminary TIA Checklist

- PM-street-peak hour, 17 (3 in and 14 out)

Review of the TMCs described in item 6 indicates an approximate trip distribution and assignment along Calef Highway of:

- 75 percent to/from the north
- 25 percent to/from the south

10. Study Area Intersections (*Access points, Signalized Intersections, Other?*)

If required, the applicant proposes to study the Calef Highway/driveway intersection.

11. Design Considerations (Turning lanes, Radius, Sight Distance, Queuing, medians...?)

See item 3 for a description of the Calef Highway/driveway intersection.

12. Other Input or Issues

Click or tap here to enter text.

Accurate Counts
978-664-2565

Location : Calef Highway (Rt 125)
Location : South of #607
City/State: Barrington, NH

Site Code: 23017001

1/29/2024 Time	Monday		Tuesday		Wednesday		Thursday		Friday		Weekday Average		Saturday		Sunday	
	NB,	SB,	NB,	SB,	NB,	SB,	NB,	SB,	NB,	SB,	NB,	SB,	NB,	SB,	NB,	SB,
12:00 AM	*	*	*	*	26	10	24	19	*	*	25	14	*	*	*	*
1:00	*	*	*	*	28	12	16	9	*	*	22	10	*	*	*	*
2:00	*	*	*	*	19	19	12	19	*	*	16	19	*	*	*	*
3:00	*	*	*	*	22	35	17	45	*	*	20	40	*	*	*	*
4:00	*	*	*	*	37	133	37	128	*	*	37	130	*	*	*	*
5:00	*	*	*	*	144	264	161	255	*	*	152	260	*	*	*	*
6:00	*	*	*	*	325	559	321	596	*	*	323	578	*	*	*	*
7:00	*	*	*	*	568	775	537	760	*	*	552	768	*	*	*	*
8:00	*	*	*	*	520	635	478	606	*	*	499	620	*	*	*	*
9:00	*	*	*	*	380	389	358	415	*	*	369	402	*	*	*	*
10:00	*	*	*	*	325	372	341	357	*	*	333	364	*	*	*	*
11:00	*	*	*	*	373	419	407	387	*	*	390	403	*	*	*	*
12:00 PM	*	*	*	*	411	436	408	399	*	*	410	418	*	*	*	*
1:00	*	*	*	*	431	424	460	430	*	*	446	427	*	*	*	*
2:00	*	*	*	*	529	498	497	539	*	*	513	518	*	*	*	*
3:00	*	*	*	*	713	648	638	600	*	*	676	624	*	*	*	*
4:00	*	*	*	*	820	635	860	600	*	*	840	618	*	*	*	*
5:00	*	*	*	*	750	540	705	523	*	*	728	532	*	*	*	*
6:00	*	*	*	*	448	305	435	298	*	*	442	302	*	*	*	*
7:00	*	*	*	*	267	169	245	190	*	*	256	180	*	*	*	*
8:00	*	*	*	*	162	191	201	158	*	*	182	174	*	*	*	*
9:00	*	*	*	*	129	93	138	112	*	*	134	102	*	*	*	*
10:00	*	*	*	*	108	62	86	71	*	*	97	66	*	*	*	*
11:00	*	*	*	*	48	32	62	44	*	*	55	38	*	*	*	*
Total	0	0	0	0	7583	7655	7444	7560	0	0	7517	7607	0	0	0	0
Day	0		0		15238		15004		0		15124		0		0	
AM Peak Volume					7:00 568	7:00 775	7:00 537	7:00 760			7:00 552	7:00 768				
PM Peak Volume					4:00 820	3:00 648	4:00 860	3:00 600			4:00 840	3:00 624				
Comb Total ADT	0 ADT: 15,121		0 AADT: 15,121		15238		15004		0		15124		0		0	

Accurate Counts
978-664-2565

Location : Calef Highway (Rt 125)
 Location : South of #607
 City/State: Barrington, NH
 Direction: NB,

Site Code: 23017001

1/31/2024	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	4	7	5	5	3	2	0	0	0	26
1:00	0	0	0	0	0	11	5	4	5	2	1	0	0	28
2:00	0	0	0	0	2	3	6	6	2	0	0	0	0	19
3:00	0	0	0	0	1	6	7	4	2	2	0	0	0	22
4:00	0	0	0	0	2	8	10	7	6	4	0	0	0	37
5:00	0	0	0	0	3	15	38	41	35	10	2	0	0	144
6:00	0	0	0	0	5	24	84	111	84	15	2	0	0	325
7:00	0	0	0	1	15	27	162	244	100	19	0	0	0	568
8:00	0	0	0	0	6	45	156	220	74	18	1	0	0	520
9:00	0	0	0	2	10	30	91	128	92	23	2	2	0	380
10:00	0	0	0	0	4	28	85	97	83	26	1	1	0	325
11:00	0	0	0	0	5	27	95	150	80	15	1	0	0	373
12:00 PM	0	0	0	0	4	38	109	154	91	12	2	1	0	411
1:00	0	0	0	0	2	34	114	188	80	11	2	0	0	431
2:00	0	0	0	0	2	51	154	190	105	26	1	0	0	529
3:00	0	0	1	8	15	117	232	232	97	10	1	0	0	713
4:00	0	0	0	0	1	69	308	341	91	9	1	0	0	820
5:00	0	0	0	0	6	124	273	279	63	5	0	0	0	750
6:00	0	0	0	0	2	78	149	133	72	9	3	1	1	448
7:00	0	0	0	0	2	34	86	96	36	13	0	0	0	267
8:00	0	0	0	0	5	24	41	48	39	5	0	0	0	162
9:00	0	0	0	1	4	8	27	51	30	8	0	0	0	129
10:00	0	0	0	2	5	22	23	30	20	5	1	0	0	108
11:00	0	0	0	0	1	11	20	8	7	1	0	0	0	48
Total	0	0	1	14	106	841	2280	2767	1297	250	21	5	1	7583

Percentile	15th	50th	85th	95th
Speed	40	45	50	53
Mean Speed (Average)	46.4			
10 MPH Pace Speed	41-50			
Number in Pace	5047			
Percent in Pace	67.0%			
Number > 50 MPH	1574			
Percent > 50 MPH	20.8%			

Accurate Counts
978-664-2565

Location : Calef Highway (Rt 125)
 Location : South of #607
 City/State: Barrington, NH
 Direction: NB,

Site Code: 23017001

2/1/2024 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	4	4	5	4	7	0	0	0	0	24
1:00	0	0	0	0	3	0	8	2	2	1	0	0	0	16
2:00	0	0	0	0	0	5	3	1	3	0	0	0	0	12
3:00	0	0	0	0	2	7	5	2	1	0	0	0	0	17
4:00	0	0	0	0	3	5	6	11	9	3	0	0	0	37
5:00	0	0	0	1	6	16	38	47	42	9	1	1	0	161
6:00	0	0	0	0	4	22	72	128	71	22	2	0	0	321
7:00	0	0	0	0	25	39	120	210	118	21	3	1	0	537
8:00	0	0	0	0	5	34	129	195	93	20	2	0	0	478
9:00	0	0	0	2	9	29	74	140	84	19	1	0	0	358
10:00	0	0	0	1	6	27	49	132	97	25	4	0	0	341
11:00	0	0	0	2	3	31	104	149	93	25	0	0	0	407
12:00 PM	0	0	0	0	8	37	103	157	92	10	1	0	0	408
1:00	0	0	0	0	19	45	126	172	77	19	2	0	0	460
2:00	0	0	0	1	7	53	114	187	117	16	2	0	0	497
3:00	0	0	0	0	9	52	191	259	111	15	1	0	0	638
4:00	0	0	0	0	5	96	298	342	107	11	1	0	0	860
5:00	0	0	0	7	26	74	238	275	74	11	0	0	0	705
6:00	0	0	0	0	2	38	129	183	78	4	1	0	0	435
7:00	0	0	0	0	3	23	80	79	49	10	1	0	0	245
8:00	0	0	0	0	5	16	41	67	61	10	1	0	0	201
9:00	0	0	0	0	1	13	38	43	33	8	1	1	0	138
10:00	0	0	0	0	1	9	20	26	24	6	0	0	0	86
11:00	0	0	0	0	4	15	17	13	10	3	0	0	0	62
Total	0	0	0	14	160	690	2008	2824	1453	268	24	3	0	7444

Percentile	15th	50th	85th	95th
Speed	40	46	51	54
Mean Speed (Average)	46.7			
10 MPH Pace Speed	41-50			
Number in Pace	4756			
Percent in Pace	65.0%			
Number > 50 MPH	1748			
Percent > 50 MPH	23.5%			

Grand Total	0	0	1	28	266	1531	4288	5591	2750	518	45	8	1	15027
Percentile				15th	50th	85th	95th							
Speed				40	45	51	53							
Mean Speed (Average)				46.6										
10 MPH Pace Speed				41-50										
Number in Pace				9849										
Percent in Pace				66.0%										
Number > 50 MPH				3322										
Percent > 50 MPH				22.1%										

Accurate Counts
978-664-2565

Location : Calef Highway (Rt 125)
 Location : South of #607
 City/State: Barrington, NH
 Direction: SB,

Site Code: 23017001

1/31/2024	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	0	0	0	0	0	0	5	4	1	0	0	0	10
1:00	0	0	0	0	0	1	2	6	2	1	0	0	0	12
2:00	0	0	0	0	1	2	5	6	4	1	0	0	0	19
3:00	0	0	0	0	0	0	5	8	20	1	1	0	0	35
4:00	0	0	0	0	0	1	6	37	63	22	4	0	0	133
5:00	0	0	0	0	1	3	18	96	97	40	8	1	0	264
6:00	0	0	0	0	0	20	85	264	147	37	6	0	0	559
7:00	0	0	0	0	2	21	179	310	209	42	11	1	0	775
8:00	0	0	0	0	1	11	102	264	185	59	11	2	0	635
9:00	0	0	0	0	1	2	34	131	154	55	10	2	0	389
10:00	0	0	0	0	0	0	33	119	158	56	6	0	0	372
11:00	0	0	0	0	1	12	56	152	144	45	9	0	0	419
12:00 PM	0	0	0	0	0	2	54	152	171	54	3	0	0	436
1:00	0	0	0	0	0	3	50	143	186	33	8	1	0	424
2:00	0	0	0	0	0	4	80	208	156	43	7	0	0	498
3:00	0	2	1	1	4	29	119	230	203	52	4	3	0	648
4:00	0	0	0	0	1	4	78	281	211	56	4	0	0	635
5:00	0	0	0	0	3	11	84	255	150	32	4	1	0	540
6:00	0	0	0	0	1	5	46	123	108	19	3	0	0	305
7:00	0	0	0	0	0	8	26	54	67	12	2	0	0	169
8:00	0	0	0	0	2	4	22	95	49	16	2	1	0	191
9:00	0	0	0	0	0	2	17	35	28	8	3	0	0	93
10:00	0	0	0	0	0	4	4	28	20	6	0	0	0	62
11:00	0	0	0	0	0	3	6	11	8	4	0	0	0	32
Total	0	2	1	1	18	152	1111	3013	2544	695	106	12	0	7655

Percentile	15th	50th	85th	95th
Speed	44	48	53	56
Mean Speed (Average)	49.8			
10 MPH Pace Speed	46-55			
Number in Pace	5557			
Percent in Pace	73.0%			
Number > 50 MPH	3357			
Percent > 50 MPH	43.9%			

Accurate Counts
978-664-2565

Location : Calef Highway (Rt 125)
Location : South of #607
City/State: Barrington, NH
Direction: SB,

Site Code: 23017001

2/1/2024 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	0	1	3	1	7	6	0	1	0	0	19
1:00	0	0	0	0	0	0	2	4	3	0	0	0	0	9
2:00	0	0	0	0	0	0	2	7	8	1	1	0	0	19
3:00	0	0	0	0	0	2	5	17	13	8	0	0	0	45
4:00	0	0	0	0	0	0	8	34	64	16	6	0	0	128
5:00	0	0	0	0	0	0	18	83	105	40	8	1	0	255
6:00	0	0	0	2	6	30	139	219	141	48	10	0	1	596
7:00	0	0	0	0	0	8	141	326	205	64	11	4	1	760
8:00	0	0	0	0	0	24	60	230	222	55	14	1	0	606
9:00	0	0	0	0	0	4	18	155	171	57	8	1	1	415
10:00	0	0	0	0	0	7	27	134	132	48	9	0	0	357
11:00	0	0	0	0	2	7	46	122	158	45	7	0	0	387
12:00 PM	0	0	0	0	1	7	47	161	131	48	4	0	0	399
1:00	0	0	0	0	0	14	35	200	135	41	4	0	1	430
2:00	0	0	0	0	0	3	83	239	164	46	3	0	1	539
3:00	0	0	0	0	1	16	66	231	227	48	8	3	0	600
4:00	0	0	0	0	0	7	87	221	216	60	9	0	0	600
5:00	0	0	0	0	0	14	84	239	150	34	2	0	0	523
6:00	0	0	0	0	2	8	74	128	75	10	0	1	0	298
7:00	0	0	0	0	0	6	24	86	55	17	1	0	1	190
8:00	0	0	0	0	0	3	25	66	42	18	3	0	1	158
9:00	0	0	0	0	0	4	19	48	29	7	2	0	3	112
10:00	0	0	0	0	3	2	7	31	17	8	3	0	0	71
11:00	0	0	0	0	0	4	8	16	10	5	0	1	0	44
Total	0	0	0	2	16	173	1026	3004	2479	724	114	12	10	7560

Percentile	15th	50th	85th	95th
Speed	44	48	53	56
Mean Speed (Average)	49.9			
10 MPH Pace Speed	46-55			
Number in Pace	5409			
Percent in Pace	73.0%			
Number > 50 MPH	3339			
Percent > 50 MPH	44.2%			

Grand Total	0	2	1	3	34	325	2137	6017	5023	1419	220	24	10	15215
Percentile					15th	50th	85th	95th						
Speed					44	48	53	56						
Mean Speed (Average)					49.9									
10 MPH Pace Speed					46-55									
Number in Pace					11014									
Percent in Pace					73.0%									
Number > 50 MPH					6696									
Percent > 50 MPH					44.0%									

Accurate Counts

978-664-2565

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy

File Name : 16940001
 Site Code : 16940001
 Start Date : 1/31/2024
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Calef Highway From North		607 Calef Highway From East		Calef Highway From South		Int. Total
	Left	Thru	Left	Right	Thru	Right	
07:00 AM	12	171	1	9	140	3	336
07:15 AM	13	192	1	4	126	6	342
07:30 AM	18	196	0	2	122	6	344
07:45 AM	9	199	1	2	158	6	375
Total	52	758	3	17	546	21	1397
08:00 AM	9	170	1	3	148	7	338
08:15 AM	10	161	0	4	129	3	307
08:30 AM	9	162	0	6	124	4	305
08:45 AM	6	147	0	3	108	2	266
Total	34	640	1	16	509	16	1216
Grand Total	86	1398	4	33	1055	37	2613
Apprch %	5.8	94.2	10.8	89.2	96.6	3.4	
Total %	3.3	53.5	0.2	1.3	40.4	1.4	
Cars	84	1336	3	31	1007	36	2497
% Cars	97.7	95.6	75	93.9	95.5	97.3	95.6
Trucks	2	62	1	2	48	1	116
% Trucks	2.3	4.4	25	6.1	4.5	2.7	4.4

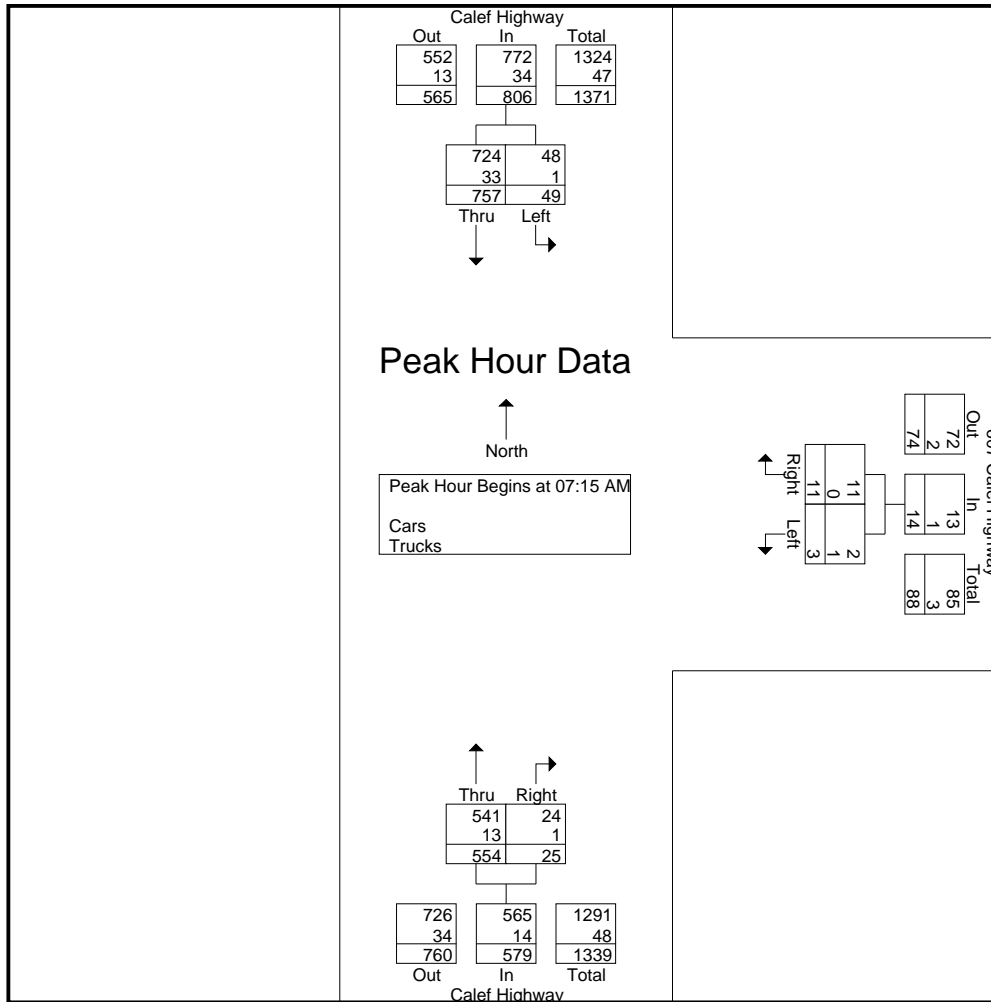
Start Time	Calef Highway From North			607 Calef Highway From East			Calef Highway From South			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:15 AM										
07:15 AM	13	192	205	1	4	5	126	6	132	342
07:30 AM	18	196	214	0	2	2	122	6	128	344
07:45 AM	9	199	208	1	2	3	158	6	164	375
08:00 AM	9	170	179	1	3	4	148	7	155	338
Total Volume	49	757	806	3	11	14	554	25	579	1399
% App. Total	6.1	93.9		21.4	78.6		95.7	4.3		
PHF	.681	.951	.942	.750	.688	.700	.877	.893	.883	.933
Cars	48	724	772	2	11	13	541	24	565	1350
% Cars	98.0	95.6	95.8	66.7	100	92.9	97.7	96.0	97.6	96.5
Trucks	1	33	34	1	0	1	13	1	14	49
% Trucks	2.0	4.4	4.2	33.3	0	7.1	2.3	4.0	2.4	3.5

Accurate Counts

978-664-2565

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy

File Name : 16940001
 Site Code : 16940001
 Start Date : 1/31/2024
 Page No : 2



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

Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:15 AM		
+0 mins.	12	171	183	1	9	10	126	6	132
+15 mins.	13	192	205	1	4	5	122	6	128
+30 mins.	18	196	214	0	2	2	158	6	164
+45 mins.	9	199	208	1	2	3	148	7	155
Total Volume	52	758	810	3	17	20	554	25	579
% App. Total	6.4	93.6		15	85		95.7	4.3	
PHF	.722	.952	.946	.750	.472	.500	.877	.893	.883
Cars	50	725	775	2	17	19	541	24	565
% Cars	96.2	95.6	95.7	66.7	100	95	97.7	96	97.6
Trucks	2	33	35	1	0	1	13	1	14
% Trucks	3.8	4.4	4.3	33.3	0	5	2.3	4	2.4

Accurate Counts

978-664-2565

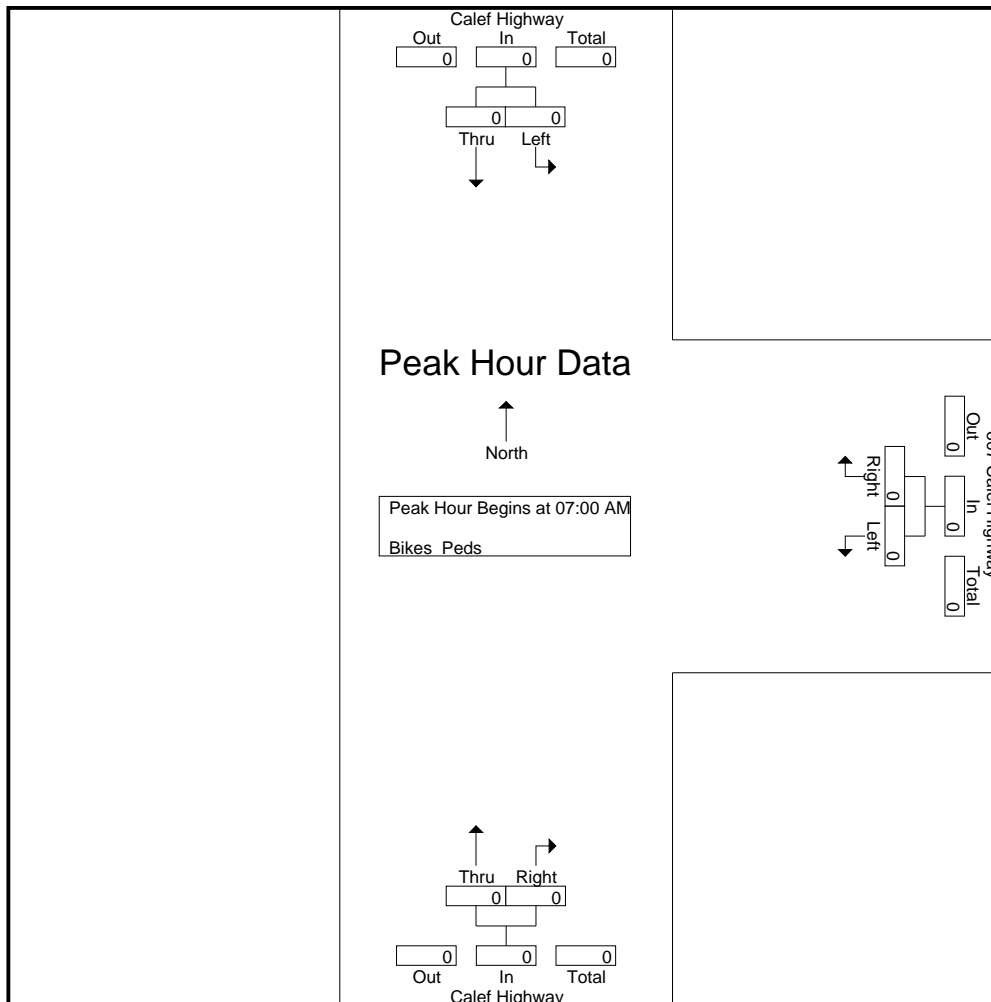
File Name : 16940001

Site Code : 16940001

Start Date : 1/31/2024

Page No : 11

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy



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

Peak Hour for Each Approach Begins at:

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

Accurate Counts

978-664-2565

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy

File Name : 16940001
 Site Code : 16940001
 Start Date : 1/31/2024
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Calef Highway From North		607 Calef Highway From East		Calef Highway From South		Int. Total
	Left	Thru	Left	Right	Thru	Right	
03:00 PM	11	164	1	31	166	3	376
03:15 PM	5	173	1	26	170	0	375
03:30 PM	4	133	5	26	179	0	347
03:45 PM	3	164	2	13	196	1	379
Total	23	634	9	96	711	4	1477
04:00 PM	1	124	8	25	180	0	338
04:15 PM	0	176	1	13	209	0	399
04:30 PM	1	157	2	11	231	0	402
04:45 PM	2	165	1	9	192	1	370
Total	4	622	12	58	812	1	1509
05:00 PM	0	164	3	12	212	1	392
05:15 PM	0	131	6	7	185	0	329
05:30 PM	1	128	2	2	181	0	314
05:45 PM	0	113	0	5	170	0	288
Total	1	536	11	26	748	1	1323
Grand Total	28	1792	32	180	2271	6	4309
Apprch %	1.5	98.5	15.1	84.9	99.7	0.3	
Total %	0.6	41.6	0.7	4.2	52.7	0.1	
Cars	26	1751	31	178	2237	5	4228
% Cars	92.9	97.7	96.9	98.9	98.5	83.3	98.1
Trucks	2	41	1	2	34	1	81
% Trucks	7.1	2.3	3.1	1.1	1.5	16.7	1.9

Start Time	Calef Highway From North			607 Calef Highway From East			Calef Highway From South			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	176	176	1	13	14	209	0	209	399
04:30 PM	1	157	158	2	11	13	231	0	231	402
04:45 PM	2	165	167	1	9	10	192	1	193	370
05:00 PM	0	164	164	3	12	15	212	1	213	392
Total Volume	3	662	665	7	45	52	844	2	846	1563
% App. Total	0.5	99.5		13.5	86.5		99.8	0.2		
PHF	.375	.940	.945	.583	.865	.867	.913	.500	.916	.972
Cars	3	653	656	7	45	52	838	2	840	1548
% Cars	100	98.6	98.6	100	100	100	99.3	100	99.3	99.0
Trucks	0	9	9	0	0	0	6	0	6	15
% Trucks	0	1.4	1.4	0	0	0	0.7	0	0.7	1.0

Accurate Counts

978-664-2565

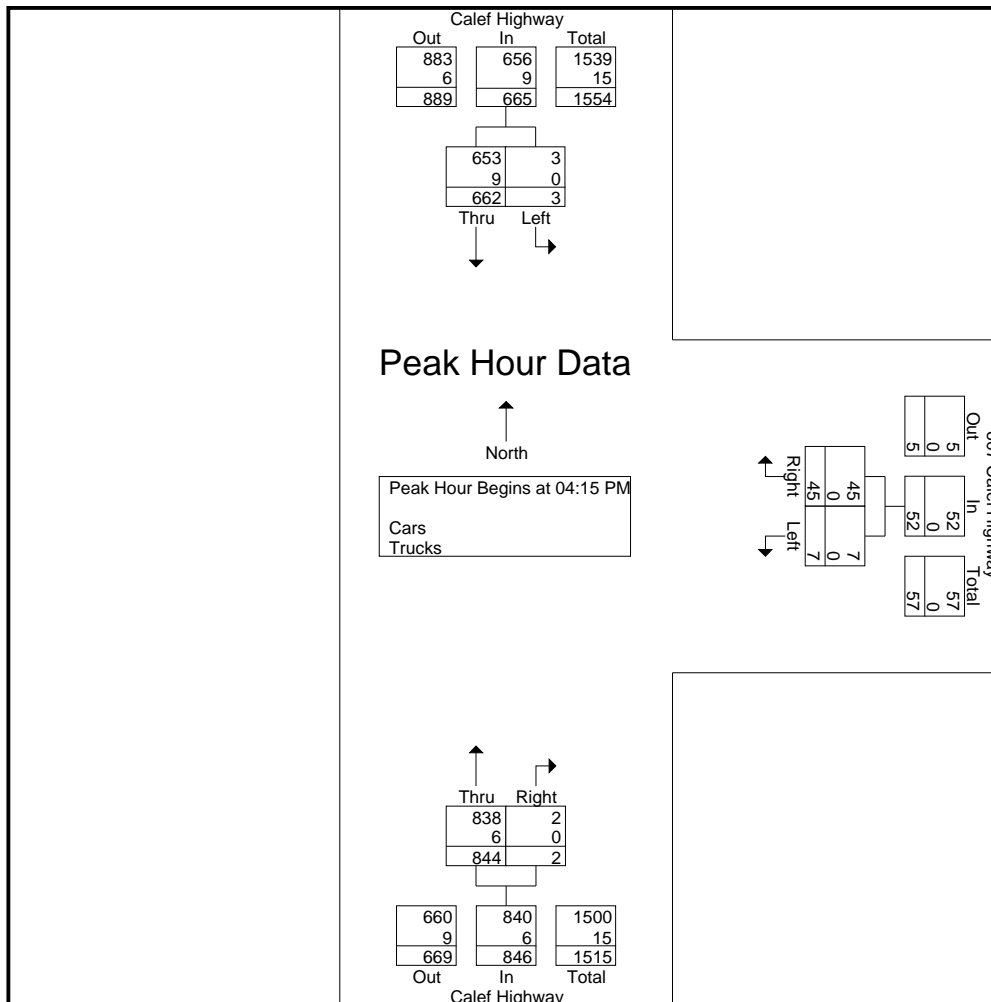
File Name : 16940001

Site Code : 16940001

Start Date : 1/31/2024

Page No : 2

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy



Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:15 PM			03:15 PM			04:15 PM		
+0 mins.	0	176	176	1	26	27	209	0	209
+15 mins.	1	157	158	5	26	31	231	0	231
+30 mins.	2	165	167	2	13	15	192	1	193
+45 mins.	0	164	164	8	25	33	212	1	213
Total Volume	3	662	665	16	90	106	844	2	846
% App. Total	0.5	99.5		15.1	84.9		99.8	0.2	
PHF	.375	.940	.945	.500	.865	.803	.913	.500	.916
Cars	3	653	656	15	88	103	838	2	840
% Cars	100	98.6	98.6	93.8	97.8	97.2	99.3	100	99.3
Trucks	0	9	9	1	2	3	6	0	6
% Trucks	0	1.4	1.4	6.2	2.2	2.8	0.7	0	0.7

Accurate Counts

978-664-2565

N/S Street : Calef Highway
 E/W Street : 607 Calef Highway
 City/State : Barrington, NH
 Weather : Cloudy

File Name : 16940001
 Site Code : 16940001
 Start Date : 1/31/2024
 Page No : 10

Groups Printed- Bikes Peds

Start Time	Calef Highway From North			607 Calef Highway From East			Calef Highway From South			Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds			
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0	0	0	0	0	0
Apprch %	0	0		0	0		0	0				
Total %										0	0	

Start Time	Calef Highway From North			607 Calef Highway From East			Calef Highway From South			Int. Total
	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 03:00 PM										
03:00 PM	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	0	0
% App. Total	0	0		0	0		0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

