

APPENDIX

Traffic Count Data

Seasonal Adjustment/COVID-19 Worksheets

Crash Data and Worksheets

Bus Route Data

Coastal Trails Map

Background Project Worksheets

Trip Generation Worksheets

Trip Distribution Worksheets

Capacity Analysis Worksheets

Sight Distance Worksheets

Traffic Count Data

Accurate Counts
978-664-2565

Page 1

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860VL01

Start Time	2/24/2021 Wed	SB		Hour Totals		NB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		2	105			3	107				
12:15		4	101			5	111				
12:30		1	96			5	86				
12:45		1	105	8	407	3	131	16	435	24	842
01:00		4	111			2	90				
01:15		3	103			3	88				
01:30		0	93			1	98				
01:45		1	110	8	417	2	108	8	384	16	801
02:00		2	83			1	86				
02:15		1	118			2	101				
02:30		1	111			1	122				
02:45		3	117	7	429	3	119	7	428	14	857
03:00		0	120			1	125				
03:15		4	138			3	99				
03:30		5	117			3	123				
03:45		2	119	11	494	2	118	9	465	20	959
04:00		5	94			5	112				
04:15		2	134			7	123				
04:30		17	90			5	115				
04:45		11	108	35	426	7	119	24	469	59	895
05:00		12	99			9	122				
05:15		19	92			12	113				
05:30		18	92			15	81				
05:45		24	86	73	369	16	98	52	414	125	783
06:00		30	77			14	91				
06:15		31	58			24	65				
06:30		52	68			33	55				
06:45		54	53	167	256	42	55	113	266	280	522
07:00		54	45			45	42				
07:15		73	50			39	39				
07:30		63	44			66	38				
07:45		86	38	276	177	66	27	216	146	492	323
08:00		79	30			107	24				
08:15		83	27			75	18				
08:30		89	36			69	27				
08:45		63	38	314	131	61	42	312	111	626	242
09:00		68	22			72	29				
09:15		53	26			63	18				
09:30		77	12			70	15				
09:45		70	17	268	77	72	16	277	78	545	155
10:00		76	13			73	14				
10:15		93	9			89	8				
10:30		78	9			84	8				
10:45		85	4	332	35	102	3	348	33	680	68
11:00		78	4			82	10				
11:15		95	5			55	3				
11:30		83	8			82	4				
11:45		102	1	358	18	101	4	320	21	678	39
Total		1857	3236			1702	3250			3559	6486
Percent		36.5%	63.5%			34.4%	65.6%			35.4%	64.6%

Accurate Counts
978-664-2565

Page 2

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860VL01

Start Time	2/25/2021 Thu	SB		Hour Totals		NB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		5	97			5	104				
12:15		3	103			2	113				
12:30		3	99			3	87				
12:45		3	103	14	402	1	97	11	401	25	803
01:00		2	108			2	101				
01:15		2	107			1	109				
01:30		4	82			1	98				
01:45		3	111	11	408	9	86	13	394	24	802
02:00		1	88			1	92				
02:15		1	95			0	100				
02:30		2	92			1	131				
02:45		4	122	8	397	1	97	3	420	11	817
03:00		2	120			3	115				
03:15		3	98			7	132				
03:30		4	108			0	111				
03:45		4	103	13	429	4	118	14	476	27	905
04:00		4	107			5	117				
04:15		2	120			6	125				
04:30		14	120			9	112				
04:45		12	84	32	431	7	102	27	456	59	887
05:00		15	87			7	135				
05:15		13	97			14	99				
05:30		26	86			14	103				
05:45		30	86	84	356	14	101	49	438	133	794
06:00		28	77			18	71				
06:15		33	75			26	67				
06:30		49	63			45	56				
06:45		49	69	159	284	41	43	130	237	289	521
07:00		68	48			60	51				
07:15		59	42			54	29				
07:30		88	40			43	31				
07:45		86	33	301	163	65	34	222	145	523	308
08:00		72	42			70	46				
08:15		98	24			87	31				
08:30		82	32			72	30				
08:45		65	20	317	118	81	20	310	127	627	245
09:00		72	12			74	23				
09:15		69	26			73	19				
09:30		85	16			68	11				
09:45		75	15	301	69	81	7	296	60	597	129
10:00		57	17			84	17				
10:15		88	12			65	7				
10:30		78	11			74	12				
10:45		91	5	314	45	93	5	316	41	630	86
11:00		85	8			93	7				
11:15		95	10			93	5				
11:30		99	5			97	5				
11:45		85	2	364	25	81	7	364	24	728	49
Total		1918	3127			1755	3219			3673	6346
Percent		38.0%	62.0%			35.3%	64.7%			36.7%	63.3%
Grand Total		3775	6363			3457	6469			7232	12832
Percent		37.2%	62.8%			34.8%	65.2%			36.0%	64.0%
ADT	ADT 10,032		AADT 10,032								

[illegible]

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

SB

Start Time	1	15	16	20	21	25	26	30	31	35	40	41	45	50	51	55	60	61	65	70	71	76	Total
02/24/21	0	0	0	0	0	0	4	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	8
01:00	0	0	1	0	0	0	1	1	5	0	0	1	0	0	0	0	0	0	0	0	0	0	8
02:00	0	0	0	0	0	0	4	4	1	1	2	0	0	0	0	0	0	0	0	0	0	0	7
03:00	1	0	0	0	1	1	3	3	3	3	2	0	0	1	0	0	0	0	0	0	0	0	11
04:00	0	0	1	0	4	4	11	11	12	12	6	1	1	0	0	0	0	0	0	0	0	0	35
05:00	0	0	0	0	11	11	24	24	32	32	5	1	0	0	0	0	0	0	0	0	0	0	73
06:00	0	0	0	0	21	21	33	33	86	86	24	3	0	0	0	0	0	0	0	0	0	0	167
07:00	0	0	2	2	10	10	78	78	141	141	45	0	0	0	0	0	0	0	0	0	0	0	276
08:00	5	1	2	1	11	11	76	76	167	167	46	7	1	1	0	0	0	0	0	0	0	0	314
09:00	1	2	1	1	16	16	90	90	121	121	37	1	0	0	0	0	0	0	0	0	0	0	268
10:00	2	1	1	1	17	17	105	105	172	172	28	7	0	0	0	0	0	0	0	0	0	0	332
11:00	3	1	1	1	17	17	135	135	149	149	46	6	0	0	1	0	0	0	0	0	0	0	358
12 PM	1	3	3	3	33	33	169	169	172	172	27	1	1	1	0	0	0	0	0	0	0	0	407
13:00	1	2	2	2	21	21	148	148	202	202	40	2	2	1	0	0	0	0	0	0	0	0	417
14:00	1	0	0	0	22	22	153	153	201	201	51	1	0	0	0	0	0	0	0	0	0	0	429
15:00	1	9	9	9	59	59	163	163	208	208	52	1	1	1	0	0	0	0	0	0	0	0	494
16:00	0	0	0	0	21	21	124	124	232	232	47	1	0	1	0	0	0	0	0	0	0	0	426
17:00	0	1	1	1	13	13	125	125	185	185	45	0	0	0	0	0	0	0	0	0	0	0	369
18:00	0	1	1	1	15	15	105	105	121	121	13	1	1	0	0	0	0	0	0	0	0	0	256
19:00	0	0	0	0	9	9	54	54	95	95	17	2	2	0	0	0	0	0	0	0	0	0	177
20:00	0	0	2	2	3	3	46	46	60	60	18	0	0	0	1	0	0	0	0	0	0	0	131
21:00	0	0	0	0	7	7	26	26	34	34	9	0	0	0	0	0	1	0	0	0	0	0	77
22:00	0	0	0	0	2	2	9	9	18	18	4	2	0	0	0	0	0	0	0	0	0	0	35
23:00	0	0	0	0	0	0	4	4	14	14	0	0	0	0	0	0	0	0	0	0	0	0	18
Total	16	27	313	1690	2433	566	39	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	5093

Daily

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 34 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 4123
Percent in Pace : 81.0%
Number of Vehicles > 30 MPH : 3047
Percent of Vehicles > 30 MPH : 59.8%

Accurate Counts
978-664-2565

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/25/21	0	0	0	7	5	2	0	0	0	0	0	0	0	0	14
01:00	0	1	1	0	6	2	0	0	0	0	0	0	0	0	11
02:00	0	0	0	2	4	2	0	0	0	0	0	0	0	0	8
03:00	1	0	1	7	3	1	0	0	0	0	0	0	0	0	13
04:00	0	2	6	13	10	1	0	0	0	0	0	0	0	0	32
05:00	0	1	8	29	36	10	0	0	0	0	0	0	0	0	84
06:00	1	2	15	48	66	25	1	1	0	0	0	0	0	0	159
07:00	0	2	17	77	147	49	9	0	0	0	0	0	0	0	301
08:00	2	1	22	99	152	39	2	0	0	0	0	0	0	0	317
09:00	1	3	18	84	161	31	3	0	0	0	0	0	0	0	301
10:00	0	2	19	91	154	44	4	0	0	0	0	0	0	0	314
11:00	1	0	35	112	162	52	2	0	0	0	0	0	0	0	364
12 PM	0	0	14	127	203	58	0	0	0	0	0	0	0	0	402
13:00	0	8	22	143	204	30	1	0	0	0	0	0	0	0	408
14:00	0	1	7	112	203	71	3	0	0	0	0	0	0	0	397
15:00	1	1	13	106	231	74	3	0	0	0	0	0	0	0	429
16:00	0	3	17	130	219	59	3	0	0	0	0	0	0	0	431
17:00	0	0	8	114	176	53	5	0	0	0	0	0	0	0	356
18:00	1	2	16	100	142	20	2	1	0	0	0	0	0	0	284
19:00	0	0	7	53	82	20	1	0	0	0	0	0	0	0	163
20:00	0	1	9	41	55	11	1	0	0	0	0	0	0	0	118
21:00	0	1	7	23	27	11	0	0	0	0	0	0	0	0	69
22:00	0	0	4	12	19	9	1	0	0	0	0	0	0	0	45
23:00	0	0	2	6	13	2	2	0	0	0	0	0	0	0	25
Total	8	31	268	1537	2480	676	43	2	0	0	0	0	0	0	5045

Daily

15th Percentile : 26 MPH

50th Percentile : 31 MPH

85th Percentile : 34 MPH

95th Percentile : 38 MPH

Mean Speed(Average) : 32 MPH

10 MPH Pace Speed : 26-35 MPH

Number in Pace : 4017

Percent in Pace : 79.6%

Number of Vehicles > 30 MPH : 3201

Percent of Vehicles > 30 MPH : 63.4%

Grand Total	24	58	581	3227	4913	1242	82	8	2	1	0	0	0	0	10138
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Overall

15th Percentile : 26 MPH

50th Percentile : 31 MPH

85th Percentile : 34 MPH

95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH

10 MPH Pace Speed : 26-35 MPH

Number in Pace : 8140

Percent in Pace : 80.3%

Number of Vehicles > 30 MPH : 6248

Percent of Vehicles > 30 MPH : 61.6%

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

NB

Start Time	1	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	70	71	75	76	Total
02/24/21	0	0	0	0	0	0	6	6	3	3	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	16
01:00	0	0	0	0	0	0	2	2	4	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
02:00	0	0	0	0	2	2	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
03:00	0	0	0	0	0	0	2	2	4	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
04:00	2	0	0	0	0	0	5	5	8	8	6	6	2	0	1	0	0	0	0	0	0	0	0	0	0	0	24
05:00	0	0	0	0	0	0	14	14	15	15	17	17	5	2	0	0	0	0	0	0	0	0	0	0	0	0	52
06:00	1	0	0	0	0	0	12	12	45	45	39	39	14	0	2	0	0	0	0	0	0	0	0	0	0	0	113
07:00	0	0	7	7	1	1	36	36	84	84	77	77	11	8	0	0	0	0	0	0	0	0	0	0	0	0	216
08:00	0	0	2	2	7	7	54	54	140	140	100	100	8	1	1	0	0	0	0	0	0	0	0	0	0	0	312
09:00	0	0	1	1	0	0	23	23	161	161	73	73	19	0	0	0	0	0	0	0	0	0	0	0	0	0	277
10:00	2	0	0	0	0	0	68	68	169	169	98	98	10	1	0	0	0	0	0	0	0	0	0	0	0	0	348
11:00	0	0	1	1	4	4	70	70	137	137	92	92	16	0	0	0	0	0	0	0	0	0	0	0	0	0	320
12 PM	0	0	4	4	21	21	119	119	205	205	75	75	9	1	1	0	0	0	1	1	0	0	0	0	0	0	435
13:00	0	3	3	3	5	5	106	106	182	182	85	85	3	0	0	0	0	0	0	0	0	0	0	0	0	0	384
14:00	1	1	3	3	17	17	114	114	207	207	82	82	4	0	0	0	0	0	0	0	0	0	0	0	0	0	428
15:00	1	1	2	2	11	11	117	117	238	238	85	85	10	0	1	0	0	0	0	0	0	0	0	0	1	0	465
16:00	0	0	0	0	6	6	108	108	239	239	105	105	8	0	2	0	0	0	0	0	0	0	0	0	0	0	469
17:00	0	0	2	2	16	16	88	88	231	231	72	72	5	0	0	0	0	0	0	0	0	0	0	0	0	0	414
18:00	0	0	0	0	3	3	51	51	133	133	70	70	8	0	0	0	1	0	0	0	0	0	0	0	0	0	266
19:00	1	0	0	0	4	4	26	26	75	75	32	32	7	0	1	0	0	0	0	0	0	0	0	0	0	0	146
20:00	1	1	1	1	1	1	14	14	51	51	34	34	8	1	1	0	0	0	0	0	0	0	0	0	0	0	111
21:00	1	1	2	2	2	2	10	10	32	32	22	22	8	0	1	0	0	0	0	0	0	0	0	0	0	0	78
22:00	0	0	0	0	1	1	6	6	8	8	14	14	3	0	1	0	0	0	0	0	0	0	0	0	0	0	33
23:00	0	0	0	0	1	1	4	4	8	8	5	5	1	0	0	0	0	0	2	2	0	0	0	0	0	0	21
Total	10	28	103	1056	2381	1193	163	13	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4952

Daily

15th Percentile : 27 MPH
50th Percentile : 32 MPH
85th Percentile : 37 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 3574
Percent in Pace : 72.2%
Number of Vehicles > 30 MPH : 3755
Percent of Vehicles > 30 MPH : 75.8%

Accurate Counts
978-664-2565

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
02/25/21	0	0	0	3	3	2	3	0	0	0	0	0	0	0	11
01:00	0	0	1	3	5	4	0	0	0	0	0	0	0	0	13
02:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
03:00	0	1	0	2	6	3	2	0	0	0	0	0	0	0	14
04:00	2	0	1	2	13	6	2	1	0	2	0	0	0	0	27
05:00	0	0	2	10	16	15	6	0	0	0	0	0	0	0	49
06:00	2	2	0	11	59	46	9	1	0	0	0	0	0	0	130
07:00	0	0	1	22	90	94	14	1	0	0	0	0	0	0	222
08:00	0	0	6	42	154	98	10	0	0	0	0	0	0	0	310
09:00	1	0	4	31	155	88	14	1	0	0	0	1	0	1	296
10:00	0	0	1	56	164	78	16	0	0	0	0	1	0	0	316
11:00	0	0	6	81	182	80	15	0	0	0	0	0	0	0	364
12 PM	0	0	7	100	196	89	9	0	0	0	0	0	0	0	401
13:00	0	1	20	123	178	66	6	0	0	0	0	0	0	0	394
14:00	2	2	14	116	190	88	7	1	0	0	0	0	0	0	420
15:00	0	2	22	83	246	108	14	1	0	0	0	0	0	0	476
16:00	2	2	4	97	213	128	10	0	0	0	0	0	0	0	456
17:00	0	0	11	73	235	105	14	0	0	0	0	0	0	0	438
18:00	0	1	6	60	122	44	3	0	0	0	0	0	1	0	237
19:00	0	1	5	30	68	40	1	0	0	0	0	0	0	0	145
20:00	1	1	2	19	60	38	5	1	0	0	0	0	0	0	127
21:00	0	0	2	5	21	27	4	1	0	0	0	0	0	0	60
22:00	0	0	0	6	18	11	5	1	0	0	0	0	0	0	41
23:00	0	0	0	4	14	4	2	0	0	0	0	0	0	0	24
Total	10	13	115	980	2409	1262	172	9	0	0	0	2	1	1	4974

Daily
15th Percentile : 28 MPH
50th Percentile : 32 MPH
85th Percentile : 37 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 3671
Percent in Pace : 73.8%
Number of Vehicles > 30 MPH : 3856
Percent of Vehicles > 30 MPH : 77.5%

Grand Total	20	41	218	2036	4790	2455	335	22	1	3	0	2	2	1	9926
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Overall
15th Percentile : 27 MPH
50th Percentile : 32 MPH
85th Percentile : 37 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 7245
Percent in Pace : 73.0%
Number of Vehicles > 30 MPH : 7611
Percent of Vehicles > 30 MPH : 76.7%

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

SB, NB

Start Time	1	15	16	20	21	25	26	30	31	35	40	41	45	50	51	55	56	60	61	65	70	71	75	76	Total
02/24/21	0	0	0	0	0	0	10	10	5	5	6	3	0	0	0	0	0	0	0	0	0	0	0	0	24
01:00	0	0	1	0	0	0	3	3	9	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	16
02:00	0	0	0	0	2	2	5	5	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	14
03:00	1	1	0	0	1	1	5	5	7	7	4	1	0	1	0	0	0	0	0	0	0	0	0	0	20
04:00	2	2	1	0	4	4	16	16	20	20	12	3	0	1	0	0	0	0	0	0	0	0	0	0	59
05:00	0	0	0	0	12	12	38	38	47	47	22	6	0	0	0	0	0	0	0	0	0	0	0	0	125
06:00	1	1	0	0	21	21	45	45	131	131	63	17	0	2	0	0	0	0	0	0	0	0	0	0	280
07:00	0	0	9	9	11	11	114	114	225	225	146	15	0	2	0	0	0	0	0	0	0	0	0	0	492
08:00	5	3	3	3	18	18	130	130	307	307	110	20	0	0	0	0	0	0	0	0	0	0	0	0	626
09:00	1	3	3	3	16	16	113	113	282	282	110	20	0	0	0	0	0	0	0	0	0	0	0	0	545
10:00	4	4	1	1	17	17	173	173	341	341	126	17	0	1	0	0	0	0	0	0	0	0	0	0	680
11:00	3	2	2	2	21	21	205	205	286	286	138	22	0	0	1	0	0	0	0	0	0	0	0	0	678
12 PM	1	7	7	7	54	54	288	288	377	377	102	10	2	2	0	0	1	1	0	0	0	0	0	0	842
13:00	1	5	5	5	26	26	254	254	384	384	125	5	1	1	0	0	0	0	0	0	0	0	0	0	801
14:00	2	3	3	3	39	39	267	267	408	408	133	5	0	0	0	0	0	0	0	0	0	0	0	0	857
15:00	2	11	11	11	70	70	280	280	446	446	137	11	2	2	0	0	0	0	0	0	0	0	0	0	959
16:00	0	0	0	0	27	27	232	232	471	471	152	9	0	3	0	0	0	0	0	0	0	1	0	0	895
17:00	0	3	3	3	29	29	213	213	416	416	117	5	0	0	0	0	0	0	0	0	0	0	0	0	783
18:00	0	1	1	1	18	18	156	156	254	254	83	9	0	0	0	1	0	0	0	0	0	0	0	0	522
19:00	1	0	0	0	13	13	80	80	170	170	49	9	1	1	0	0	0	0	0	0	0	0	0	0	323
20:00	1	3	3	3	4	4	60	60	111	111	52	9	1	1	1	0	0	0	0	0	0	0	0	0	242
21:00	1	2	2	2	9	9	36	36	66	66	31	8	0	1	0	0	1	1	0	0	0	0	0	0	155
22:00	0	0	0	0	3	3	15	15	26	26	18	5	1	0	0	0	0	0	0	0	0	0	0	0	68
23:00	0	0	0	0	1	1	8	8	22	22	5	1	0	0	0	0	2	2	0	0	0	0	0	0	39
Total	26	55	416	2746	4814	1759	202	19	3	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	10045

Daily

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 36 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 32 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 7560
Percent in Pace : 75.3%
Number of Vehicles > 30 MPH : 6802
Percent of Vehicles > 30 MPH : 67.7%

Accurate Counts
978-664-2565

Location : Lafayette Road
Location : South of Forest Road
City/State: Salisbury, MA

2860SP01

SB, NB

Start Time	15	16	20	21	25	26	30	31	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	99	76	Total
02/25/21	0	0	0	0	0	10	10	8	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
01:00	0	1	0	2	4	4	11	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
02:00	0	0	0	0	0	3	3	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
03:00	1	1	1	1	1	9	9	9	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
04:00	2	2	2	7	7	15	23	23	7	7	2	2	1	1	0	0	2	0	0	0	0	0	0	0	0	0	59
05:00	0	1	1	10	39	39	52	52	25	25	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133
06:00	3	4	4	15	59	59	125	125	71	71	10	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0	289
07:00	0	2	2	18	99	99	237	237	143	143	23	23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	523
08:00	2	1	1	28	141	141	306	306	137	137	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	627
09:00	2	3	3	22	115	115	316	316	119	119	17	17	1	1	0	0	0	0	0	0	0	1	0	0	1	0	597
10:00	0	2	2	20	147	147	318	318	122	122	20	20	0	0	0	0	0	0	0	0	0	1	0	0	0	0	630
11:00	1	0	0	41	193	193	344	344	132	132	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	728
12 PM	0	0	0	21	227	227	399	399	147	147	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	803
13:00	0	9	9	42	266	266	382	382	96	96	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	802
14:00	2	3	3	21	228	228	393	393	159	159	10	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	817
15:00	1	3	3	35	189	189	477	477	182	182	17	17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	905
16:00	2	5	5	21	227	227	432	432	187	187	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	887
17:00	0	0	0	19	187	187	411	411	158	158	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	794
18:00	1	3	3	22	22	160	264	264	64	64	5	5	1	1	0	0	0	0	0	0	0	0	1	0	0	0	521
19:00	0	1	1	12	83	83	150	150	60	60	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	308
20:00	1	2	2	11	60	60	115	115	49	49	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	245
21:00	0	1	1	9	28	28	48	48	38	38	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	129
22:00	0	0	0	4	18	18	37	37	20	20	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	86
23:00	0	0	0	2	10	10	27	27	6	6	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Total	18	44	44	383	2517	2517	4889	4889	1938	1938	215	215	11	11	0	0	0	0	0	0	0	2	2	1	1	1	10019

Daily
15th Percentile : 27 MPH
50th Percentile : 32 MPH
85th Percentile : 36 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 32 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 7406
Percent in Pace : 73.9%
Number of Vehicles > 30 MPH : 7057
Percent of Vehicles > 30 MPH : 70.4%

Grand Total	44	99	99	799	5263	5263	9703	9703	3697	3697	417	417	30	30	3	3	4	4	0	0	0	2	2	2	1	1	20064
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Overall
15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 36 MPH
95th Percentile : 39 MPH

Mean Speed(Average) : 32 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 14966
Percent in Pace : 74.6%
Number of Vehicles > 30 MPH : 13859
Percent of Vehicles > 30 MPH : 69.1%

Accurate Counts
978-664-2565

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860VL02

Start Time	2/24/2021 Wed	SB		Hour Totals		NB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	7			1	4				
12:15		0	11			2	5				
12:30		0	7			0	10				
12:45		0	6	0	31	1	9	4	28	4	59
01:00		0	5			0	7				
01:15		0	6			0	10				
01:30		0	7			0	10				
01:45		0	4	0	22	0	10	0	37	0	59
02:00		0	4			0	7				
02:15		0	10			1	3				
02:30		0	5			0	9				
02:45		0	10	0	29	1	7	2	26	2	55
03:00		0	8			1	14				
03:15		0	15			0	12				
03:30		1	5			1	8				
03:45		2	8	3	36	0	5	2	39	5	75
04:00		1	4			0	15				
04:15		0	7			0	6				
04:30		3	8			0	13				
04:45		2	8	6	27	0	17	0	51	6	78
05:00		1	8			0	11				
05:15		5	8			0	11				
05:30		3	5			2	9				
05:45		2	8	11	29	1	8	3	39	14	68
06:00		7	1			2	5				
06:15		4	3			1	8				
06:30		9	3			1	3				
06:45		8	7	28	14	2	6	6	22	34	36
07:00		15	6			1	4				
07:15		10	4			1	7				
07:30		10	5			8	4				
07:45		17	0	52	15	7	7	17	22	69	37
08:00		9	0			5	0				
08:15		5	1			4	1				
08:30		7	3			5	1				
08:45		8	3	29	7	2	4	16	6	45	13
09:00		4	1			1	4				
09:15		4	1			5	2				
09:30		6	2			2	2				
09:45		7	2	21	6	9	0	17	8	38	14
10:00		8	2			6	0				
10:15		11	1			9	1				
10:30		10	0			7	1				
10:45		8	0	37	3	2	0	24	2	61	5
11:00		7	0			7	0				
11:15		9	0			6	0				
11:30		8	0			6	2				
11:45		7	0	31	0	4	1	23	3	54	3
Total		218	219			114	283			332	502
Percent		49.9%	50.1%			28.7%	71.3%			39.8%	60.2%

Accurate Counts
978-664-2565

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860VL02

Start Time	2/25/2021 Thu	SB		Hour Totals		NB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	9			1	5				
12:15		0	6			0	9				
12:30		2	3			2	7				
12:45		0	5	2	23	0	2	3	23	5	46
01:00		0	4			0	13				
01:15		0	5			0	4				
01:30		0	5			0	10				
01:45		1	8	1	22	1	7	1	34	2	56
02:00		0	2			0	9				
02:15		0	6			0	14				
02:30		1	9			1	10				
02:45		0	9	1	26	0	11	1	44	2	70
03:00		1	5			0	13				
03:15		0	12			1	12				
03:30		0	6			0	11				
03:45		2	11	3	34	0	13	1	49	4	83
04:00		0	7			0	12				
04:15		0	4			0	8				
04:30		3	6			0	8				
04:45		4	3	7	20	0	11	0	39	7	59
05:00		1	9			0	13				
05:15		4	5			0	20				
05:30		3	5			1	11				
05:45		4	6	12	25	0	11	1	55	13	80
06:00		4	5			2	8				
06:15		5	4			2	5				
06:30		9	7			2	6				
06:45		7	2	25	18	1	10	7	29	32	47
07:00		17	3			3	7				
07:15		9	5			1	5				
07:30		14	2			4	6				
07:45		9	1	49	11	6	1	14	19	63	30
08:00		12	5			3	9				
08:15		8	3			3	4				
08:30		9	3			3	2				
08:45		7	2	36	13	9	4	18	19	54	32
09:00		4	2			2	5				
09:15		5	1			7	1				
09:30		8	2			5	2				
09:45		7	2	24	7	3	0	17	8	41	15
10:00		2	3			4	0				
10:15		7	0			2	1				
10:30		7	0			3	1				
10:45		5	1	21	4	8	0	17	2	38	6
11:00		11	0			6	0				
11:15		6	0			10	2				
11:30		9	0			6	0				
11:45		4	1	30	1	9	2	31	4	61	5
Total		211	204			111	325			322	529
Percent		50.8%	49.2%			25.5%	74.5%			37.8%	62.2%
Grand Total		429	423			225	608			654	1031
Percent		50.4%	49.6%			27.0%	73.0%			38.8%	61.2%
ADT		ADT 842		AADT 842							

Accurate Counts
978-664-2565

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860V1.02

Start Time	2/22/2021		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	*	*	0	4	2	3	*	*	*	*	*	*	1	4
01:00	*	*	*	*	0	0	1	1	*	*	*	*	*	*	0	0
02:00	*	*	*	*	0	2	1	1	*	*	*	*	*	*	0	2
03:00	*	*	*	*	3	2	3	1	*	*	*	*	*	*	3	2
04:00	*	*	*	*	6	0	7	0	*	*	*	*	*	*	6	0
05:00	*	*	*	*	11	3	12	1	*	*	*	*	*	*	12	2
06:00	*	*	*	*	28	6	25	7	*	*	*	*	*	*	26	6
07:00	*	*	*	*	52	17	49	14	*	*	*	*	*	*	50	16
08:00	*	*	*	*	29	16	36	18	*	*	*	*	*	*	32	17
09:00	*	*	*	*	21	17	24	17	*	*	*	*	*	*	32	17
10:00	*	*	*	*	37	24	21	17	*	*	*	*	*	*	29	20
11:00	*	*	*	*	31	23	30	31	*	*	*	*	*	*	30	27
12:00 PM	*	*	*	*	31	28	23	23	*	*	*	*	*	*	27	26
01:00	*	*	*	*	22	37	22	34	*	*	*	*	*	*	22	36
02:00	*	*	*	*	29	26	26	44	*	*	*	*	*	*	28	35
03:00	*	*	*	*	36	39	34	49	*	*	*	*	*	*	35	44
04:00	*	*	*	*	27	51	20	39	*	*	*	*	*	*	24	45
05:00	*	*	*	*	29	39	25	55	*	*	*	*	*	*	27	47
06:00	*	*	*	*	14	22	18	29	*	*	*	*	*	*	16	26
07:00	*	*	*	*	15	22	11	19	*	*	*	*	*	*	13	20
08:00	*	*	*	*	7	6	13	19	*	*	*	*	*	*	10	12
09:00	*	*	*	*	6	8	7	8	*	*	*	*	*	*	6	8
10:00	*	*	*	*	3	2	4	2	*	*	*	*	*	*	4	2
11:00	*	*	*	*	0	3	1	4	*	*	*	*	*	*	0	4
Lane Day	0	0	0	0	437	397	415	436	0	0	0	0	0	0	423	418
					834		851								841	
AM Peak Vol.	-	-	-	-	07:00 52	10:00 24	07:00 49	11:00 31	-	-	-	-	-	-	07:00 50	11:00 27
PM Peak Vol.	-	-	-	-	15:00 36	16:00 51	15:00 34	17:00 55	-	-	-	-	-	-	15:00 35	17:00 47

Comb. Total	0	0	834	851	0	0	0	841
ADT	ADT 842	AADT 842						

Accurate Counts
978-664-2565

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA
SB

2860SP02

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	Total
02/24/21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
04:00	0	1	0	0	0	1	1	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
05:00	0	0	0	1	1	6	2	2	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	11
06:00	0	0	0	1	10	10	7	7	0	9	9	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	28
07:00	1	0	0	1	12	12	21	21	14	14	14	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	52
08:00	0	0	0	2	7	7	15	15	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
09:00	1	1	1	3	6	6	8	8	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
10:00	1	1	1	6	14	14	12	12	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
11:00	1	0	2	2	12	12	12	12	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
12 PM	1	2	4	4	13	13	10	10	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
13:00	0	3	6	6	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
14:00	2	0	2	2	8	8	14	14	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
15:00	0	2	2	2	19	19	10	10	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
16:00	0	0	2	2	15	15	9	9	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
17:00	2	1	2	2	14	14	9	9	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
18:00	0	0	0	4	4	4	4	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
19:00	0	1	0	0	6	6	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
20:00	0	0	0	1	2	2	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
21:00	0	0	0	0	1	1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
22:00	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	12	40	40	158	158	159	159	53	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	437

Daily

15th Percentile : 25 MPH
50th Percentile : 29 MPH
85th Percentile : 34 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 30 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 317
Percent in Pace : 72.5%
Number of Vehicles > 30 MPH : 218
Percent of Vehicles > 30 MPH : 49.9%

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860SP02

SB

Start Time	1	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	Total
02/25/21	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	0	0	1	1	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
05:00	0	0	0	0	0	0	7	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
06:00	1	0	0	0	1	0	4	4	13	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
07:00	0	0	0	0	2	0	14	14	25	25	7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	49
08:00	0	0	0	0	2	0	11	11	13	13	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	36
09:00	0	0	3	4	4	5	5	5	11	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
10:00	0	1	1	4	4	8	8	8	5	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
11:00	0	0	0	0	2	2	15	15	8	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
12 PM	1	0	0	1	1	8	9	8	9	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
13:00	0	0	0	0	0	6	6	6	12	12	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
14:00	1	0	0	0	6	6	10	10	10	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
15:00	1	0	0	0	4	9	9	9	16	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
16:00	0	1	1	3	3	7	7	7	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
17:00	0	0	0	1	1	11	11	11	11	11	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
18:00	0	0	0	0	0	8	8	9	9	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
19:00	0	0	0	1	1	2	2	2	7	7	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
20:00	0	0	0	0	0	6	6	4	4	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
21:00	0	0	0	0	2	1	1	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
22:00	0	0	0	0	2	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	4	4	5	36	129	178	56	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	415

Daily

15th Percentile : 25 MPH
50th Percentile : 30 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 307
Percent in Pace : 74.0%
Number of Vehicles > 30 MPH : 241
Percent of Vehicles > 30 MPH : 58.1%

Grand Total	13	17	76	287	337	109	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	852
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Overall

15th Percentile : 25 MPH
50th Percentile : 30 MPH
85th Percentile : 34 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 624
Percent in Pace : 73.2%
Number of Vehicles > 30 MPH : 459
Percent of Vehicles > 30 MPH : 53.9%

Accurate Counts
978-664-2565

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA
NB
2860SP02

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	Total
02/24/21	0	0	0	0	0	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	0	0	0	0	1	1	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
07:00	0	0	0	1	1	7	7	5	5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
08:00	0	0	0	2	2	5	5	7	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
09:00	1	1	1	3	3	4	4	6	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
10:00	0	0	0	3	3	6	6	12	12	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
11:00	0	0	0	3	3	6	6	9	9	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
12 PM	0	0	0	2	2	7	7	14	14	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
13:00	1	1	2	2	2	11	11	18	18	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
14:00	1	0	0	4	4	6	6	13	13	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
15:00	0	1	1	0	0	7	7	22	22	7	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	39
16:00	1	2	2	2	2	19	19	17	17	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
17:00	0	0	0	3	3	5	5	23	23	7	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	39
18:00	0	0	0	0	0	10	10	10	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
19:00	0	0	0	0	0	5	5	14	14	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	22
20:00	0	0	0	0	0	1	1	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
21:00	0	0	0	0	0	2	2	5	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
22:00	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	4	5	5	27	27	108	108	189	189	59	59	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	397

Daily

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 297
Percent in Pace : 74.8%
Number of Vehicles > 30 MPH : 253
Percent of Vehicles > 30 MPH : 63.7%

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860SP02

NB

Start Time	1	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	60	65	70	71	75	76	Total
02/25/21	0	0	0	0	1	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	1	0	0	0	1	0	1	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
07:00	0	0	1	0	0	0	3	0	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14
08:00	0	0	0	0	1	0	7	0	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	18
09:00	0	0	0	0	2	0	4	0	5	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	17
10:00	0	0	0	0	1	0	4	0	8	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	17
11:00	1	0	0	0	4	0	7	0	12	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	31
12 PM	1	0	0	0	0	0	7	0	11	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	23
13:00	1	0	0	2	2	0	13	0	15	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	34
14:00	3	3	0	3	4	0	11	0	19	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	44
15:00	0	0	1	2	2	0	9	0	25	0	10	0	2	0	0	0	0	0	0	0	0	0	0	0	49
16:00	0	0	0	0	3	0	6	0	22	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	39
17:00	0	0	0	0	2	0	12	0	33	0	6	0	2	0	0	0	0	0	0	0	0	0	0	0	55
18:00	1	0	0	1	1	0	13	0	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	29
19:00	0	0	0	0	0	0	5	0	10	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	19
20:00	0	0	0	0	0	0	9	0	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	8
21:00	0	0	0	0	0	0	2	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	8	6	25	116	209	65	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	436

Daily

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 325
Percent in Pace : 74.5%
Number of Vehicles > 30 MPH : 281
Percent of Vehicles > 30 MPH : 64.4%

Grand Total	12	11	52	224	398	124	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	833
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Overall

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 622
Percent in Pace : 74.7%
Number of Vehicles > 30 MPH : 534
Percent of Vehicles > 30 MPH : 64.1%

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA
SB, NB
2860SP02

Start Time	15	16	20	21	25	26	30	31	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	Total
02/24/21	0	0	0	0	0	3		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	1	2		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
04:00	0	1	1	0	1	1		2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
05:00	0	0	0	2	2	6		4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	14
06:00	0	0	0	1	1	11		11	10	10	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	34
07:00	1	0	2	2	19	26		26	18	18	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	69
08:00	0	0	0	4	12	22		22	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
09:00	2	2	6	6	10	14		14	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
10:00	1	1	9	9	24	24		24	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
11:00	1	0	5	5	18	21		21	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
12 PM	1	2	6	6	20	24		24	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
13:00	1	3	8	8	17	25		25	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
14:00	3	0	6	6	14	27		27	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
15:00	0	3	2	2	26	32		32	10	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	75
16:00	1	2	4	4	34	26		26	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78
17:00	2	1	5	5	19	32		32	8	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	68
18:00	0	0	4	4	14	14		14	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
19:00	0	1	0	1	11	11		11	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	37
20:00	0	0	1	1	3	7		7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
21:00	0	0	0	0	3	10		10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
22:00	0	0	0	0	2	2		2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	0	0	0	1	1		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	13	17	67	67	266	348		348	112	112	8	8	3	3	0	0	0	0	0	0	0	0	0	0	0	834

Daily

15th Percentile : 25 MPH
50th Percentile : 30 MPH
85th Percentile : 34 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 614
Percent in Pace : 73.6%
Number of Vehicles > 30 MPH : 471
Percent of Vehicles > 30 MPH : 56.5%

Location : Forest Road
Location : South of School House Lane
City/State: Salisbury, MA

2860SP02

SB, NB

Start Time	1	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	60	61	65	70	71	75	76	Total
02/25/21	0	0	0	0	1	1	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	0	1	1	4	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7
05:00	0	0	0	0	0	0	8	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
06:00	2	0	0	0	2	2	5	5	16	16	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	32
07:00	0	0	1	1	2	2	17	17	33	33	8	8	2	2	0	0	0	0	0	0	0	0	0	0	0	63
08:00	0	0	0	0	3	3	18	18	20	20	11	11	1	1	1	0	0	0	0	0	0	0	0	0	0	54
09:00	0	0	3	3	6	6	9	9	16	16	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	41
10:00	0	1	1	1	5	5	12	12	13	13	5	5	2	2	0	0	0	0	0	0	0	0	0	0	0	38
11:00	1	0	0	0	6	6	22	22	20	20	11	11	1	1	0	0	0	0	0	0	0	0	0	0	0	61
12 PM	2	0	0	0	1	1	15	15	20	20	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	46
13:00	1	2	0	0	2	2	19	19	27	27	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	56
14:00	4	1	3	3	10	10	17	17	29	29	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	70
15:00	1	1	1	1	6	6	18	18	41	41	14	14	2	2	0	0	0	0	0	0	0	0	0	0	0	83
16:00	0	0	1	1	6	6	13	13	31	31	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	59
17:00	0	0	0	0	3	3	23	23	44	44	7	7	3	3	0	0	0	0	0	0	0	0	0	0	0	80
18:00	1	0	0	0	1	1	21	21	22	22	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	47
19:00	0	0	0	0	1	1	7	7	17	17	5	5	1	1	0	0	0	0	0	0	0	0	0	0	0	30
20:00	0	0	0	0	0	0	15	15	11	11	5	5	1	1	0	0	0	0	0	0	0	0	0	0	0	32
21:00	0	0	0	0	2	2	3	3	7	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	15
22:00	0	0	0	0	2	2	0	0	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	0	0	0	0	1	1	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	12	11	61	61	245	387	121	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	851

Daily

15th Percentile : 25 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 632
Percent in Pace : 74.3%
Number of Vehicles > 30 MPH : 522
Percent of Vehicles > 30 MPH : 61.3%

Grand Total	25	28	128	511	735	233	21	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1685
-------------	----	----	-----	-----	-----	-----	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	------

Overall

15th Percentile : 25 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 1246
Percent in Pace : 73.9%
Number of Vehicles > 30 MPH : 993
Percent of Vehicles > 30 MPH : 58.9%

Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	40	1	0	36	0	77
07:15 AM	0	66	0	0	38	0	104
07:30 AM	0	59	0	1	59	0	119
07:45 AM	0	72	0	1	56	0	129
Total	0	237	1	2	189	0	429
08:00 AM	0	69	0	1	103	1	174
08:15 AM	0	86	0	1	70	0	157
08:30 AM	1	78	1	0	65	0	145
08:45 AM	0	65	0	0	57	0	122
Total	1	298	1	2	295	1	598
Grand Total	1	535	2	4	484	1	1027
Apprch %	0.2	99.8	33.3	66.7	99.8	0.2	
Total %	0.1	52.1	0.2	0.4	47.1	0.1	
Cars	1	514	2	4	463	1	985
% Cars	100	96.1	100	100	95.7	100	95.9
Trucks	0	21	0	0	21	0	42
% Trucks	0	3.9	0	0	4.3	0	4.1

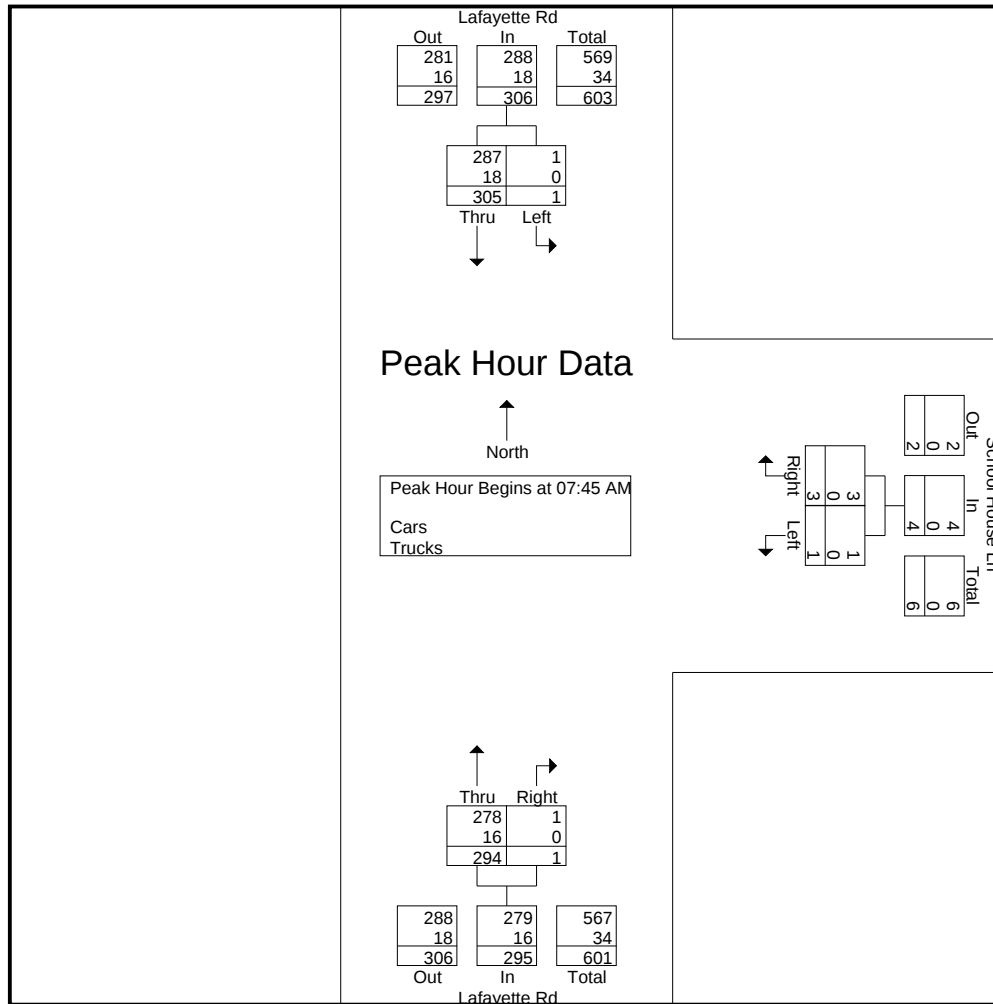
	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	72	72	0	1	1	56	0	56	129
08:00 AM	0	69	69	0	1	1	103	1	104	174
08:15 AM	0	86	86	0	1	1	70	0	70	157
08:30 AM	1	78	79	1	0	1	65	0	65	145
Total Volume	1	305	306	1	3	4	294	1	295	605
% App. Total	0.3	99.7		25	75		99.7	0.3		
PHF	.250	.887	.890	.250	.750	1.00	.714	.250	.709	.869
Cars	1	287	288	1	3	4	278	1	279	571
% Cars	100	94.1	94.1	100	100	100	94.6	100	94.6	94.4
Trucks	0	18	18	0	0	0	16	0	16	34
% Trucks	0	5.9	5.9	0	0	0	5.4	0	5.4	5.6

Accurate Counts

978-664-2565

N/S Street : Lafayette Road
 E/W Street : School House Lane
 City/State : Salisbury, MA
 Weather : Clear

File Name : 28600001
 Site Code : 28600001
 Start Date : 2/24/2021
 Page No : 2

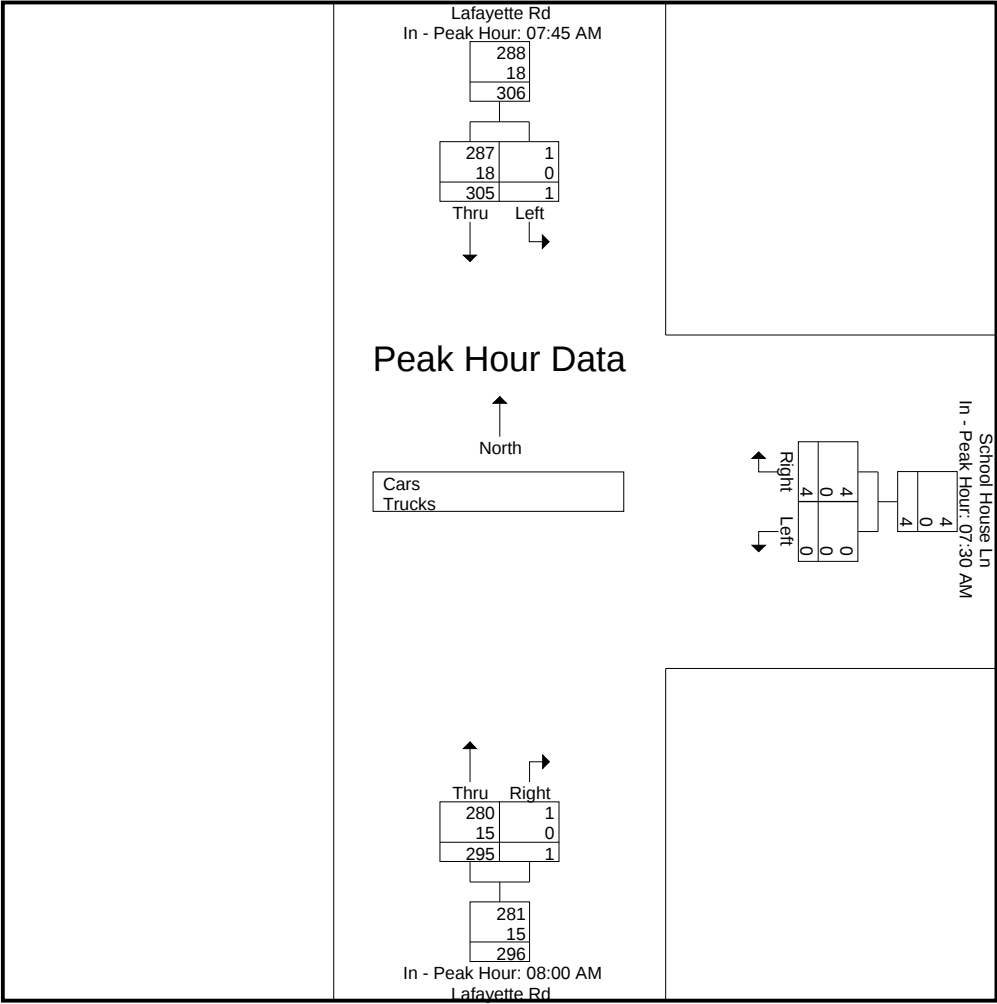


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	07:45 AM			07:30 AM			08:00 AM		
+0 mins.	0	72	72	0	1	1	103	1	104
+15 mins.	0	69	69	0	1	1	70	0	70
+30 mins.	0	86	86	0	1	1	65	0	65
+45 mins.	1	78	79	0	1	1	57	0	57
Total Volume	1	305	306	0	4	4	295	1	296
% App. Total	0.3	99.7		0	100		99.7	0.3	
PHF	.250	.887	.890	.000	1.000	1.000	.716	.250	.712
Cars	1	287	288	0	4	4	280	1	281
% Cars	100	94.1	94.1	0	100	100	94.9	100	94.9
Trucks	0	18	18	0	0	0	15	0	15
% Trucks	0	5.9	5.9	0	0	0	5.1	0	5.1

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 4

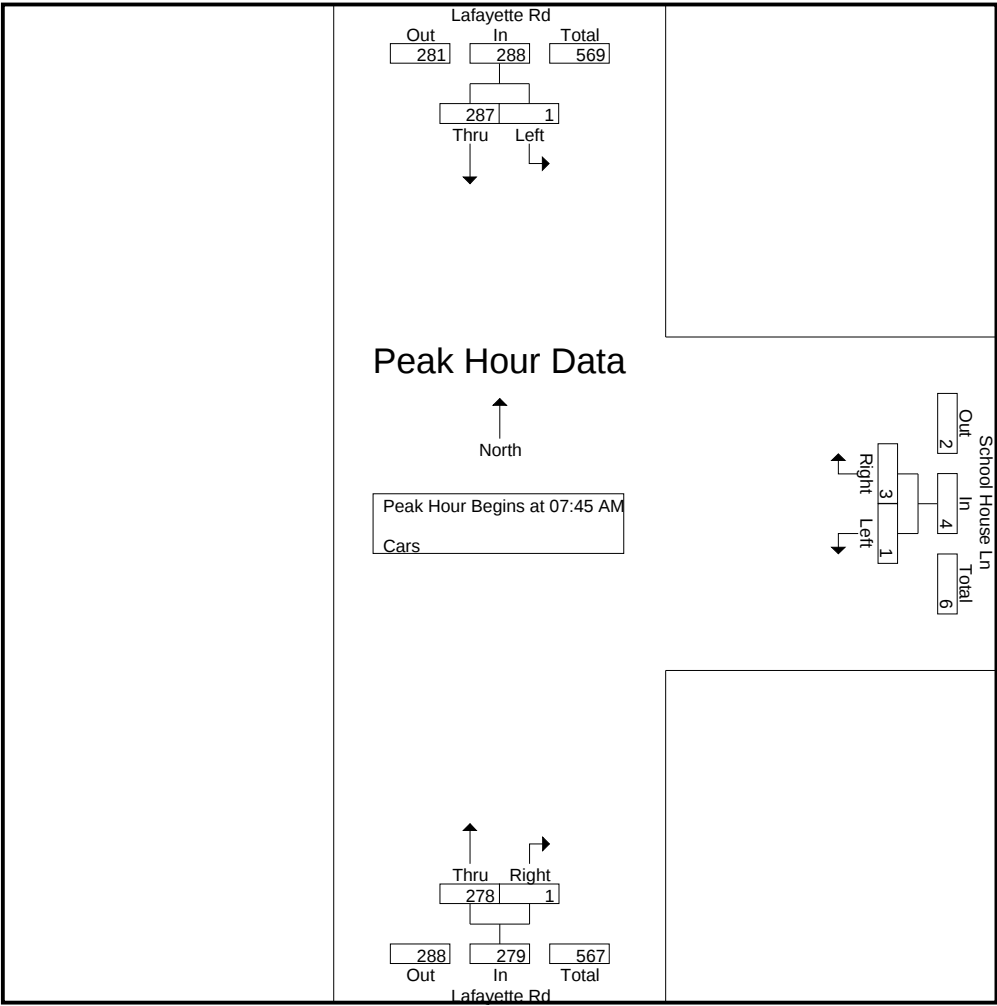
Groups Printed- Cars

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	39	1	0	34	0	74
07:15 AM	0	65	0	0	36	0	101
07:30 AM	0	59	0	1	59	0	119
07:45 AM	0	70	0	1	54	0	125
Total	0	233	1	2	183	0	419
08:00 AM	0	65	0	1	96	1	163
08:15 AM	0	78	0	1	65	0	144
08:30 AM	1	74	1	0	63	0	139
08:45 AM	0	64	0	0	56	0	120
Total	1	281	1	2	280	1	566
Grand Total	1	514	2	4	463	1	985
Apprch %	0.2	99.8	33.3	66.7	99.8	0.2	
Total %	0.1	52.2	0.2	0.4	47	0.1	

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	70	70	0	1	1	54	0	54	125
08:00 AM	0	65	65	0	1	1	96	1	97	163
08:15 AM	0	78	78	0	1	1	65	0	65	144
08:30 AM	1	74	75	1	0	1	63	0	63	139
Total Volume	1	287	288	1	3	4	278	1	279	571
% App. Total	0.3	99.7		25	75		99.6	0.4		
PHF	.250	.920	.923	.250	.750	1.00	.724	.250	.719	.876

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 5

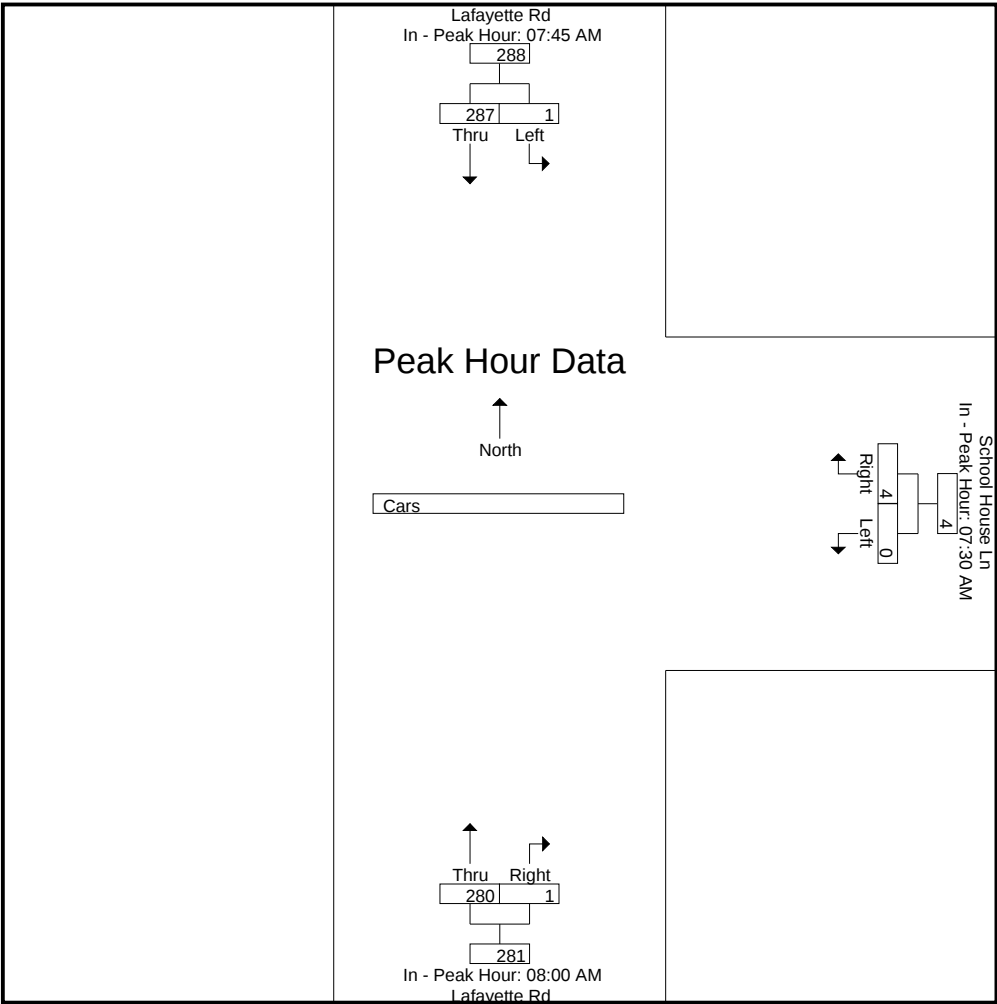


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:30 AM			08:00 AM		
+0 mins.	0	70	70	0	1	1	96	1	97
+15 mins.	0	65	65	0	1	1	65	0	65
+30 mins.	0	78	78	0	1	1	63	0	63
+45 mins.	1	74	75	0	1	1	56	0	56
Total Volume	1	287	288	0	4	4	280	1	281
% App. Total	0.3	99.7		0	100		99.6	0.4	
PHF	.250	.920	.923	.000	1.000	1.000	.729	.250	.724

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 6



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 7

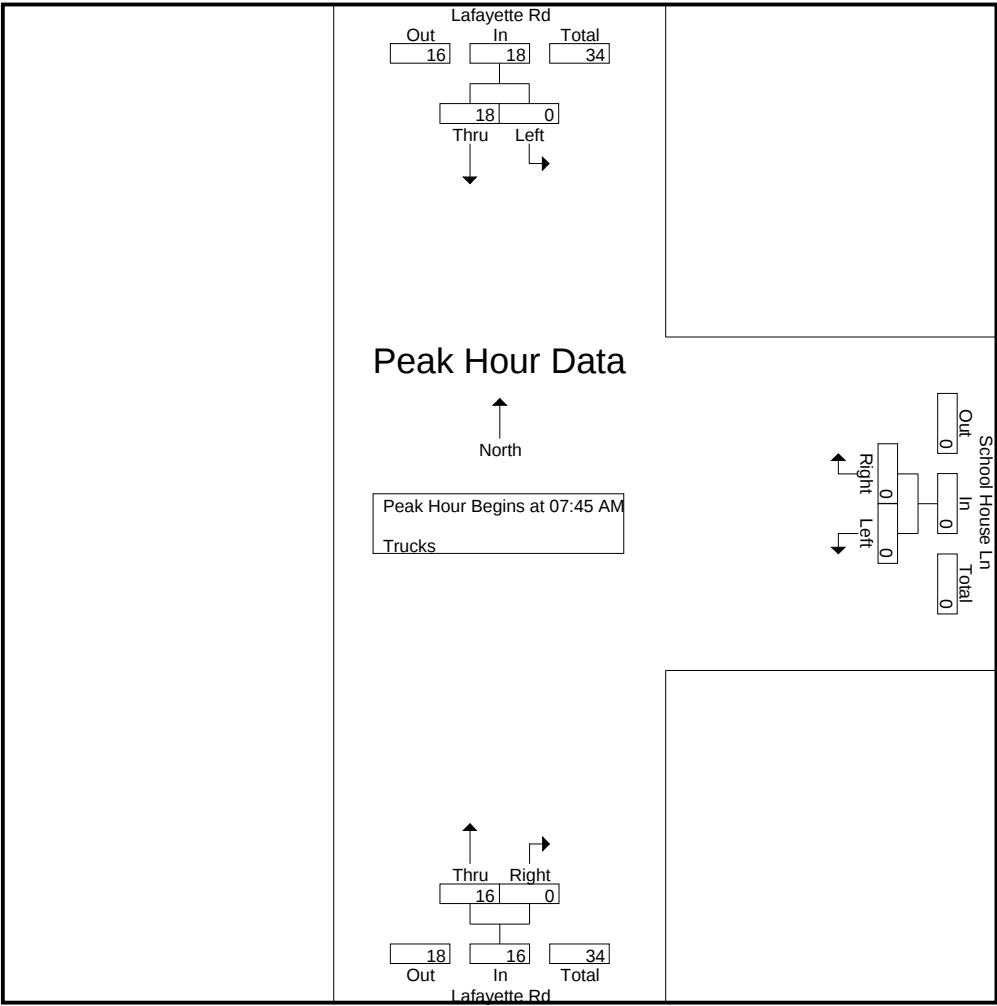
Groups Printed- Trucks

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	1	0	0	2	0	3
07:15 AM	0	1	0	0	2	0	3
07:30 AM	0	0	0	0	0	0	0
07:45 AM	0	2	0	0	2	0	4
Total	0	4	0	0	6	0	10
08:00 AM	0	4	0	0	7	0	11
08:15 AM	0	8	0	0	5	0	13
08:30 AM	0	4	0	0	2	0	6
08:45 AM	0	1	0	0	1	0	2
Total	0	17	0	0	15	0	32
Grand Total	0	21	0	0	21	0	42
Apprch %	0	100	0	0	100	0	
Total %	0	50	0	0	50	0	

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	2	2	0	0	0	2	0	2	4
08:00 AM	0	4	4	0	0	0	7	0	7	11
08:15 AM	0	8	8	0	0	0	5	0	5	13
08:30 AM	0	4	4	0	0	0	2	0	2	6
Total Volume	0	18	18	0	0	0	16	0	16	34
% App. Total	0	100		0	0		100	0		
PHF	.000	.563	.563	.000	.000	.000	.571	.000	.571	.654

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 8

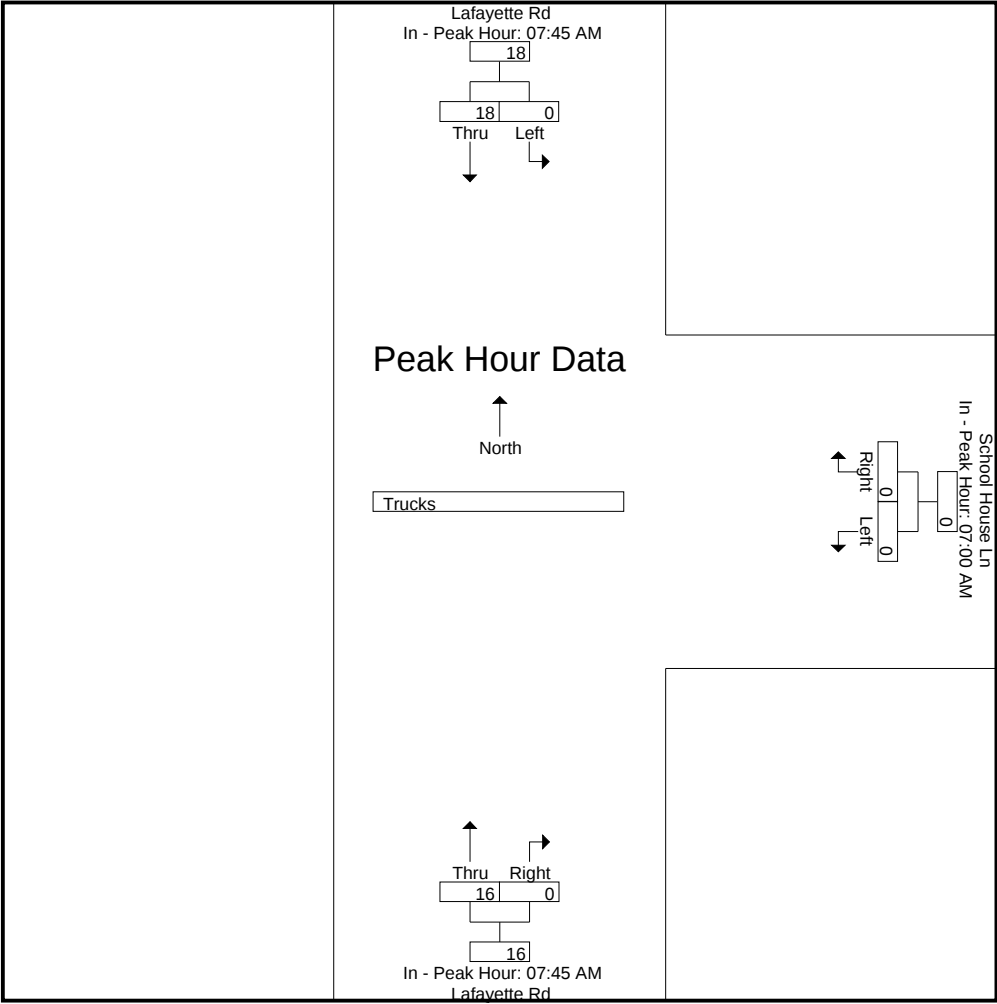


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:00 AM			07:45 AM		
+0 mins.	0	2	2	0	0	0	2	0	2
+15 mins.	0	4	4	0	0	0	7	0	7
+30 mins.	0	8	8	0	0	0	5	0	5
+45 mins.	0	4	4	0	0	0	2	0	2
Total Volume	0	18	18	0	0	0	16	0	16
% App. Total	0	100		0	0		100	0	
PHF	.000	.563	.563	.000	.000	.000	.571	.000	.571

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 9



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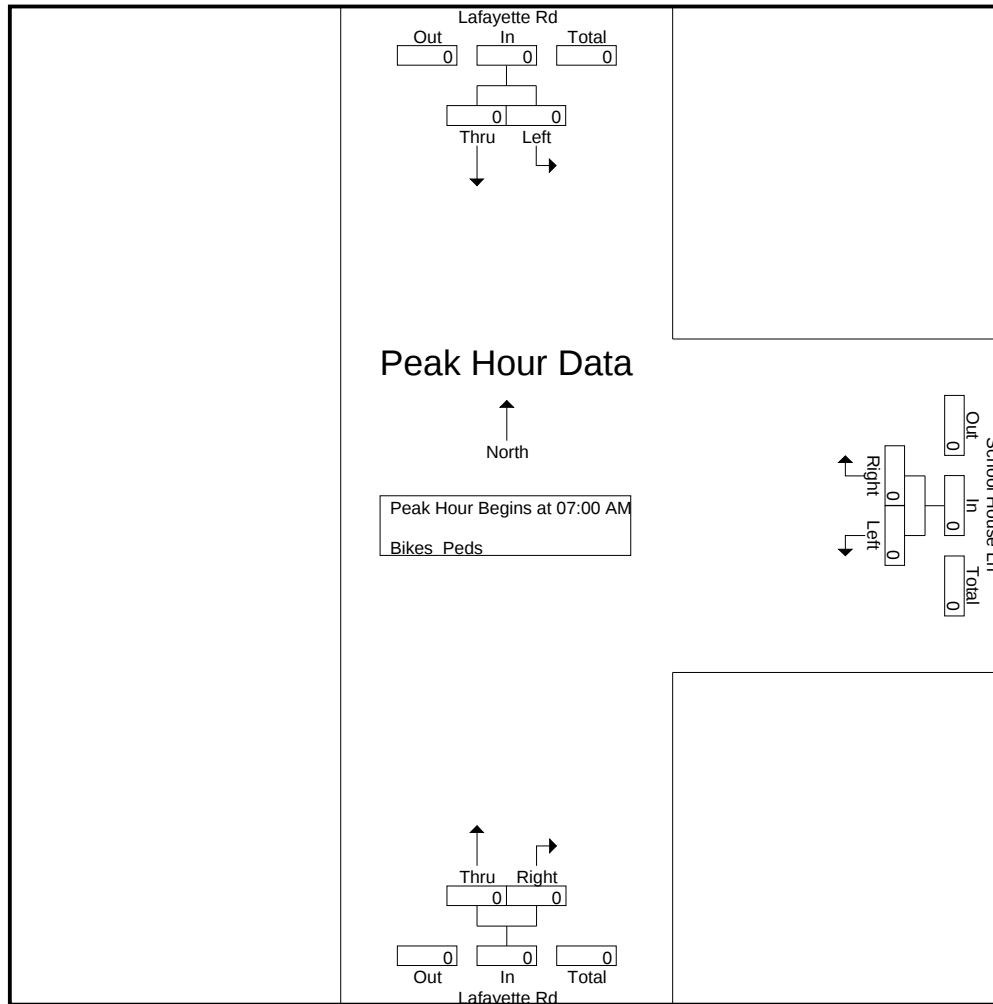
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Site Code : 28600001
Start Date : 2/24/2021
Page No : 10

[illegible][illegible]

Accurate Counts
978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 11

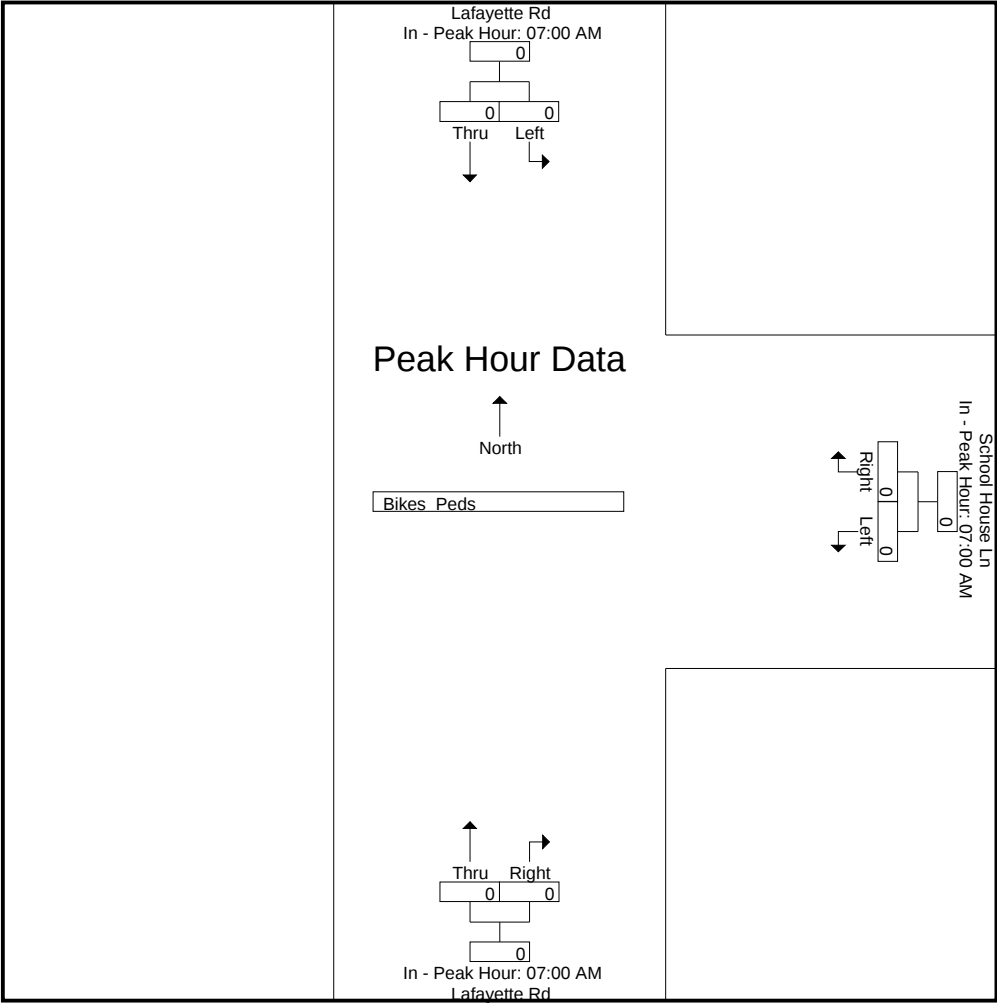


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 12



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	1	96	0	1	98	0	196
04:15 PM	0	130	0	1	118	0	249
04:30 PM	2	86	0	0	100	0	188
04:45 PM	1	104	0	0	98	0	203
Total	4	416	0	2	414	0	836
05:00 PM	2	100	0	1	111	0	214
05:15 PM	0	83	0	0	101	0	184
05:30 PM	1	91	0	0	68	2	162
05:45 PM	1	77	0	0	91	0	169
Total	4	351	0	1	371	2	729
06:00 PM	0	76	0	0	85	1	162
06:15 PM	0	54	0	0	57	0	111
Grand Total	8	897	0	3	927	3	1838
Apprch %	0.9	99.1	0	100	99.7	0.3	
Total %	0.4	48.8	0	0.2	50.4	0.2	
Cars	8	893	0	3	922	3	1829
% Cars	100	99.6	0	100	99.5	100	99.5
Trucks	0	4	0	0	5	0	9
% Trucks	0	0.4	0	0	0.5	0	0.5

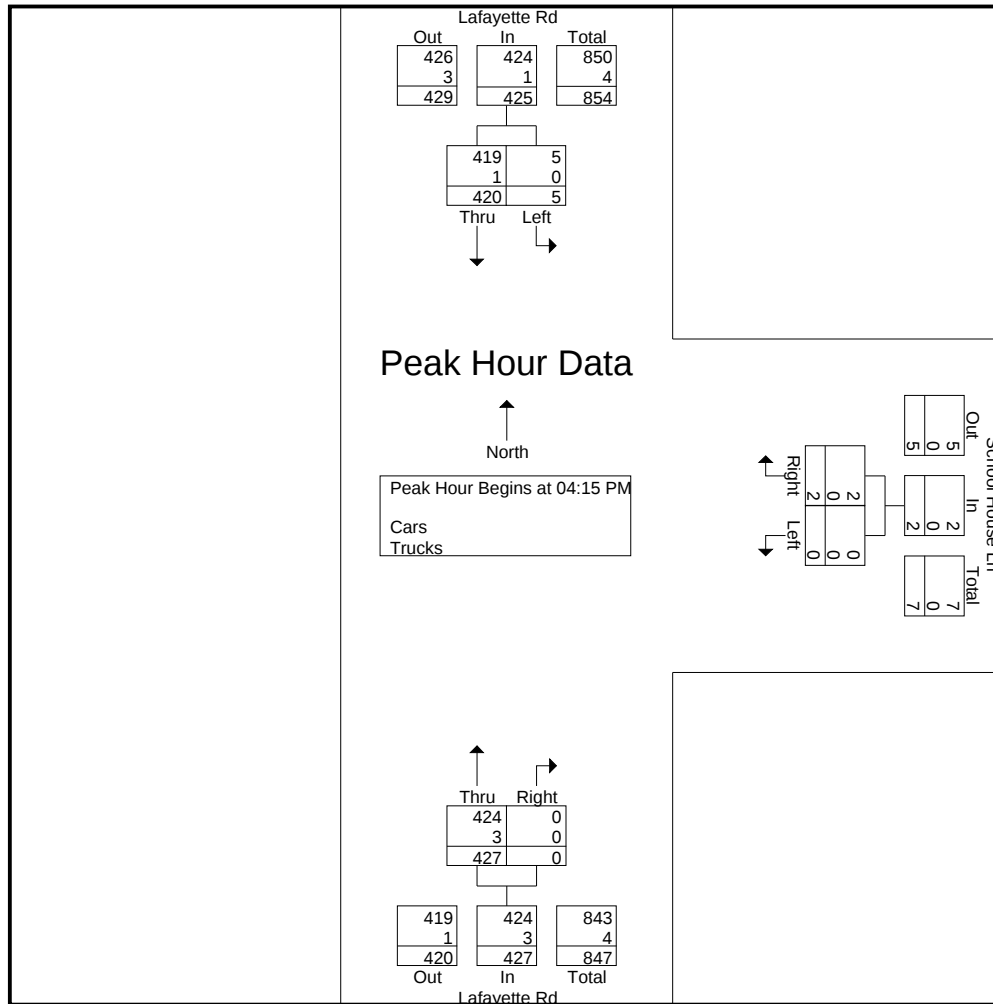
	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	130	130	0	1	1	118	0	118	249
04:30 PM	2	86	88	0	0	0	100	0	100	188
04:45 PM	1	104	105	0	0	0	98	0	98	203
05:00 PM	2	100	102	0	1	1	111	0	111	214
Total Volume	5	420	425	0	2	2	427	0	427	854
% App. Total	1.2	98.8		0	100		100	0		
PHF	.625	.808	.817	.000	.500	.500	.905	.000	.905	.857
Cars	5	419	424	0	2	2	424	0	424	850
% Cars	100	99.8	99.8	0	100	100	99.3	0	99.3	99.5
Trucks	0	1	1	0	0	0	3	0	3	4
% Trucks	0	0.2	0.2	0	0	0	0.7	0	0.7	0.5

Accurate Counts

978-664-2565

N/S Street : Lafayette Road
 E/W Street : School House Lane
 City/State : Salisbury, MA
 Weather : Clear

File Name : 28600001
 Site Code : 28600001
 Start Date : 2/24/2021
 Page No : 2

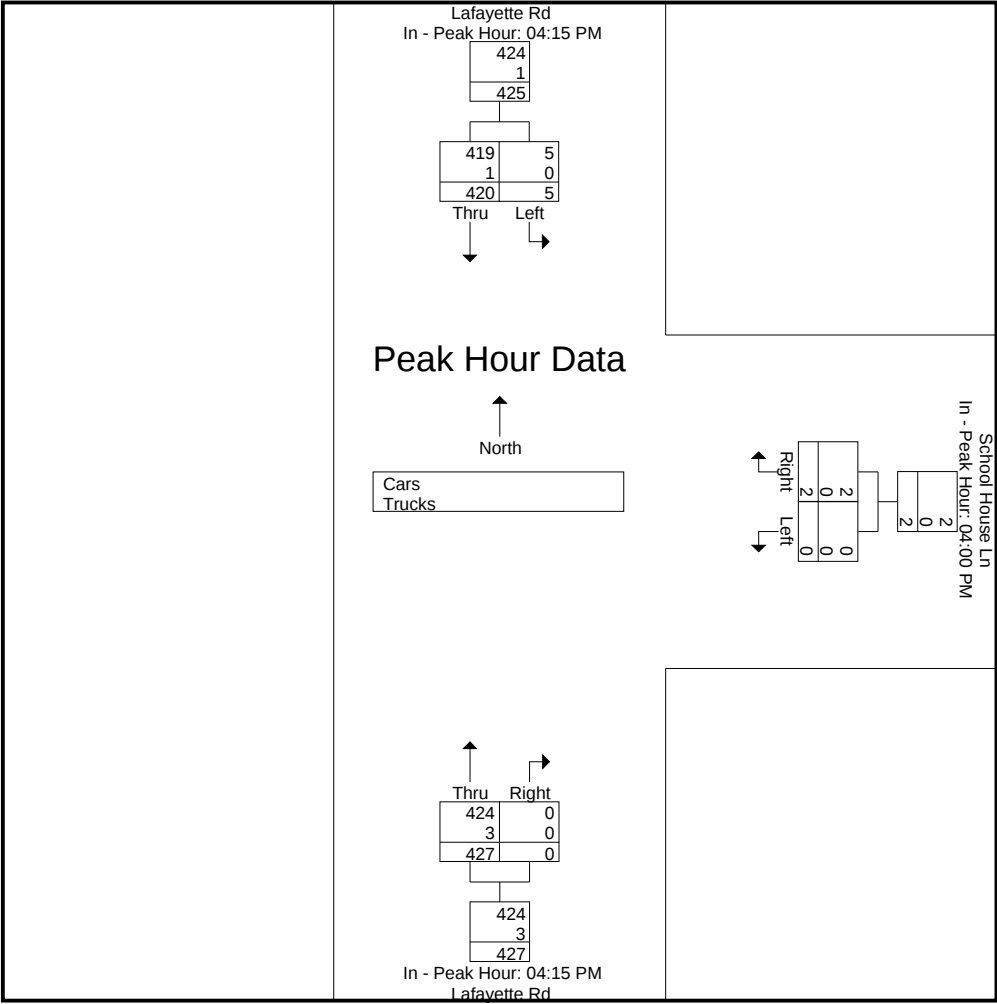


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	04:15 PM			04:00 PM			04:15 PM		
+0 mins.	0	130	130	0	1	1	118	0	118
+15 mins.	2	86	88	0	1	1	100	0	100
+30 mins.	1	104	105	0	0	0	98	0	98
+45 mins.	2	100	102	0	0	0	111	0	111
Total Volume	5	420	425	0	2	2	427	0	427
% App. Total	1.2	98.8		0	100		100	0	
PHF	.625	.808	.817	.000	.500	.500	.905	.000	.905
Cars	5	419	424	0	2	2	424	0	424
% Cars	100	99.8	99.8	0	100	100	99.3	0	99.3
Trucks	0	1	1	0	0	0	3	0	3
% Trucks	0	0.2	0.2	0	0	0	0.7	0	0.7

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 4

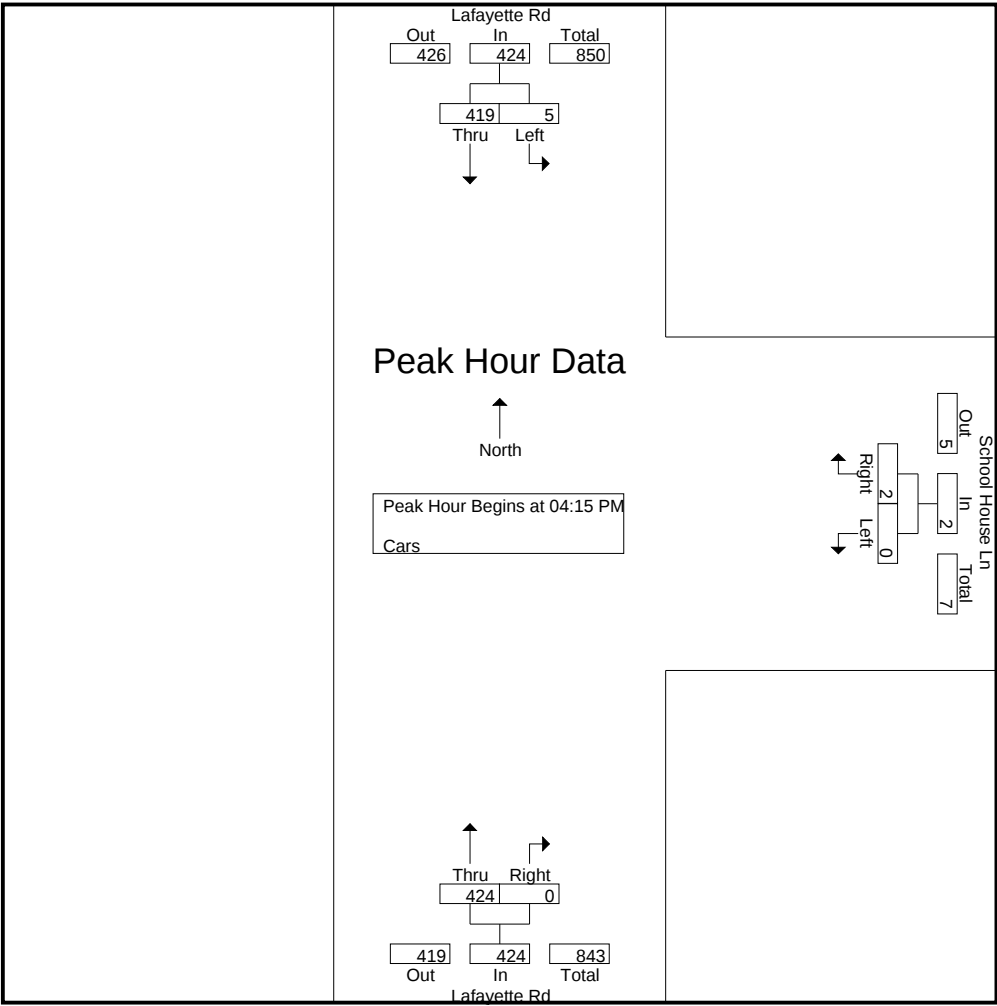
Groups Printed- Cars

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	1	95	0	1	97	0	194
04:15 PM	0	130	0	1	115	0	246
04:30 PM	2	85	0	0	100	0	187
04:45 PM	1	104	0	0	98	0	203
Total	4	414	0	2	410	0	830
05:00 PM	2	100	0	1	111	0	214
05:15 PM	0	82	0	0	101	0	183
05:30 PM	1	91	0	0	68	2	162
05:45 PM	1	77	0	0	91	0	169
Total	4	350	0	1	371	2	728
06:00 PM	0	75	0	0	84	1	160
06:15 PM	0	54	0	0	57	0	111
Grand Total	8	893	0	3	922	3	1829
Apprch %	0.9	99.1	0	100	99.7	0.3	
Total %	0.4	48.8	0	0.2	50.4	0.2	

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	130	130	0	1	1	115	0	115	246
04:30 PM	2	85	87	0	0	0	100	0	100	187
04:45 PM	1	104	105	0	0	0	98	0	98	203
05:00 PM	2	100	102	0	1	1	111	0	111	214
Total Volume	5	419	424	0	2	2	424	0	424	850
% App. Total	1.2	98.8		0	100		100	0		
PHF	.625	.806	.815	.000	.500	.500	.922	.000	.922	.864

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 5

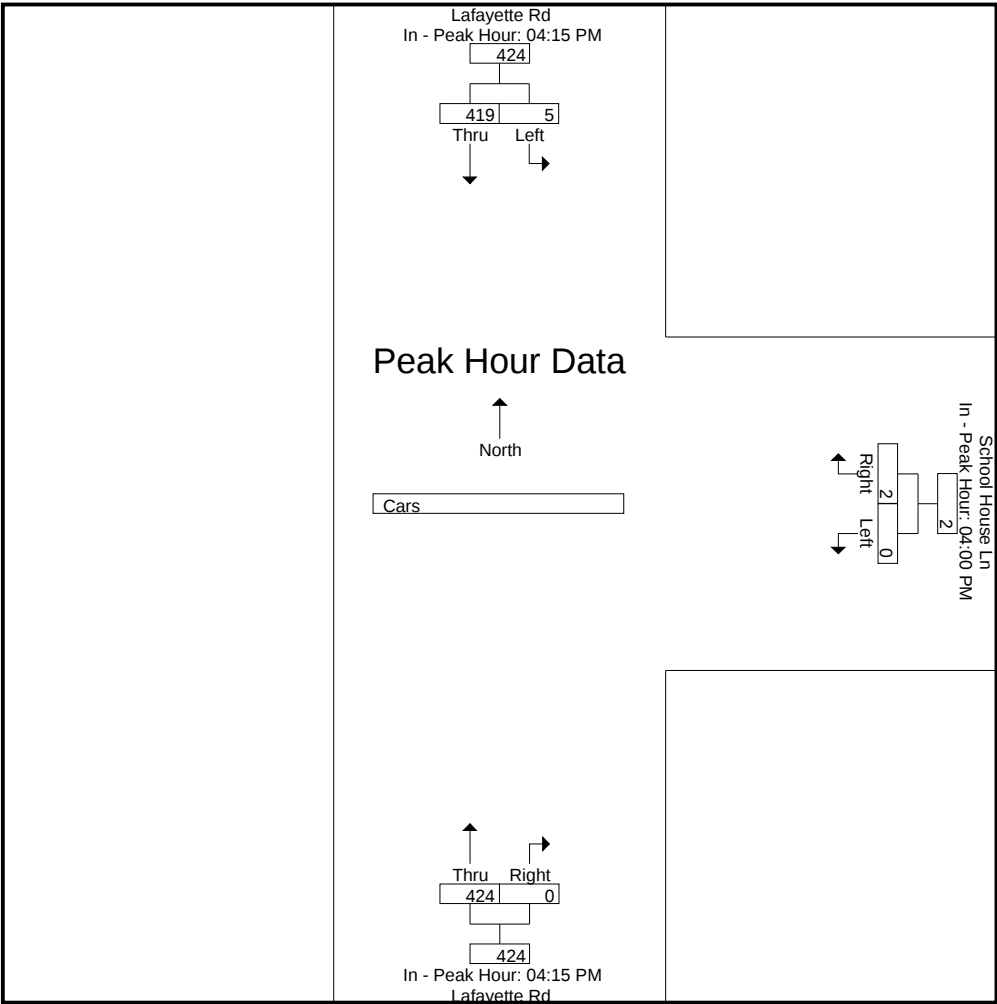


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:00 PM			04:15 PM		
+0 mins.	0	130	130	0	1	1	115	0	115
+15 mins.	2	85	87	0	1	1	100	0	100
+30 mins.	1	104	105	0	0	0	98	0	98
+45 mins.	2	100	102	0	0	0	111	0	111
Total Volume	5	419	424	0	2	2	424	0	424
% App. Total	1.2	98.8		0	100		100	0	
PHF	.625	.806	.815	.000	.500	.500	.922	.000	.922

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 6



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 7

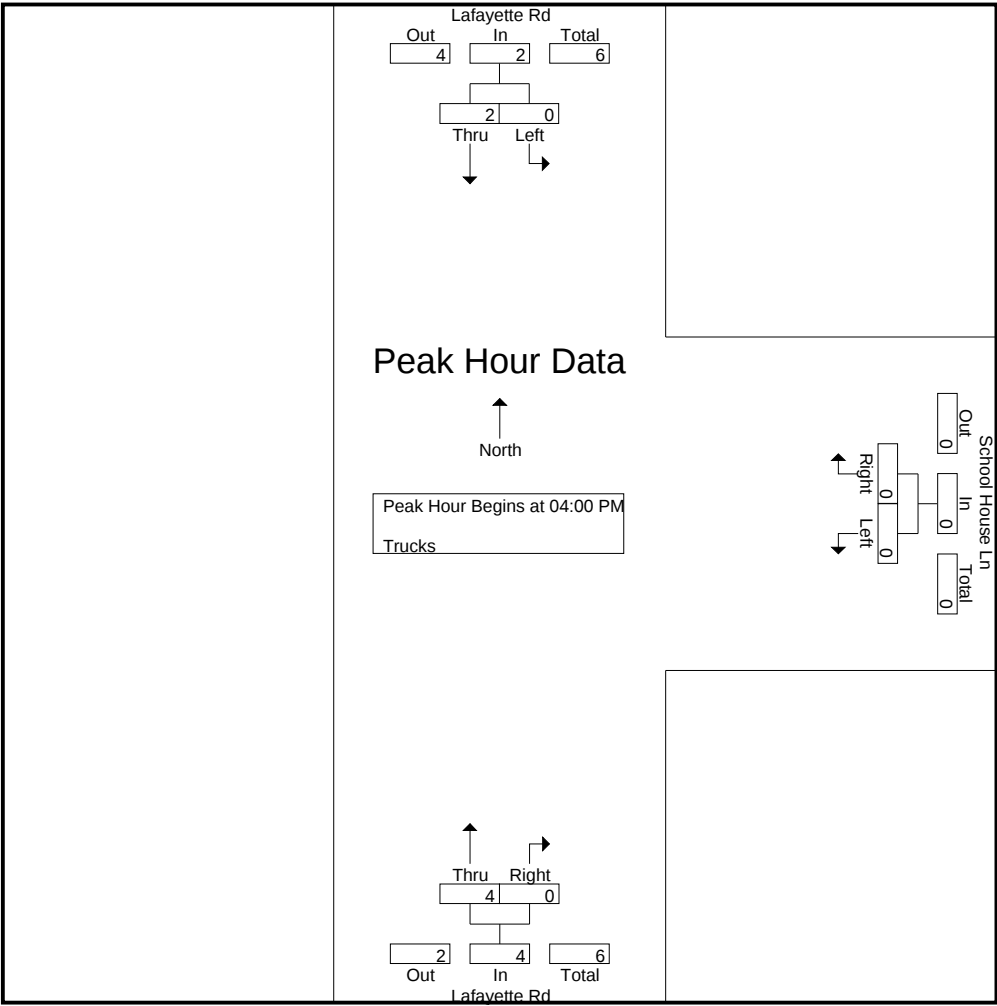
Groups Printed- Trucks

	Lafayette Rd From North		School House Ln From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	0	1	0	0	1	0	2
04:15 PM	0	0	0	0	3	0	3
04:30 PM	0	1	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0
Total	0	2	0	0	4	0	6
05:00 PM	0	0	0	0	0	0	0
05:15 PM	0	1	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	1
06:00 PM	0	1	0	0	1	0	2
06:15 PM	0	0	0	0	0	0	0
Grand Total	0	4	0	0	5	0	9
Apprch %	0	100	0	0	100	0	
Total %	0	44.4	0	0	55.6	0	

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	1	1	0	0	0	1	0	1	2
04:15 PM	0	0	0	0	0	0	3	0	3	3
04:30 PM	0	1	1	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	2	0	0	0	4	0	4	6
% App. Total	0	100		0	0		100	0		
PHF	.000	.500	.500	.000	.000	.000	.333	.000	.333	.500

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 8

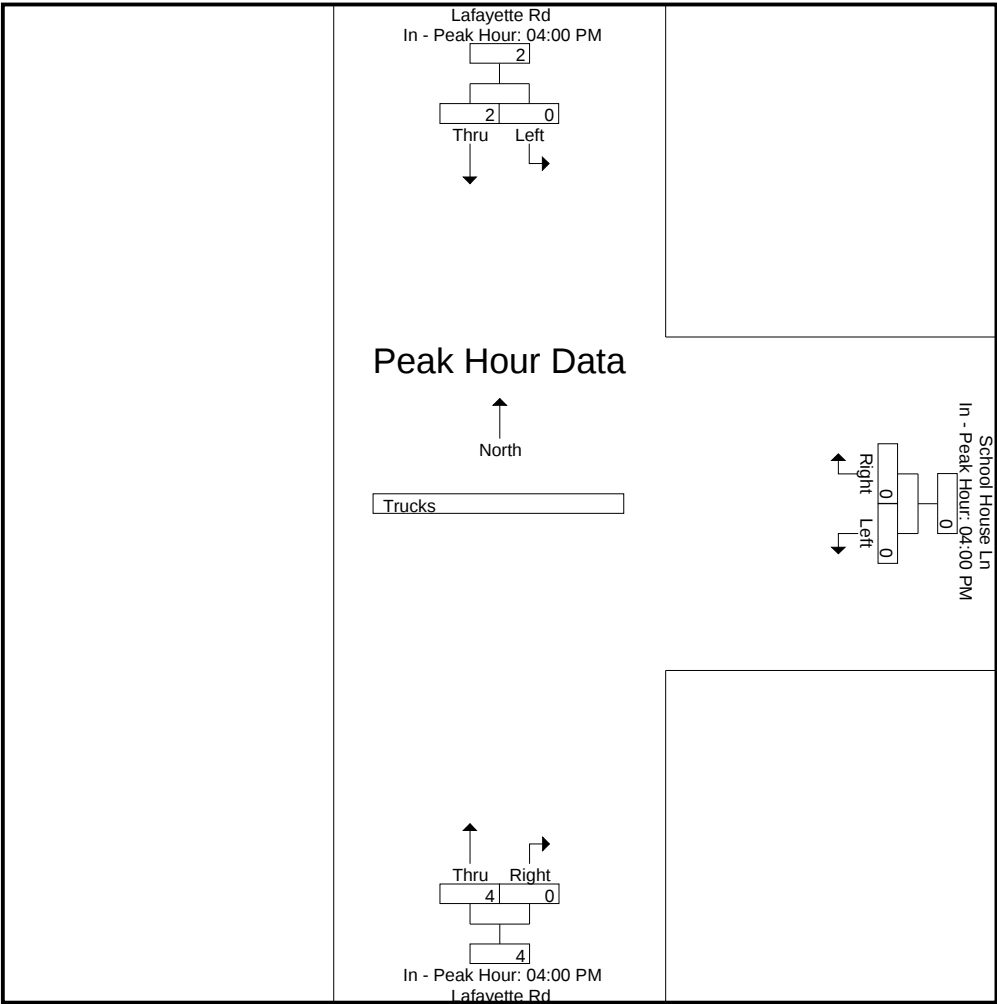


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	1	1	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	0	3	0	3
+30 mins.	0	1	1	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0
Total Volume	0	2	2	0	0	0	4	0	4
% App. Total	0	100		0	0		100	0	
PHF	.000	.500	.500	.000	.000	.000	.333	.000	.333

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 9



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 10

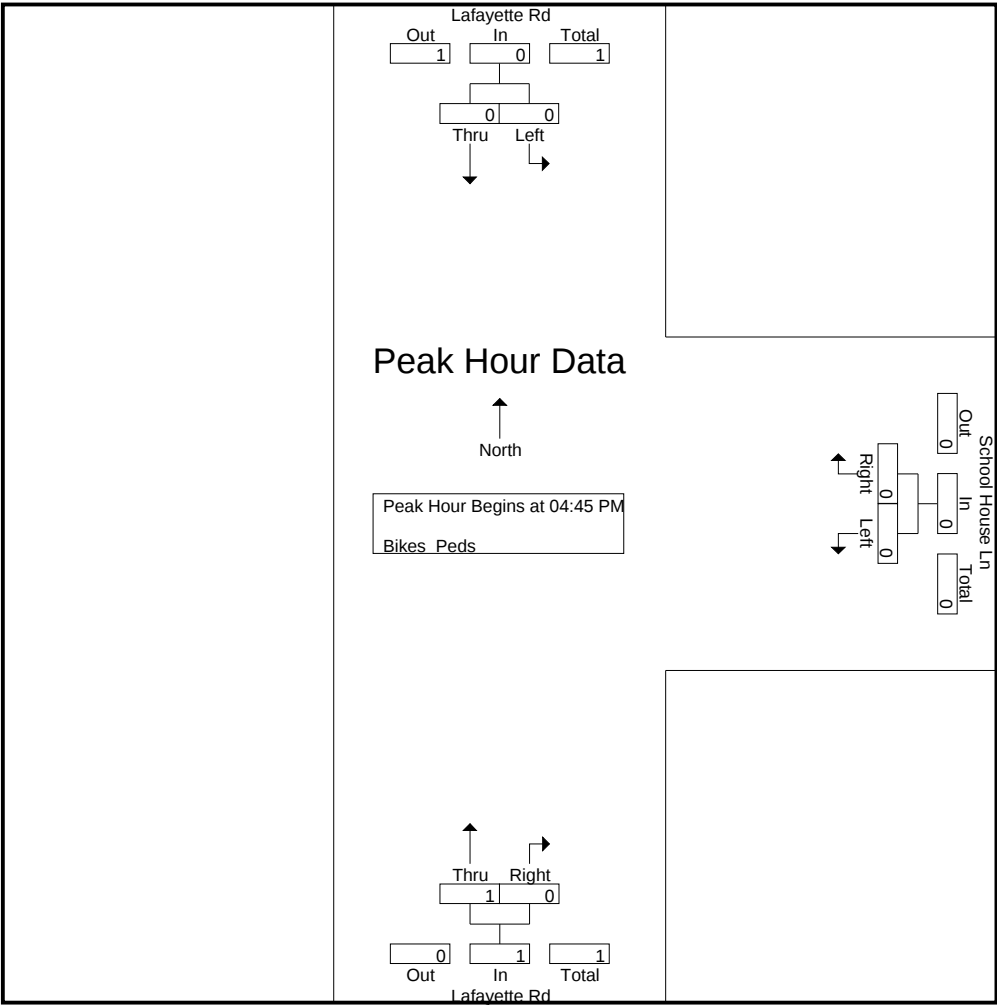
Groups Printed- Bikes Peds

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			Exclu. Total	Inclu. Total	Int. Total
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds			
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	1	0	0	0	1	0	1
Total	0	0	0	0	0	1	0	0	0	1	0	1
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	1	0	0	0	1	0	1
05:30 PM	0	0	0	0	0	0	1	0	0	0	1	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1	0	0	1	1	2
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	2	1	0	0	2	1	3
Apprch %	0	0		0	0		100	0				
Total %	0	0		0	0		100	0		66.7	33.3	

	Lafayette Rd From North			School House Ln From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	1	0	1	1
Total Volume	0	0	0	0	0	0	1	0	1	1
% App. Total	0	0		0	0		100	0		
PHF	.000	.000	.000	.000	.000	.000	.250	.000	.250	.250

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 11

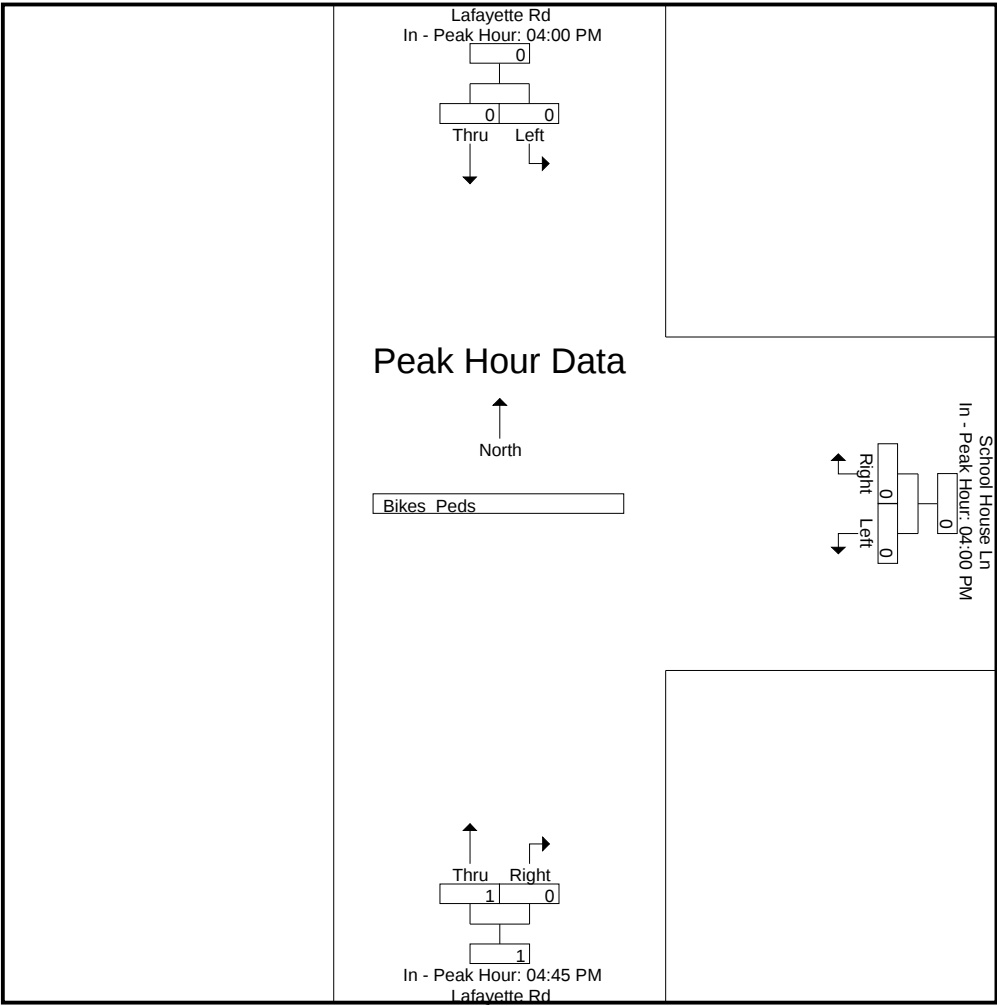


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:45 PM		
+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	1	0	1
Total Volume	0	0	0	0	0	0	1	0	1
% App. Total	0	0		0	0		100	0	
PHF	.000	.000	.000	.000	.000	.000	.250	.000	.250

N/S Street : Lafayette Road
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600001
Site Code : 28600001
Start Date : 2/24/2021
Page No : 12



Accurate Counts

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

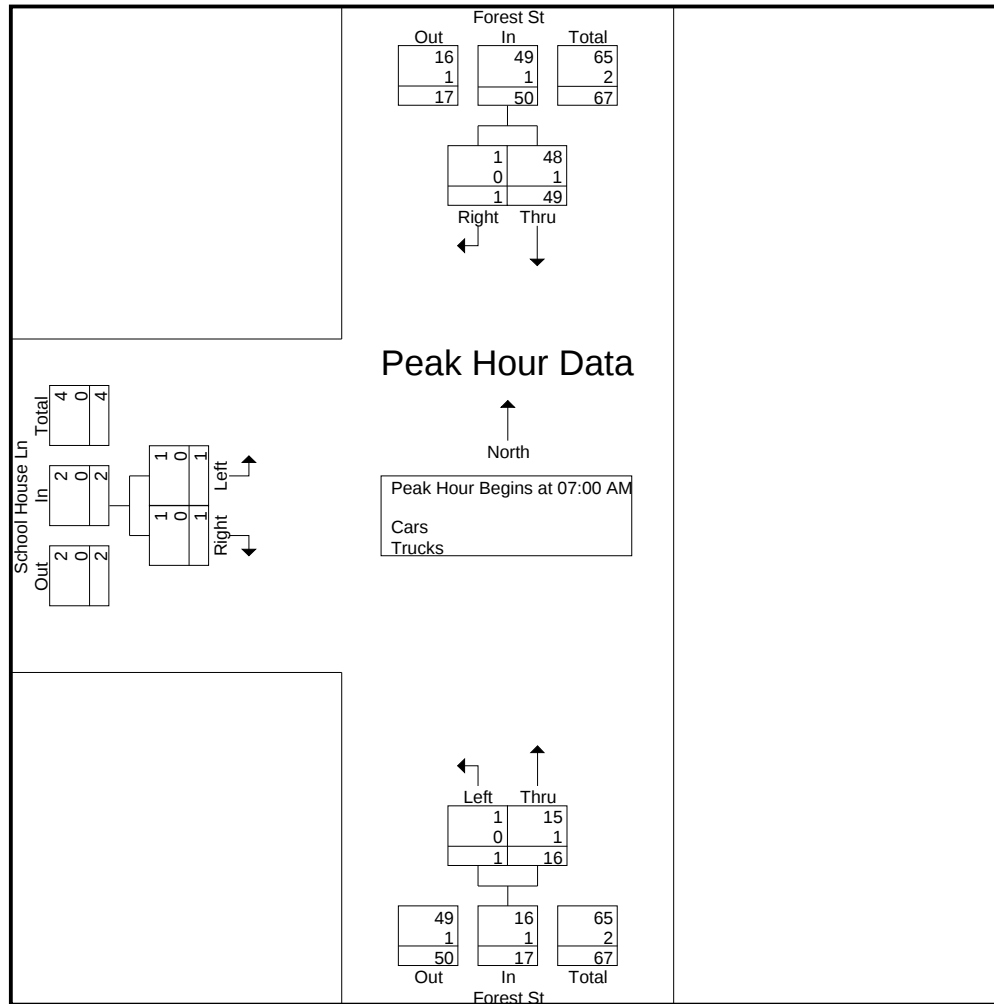
	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
07:00 AM	14	1	0	1	1	1	18
07:15 AM	10	0	0	1	0	0	11
07:30 AM	9	0	0	8	0	0	17
07:45 AM	16	0	1	6	0	0	23
Total	49	1	1	16	1	1	69
08:00 AM	9	0	0	4	0	0	13
08:15 AM	5	0	1	4	0	0	10
08:30 AM	6	0	0	5	0	0	11
08:45 AM	7	0	0	2	0	1	10
Total	27	0	1	15	0	1	44
Grand Total	76	1	2	31	1	2	113
Apprch %	98.7	1.3	6.1	93.9	33.3	66.7	
Total %	67.3	0.9	1.8	27.4	0.9	1.8	
Cars	75	1	2	29	1	1	109
% Cars	98.7	100	100	93.5	100	50	96.5
Trucks	1	0	0	2	0	1	4
% Trucks	1.3	0	0	6.5	0	50	3.5

	Forest St From North			Forest St From South			School House Ln From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	14	1	15	0	1	1	1	1	2	18
07:15 AM	10	0	10	0	1	1	0	0	0	11
07:30 AM	9	0	9	0	8	8	0	0	0	17
07:45 AM	16	0	16	1	6	7	0	0	0	23
Total Volume	49	1	50	1	16	17	1	1	2	69
% App. Total	98	2		5.9	94.1		50	50		
PHF	.766	.250	.781	.250	.500	.531	.250	.250	.250	.750
Cars	48	1	49	1	15	16	1	1	2	67
% Cars	98.0	100	98.0	100	93.8	94.1	100	100	100	97.1
Trucks	1	0	1	0	1	1	0	0	0	2
% Trucks	2.0	0	2.0	0	6.3	5.9	0	0	0	2.9

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 2

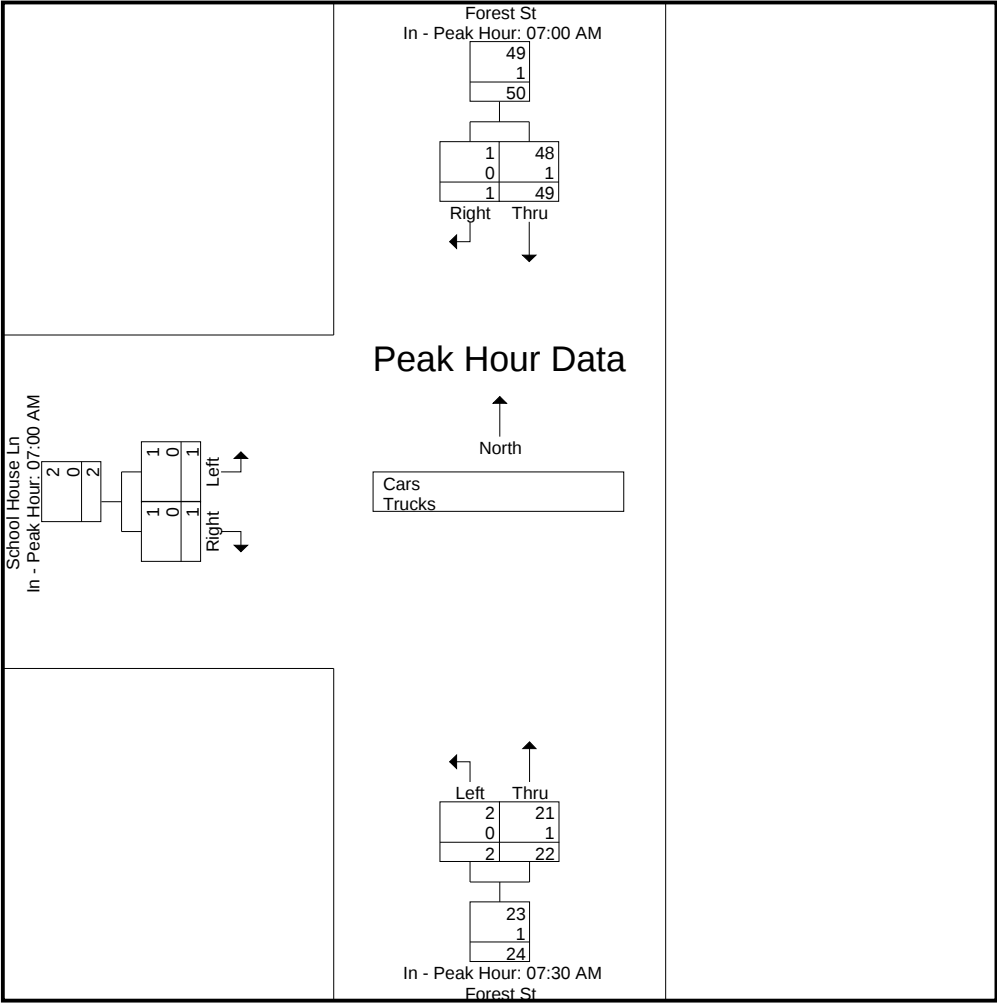


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			07:30 AM			07:00 AM		
+0 mins.	14	1	15	0	8	8	1	1	2
+15 mins.	10	0	10	1	6	7	0	0	0
+30 mins.	9	0	9	0	4	4	0	0	0
+45 mins.	16	0	16	1	4	5	0	0	0
Total Volume	49	1	50	2	22	24	1	1	2
% App. Total	98	2		8.3	91.7		50	50	
PHF	.766	.250	.781	.500	.688	.750	.250	.250	.250
Cars	48	1	49	2	21	23	1	1	2
% Cars	98	100	98	100	95.5	95.8	100	100	100
Trucks	1	0	1	0	1	1	0	0	0
% Trucks	2	0	2	0	4.5	4.2	0	0	0

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 4

Groups Printed- Cars

	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
07:00 AM	14	1	0	1	1	1	18
07:15 AM	9	0	0	1	0	0	10
07:30 AM	9	0	0	8	0	0	17
07:45 AM	16	0	1	5	0	0	22
Total	48	1	1	15	1	1	67
08:00 AM	9	0	0	4	0	0	13
08:15 AM	5	0	1	4	0	0	10
08:30 AM	6	0	0	4	0	0	10
08:45 AM	7	0	0	2	0	0	9
Total	27	0	1	14	0	0	42
Grand Total	75	1	2	29	1	1	109
Apprch %	98.7	1.3	6.5	93.5	50	50	
Total %	68.8	0.9	1.8	26.6	0.9	0.9	

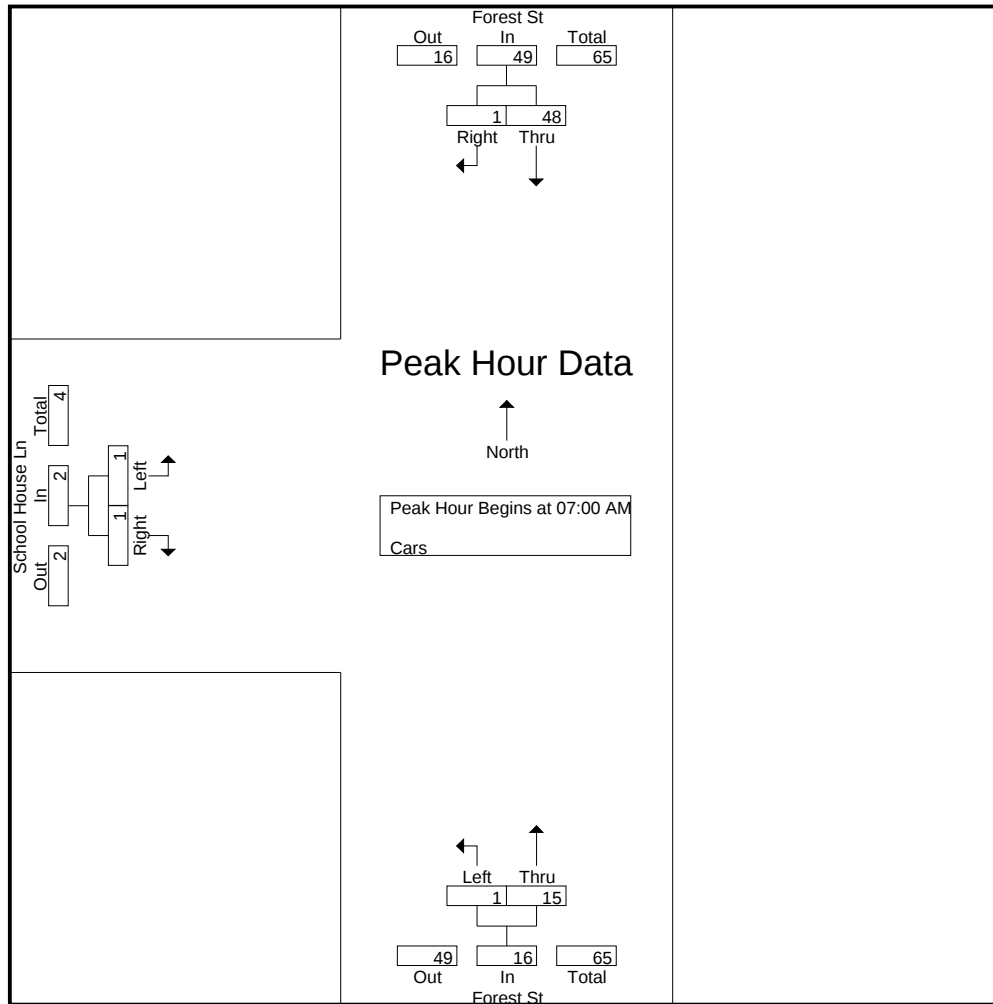
	Forest St From North			Forest St From South			School House Ln From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	14	1	15	0	1	1	1	1	2	18
07:15 AM	9	0	9	0	1	1	0	0	0	10
07:30 AM	9	0	9	0	8	8	0	0	0	17
07:45 AM	16	0	16	1	5	6	0	0	0	22
Total Volume	48	1	49	1	15	16	1	1	2	67
% App. Total	98	2		6.2	93.8		50	50		
PHF	.750	.250	.766	.250	.469	.500	.250	.250	.250	.761

Accurate Counts

978-664-2565

N/S Street : Forest Street
 E/W Street : School House Lane
 City/State : Salisbury, MA
 Weather : Clear

File Name : 28600002
 Site Code : 28600002
 Start Date : 2/24/2021
 Page No : 5

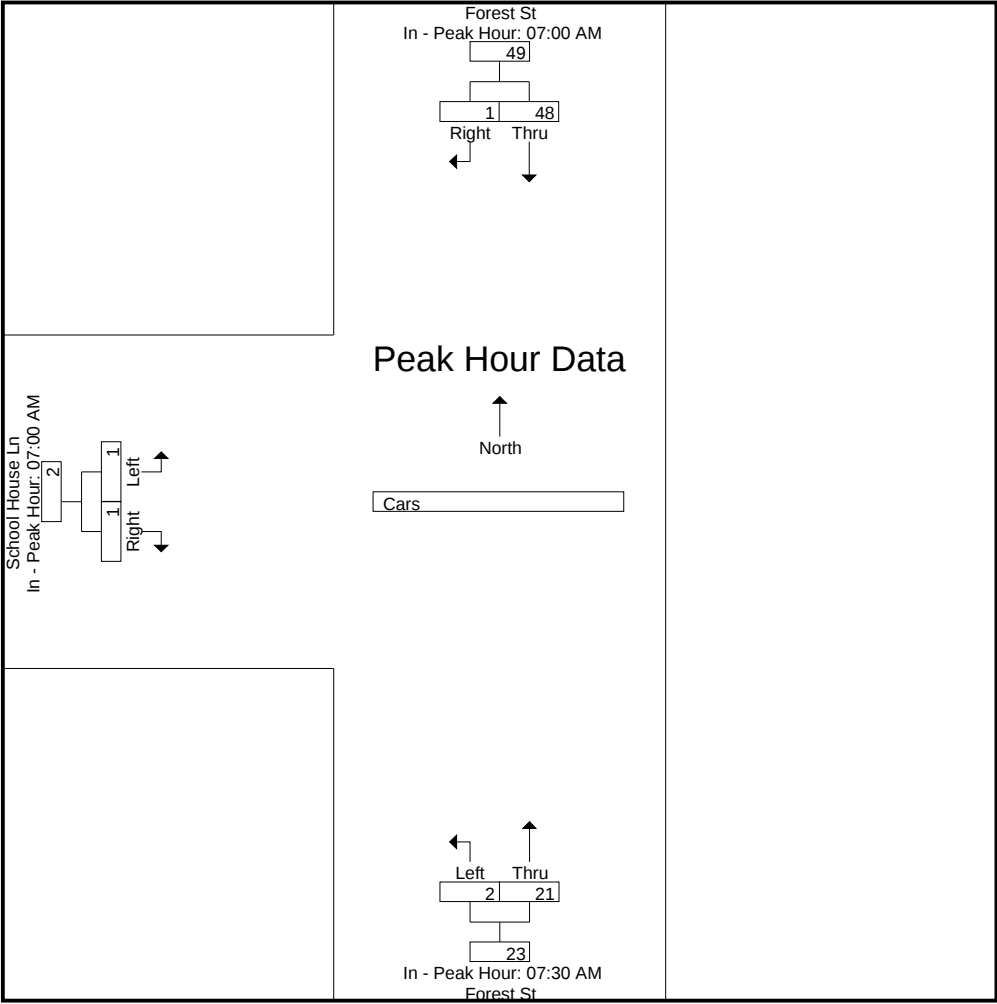


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	07:00 AM			07:30 AM			07:00 AM		
+0 mins.	14	1	15	0	8	8	1	1	2
+15 mins.	9	0	9	1	5	6	0	0	0
+30 mins.	9	0	9	0	4	4	0	0	0
+45 mins.	16	0	16	1	4	5	0	0	0
Total Volume	48	1	49	2	21	23	1	1	2
% App. Total	98	2		8.7	91.3		50	50	
PHF	.750	.250	.766	.500	.656	.719	.250	.250	.250

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 6



Accurate Counts

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 7

Groups Printed- Trucks

	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
07:00 AM	0	0	0	0	0	0	0
07:15 AM	1	0	0	0	0	0	1
07:30 AM	0	0	0	0	0	0	0
07:45 AM	0	0	0	1	0	0	1
Total	1	0	0	1	0	0	2
08:00 AM	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0
08:30 AM	0	0	0	1	0	0	1
08:45 AM	0	0	0	0	0	1	1
Total	0	0	0	1	0	1	2
Grand Total	1	0	0	2	0	1	4
Apprch %	100	0	0	100	0	100	
Total %	25	0	0	50	0	25	

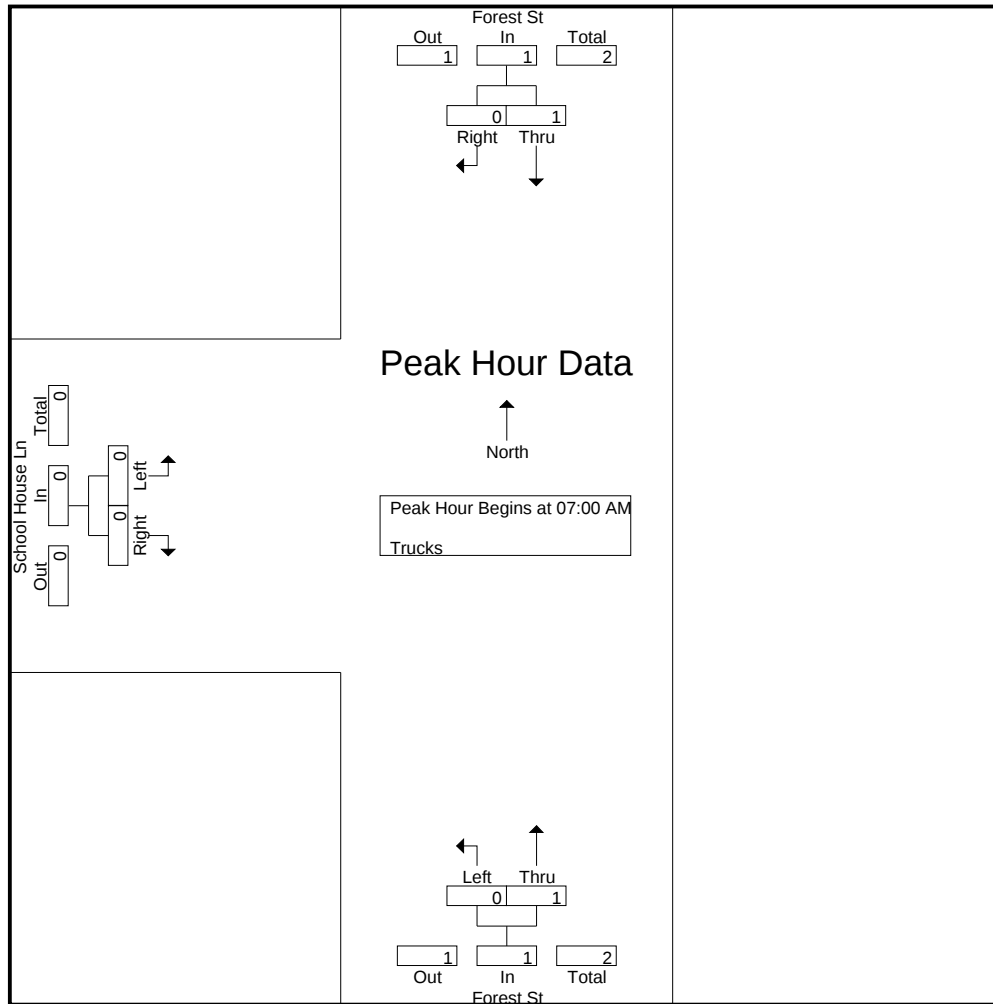
	Forest St From North			Forest St From South			School House Ln From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM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

Accurate Counts

978-664-2565

N/S Street : Forest Street
 E/W Street : School House Lane
 City/State : Salisbury, MA
 Weather : Clear

File Name : 28600002
 Site Code : 28600002
 Start Date : 2/24/2021
 Page No : 8

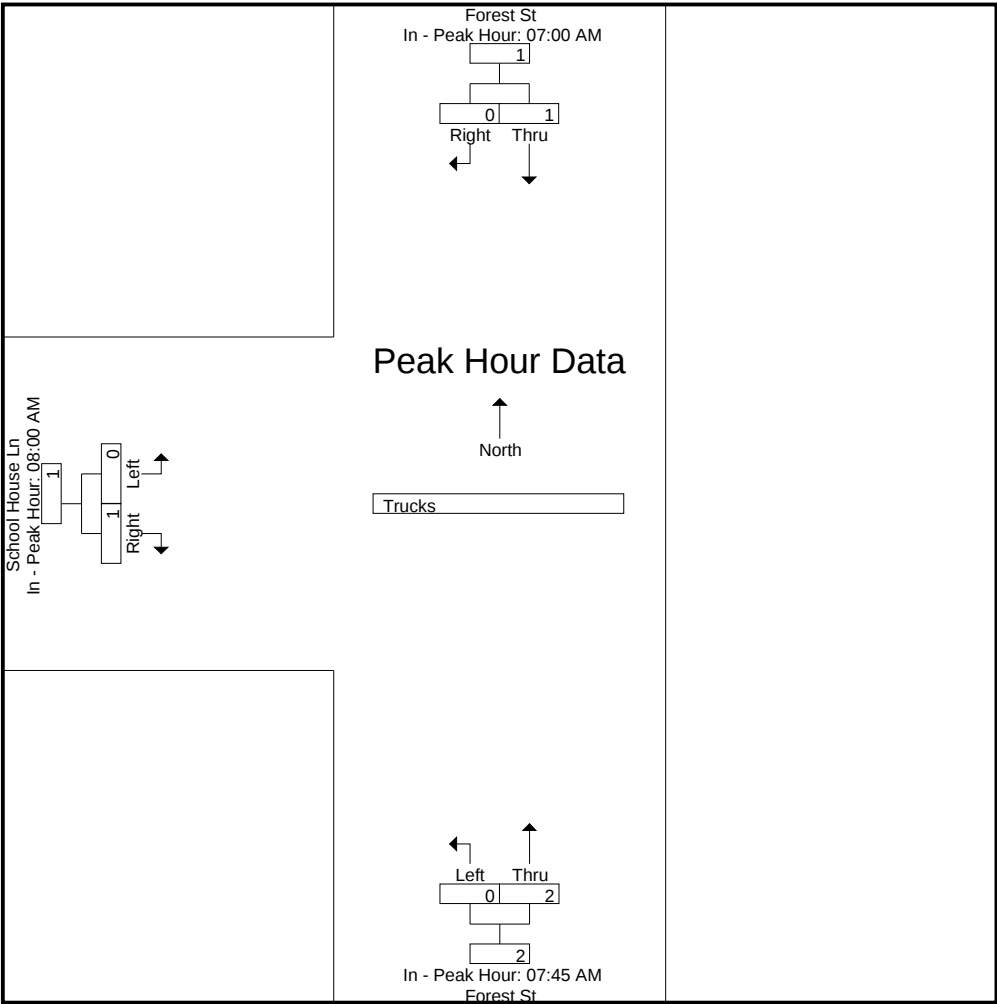


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	07:00 AM			07:45 AM			08:00 AM		
+0 mins.	0	0	0	0	1	1	0	0	0
+15 mins.	1	0	1	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	1	1	0	1	1
Total Volume	1	0	1	0	2	2	0	1	1
% App. Total	100	0		0	100		0	100	
PHF	.250	.000	.250	.000	.500	.500	.000	.250	.250

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 9



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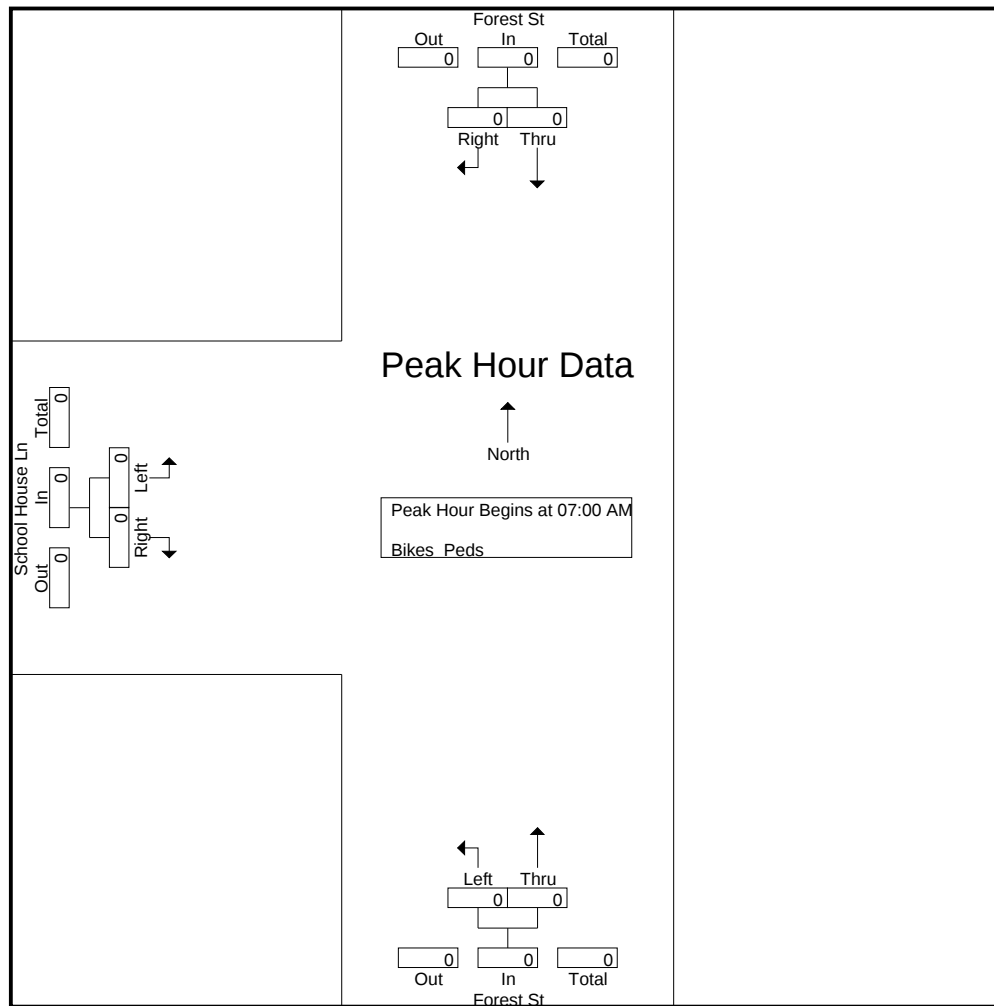
File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 10

[illegible][illegible]

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 11

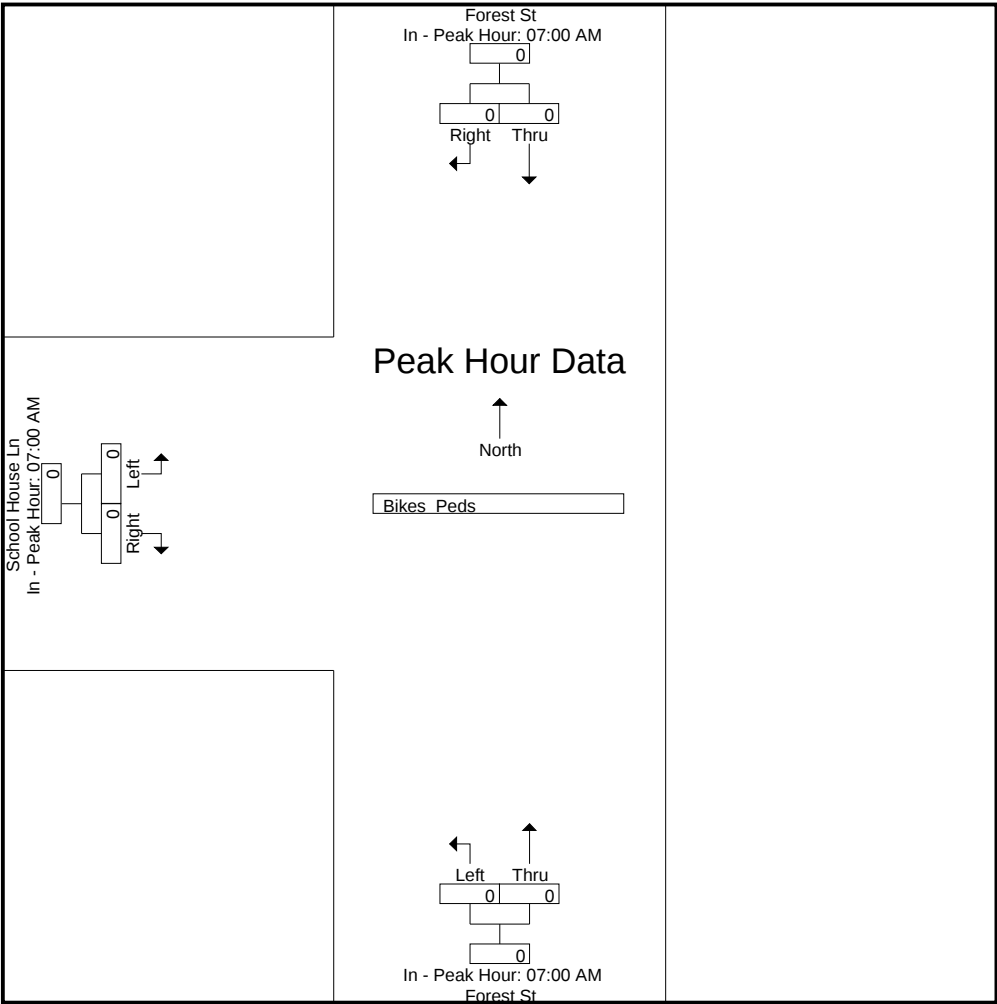


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 12



Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

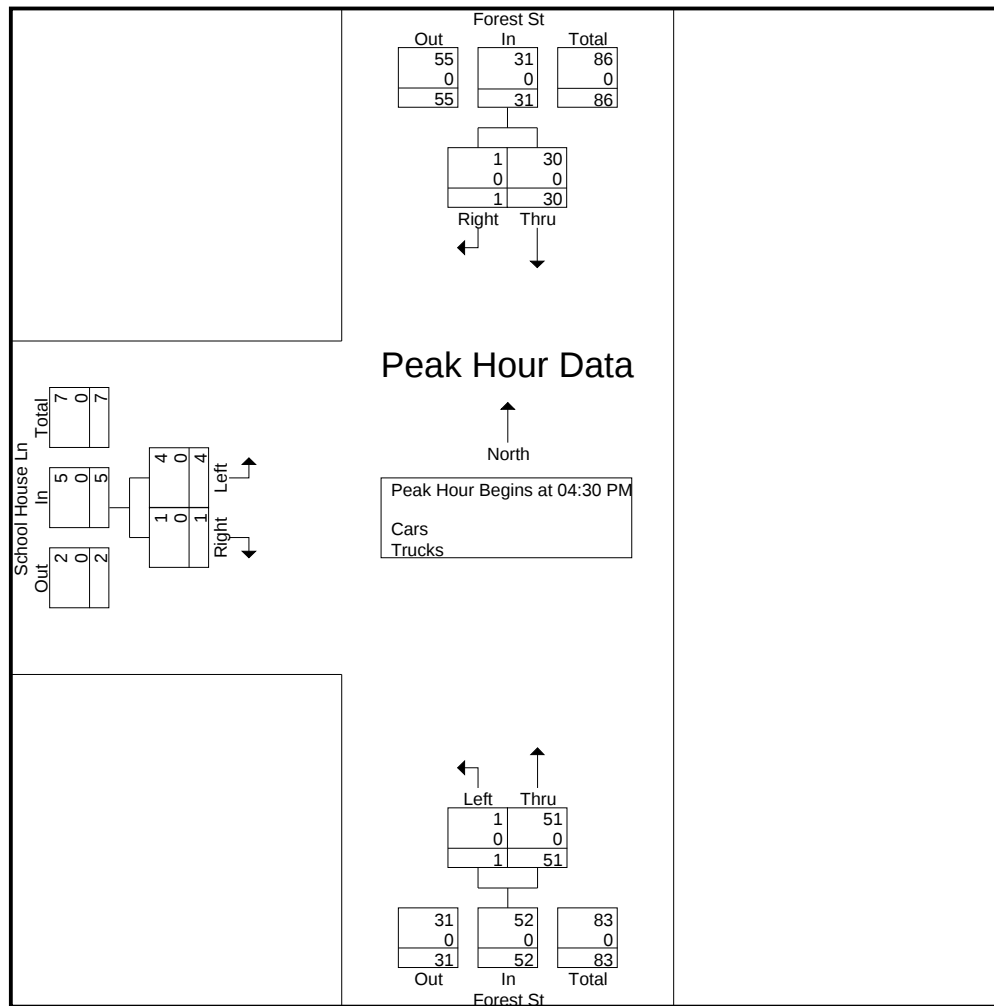
	Groups - Pkts - Cars - Trucks						
	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
04:00 PM	3	0	1	13	0	0	17
04:15 PM	7	1	0	6	0	0	14
04:30 PM	8	0	0	13	1	0	22
04:45 PM	8	0	1	14	1	0	24
Total	26	1	2	46	2	0	77
05:00 PM	7	1	0	12	2	1	23
05:15 PM	7	0	0	12	0	0	19
05:30 PM	4	0	0	9	0	1	14
05:45 PM	7	0	0	8	0	1	16
Total	25	1	0	41	2	3	72
06:00 PM	1	0	0	5	1	0	7
06:15 PM	3	0	0	8	0	0	11
Grand Total	55	2	2	100	5	3	167
Apprch %	96.5	3.5	2	98	62.5	37.5	
Total %	32.9	1.2	1.2	59.9	3	1.8	
Cars	55	2	2	100	5	3	167
% Cars	100	100	100	100	100	100	100
Trucks	0	0	0	0	0	0	0
% Trucks	0	0	0	0	0	0	0

[illegible]

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 2

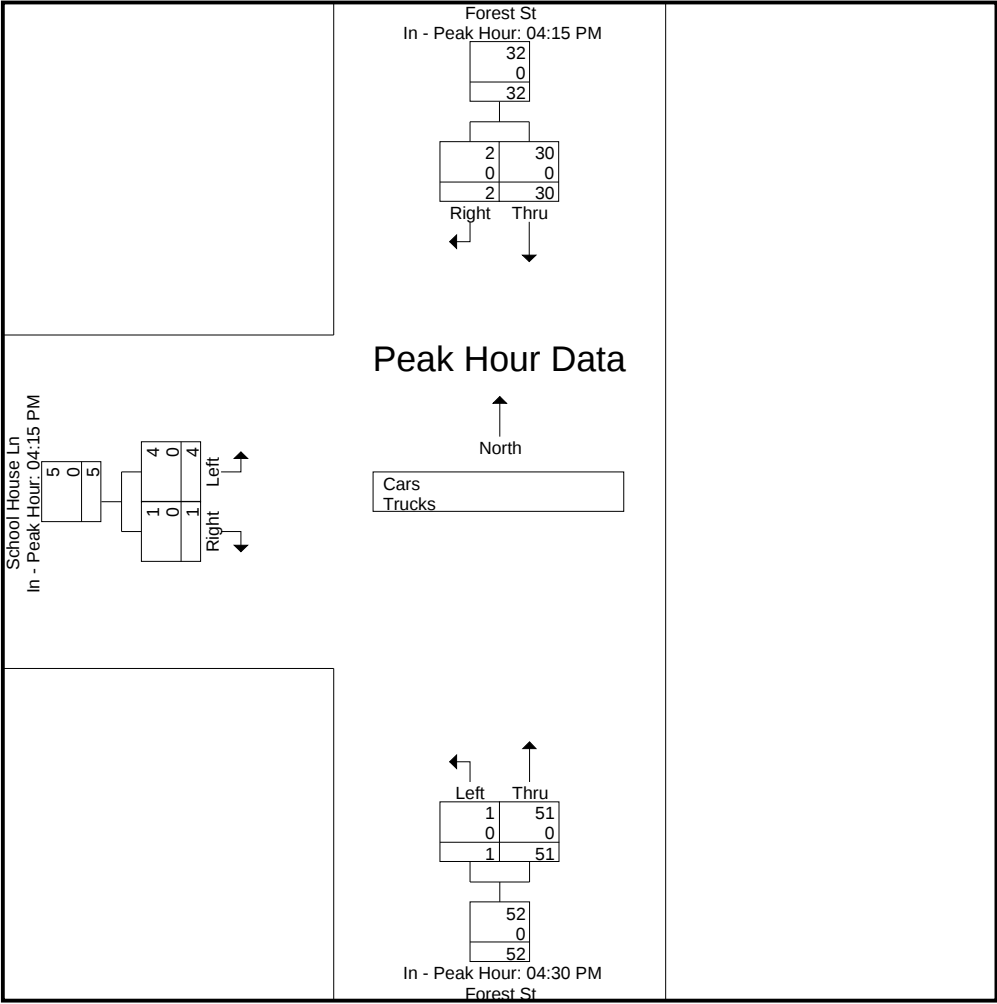


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 4

Groups Printed- Cars

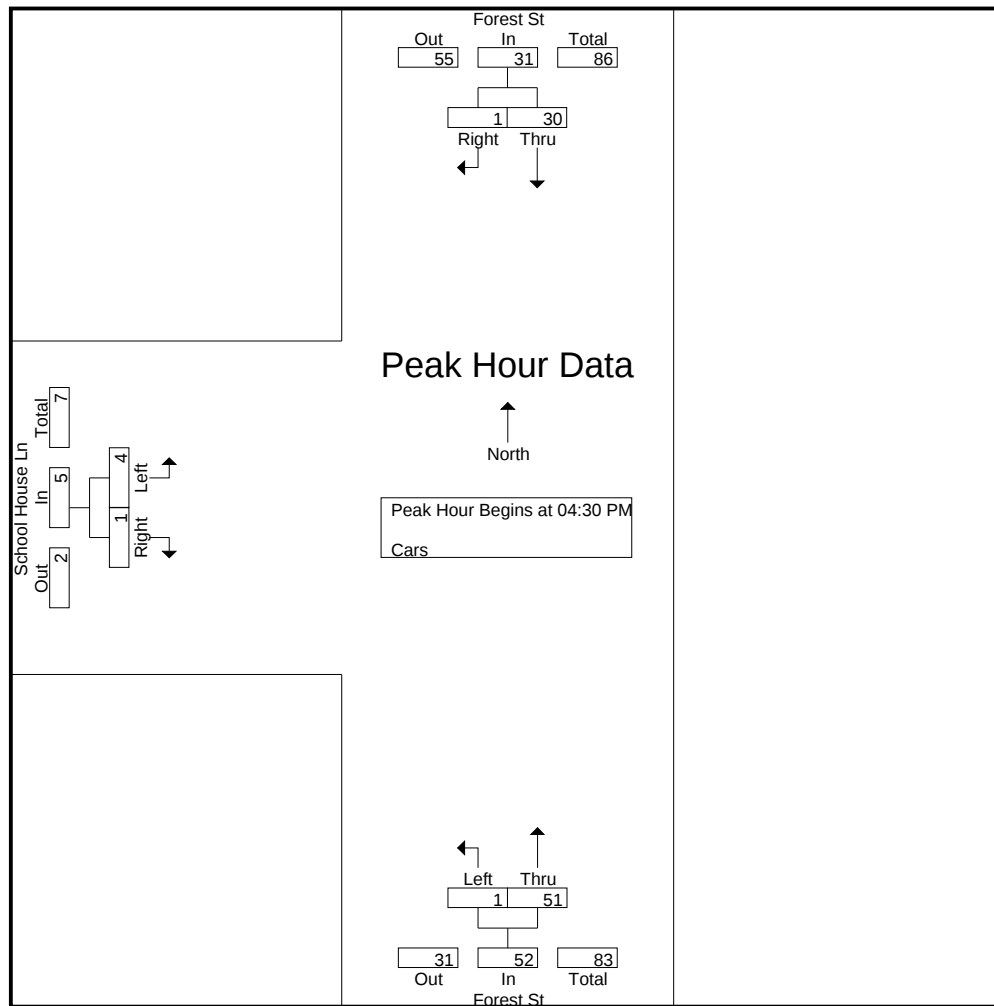
	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
04:00 PM	3	0	1	13	0	0	17
04:15 PM	7	1	0	6	0	0	14
04:30 PM	8	0	0	13	1	0	22
04:45 PM	8	0	1	14	1	0	24
Total	26	1	2	46	2	0	77
05:00 PM	7	1	0	12	2	1	23
05:15 PM	7	0	0	12	0	0	19
05:30 PM	4	0	0	9	0	1	14
05:45 PM	7	0	0	8	0	1	16
Total	25	1	0	41	2	3	72
06:00 PM	1	0	0	5	1	0	7
06:15 PM	3	0	0	8	0	0	11
Grand Total	55	2	2	100	5	3	167
Apprch %	96.5	3.5	2	98	62.5	37.5	
Total %	32.9	1.2	1.2	59.9	3	1.8	

	Forest St From North			Forest St From South			School House Ln From West			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	8	0	8	0	13	13	1	0	1	22
04:45 PM	8	0	8	1	14	15	1	0	1	24
05:00 PM	7	1	8	0	12	12	2	1	3	23
05:15 PM	7	0	7	0	12	12	0	0	0	19
Total Volume	30	1	31	1	51	52	4	1	5	88
% App. Total	96.8	3.2		1.9	98.1		80	20		
PHF	.938	.250	.969	.250	.911	.867	.500	.250	.417	.917

Accurate Counts
978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 5

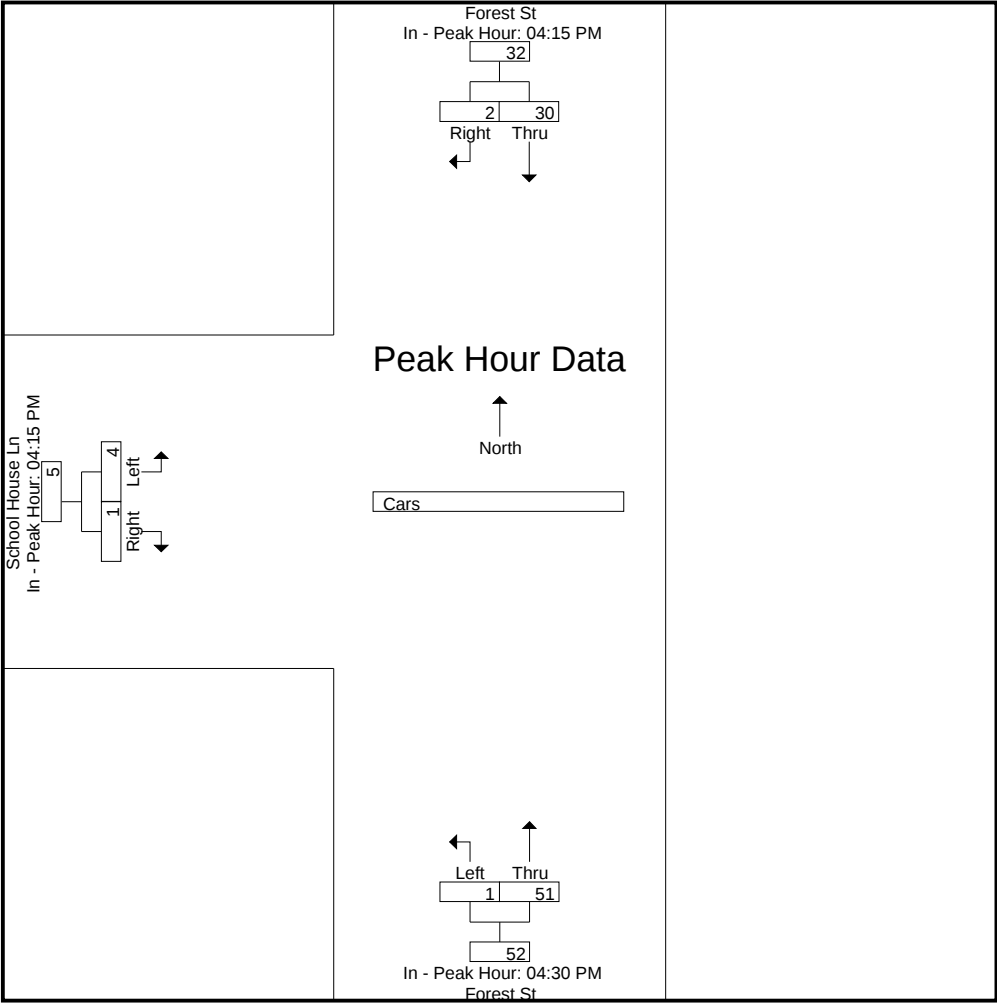


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:30 PM			04:15 PM		
+0 mins.	7	1	8	0	13	13	0	0	0
+15 mins.	8	0	8	1	14	15	1	0	1
+30 mins.	8	0	8	0	12	12	1	0	1
+45 mins.	7	1	8	0	12	12	2	1	3
Total Volume	30	2	32	1	51	52	4	1	5
% App. Total	93.8	6.2		1.9	98.1		80	20	
PHF	.938	.500	1.000	.250	.911	.867	.500	.250	.417

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 6



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File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 7

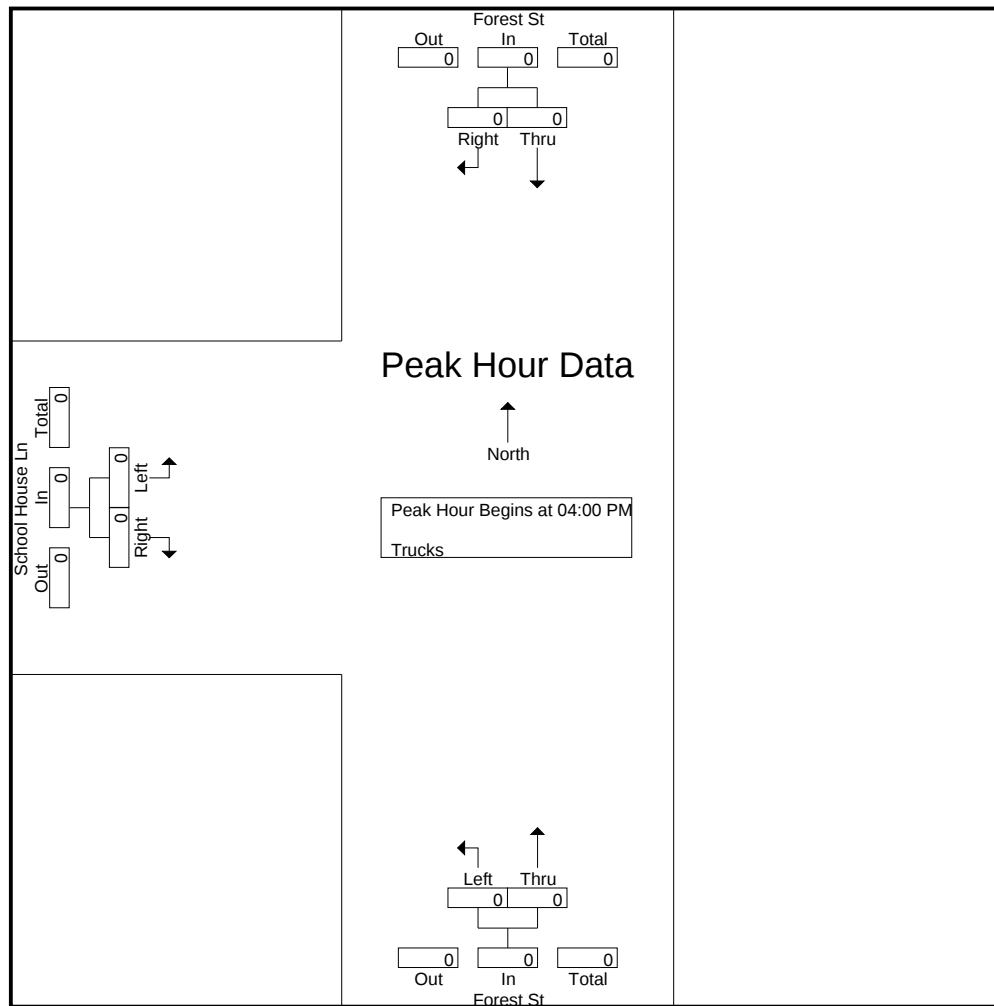
	Forest St From North		Forest St From South		School House Ln From West		
Start Time	Thru	Right	Left	Thru	Left	Right	Int. Total
04:00 PM	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0
06:00 PM	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	0	0
Apprch %	0	0	0	0	0	0	
Total %							

[illegible]

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 8

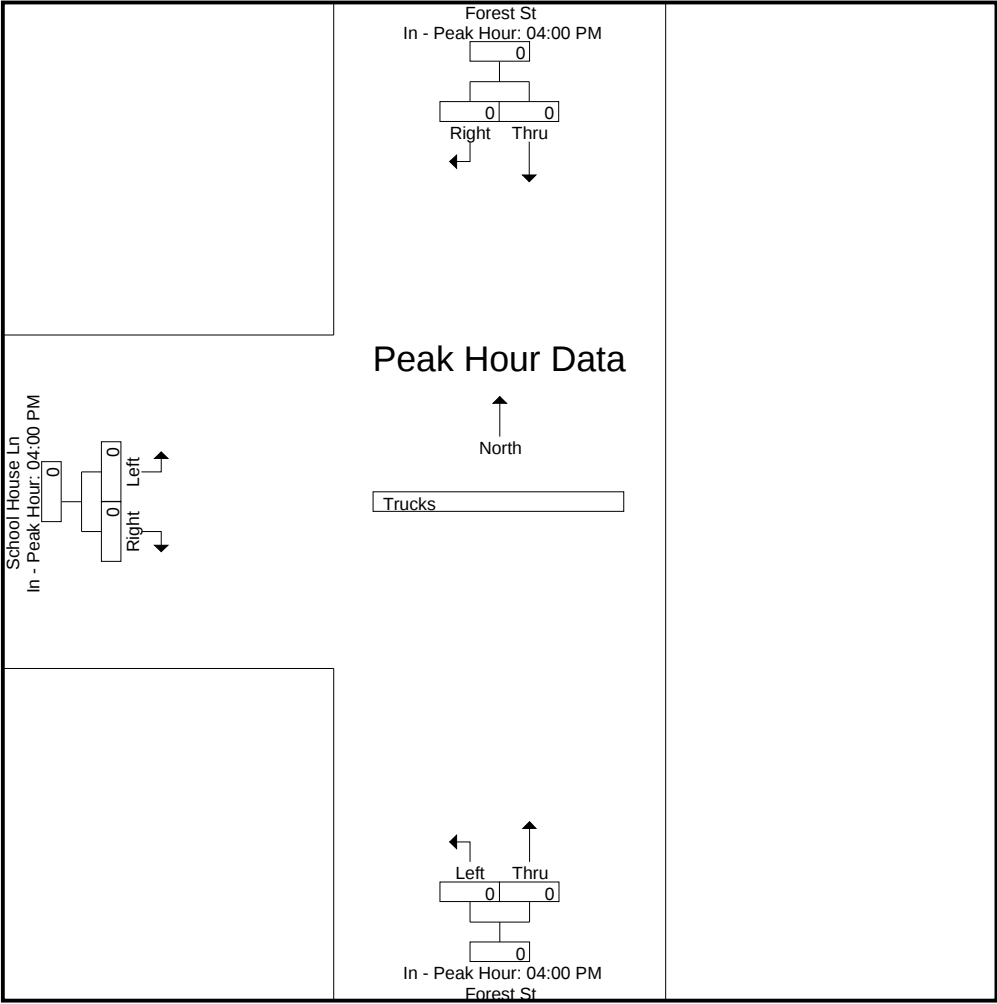


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 9



978-664-2565

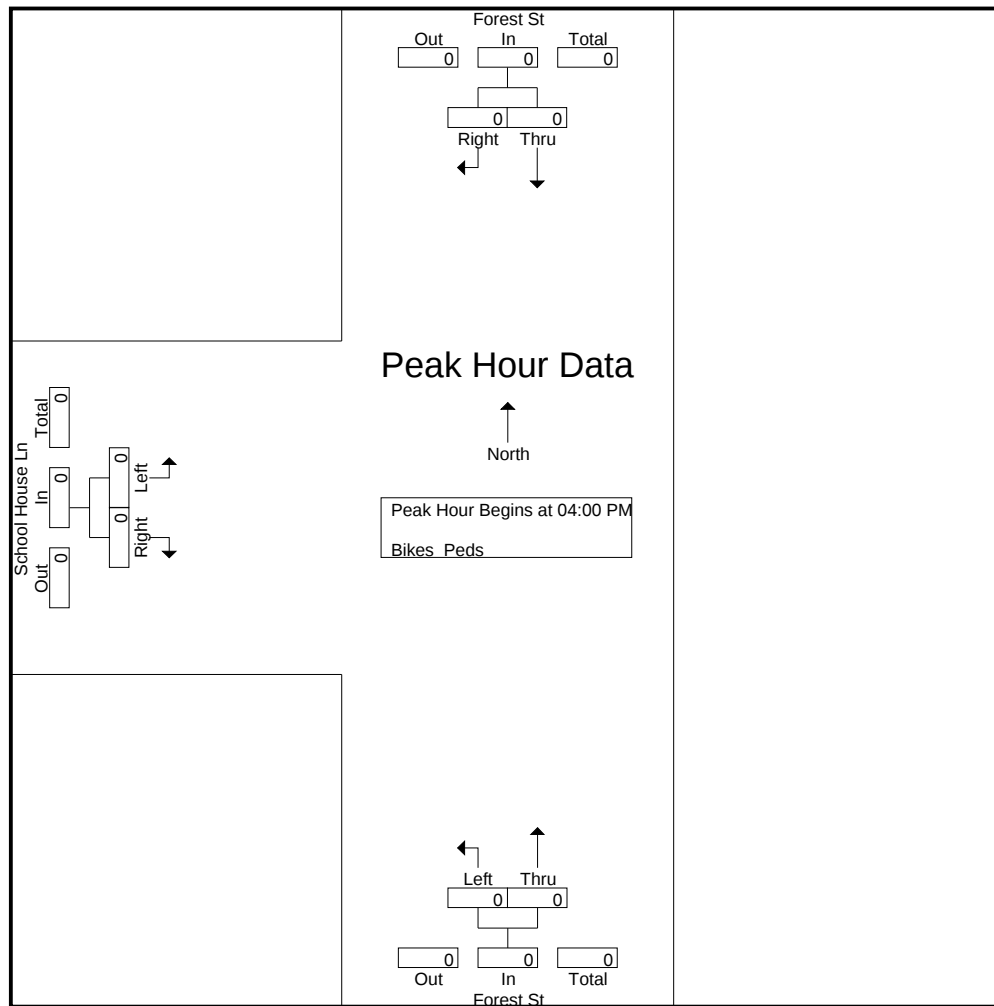
File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 10

[illegible][illegible]

978-664-2565

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 11

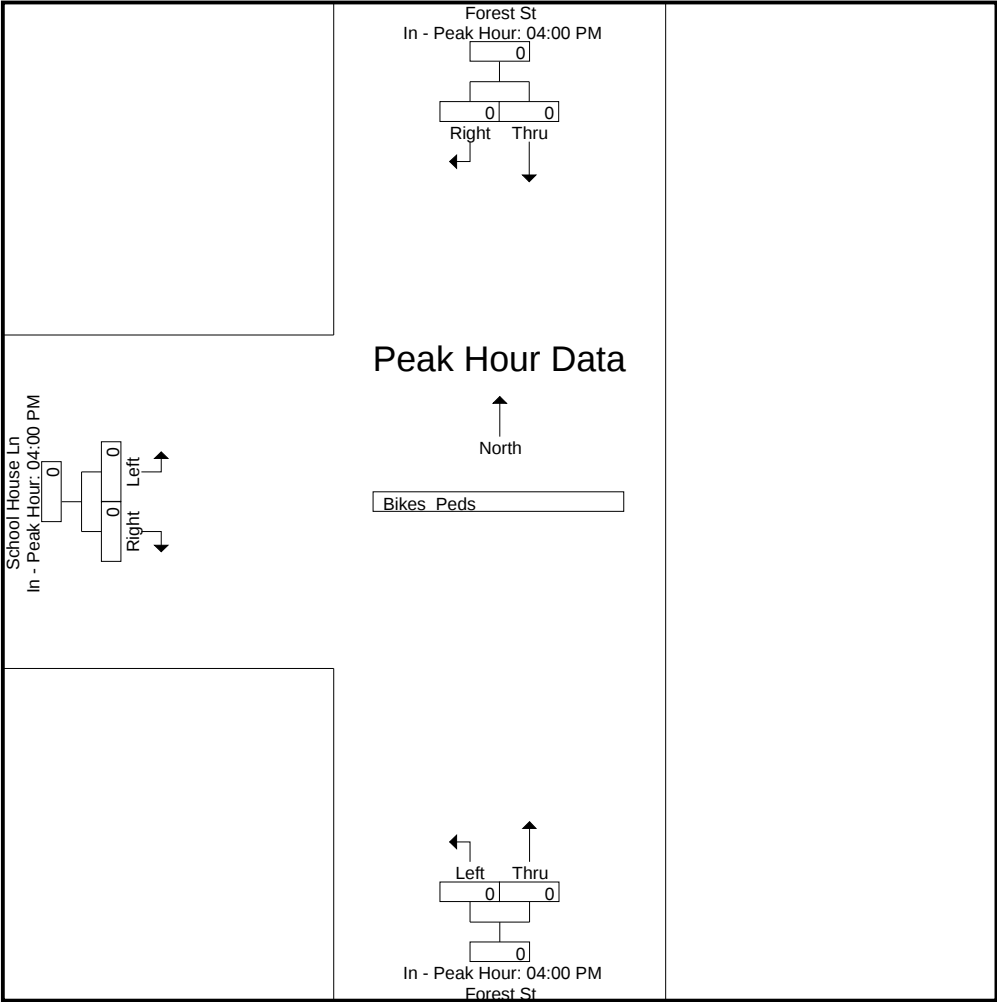


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Forest Street
E/W Street : School House Lane
City/State : Salisbury, MA
Weather : Clear

File Name : 28600002
Site Code : 28600002
Start Date : 2/24/2021
Page No : 12



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

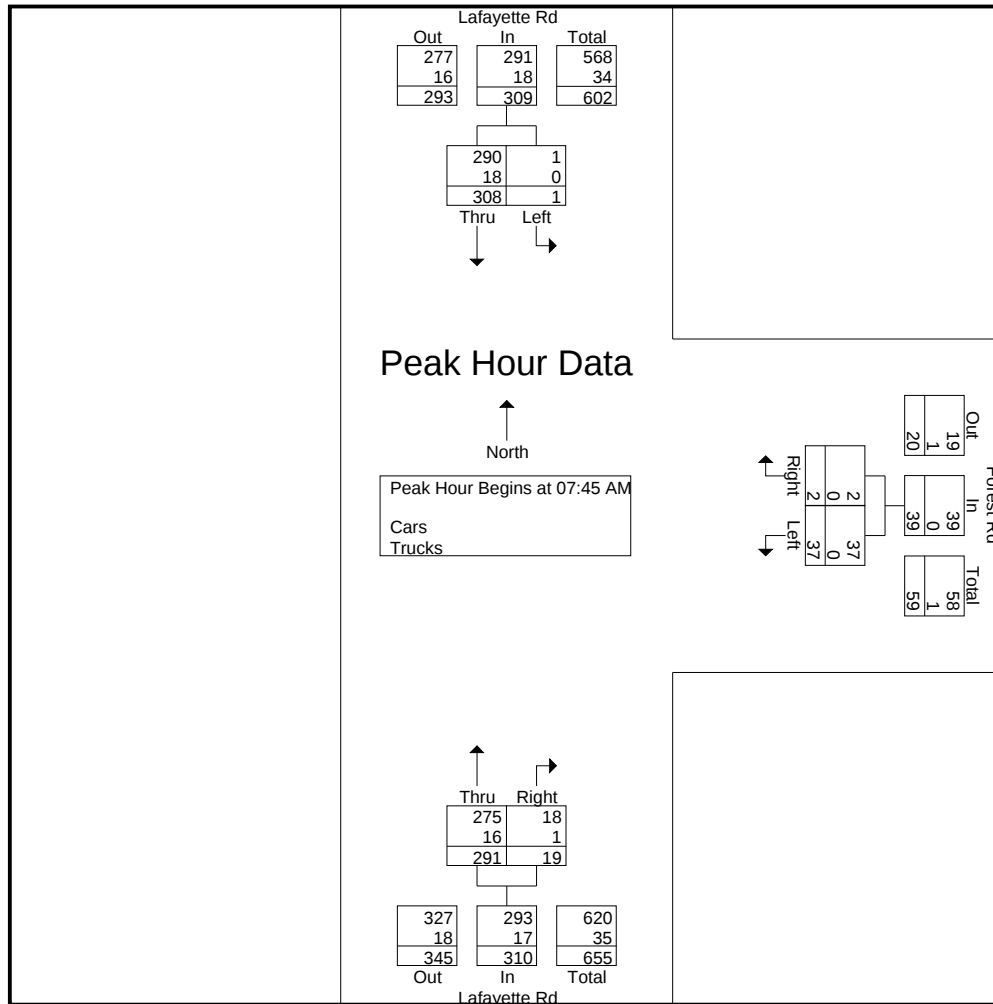
	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	39	15	1	42	2	99
07:15 AM	2	67	10	0	36	1	116
07:30 AM	0	53	11	1	58	9	132
07:45 AM	1	73	15	2	57	5	153
Total	3	232	51	4	193	17	500
08:00 AM	0	70	10	0	101	5	186
08:15 AM	0	83	4	0	71	4	162
08:30 AM	0	82	8	0	62	5	157
08:45 AM	2	58	8	1	59	3	131
Total	2	293	30	1	293	17	636
Grand Total	5	525	81	5	486	34	1136
Apprch %	0.9	99.1	94.2	5.8	93.5	6.5	
Total %	0.4	46.2	7.1	0.4	42.8	3	
Cars	5	500	80	5	463	33	1086
% Cars	100	95.2	98.8	100	95.3	97.1	95.6
Trucks	0	25	1	0	23	1	50
% Trucks	0	4.8	1.2	0	4.7	2.9	4.4

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	1	73	74	15	2	17	57	5	62	153
08:00 AM	0	70	70	10	0	10	101	5	106	186
08:15 AM	0	83	83	4	0	4	71	4	75	162
08:30 AM	0	82	82	8	0	8	62	5	67	157
Total Volume	1	308	309	37	2	39	291	19	310	658
% App. Total	0.3	99.7		94.9	5.1		93.9	6.1		
PHF	.250	.928	.931	.617	.250	.574	.720	.950	.731	.884
Cars	1	290	291	37	2	39	275	18	293	623
% Cars	100	94.2	94.2	100	100	100	94.5	94.7	94.5	94.7
Trucks	0	18	18	0	0	0	16	1	17	35
% Trucks	0	5.8	5.8	0	0	0	5.5	5.3	5.5	5.3

Accurate Counts
978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 2



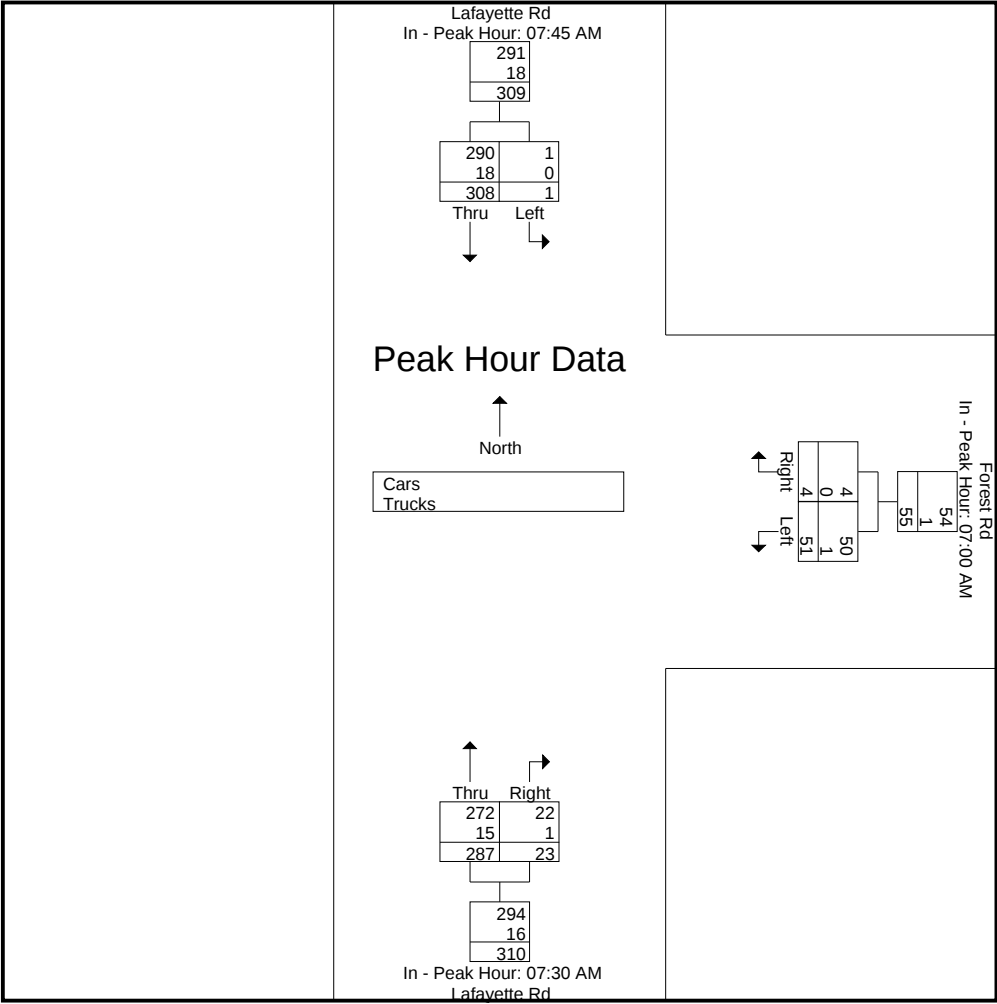
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:00 AM			07:30 AM		
+0 mins.	1	73	74	15	1	16	58	9	67
+15 mins.	0	70	70	10	0	10	57	5	62
+30 mins.	0	83	83	11	1	12	101	5	106
+45 mins.	0	82	82	15	2	17	71	4	75
Total Volume	1	308	309	51	4	55	287	23	310
% App. Total	0.3	99.7		92.7	7.3		92.6	7.4	
PHF	.250	.928	.931	.850	.500	.809	.710	.639	.731
Cars	1	290	291	50	4	54	272	22	294
% Cars	100	94.2	94.2	98	100	98.2	94.8	95.7	94.8
Trucks	0	18	18	1	0	1	15	1	16
% Trucks	0	5.8	5.8	2	0	1.8	5.2	4.3	5.2

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 4

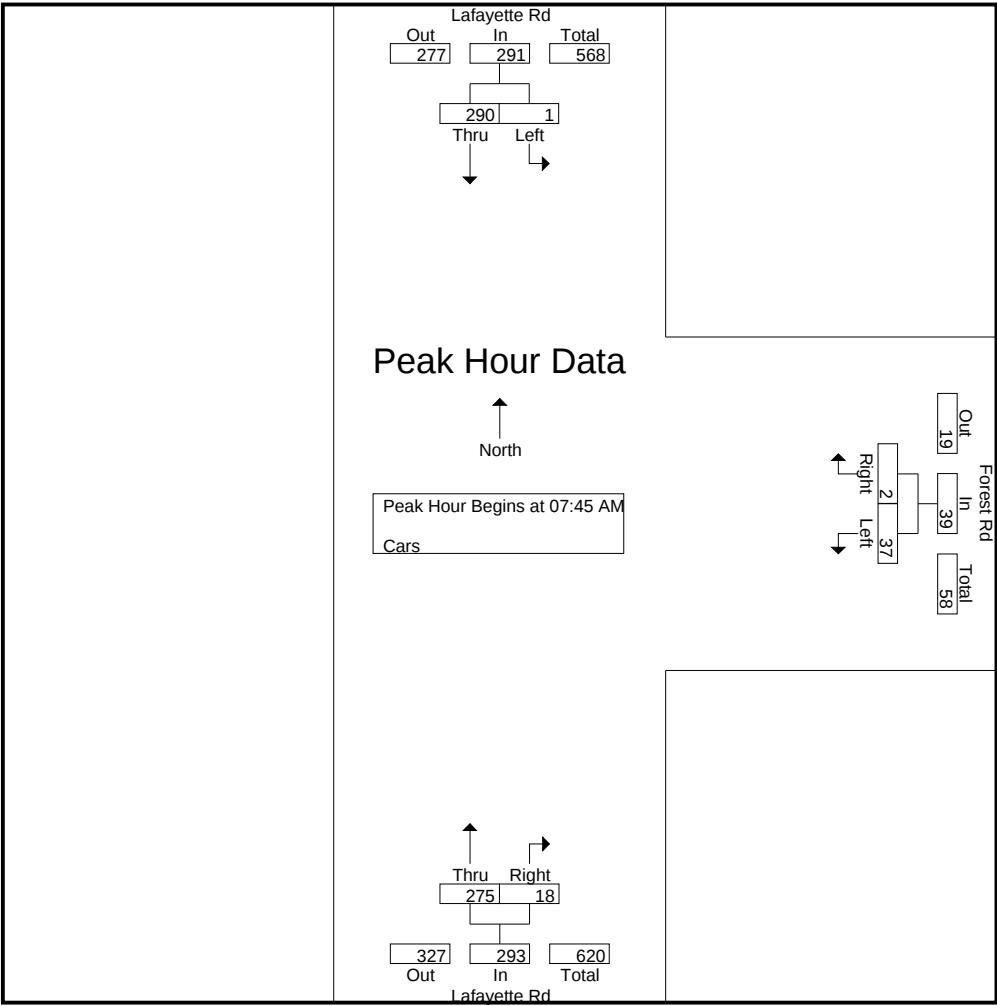
Groups Printed- Cars

	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	35	15	1	38	2	91
07:15 AM	2	64	9	0	34	1	110
07:30 AM	0	53	11	1	58	9	132
07:45 AM	1	71	15	2	54	4	147
Total	3	223	50	4	184	16	480
08:00 AM	0	66	10	0	94	5	175
08:15 AM	0	76	4	0	66	4	150
08:30 AM	0	77	8	0	61	5	151
08:45 AM	2	58	8	1	58	3	130
Total	2	277	30	1	279	17	606
Grand Total	5	500	80	5	463	33	1086
Apprch %	1	99	94.1	5.9	93.3	6.7	
Total %	0.5	46	7.4	0.5	42.6	3	

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	1	71	72	15	2	17	54	4	58	147
08:00 AM	0	66	66	10	0	10	94	5	99	175
08:15 AM	0	76	76	4	0	4	66	4	70	150
08:30 AM	0	77	77	8	0	8	61	5	66	151
Total Volume	1	290	291	37	2	39	275	18	293	623
% App. Total	0.3	99.7		94.9	5.1		93.9	6.1		
PHF	.250	.942	.945	.617	.250	.574	.731	.900	.740	.890

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 5

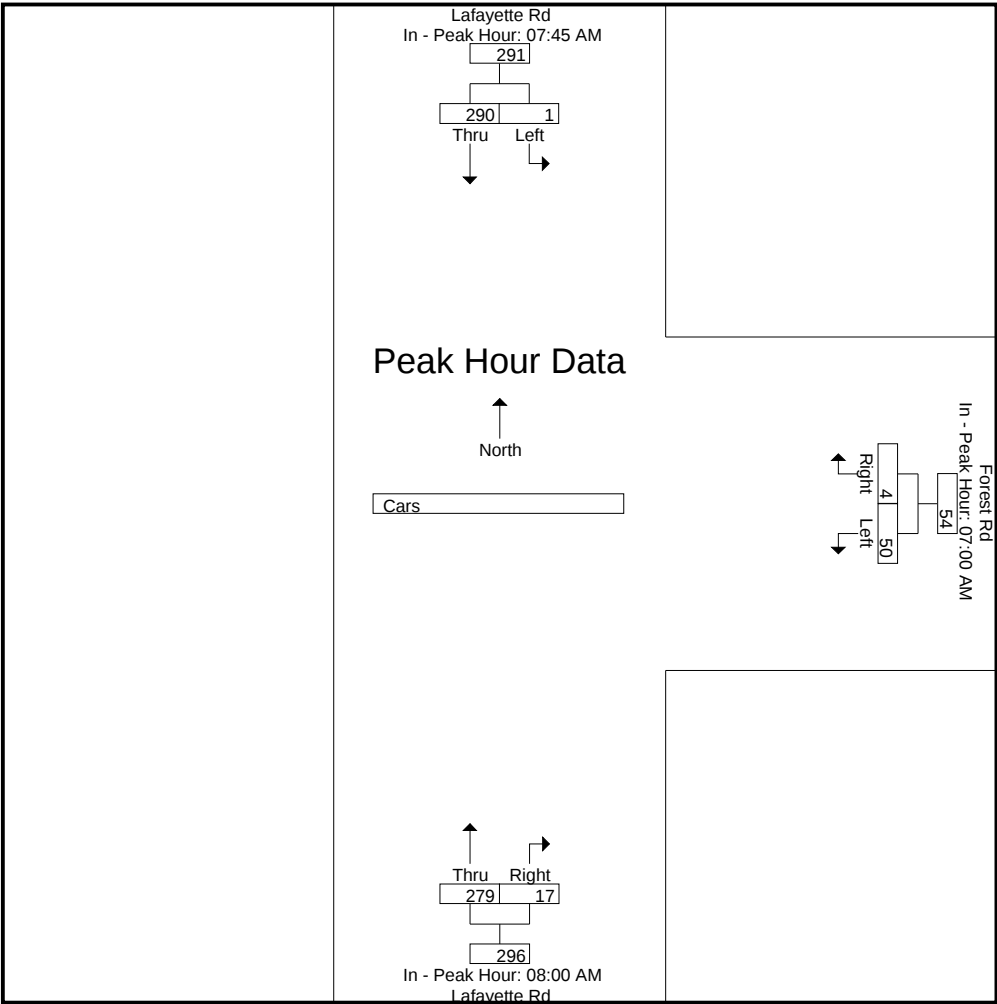


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:00 AM			08:00 AM		
+0 mins.	1	71	72	15	1	16	94	5	99
+15 mins.	0	66	66	9	0	9	66	4	70
+30 mins.	0	76	76	11	1	12	61	5	66
+45 mins.	0	77	77	15	2	17	58	3	61
Total Volume	1	290	291	50	4	54	279	17	296
% App. Total	0.3	99.7		92.6	7.4		94.3	5.7	
PHF	.250	.942	.945	.833	.500	.794	.742	.850	.747

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 6



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 7

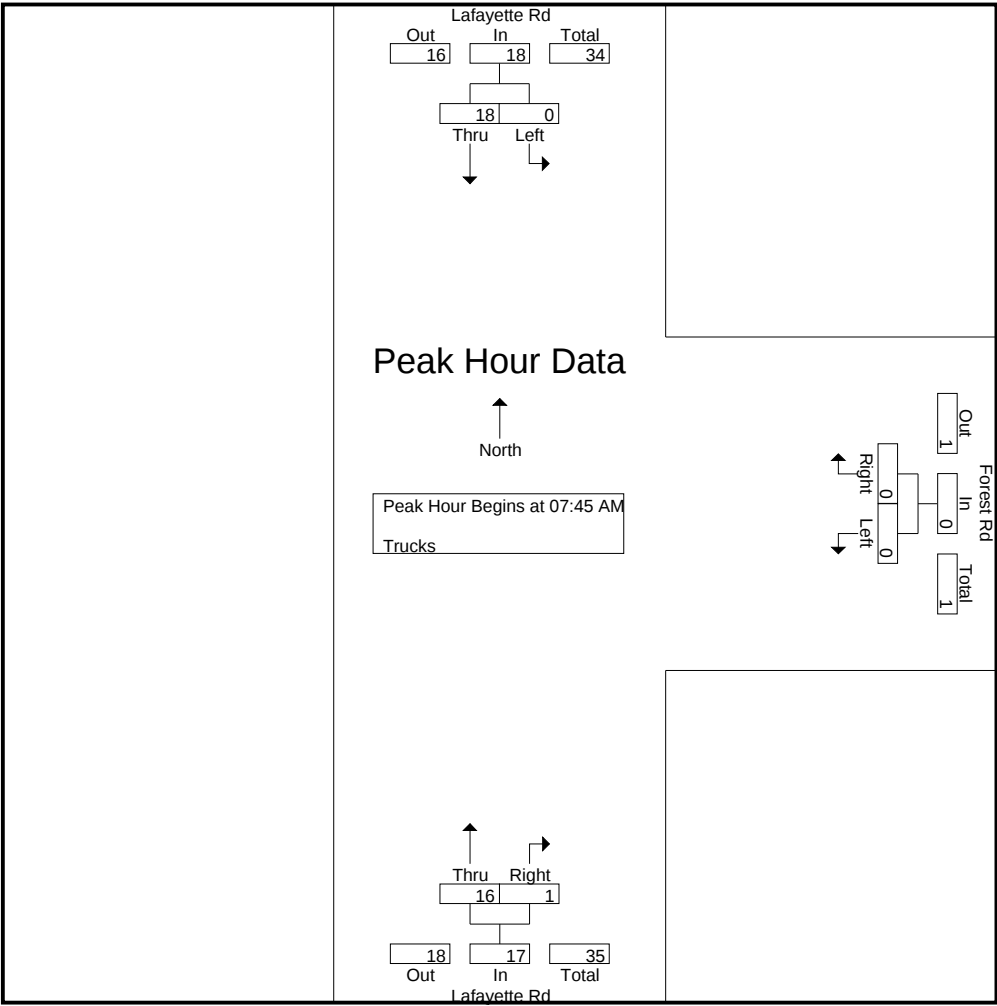
Groups Printed- Trucks

	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
07:00 AM	0	4	0	0	4	0	8
07:15 AM	0	3	1	0	2	0	6
07:30 AM	0	0	0	0	0	0	0
07:45 AM	0	2	0	0	3	1	6
Total	0	9	1	0	9	1	20
08:00 AM	0	4	0	0	7	0	11
08:15 AM	0	7	0	0	5	0	12
08:30 AM	0	5	0	0	1	0	6
08:45 AM	0	0	0	0	1	0	1
Total	0	16	0	0	14	0	30
Grand Total	0	25	1	0	23	1	50
Apprch %	0	100	100	0	95.8	4.2	
Total %	0	50	2	0	46	2	

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	2	2	0	0	0	3	1	4	6
08:00 AM	0	4	4	0	0	0	7	0	7	11
08:15 AM	0	7	7	0	0	0	5	0	5	12
08:30 AM	0	5	5	0	0	0	1	0	1	6
Total Volume	0	18	18	0	0	0	16	1	17	35
% App. Total	0	100		0	0		94.1	5.9		
PHF	.000	.643	.643	.000	.000	.000	.571	.250	.607	.729

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 8

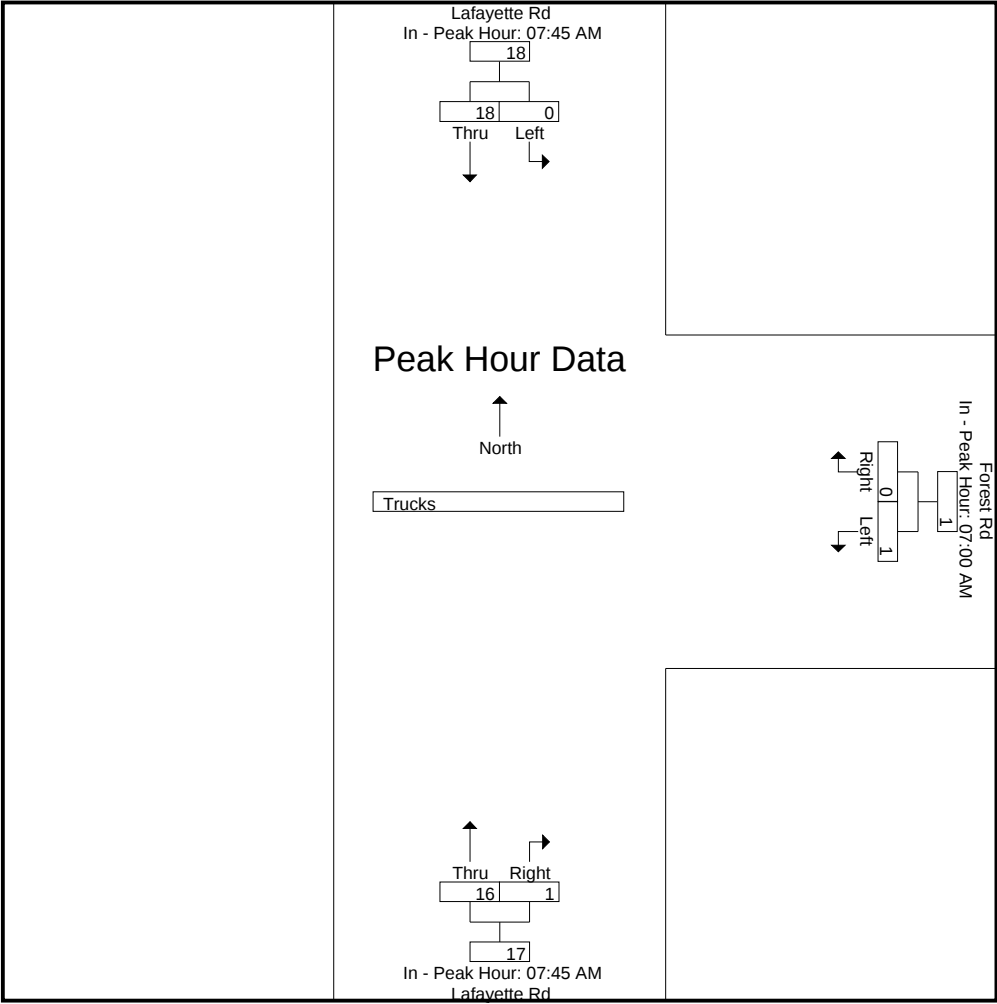


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:00 AM			07:45 AM		
+0 mins.	0	2	2	0	0	0	3	1	4
+15 mins.	0	4	4	1	0	1	7	0	7
+30 mins.	0	7	7	0	0	0	5	0	5
+45 mins.	0	5	5	0	0	0	1	0	1
Total Volume	0	18	18	1	0	1	16	1	17
% App. Total	0	100		100	0		94.1	5.9	
PHF	.000	.643	.643	.250	.000	.250	.571	.250	.607

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 9



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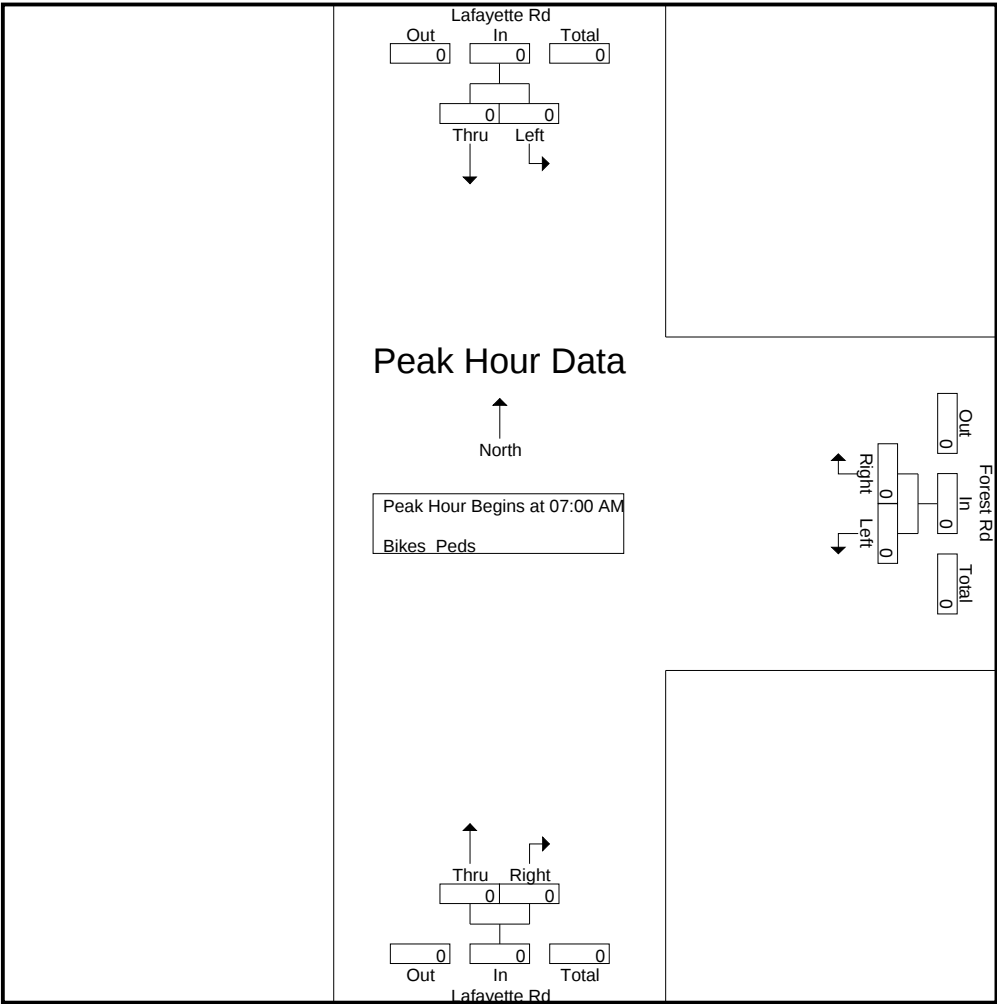
File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 10

[illegible][illegible]

Accurate Counts
978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 11

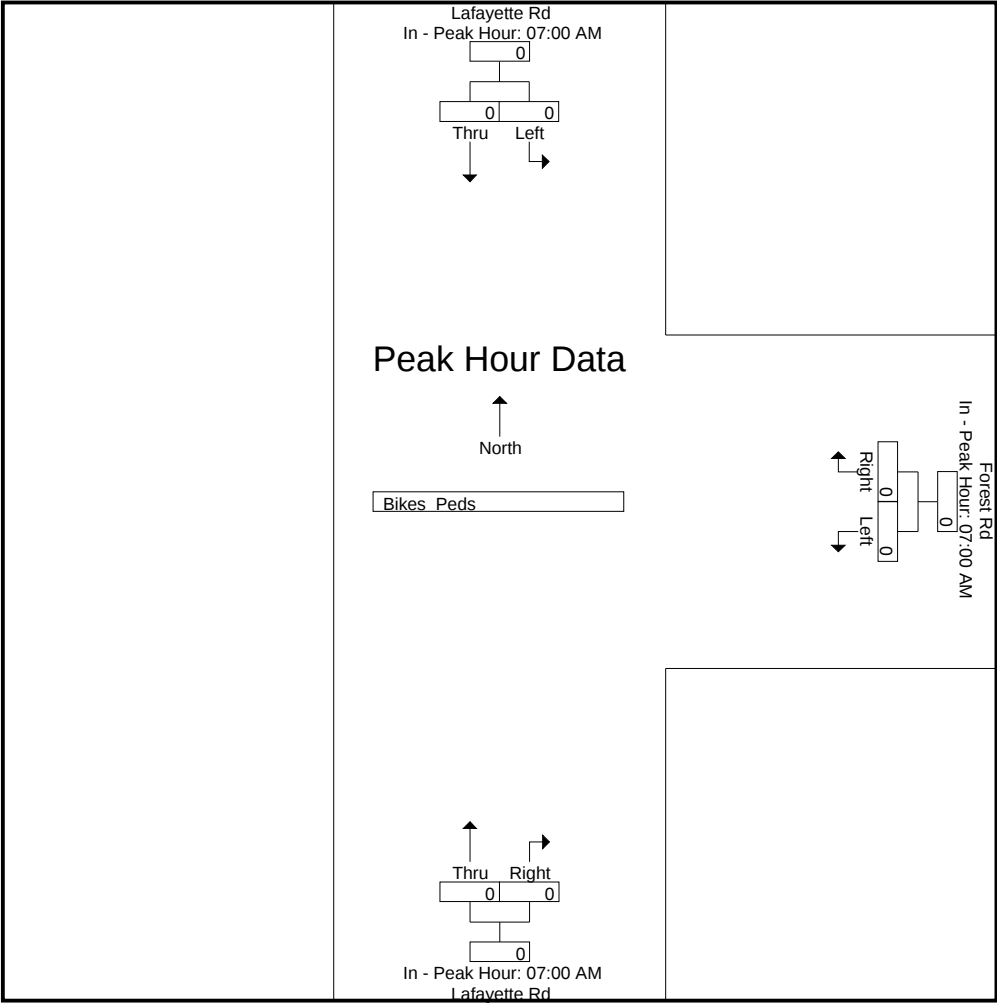


Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

[illegible]

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 12



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 1

Groups Printed- Cars - Trucks

	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	2	95	5	1	97	15	215
04:15 PM	2	127	7	2	115	5	258
04:30 PM	1	85	9	0	101	14	210
04:45 PM	1	101	8	0	98	17	225
Total	6	408	29	3	411	51	908
05:00 PM	1	99	4	1	111	12	228
05:15 PM	0	81	11	1	98	12	203
05:30 PM	3	88	5	0	70	9	175
05:45 PM	0	77	8	0	92	8	185
Total	4	345	28	2	371	41	791
06:00 PM	0	75	3	0	85	6	169
06:15 PM	0	57	3	0	58	8	126
Grand Total	10	885	63	5	925	106	1994
Apprch %	1.1	98.9	92.6	7.4	89.7	10.3	
Total %	0.5	44.4	3.2	0.3	46.4	5.3	
Cars	10	881	63	5	920	106	1985
% Cars	100	99.5	100	100	99.5	100	99.5
Trucks	0	4	0	0	5	0	9
% Trucks	0	0.5	0	0	0.5	0	0.5

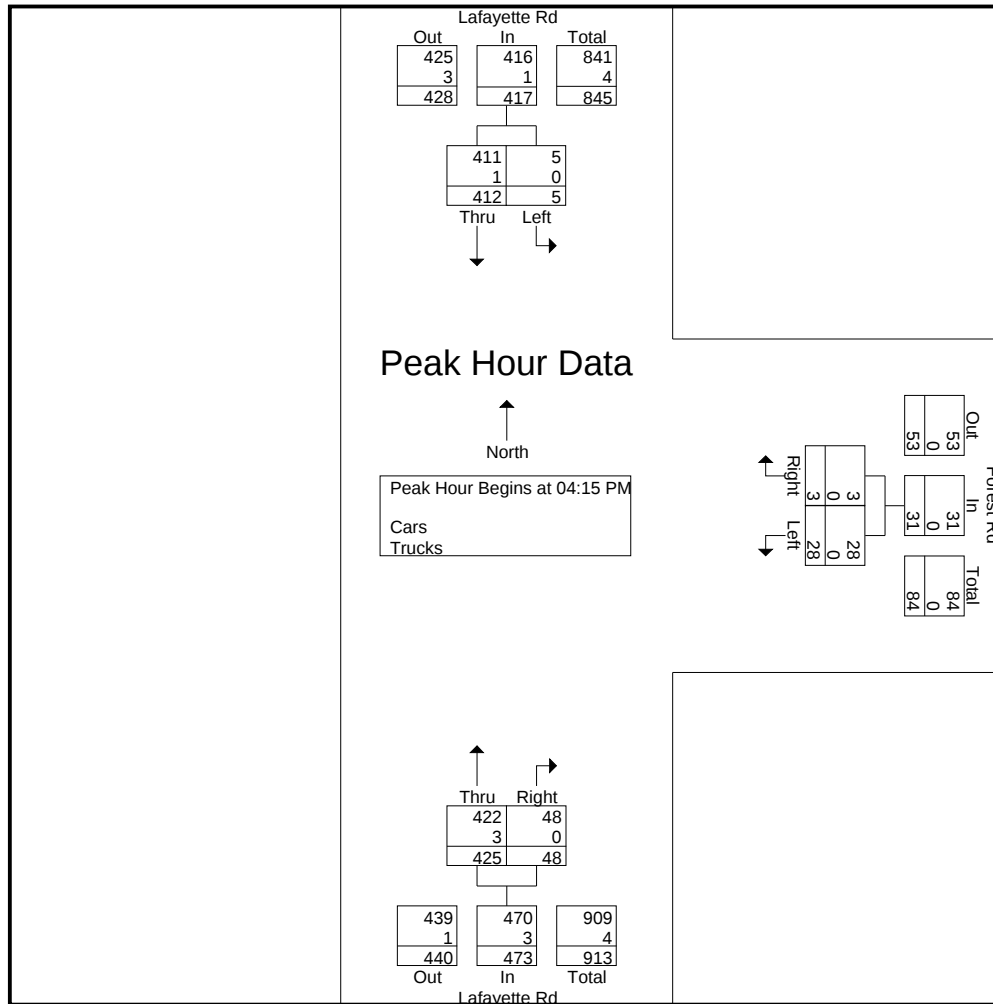
	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	2	127	129	7	2	9	115	5	120	258
04:30 PM	1	85	86	9	0	9	101	14	115	210
04:45 PM	1	101	102	8	0	8	98	17	115	225
05:00 PM	1	99	100	4	1	5	111	12	123	228
Total Volume	5	412	417	28	3	31	425	48	473	921
% App. Total	1.2	98.8		90.3	9.7		89.9	10.1		
PHF	.625	.811	.808	.778	.375	.861	.924	.706	.961	.892
Cars	5	411	416	28	3	31	422	48	470	917
% Cars	100	99.8	99.8	100	100	100	99.3	100	99.4	99.6
Trucks	0	1	1	0	0	0	3	0	3	4
% Trucks	0	0.2	0.2	0	0	0	0.7	0	0.6	0.4

Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 2



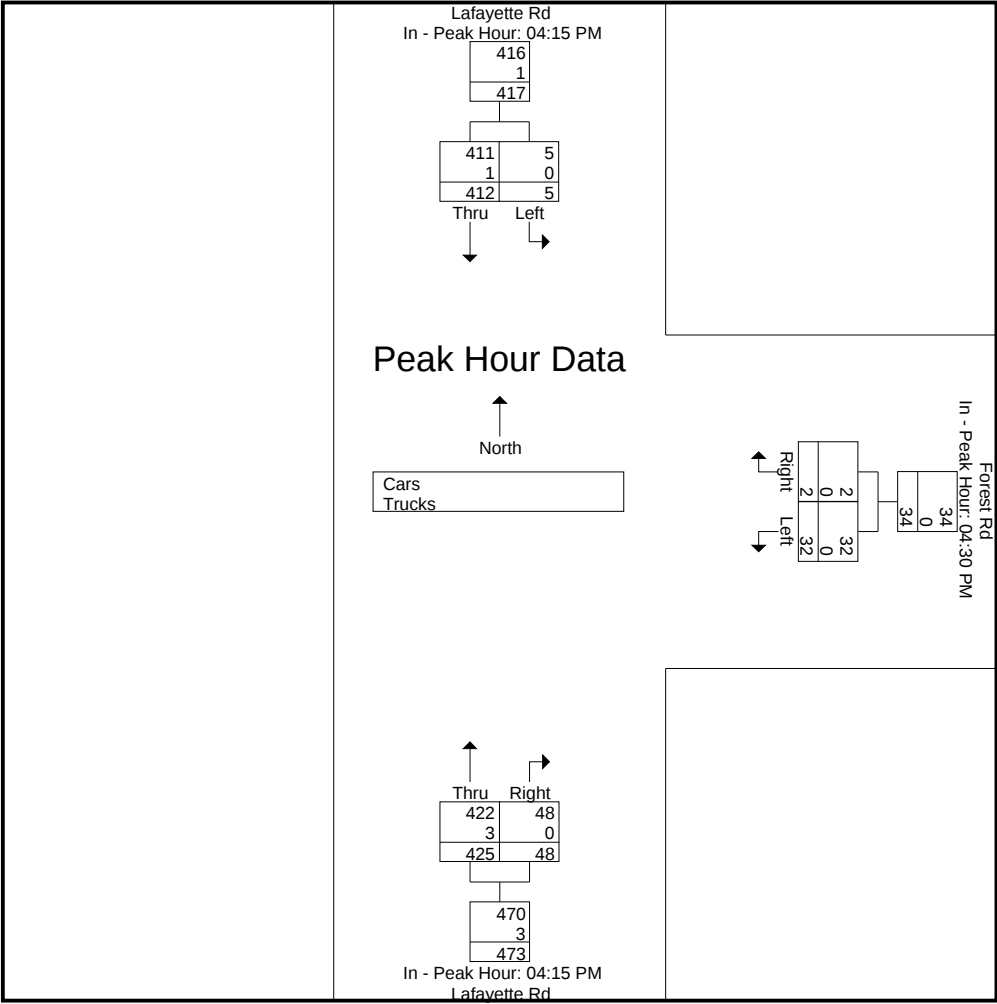
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:15 PM			04:30 PM			04:15 PM		
+0 mins.	2	127	129	9	0	9	115	5	120
+15 mins.	1	85	86	8	0	8	101	14	115
+30 mins.	1	101	102	4	1	5	98	17	115
+45 mins.	1	99	100	11	1	12	111	12	123
Total Volume	5	412	417	32	2	34	425	48	473
% App. Total	1.2	98.8		94.1	5.9		89.9	10.1	
PHF	.625	.811	.808	.727	.500	.708	.924	.706	.961
Cars	5	411	416	32	2	34	422	48	470
% Cars	100	99.8	99.8	100	100	100	99.3	100	99.4
Trucks	0	1	1	0	0	0	3	0	3
% Trucks	0	0.2	0.2	0	0	0	0.7	0	0.6

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 3



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 4

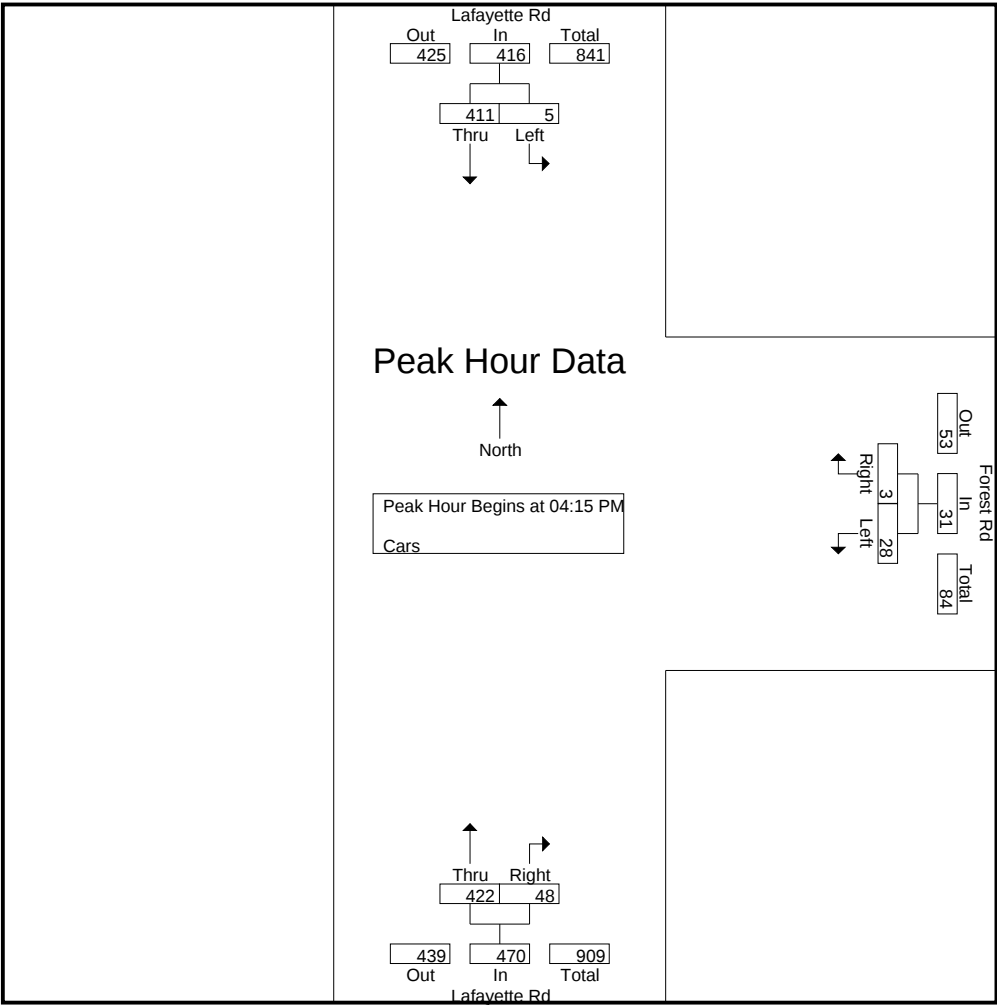
Groups Printed- Cars

	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	2	94	5	1	96	15	213
04:15 PM	2	127	7	2	112	5	255
04:30 PM	1	84	9	0	101	14	209
04:45 PM	1	101	8	0	98	17	225
Total	6	406	29	3	407	51	902
05:00 PM	1	99	4	1	111	12	228
05:15 PM	0	80	11	1	98	12	202
05:30 PM	3	88	5	0	70	9	175
05:45 PM	0	77	8	0	92	8	185
Total	4	344	28	2	371	41	790
06:00 PM	0	74	3	0	84	6	167
06:15 PM	0	57	3	0	58	8	126
Grand Total	10	881	63	5	920	106	1985
Apprch %	1.1	98.9	92.6	7.4	89.7	10.3	
Total %	0.5	44.4	3.2	0.3	46.3	5.3	

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	2	127	129	7	2	9	112	5	117	255
04:30 PM	1	84	85	9	0	9	101	14	115	209
04:45 PM	1	101	102	8	0	8	98	17	115	225
05:00 PM	1	99	100	4	1	5	111	12	123	228
Total Volume	5	411	416	28	3	31	422	48	470	917
% App. Total	1.2	98.8		90.3	9.7		89.8	10.2		
PHF	.625	.809	.806	.778	.375	.861	.942	.706	.955	.899

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 5

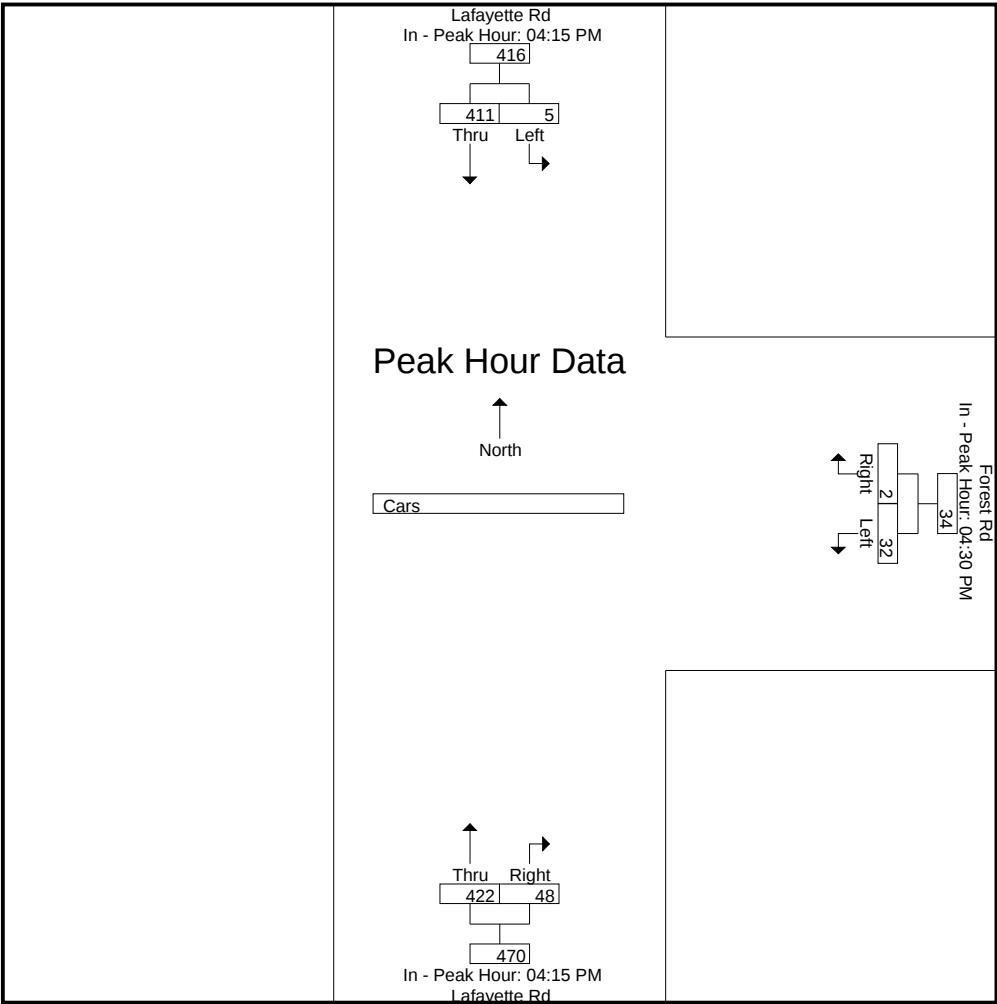


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:30 PM			04:15 PM		
+0 mins.	2	127	129	9	0	9	112	5	117
+15 mins.	1	84	85	8	0	8	101	14	115
+30 mins.	1	101	102	4	1	5	98	17	115
+45 mins.	1	99	100	11	1	12	111	12	123
Total Volume	5	411	416	32	2	34	422	48	470
% App. Total	1.2	98.8		94.1	5.9		89.8	10.2	
PHF	.625	.809	.806	.727	.500	.708	.942	.706	.955

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 6



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 7

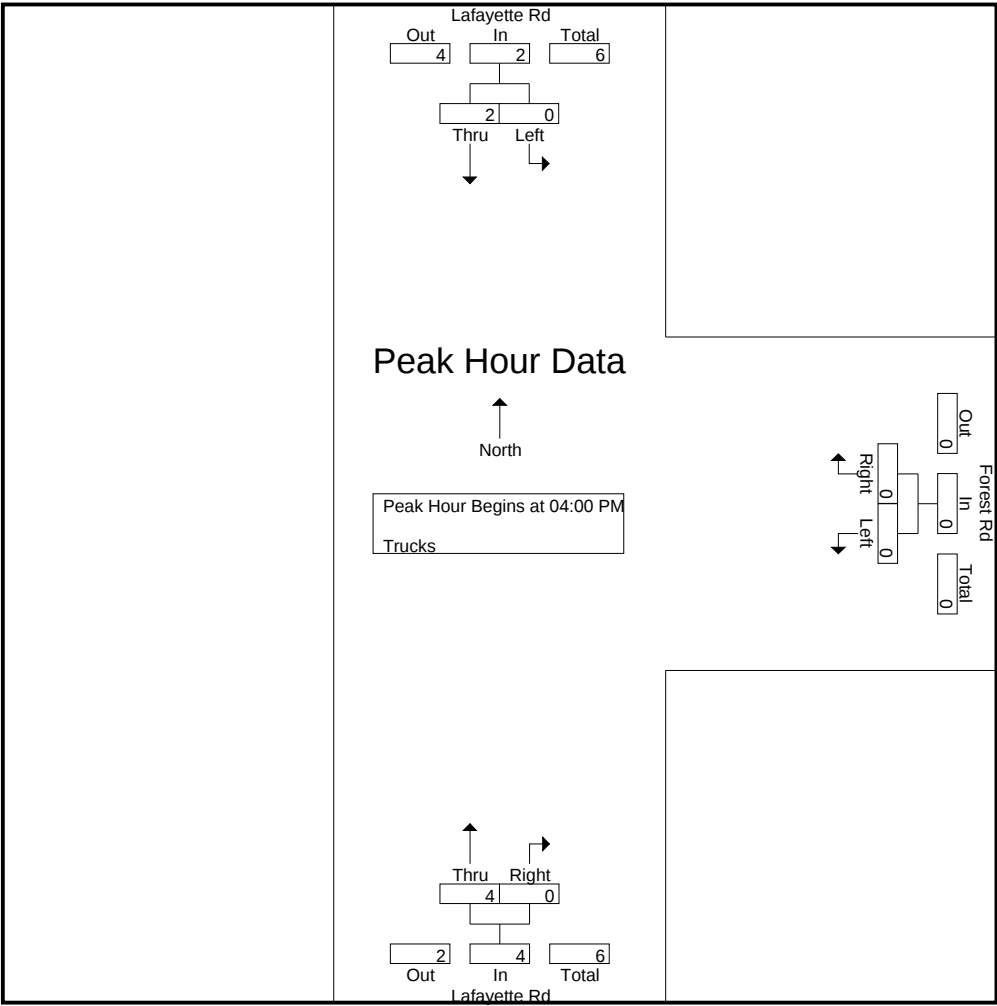
Groups Printed- Trucks

	Lafayette Rd From North		Forest Rd From East		Lafayette Rd From South		
Start Time	Left	Thru	Left	Right	Thru	Right	Int. Total
04:00 PM	0	1	0	0	1	0	2
04:15 PM	0	0	0	0	3	0	3
04:30 PM	0	1	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0
Total	0	2	0	0	4	0	6
05:00 PM	0	0	0	0	0	0	0
05:15 PM	0	1	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	1
06:00 PM	0	1	0	0	1	0	2
06:15 PM	0	0	0	0	0	0	0
Grand Total	0	4	0	0	5	0	9
Apprch %	0	100	0	0	100	0	
Total %	0	44.4	0	0	55.6	0	

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	1	1	0	0	0	1	0	1	2
04:15 PM	0	0	0	0	0	0	3	0	3	3
04:30 PM	0	1	1	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	2	0	0	0	4	0	4	6
% App. Total	0	100		0	0		100	0		
PHF	.000	.500	.500	.000	.000	.000	.333	.000	.333	.500

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 8

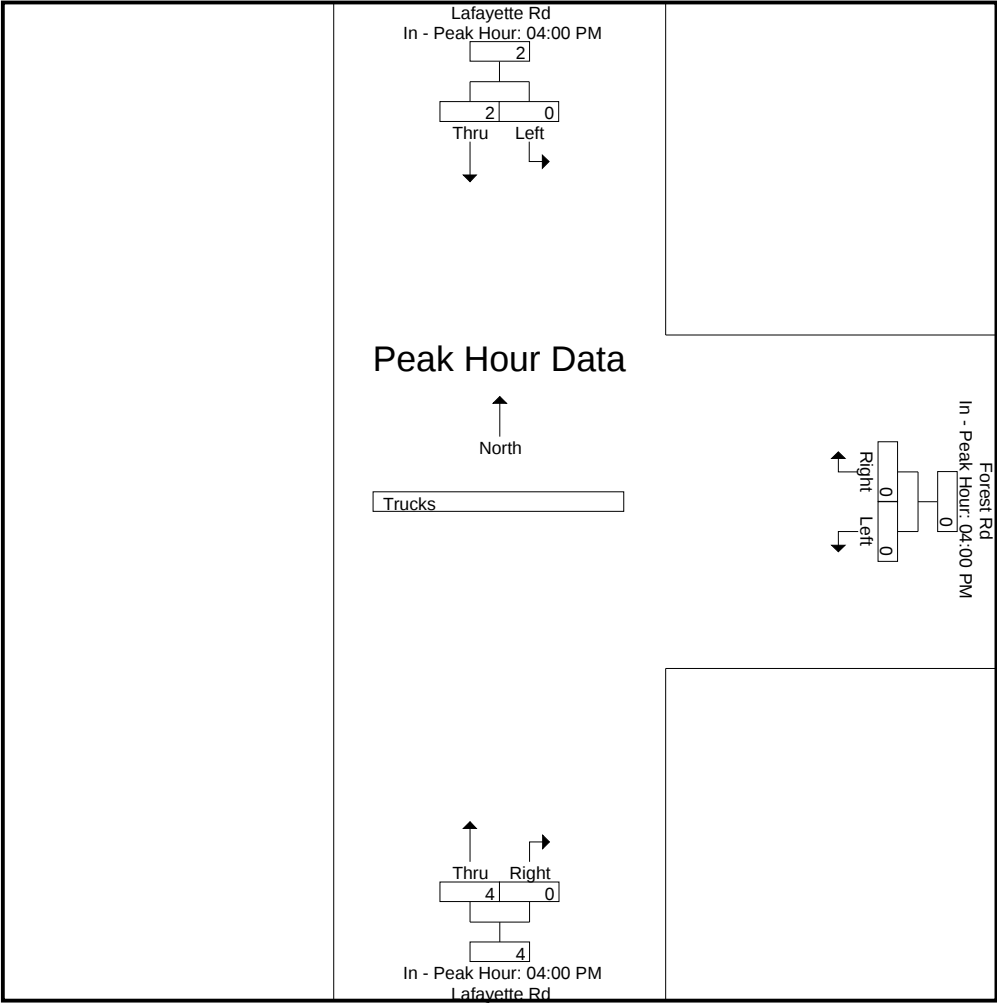


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	1	1	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	0	3	0	3
+30 mins.	0	1	1	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0
Total Volume	0	2	2	0	0	0	4	0	4
% App. Total	0	100		0	0		100	0	
PHF	.000	.500	.500	.000	.000	.000	.333	.000	.333

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 9



Accurate Counts

978-664-2565

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 10

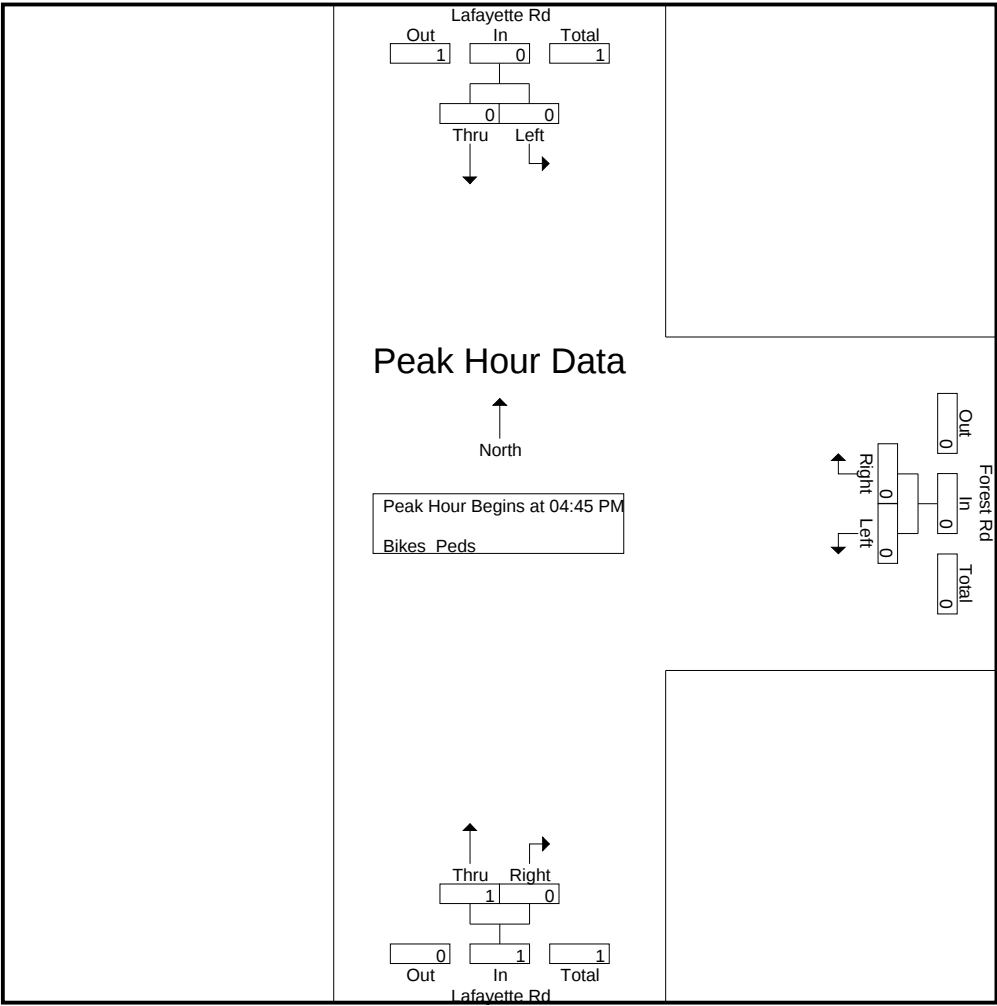
Groups Printed- Bikes Peds

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			Exclu. Total	Inclu. Total	Int. Total
Start Time	Left	Thru	Peds	Left	Right	Peds	Thru	Right	Peds			
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	1	0	0	0	1	0	1
Total	0	0	0	0	0	1	0	0	0	1	0	1
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	1	0	0	0	1	0	1
05:30 PM	0	0	0	0	0	0	1	0	0	0	1	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	1	0	0	1	1	2
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	2	1	0	0	2	1	3
Apprch %	0	0		0	0		100	0				
Total %	0	0		0	0		100	0		66.7	33.3	

	Lafayette Rd From North			Forest Rd From East			Lafayette Rd From South			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	1	0	1	1
Total Volume	0	0	0	0	0	0	1	0	1	1
% App. Total	0	0		0	0		100	0		
PHF	.000	.000	.000	.000	.000	.000	.250	.000	.250	.250

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 11

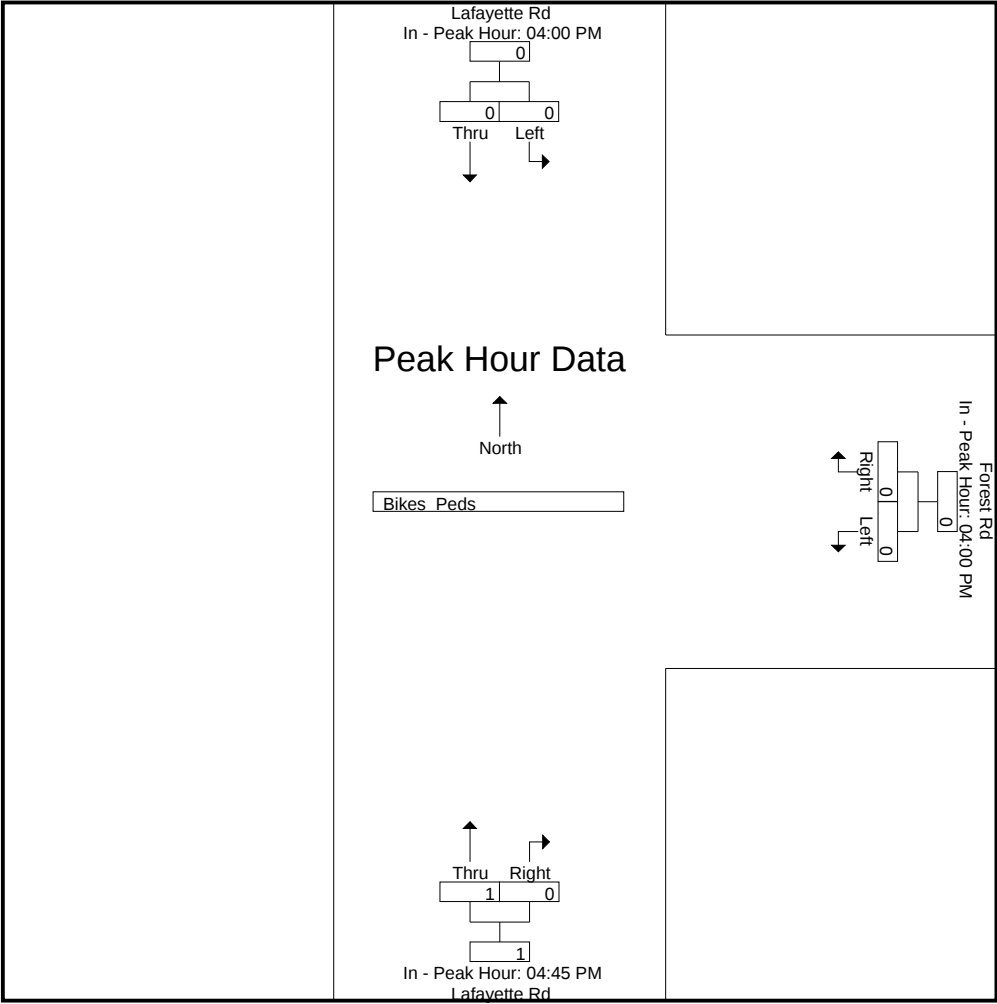


Peak Hour Analysis From 04:00 PM to 06:15 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:45 PM		
+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	1	0	1
Total Volume	0	0	0	0	0	0	1	0	1
% App. Total	0	0		0	0		100	0	
PHF	.000	.000	.000	.000	.000	.000	.250	.000	.250

N/S Street : Lafayette Road
E/W Street : Forest Road
City/State : Salisbury, MA
Weather : Clear

File Name : 28600003
Site Code : 28600003
Start Date : 2/24/2021
Page No : 12



Seasonal Adjustment/COVID-19 Worksheets

Massachusetts Highway Department

5234: Monthly Volume for 2019

Location ID:

5234

County:

Essex

Functional Class

1

Location:

INTERSTATE 495

Seasonal Factor Group:

U1-Essex

Daily Factor Group:

Axle Factor Group:

U1-Essex

Growth Factor Group:

Month	Volume	Seasonal Factor	Multiplier to Average Month
January	57463	0.80	1.236
February	57971	0.81	
March	62276	0.87	
April	65972	0.92	
May	74825	1.04	
June	82234	1.15	
July	91125	1.27	
August	91276	1.27	
September	76802	1.07	
October	72571	1.01	
November	65744	0.92	
December	61673	0.86	
71661			

Average Multiplier
Station ID 5234 - February multiplier = 1.236
Station ID 5128 - February multiplier = 1.217

Use February multiplier = 1.227

Massachusetts Highway Department
5234: Monthly Hourly Volume for January 2019

Location ID:		5234										Seasonal Factor Group:										U1-Essex									
County:		Essex										Daily Factor Group:																			
Functional Class		1										Axle Factor Group:										U1-Essex									
Location:		INTERSTATE 495										Growth Factor Group:																			
		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL					
1																															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11		394	300	259	348	571	1569	3404	4659	4276	3317	3225	3577	3778	4130	4791	5498	5209	5374	3848	2536	1852	1466	1119	858	66358					
12		487	357	247	216	332	722	1289	1751	2394	2997	3528	4059	4124	4002	3870	4087	3903	3391	2795	1941	1567	1415	1110	836	51420					
13		423	310	176	117	147	314	642	1039	1663	2302	3018	3825	4198	3211	2921	2765	3206	3440	2730	2053	1462	953	606	440	41961					
14		256	168	244	287	572	1706	3747	4698	4436	3271	3050	2972	3056	3227	3793	4599	4899	4752	3049	1934	1366	1065	785	600	58532					
15		343	259	272	350	652	1689	3635	4952	4456	3565	3052	3084	3127	3455	4049	4824	4934	5043	3336	2024	1510	1212	857	647	61327					
16		380	262	236	279	649	1649	3699	4789	4646	3399	3098	3231	3125	3500	4102	4722	5074	5009	3378	2138	1587	1325	902	666	61845					
17		395	268	240	355	622	1725	3683	4818	4562	3441	3293	3309	3408	3638	4334	4870	5507	5109	3833	2353	1883	1441	1059	825	64971					
18		421	318	293	333	583	1487	3181	4377	4082	3249	3112	3410	3746	4099	4748	5377	5386	5245	3879	2513	1773	1528	1312	907	65359					
19		472	356	253	215	321	606	1209	1847	2427	3247	3812	4354	4464	4090	4261	4368	3724	2951	2221	1460	991	805	612	405	49471					
20																															
21		185	136	154	197	359	1019	2247	3168	3250	2806	2895	3399	3538	3755	3954	4344	4440	4437	2981	2112	1562	1180	869	661	53648					
22		437	263	921	368	733	1815	3845	5149	4944	3682	2909	2912	2871	3160	3718	4419	4878	4872	3237	2118	1426	1213	784	658	61332					
23		373	261	262	302	654	1621	3577	4859	4482	3104	3054	3049	3021	3272	3796	4670	4871	4986	3287	2171	1662	1314	865	586	60099					
24		398	265	252	296	625	1583	3455	4542	4258	3208	3017	2958	2994	3182	3874	4439	4598	4674	3466	2205	1646	1291	1026	688	58940					
25		399	291	298	364	637	1519	3294	4619	4306	3477	3471	3552	3709	4117	4826	5370	5683	5410	4013	2759	1991	1497	1146	928	67676					
26		515	332	198	209	293	616	1186	1731	2443	3165	3739	4156	4406	4180	4028	4186	4019	3654	2800	2076	1642	1378	1148	810	52910					
27		456	331	164	137	156	332	688	1071	1623	2397	3277	4016	4494	4494	4560	4539	4301	3654	2804	1990	1510	956	654	436	49040					
28		239	206	212	285	631	1748	3763	4852	4367	3279	2897	2989	3016	3119	3875	4659	4539	5122	3289	1882	1486	1154	793	555	58957					
29		313	250	231	340	677	1682	3650	4976	4414	3259	3116	2938	3155	3115	3875	4484	4618	4687	2832	1620	1224	955	690	625	57726					
30		419	264	227	298	579	1230	2494	3310	3406	2097	2095	2119	2877	3031	3530	4258	4717	4642	2966	1511	1567	1158	1036	394	50225					
31																															

Massachusetts Highway Department
5234: Monthly Hourly Volume for February 2019

[illegible]

Massachusetts Highway Department

5234: Monthly Hourly Volume for March 2019

Location ID:	5234												Seasonal Factor Group:	U1-Essex											
County:	Essex												Daily Factor Group:												
Functional Class	1												Axle Factor Group:	U1-Essex											
Location:	INTERSTATE 495												Growth Factor Group:												
1	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16	470	281	277	212	420	918	1638	2232	3110	3855	4204	4596	4897	4778	4727	4484	4133	3566	2947	2250	1635	1358	1095	739	58822
17	435	239	196	143	219	483	895	1449	2281	3243	4128	4574	4945	4951	4882	4673	4261	3703	3038	2214	1598	1097	668	403	54718
18	293	227	269	454	1104	2820	4125	4654	3976	3296	3316	3284	3353	3703	4480	4743	4985	4046	2838	1751	1420	998	728	475	61338
19	315	289	314	467	1078	2783	4308	4963	4080	3396	3195	3134	3317	3677	4481	4766	5152	4357	2976	1925	1522	1146	809	510	62960
20	331	267	258	492	1129	2779	4352	4797	4232	3334	3341	3278	3459	3848	4632	5096	5184	4309	3161	2118	1633	1198	772	589	64589
21	335	291	313	457	1086	2764	4387	4958	4074	3412	3473	3323	3512	4036	4897	4993	5089	4371	3144	2159	1658	1221	943	586	65482
22	369	294	301	462	1023	2382	3821	4532	3902	3402	3582	3802	4075	4535	5176	5332	5584	4789	3781	2448	1869	1436	994	639	68530
23	443	262	217	275	412	872	1643	2210	3035	3630	4226	4552	4458	4537	4490	4292	3899	3377	2764	2116	1611	1360	1085	659	56425
24	435	256	162	159	233	528	1023	1570	2424	3414	4367	5076	5512	5815	5629	5601	4763	3868	3017	2149	1531	1010	666	360	59568
25	258	227	257	475	1114	2822	4220	4815	3979	3362	3079	3153	3211	3547	4456	4731	5011	4126	2788	1848	1355	1004	719	482	61039
26	306	306	263	479	1120	2876	4294	4881	3975	3282	3232	3202	3211	3712	4475	4799	5114	4134	3130	1906	1487	1111	790	517	62602
27	350	257	266	437	1142	2800	4394	4889	4124	3368	3213	3410	3291	3840	4658	5050	5064	4486	3099	2142	1592	1159	844	528	64403
28	326	285	297	498	1142	2833	4468	5017	4143	3490	3401	3392	3553	4113	4935	5204	5389	4565	3356	2332	1762	1315	850	624	67290
29	372	280	312	490	1081	2544	4104	4640	4057	3526	3640	4001	4309	4676	5359	5368	5652	4829	4018	2740	1905	1530	1166	768	71367
30	490	310	243	285	445	973	1680	2425	3255	3914	4474	5013	5043	5290	5304	5065	4465	4058	3434	2459	1863	1490	1165	722	63865
31	529	268	177	173	240	542	1009	1594	2384	3343	4225	4851	5128	4983	4714	4218	3812	3180	2543	1989	1460	1005	632	425	53424

Massachusetts Highway Department

5234: Monthly Hourly Volume for April 2019

Location ID:	5234		Seasonal Factor Group: U1-Essex																					
	Essex		Daily Factor Group:																					
	1		Axle Factor Group: U1-Essex																					
	INTERSTATE 495		Growth Factor Group:																					
0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	278	222	257	479	1172	2876	4365	4858	4022	3332	3273	3322	3624	4481	4651	5004	4231	2811	1912	1430	1041	783	498	62182
2	312	263	300	500	1133	2949	4496	4960	4232	3335	3136	3328	3735	4544	4955	5224	4414	3258	2076	1525	1126	876	526	64495
3	352	240	275	495	1095	2804	4296	4677	4036	3314	3285	3386	3899	4562	4975	5190	4335	3164	2069	1589	1191	859	503	63682
4																								
5	357	290	322	490	1107	2706	4183	4717	4254	3577	3778	4401	4914	5512	5627	5922	5018	3710	2712	1994	1446	1196	766	73153
6	460	303	238	253	509	955	1724	2586	3292	3898	4540	4828	5057	5223	5151	4881	4250	3480	2663	1959	1657	1101	719	64571
7	451	260	142	172	277	682	1272	1928	2657	3613	5072	5198	5333	5386	5209	4678	4015	3222	2426	1623	1070	671	447	60316
8	307	222	277	458	1134	2826	4162	4590	3954	3240	3085	3199	3547	4238	4638	4866	3967	2772	1764	1366	956	682	439	59822
9	288	282	297	486	1153	2923	4402	4822	4200	3281	3194	3171	3784	4482	4897	4781	3888	3002	1806	1469	1056	772	472	62214
10	299	247	281	463	1165	2926	4485	5082	4177	3368	3247	3428	3879	4770	5055	5279	4436	3124	2191	1668	1180	783	500	65306
11	380	282	307	528	1197	3037	4517	5174	4372	3570	3575	3626	4093	5159	5184	5365	4645	3768	2521	1875	1367	961	660	69769
12	364	313	380	518	1162	2678	4371	4974	4357	3765	3866	4219	4541	5096	5844	5989	5300	4388	2793	2165	1722	1230	808	76652
13	502	334	244	264	542	1023	1882	2723	3702	4306	5200	5248	5226	5347	5474	5103	4633	3744	2953	2252	1660	1180	811	69288
14	509	279	195	176	294	674	1093	1833	2700	3778	4483	4981	5264	5074	5066	4604	3864	3100	2246	1522	1087	726	450	58952
15	296	226	292	463	1015	2304	3387	4034	3805	3629	3737	3956	4127	4642	4667	4766	3963	2749	1880	1454	1007	713	481	61609
16	302	283	281	485	1181	2768	4263	4876	4270	3716	3753	3823	4228	4795	5108	5314	4304	3253	2259	1655	1177	797	524	67272
17	367	278	279	481	1222	2747	4302	4682	4387	3796	4136	4216	4609	5370	5316	5238	4521	3815	2537	1904	1253	921	566	71104
18	367	318	328	495	1194	2785	4253	4705	4366	3687	3913	4257	4485	5025	5584	5411	4642	3695	2627	1978	1399	1102	699	71518
19	410	341	364	494	1071	2283	3839	4277	4294	4019	4477	5205	5673	6027	5709	5799	5366	4311	3095	2209	1603	1370	879	78021
20	541	345	264	252	481	897	1596	2400	3196	3801	4379	4743	4686	4486	4338	4207	3602	2885	2267	1708	1341	1033	692	58977
21	400	240	162	149	238	465	822	1331	2242	3512	5820	5567	4857	4640	4701	5037	5347	4956	3616	2225	1311	995	634	64192
22	354	269	325	506	1232	2967	4454	4938	4506	4052	4109	3963	4337	4717	4753	4720	4083	3186	1990	1414	1010	714	461	67093
23	328	315	292	469	1210	2942	4270	4967	4151	3483	3465	3495	4084	4600	5021	5292	4091	3036	1952	1524	1209	818	592	65029
24	357	275	291	473	1165	2863	4546	4855	4286	3384	3384	3606	4078	4870	5304	5383	4384	3437	2285	1720	1230	878	573	67149
25	395	295	337	518	1257	2948	4566	4844	4405	3688	3802	3963	4612	5107	5407	5511	4773	3762	2569	1910	1371	996	642	71336
26																								
27	415	279	253	271	462	977	1901	2768	3489	4179	4643	4896	4647	4772	4685	4443	3946	3061	2357	1796	1522	1160	724	62734
28	551	299	211	206	313	700	1256	2060	2805	3696	4590	5192	5290	5264	5132	4549	3988	2996	2206	1553	1009	681	503	60293
29	301	245	274	502	1249	3083	4521	4907	4178	3554	3629	3579	4101	4694	4851	5248	4352	3161	2111	1502	1145	760	528	65910
30	305	272	328	514	1161	2964	4456	4918	4211	3303	3378	3390	3806	4744	4825	5112	4309	3170	1955	1598	1224	819	532	64586

Massachusetts Highway Department

5234: Monthly Hourly Volume for May 2019

Location ID:		5234																								
County:		Essex																								
Functional Class		1																								
Location:		INTERSTATE 495																								
		Seasonal Factor Group: U1-Essex												Daily Factor Group: U1-Essex												
		Axle Factor Group: Growth Factor Group:												U1-Essex												
		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1		359	274	291	531	1201	3024	4654	5042	4380	3546	3508	3458	3599	4040	5067	5199	5274	4539	3293	2300	1708	1221	809	537	67854
2		345	281	332	475	1234	2971	4397	4965	4221	3558	3535	3672	3727	4410	5016	5232	5476	4614	3318	2454	1842	1360	939	616	68990
3		367	272	375	517	1175	2680	4272	4768	4251	3845	4117	4439	4646	5233	5603	5423	5852	4958	4313	3228	2108	1585	1184	807	76018
4		489	291	256	279	523	1097	1935	2614	3585	4175	4661	5070	4971	5089	4988	4971	4578	4028	3243	2626	2086	1702	1179	766	65202
5		479	289	171	186	289	607	1241	1845	2811	3784	4724	5157	5349	5335	5356	4959	4372	3873	2923	2349	1544	1027	706	424	59800
6		285	270	281	569	1311	3093	4499	5052	4268	3570	3605	3549	3715	4184	4746	5102	5201	4392	3383	2217	1650	1232	800	533	67507
7		345	325	362	491	1195	3054	4580	5050	4453	3691	3751	3526	3737	4092	5012	5351	5376	4315	3111	2188	1587	1153	798	516	68059
8		411	286	349	490	1219	3077	4670	5110	4374	3714	3698	3707	3928	4294	5222	5341	5510	4582	3728	2488	1836	1280	971	559	70844
9		347	312	367	512	1311	3160	4662	5140	4460	4006	3844	3850	4049	4735	5421	5566	5719	4915	3888	2913	2061	1462	1134	685	74519
10		414	334	365	506	1138	2670	4244	4890	4496	4198	4396	4998	4998	5506	5982	5921	5801	5108	4504	3933	2487	1953	1450	929	81221
11		556	328	282	285	612	1309	2171	3150	4043	4752	5463	5904	5498	5735	6137	6070	5810	4942	4670	3464	2664	1872	1470	845	78032
12		525	301	178	187	283	629	1215	1854	3032	4410	5563	6280	6377	6775	6125	5785	5096	4603	3797	2803	1834	1133	762	462	70009
13		305	250	314	517	1284	3158	4595	5003	4501	3811	3789	3804	3865	4309	4372	4576	5435	4496	3255	1962	1519	1037	760	505	67422
14																										
15		407	288	284	511	1285	3166	4730	5138	4449	3795	3850	3866	3972	4491	5435	5359	5486	4764	3659	2599	1785	1242	1048	580	72189
16		419	356	365	535	1290	3217	4780	5209	4381	3978	4103	4119	4134	4825	5530	5650	5681	4979	3939	3088	2089	1465	1113	707	75952
17		420	343	338	540	1223	2860	4275	4918	4452	4126	4606	5007	5371	5721	6185	5947	6168	5482	4771	4146	2586	1937	1409	921	83752
18		573	355	294	312	657	1394	2360	3358	4265	4924	5328	5776	5889	6064	6235	6064	5847	5374	4364	3694	2841	2082	1370	866	80286
19		525	293	184	205	413	848	1596	2448	3593	4820	5679	6330	6313	6330	5931	6051	5465	4969	4306	3310	2091	1413	924	535	74572
20		358	322	302	523	1297	3195	4547	5183	4444	4007	4030	4087	4202	4681	5634	5449	5441	4622	3632	2543	1883	1317	862	545	73106
21		401	268	345	546	1338	3285	4643	5142	4414	3703	3874	3690	3771	4340	5146	5442	5686	4701	3544	2358	1883	1363	883	570	71336
22		396	317	298	556	1362	3228	4611	5147	4666	3804	4142	3837	4307	4843	5532	5432	5762	4968	4086	2887	2096	1496	1021	610	75404
23		387	356	349	575	1370	3127	4728	5314	4196	4256	4510	4531	4682	5431	5964	5796	5962	5010	4347	3669	2488	1798	1423	842	81111
24		571	412	382	547	1250	2757	4328	4941	4805	4839	5302	6048	5797	6363	6579	6215	5827	5483	5244	4419	3388	2484	1799	1124	90904
25		732	424	333	351	651	1320	2343	3386	4674	5347	5614	5897	5795	5721	5846	5466	5209	4665	4103	3242	2521	1806	1279	848	77573
26		531	330	174	175	307	717	1260	2226	3690	5159	6314	6763	7386	7327	7618	6847	6430	5937	5424	4973	3757	2749	1569	1014	88677
27		601	359	262	268	506	975	1761	2818	4101	5196	5607	6244	6466	6271	6398	6208	6024	5355	4726	3130	2127	1289	887	540	78119
28		358	272	281	571	1515	3525	4778	5568	5089	4569	4466	4361	4303	4521	5314	5105	5254	4416	3321	2018	1641	1257	833	575	73911
29		347	288	340	509	1317	3202	4668	5114	4593	3719	3859	3853	3888	4420	5025	5245	5576	4696	3457	2300	1713	1179	918	649	70875
30		433	333	323	505	1263	3161	4720	5221	4634	3911	3986	3962	4133	4741	5445	5730	5820	4759	3924	2730	2188	1521	1048	701	75192
31		440	319	356	533	1263	2911	4439	5096	4696	4623	4550	4862	5020	5829	6105	6436	6299	5545	4935	4172	2994	2315	1565	1023	86326

Massachusetts Highway Department

5234: Monthly Hourly Volume for June 2019

Location ID:	5234		Seasonal Factor Group: U1-Essex																						
	Essex		Daily Factor Group:																						
	Functional Class		Axle Factor Group: U1-Essex																						
	Location:		Growth Factor Group:																						
			INTERSTATE 495																						
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	555	367	279	293	648	1282	2327	3337	4195	4771	5473	5591	5696	5718	5981	5516	5253	4724	3890	3168	2321	1860	1298	810	75353
2	547	305	182	189	342	754	1347	2124	3250	4570	5499	6073	6230	6209	6045	5951	5181	4664	3563	2444	1785	1226	852	486	69818
3	303	226	288	511	1386	3299	4625	5085	4618	3898	4154	4099	4090	4615	5170	5084	5305	4575	3553	2438	1826	1217	990	577	71932
4	372	281	351	520	1319	3347	4683	5158	4471	3828	3842	4044	3988	4370	5177	5439	5574	4721	3453	2387	1874	1307	999	568	72073
5	405	295	317	504	1317	3239	4549	5022	4415	3783	3905	3908	4151	4634	5230	5612	5596	4764	3692	2536	2066	1486	1021	646	73093
6	420	295	303	503	1187	3121	4472	5093	4722	4158	4179	4358	4245	4902	5721	5490	5916	4952	3850	3206	2303	1693	1139	781	77009
7																									
8	750	393	297	349	661	1326	2325	3486	4640	5539	6085	6581	6333	6508	6644	6436	5990	5372	4650	3913	3204	2379	1826	954	86641
9	643	316	226	195	413	864	1548	2573	4110	5830	6655	7462	6770	7858	7654	7336	6877	6591	5572	4049	2581	1585	1100	648	89456
10	343	269	363	588	1434	3523	4696	4989	4382	4681	4462	4472	4527	4930	5501	5647	5770	4690	3600	2578	1899	1372	957	543	76216
11	358	296	324	499	1254	3078	4474	4861	4499	3938	3804	3980	3937	4498	5200	5232	5514	4676	3654	2576	2027	1468	1111	621	71879
12	380	324	346	555	1330	3275	4654	5089	4683	4238	4642	4507	4587	5129	5661	5768	5675	4887	4218	3056	2054	1442	1129	772	78401
13	441	289	343	536	1291	3133	4598	5293	4721	4123	4270	4354	4478	4872	5436	5282	5402	4569	3884	3156	2156	1589	1150	670	76036
14	450	313	303	589	1260	2864	4447	5002	4590	4553	5224	5848	6004	6544	6764	6544	6453	5618	5200	4823	3206	2352	1602	1037	91590
15	658	387	287	343	736	1336	2262	3423	4623	5688	6390	6672	6750	6925	6793	6603	6184	5534	4666	4039	3281	2415	1618	969	88582
16	688	371	189	223	333	816	1363	2118	3397	4594	5606	6101	6597	6324	6056	5673	5488	4666	3740	2910	2236	1474	876	537	72376
17	305	285	315	571	1384	3337	4704	5075	4952	4612	5247	4878	5372	5421	6136	5977	5809	5233	4037	3054	2314	1582	1053	606	82259
18	418	309	357	570	1385	3186	4619	5038	4699	4061	4244	4113	4307	4995	5341	5486	5595	4663	3942	2572	1935	1572	1032	614	75053
19	422	308	323	586	1235	3157	4571	5084	4766	3958	4296	4926	4535	5020	5720	5931	5840	4953	4373	3084	2358	1882	1271	723	79322
20	482	414	400	531	1377	2962	4456	5004	4708	4358	4758	4765	4779	5518	5939	5635	5702	4854	4116	3353	2343	1631	1366	670	80121
21	482	335	353	549	1225	2761	4095	4762	4774	4783	5455	6169	6501	6568	6707	6332	6291	5738	5334	4850	3228	2328	1662	1059	92341
22	715	476	326	373	747	1447	2507	3615	4896	6445	6943	6974	6925	7291	7108	6907	6429	5628	4670	4201	3309	2947	1832	1036	93747
23	723	442	238	246	439	923	1651	3007	4997	6832	7745	7285	8418	8535	8259	7269	7233	6790	6220	5240	4045	2383	1472	875	101267
24	442	314	409	616	1553	3512	4728	5213	5262	5076	5489	5604	5736	5944	6570	6156	6212	5582	4663	3398	2549	1650	1165	682	88525
25	458	359	411	579	1408	3202	4524	4938	4894	4473	4510	4423	4602	4839	5364	5219	5578	4771	3790	2554	1904	1414	955	608	75777
26	430	321	341	541	1400	3229	4594	5179	5070	4372	4868	5115	4827	5410	6017	6235	6289	5212	4632	3859	2784	2271	1350	828	85174
27	511	435	420	593	1385	3244	4698	5333	5154	5149	5827	5835	5137	6415	6839	6406	6670	5671	4976	4243	3149	2076	1602	1009	92777
28	643	384	433	603	1312	3026	4459	5360	5622	6525	6833	6716	7027	7272	7778	7110	7328	6602	6022	5014	4010	2874	2127	1308	106388
29	904	541	349	404	778	1516	2522	3597	4869	6069	6625	6882	6480	6301	5798	5990	5262	4575	4036	3568	3013	2468	2228	1731	86506
30	723	388	248	238	424	857	1574	2341	3443	4950	5987	6432	6303	6344	6141	6039	5238	4712	3661	3263	2413	1672	1073	610	75074

Massachusetts Highway Department

5234: Monthly Hourly Volume for July 2019

Location ID:		5234										Seasonal Factor Group:										U1-Essex									
County:		Essex										Daily Factor Group:										U1-Essex									
Functional Class		1										Axle Factor Group:										U1-Essex									
Location:		INTERSTATE 495										Growth Factor Group:																			
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL						
1	426	317	329	611	1405	3330	4562	5087	5284	5319	5821	5784	5736	6050	6339	6198	6483	5729	4747	3404	2643	1885	1143	740	89372						
2																															
3	584	456	401	556	1281	2708	4206	5004	5388	5778	6251	6213	6328	6986	6783	6746	6466	6167	5685	4739	3986	3721	2618	1601	100652						
4	976	591	442	487	735	1199	2310	4084	5864	5909	5832	5498	5942	5321	4978	4840	4577	4244	4113	3704	3291	3588	3280	1729	83534						
5	566	337	317	417	836	1693	2851	3996	5188	6405	7277	7252	7385	7711	7148	6818	6207	5927	5165	4610	3842	2760	1917	1154	97779						
6	766	441	277	311	661	1311	2178	3609	5427	6819	7208	7414	7359	7217	6595	6076	5774	5577	4288	3331	2716	2003	1298	862	89518						
7	559	330	245	277	540	1199	2173	3572	5271	6092	6425	7121	7180	7299	7079	6075	6094	5859	5748	4742	4088	2226	1315	752	92261						
8	434	390	381	658	1653	3620	4659	5233	5448	5102	6109	5992	5543	5942	6253	6383	6036	5473	4264	3157	2476	1722	1047	659	88634						
9	426	364	388	510	1359	3239	4629	5474	5106	5109	5488	5337	5245	5848	6325	6241	6380	5513	4594	3375	2619	1891	1170	737	87367						
10	432	367	344	524	1357	3104	4651	5214	5186	4627	5937	5260	5245	5828	6175	6220	6387	5724	4829	3638	2924	2316	1359	695	88343						
11	477	361	370	571	1360	3116	4584	5380	5271	5096	5229	5525	5514	6079	6406	5266	5833	5136	4562	3631	2592	1743	1403	824	86329						
12	530	367	356	557	1193	2705	4117	4688	5126	5310	5936	6335	6256	6825	6789	6384	6302	5641	5434	5308	3521	2422	1884	1026	95012						
13	804	480	343	346	777	1550	2637	4245	6606	7713	7196	6326	6132	6717	7397	7254	6588	6087	5303	4691	3929	3036	2220	1153	99530						
14																															
15																															
16	602	419	352	418	746	2112	4102	5328	5162	5208	5467	5308	4950	5160	6032	6134	6555	6539	5022	3432	2767	2371	1610	917	86713						
17	567	395	406	358	759	2128	3999	5230	5247	4840	4941	5030	4926	4866	5562	5928	5929	5832	4499	3287	2368	1943	1393	882	81315						
18	503	373	313	445	699	2058	4106	5221	5233	4799	4973	5457	5295	5645	6014	6276	6483	6454	5430	4477	2851	2445	1911	1318	88779						
19	802	522	443	450	784	2071	3846	5093	5721	5928	6428	6664	6799	6705	7313	7258	7043	6983	6600	5645	4129	3297	2528	1857	104909						
20	971	640	431	353	560	1215	2263	4307	6655	7201	6817	6118	6830	6351	7049	6595	6124	5328	5042	4408	3825	3437	2573	1606	96699						
21	910	602	357	230	323	593	1339	2397	3964	5649	6373	6578	6621	6672	6403	6552	6204	6013	5488	5092	4327	3180	1779	1044	88690						
22	581	336	315	384	755	2287	4334	5422	5294	5086	5425	5635	5403	5434	6030	6016	5766	5755	4311	2763	2073	1639	1049	810	82993						
23	423	343	306	373	699	1904	3726	4887	4871	4355	4366	4722	4697	4305	5333	5786	5942	5842	4337	3032	2440	1957	1351	867	76864						
24	510	354	386	374	744	2065	4023	5315	5280	5038	5228	5281	4943	5134	5766	6246	6711	6557	5384	4074	3175	2400	2086	1283	88357						
25	642	437	398	469	780	2092	3961	5393	5422	5150	5934	6147	5799	5885	6434	6674	6987	6782	5761	4931	3608	2907	1925	1358	95876						
26	762	490	411	480	851	2017	3685	5129	5670	6234	6658	6665	6989	6786	7586	7129	7015	6922	6458	6046	4313	3379	2377	1588	105640						
27	985	688	413	410	585	1110	2156	3803	5846	6906	7180	6318	6429	6504	6892	7036	6792	6106	5431	4366	3968	3259	2534	1617	97334						
28	966	644	305	212	294	613	1351	2393	4307	6187	7247	7619	7435	7259	7801	7380	6799	6362	6143	5395	4961	3612	1853	1118	98256						
29	511	390	288	385	817	2278	4420	5326	5476	5353	6172	5999	6125	5596	6047	6268	6351	6394	4888	3559	2894	2100	1349	921	89907						
30	504	391	326	422	781	2145	4109	5262	5487	5125	5649	5303	5131	5075	5954	6149	6424	6253	4981	3826	3196	2346	1518	998	87355						
31	529	390	331	393	798	2031	3956	5193	5017	4870	5395	5043	5002	4980	5850	6199	6342	5847	4889	3345	2522	2067	1489	1092	83570						

Massachusetts Highway Department

5234: Monthly Hourly Volume for August 2019

Location ID: 5234			Seasonal Factor Group: U1-Essex																						
County: Essex			Daily Factor Group:																	U1-Essex					
Functional Class 1			Axle Factor Group:																	U1-Essex					
Location: INTERSTATE 495			Growth Factor Group:																						
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	563	440	371	439	806	2064	4028	5208	5391	5271	5737	6125	5719	5902	6419	6420	6776	6414	5633	4829	3458	2798	1973	1233	94017
2																									
3	1004	650	416	339	496	1076	2198	3581	5765	6935	7340	6906	6748	6876	6759	6763	6147	5673	4929	3722	3889	2941	2729	1715	95597
4	924	593	319	247	317	640	1370	2326	4083	6036	7442	7427	7594	7332	7355	7034	6537	6413	6085	5309	4629	3259	1826	1055	96152
5	588	418	285	378	858	2248	4327	5276	5480	5605	6189	6505	5742	5694	6426	6697	6389	6508	5243	3508	2612	2047	1476	909	91408
6	537	368	329	426	811	1999	4096	5251	5361	5217	5551	5279	4663	5412	5829	6366	6446	6323	4825	3434	2761	2207	1416	900	85807
7	463	362	333	408	725	2029	3939	5249	4985	4613	4944	5003	5060	5071	5555	5838	6059	6027	4852	3116	2456	1986	1419	979	81471
8	535	404	320	404	790	1954	3811	5102	5288	4878	5505	5749	5836	5650	6264	6281	6413	6554	5260	4625	3406	2470	1704	1251	90454
9	656	450	401	503	790	1941	3726	5039	5707	6221	6617	6949	6991	6912	7521	7227	7248	7167	6653	5739	4254	3405	2260	1757	106134
10	947	635	435	349	487	1091	2099	3776	5878	7366	7395	6989	7090	7429	7428	6908	5801	6841	5091	4337	3761	3139	2339	1541	99152
11	956	563	336	230	335	633	1270	2347	4015	5871	7354	7489	7026	7654	7336	7187	6777	6842	6048	5529	4672	2986	1729	1037	96222
12	536	378	305	409	828	2204	4351	5298	5739	5811	6592	6701	6147	6098	5347	5426	6937	6329	5395	3746	2894	2096	1435	859	91861
13	547	353	378	433	750	1964	3953	5085	5213	4624	4944	4943	5026	4860	5575	5830	6020	5872	4293	3039	2400	1795	1310	865	80072
14	479	355	315	379	746	1937	3895	5113	5351	5058	5471	5565	5137	5329	6050	6202	6674	6379	5246	3874	3017	2384	1726	1170	87852
15	578	425	366	441	860	2006	3929	5185	5608	5148	6056	6159	6024	6250	6444	6574	6802	6803	5663	4956	3427	2398	1957	1285	95344
16	629	455	378	459	779	1870	3608	5022	5319	5622	6508	6886	6832	7148	7343	7098	6902	7143	6447	5429	3983	3127	2263	1439	102689
17	1025	623	420	300	457	939	1965	3214	4754	6407	7205	7473	7350	7308	7142	6928	6833	5699	4831	3770	3247	2656	2040	1459	94045
18	786	520	313	207	306	558	1157	1999	3334	5098	6464	7369	7558	7431	7167	6988	6577	6352	6134	5182	3801	3126	1617	1063	91107
19	523	367	296	401	798	2126	4052	5202	5533	5646	6586	5817	6245	5928	6817	6852	6916	6550	4806	3332	2600	1943	1241	819	91396
20	482	373	344	443	793	1990	3981	5445	5475	5472	5899	5855	5519	5325	6179	6684	6553	6459	5435	3947	3069	2178	1447	1039	90386
21	545	407	369	412	729	2052	3884	5199	5266	4835	4958	5221	5168	5156	5776	5704	6110	5540	4704	2934	2135	1760	1330	932	81126
22	514	379	328	419	787	2039	3980	5174	5357	5394	5998	6133	5974	6061	6759	6956	6677	6404	5645	4397	3310	2521	1759	1277	94242
23	733	457	353	461	794	1873	3654	4960	5297	5552	6550	6638	7018	6961	7041	6980	7003	7283	6568	5074	3664	2882	2208	1410	101414
24	785	562	343	319	444	1021	2007	3197	4771	5988	7349	7207	7311	7506	7168	6852	6444	6174	5349	4333	3593	2721	2112	1456	95012
25	826	583	340	232	297	634	1117	2036	3178	4824	6576	6806	7281	6916	6876	6660	6786	6207	5483	4773	3638	2274	1566	857	86766
26	475	330	271	375	793	2149	4212	5261	5170	4901	5352	5386	5352	5214	5906	6054	5931	6195	4571	3118	2305	1711	1121	795	82948
27	469	345	336	412	794	1999	4040	5394	4940	4421	4580	4685	4599	4764	5523	5912	6146	6081	4549	3151	2338	1665	1148	796	79087
28	469	372	352	362	740	2051	4186	5067	4880	4520	4733	4780	4606	4882	5498	5730	5808	5177	4275	2953	1965	1618	1049	781	76854
29	503	335	293	425	759	2001	4168	5224	5149	4822	4923	5452	5305	5691	6126	6260	6454	6460	5437	4754	3250	2554	1690	1226	89261
30	739	547	417	452	805	1917	3648	4942	5535	5884	6560	6761	6711	6969	7003	6972	6737	6906	6171	5275	4344	3254	2472	1567	102588
31	891	606	399	359	439	937	1969	3327	4899	6129	6415	6512	6740	6504	6044	6188	5656	5255	4826	3993	3509	2848	2009	1371	87825

87825

Massachusetts Highway Department

5234: Monthly Hourly Volume for September 2019

Location ID:	5234																								
County:	Essex																								
Functional Class	1																								
Location:	INTERSTATE 495																								
	Seasonal Factor Group:			Daily Factor Group:			Axle Factor Group:			U1-Essex															
	Growth Factor Group:			Growth Factor Group:			Growth Factor Group:			Growth Factor Group:															
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	730	459	306	241	239	489	946	1765	2772	4130	5468	6281	6597	6483	6028	5625	5630	5482	4827	4282	3786	2786	1977	1057	78386
2																									
3	374	238	290	383	749	2137	4439	5344	5189	4762	5033	5077	4988	5120	5464	5939	5933	5790	4318	2936	2040	1485	1044	712	79784
4	446	345	294	361	757	1995	4255	5264	5083	4219	4238	4164	4216	4373	4959	5508	5759	5540	4123	2612	1956	1611	1050	759	73887
5																									
6	481	393	347	444	738	1889	3924	5093	5082	4507	4691	5383	3715	5599	6237	6472	6263	6479	5577	4267	2846	2054	1556	1062	85099
7	640	458	307	277	378	765	1429	2254	3264	4144	5119	5701	5913	5887	5603	5488	5069	4700	4005	3319	2753	2071	1662	1013	72229
8	597	421	225	182	235	538	981	1842	2849	4269	5610	6731	6855	6933	7189	6474	6499	5722	4767	3577	2448	1461	856	667	77928
9	424	349	283	336	718	2123	4174	5296	5003	4215	4412	4360	4251	4347	5030	5517	5533	5421	3854	2689	1851	1410	905	689	73190
10	418	263	281	385	750	1939	4237	5377	4984	4290	3958	4094	3914	3909	4877	5468	5672	5627	3901	2643	1922	1475	923	746	72053
11	392	340	310	337	667	1950	4177	5339	4906	4162	4273	4053	4155	4298	5123	5464	5868	5414	4381	2978	2265	1570	1136	798	74356
12	449	348	299	395	792	2021	4188	5265	4973	4378	4225	4306	4389	4589	5271	5440	5793	5625	4313	2947	2172	1550	1214	827	75769
13	462	365	329	400	749	1954	3902	5133	4816	4427	4716	5181	5227	5536	6164	6053	6262	6224	5698	4759	2952	2130	1555	1195	86189
14	681	451	324	276	385	846	1618	2576	3562	4589	5265	5785	5627	5688	5941	5604	5664	4793	3802	2962	2383	1884	1536	1089	73331
15	611	442	258	210	256	517	1050	1694	2729	4150	5701	6584	7227	6682	5938	5832	6254	5551	5141	3745	2672	1514	887	616	76261
16	384	264	260	350	787	2158	4337	5039	5048	4237	4135	4346	4257	4506	5048	5415	5366	5237	3818	2731	1886	1369	927	687	72592
17	389	267	304	350	732	1972	4171	5301	4889	4072	4070	4026	3932	3950	4856	5221	5467	5493	4214	2457	2070	1361	1028	650	71242
18	397	291	338	416	702	1922	4040	5429	4878	3955	3838	4142	3916	4187	4806	5467	5535	5450	4179	2837	2089	1521	1020	762	72117
19	451	370	336	426	768	1999	4129	5366	4918	4309	4122	4294	3976	4523	5217	5521	5801	5818	4671	3237	2412	1658	1229	868	76419
20	516	373	311	410	714	1899	3882	5087	4812	4274	5253	5525	5697	5819	6400	6428	6152	6353	5361	5008	3290	2184	1653	1080	88481
21	680	460	293	276	373	894	1735	3060	4027	5139	6121	6547	6649	6410	6136	6284	5781	5525	4599	3890	2891	2329	1696	1070	82865
22	550	401	256	181	204	510	1065	1925	3084	4606	6197	7075	7242	7353	6387	6417	6540	6612	5672	4581	2949	1590	995	570	82962
23	375	239	279	363	734	2169	4278	5304	4924	4370	4483	4349	4515	4561	5235	5629	5553	5382	4098	2733	1794	1326	885	641	74219
24	369	308	261	375	745	1960	4160	5276	4778	4068	3851	4000	4019	3915	4716	5278	5462	5410	4065	2566	1879	1430	1005	717	70613
25	385	316	274	385	730	2000	4096	5338	4766	4064	3926	3966	3989	4123	4853	5480	5611	5463	4253	2865	1984	1585	1157	773	72382
26																									
27	528	390	330	437	740	1874	3720	5080	4907	4334	4490	5086	5094	5392	6242	6040	6240	6330	5447	4612	3209	2338	1704	1247	85811
28	741	457	310	283	382	889	1667	2564	3930	5005	5862	6149	6540	6195	6239	6042	5866	5543	4481	3837	2779	2096	1726	1098	80681
29	610	430	239	175	236	469	1001	1639	2598	4214	5434	6129	6703	6185	5930	5480	5448	5369	4581	3576	2322	1514	1096	574	71952
30	379	303	225	348	760	2131	4189	5262	4920	4195	4287	4372	4358	4405	4885	5431	5518	5517	4074	2535	1733	1399	946	692	72864

Massachusetts Highway Department

5234: Monthly Hourly Volume for October 2019

Location ID:	5234		Seasonal Factor Group: U1-Essex																					
	Essex		Daily Factor Group:																					
	1		Axle Factor Group: U1-Essex																					
	INTERSTATE 495		Growth Factor Group:																					
0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	408	347	303	395	757	2011	3983	5093	4783	4018	3984	3718	4023	4659	5360	5482	5418	4208	2591	1700	1504	945	688	70421
2	390	328	285	407	753	3996	5188	4782	3962	3756	3794	3736	4023	4682	4840	5247	5406	3879	2544	1783	1331	1033	738	68857
3	412	356	274	398	776	4306	5183	4957	4224	3997	4002	4065	4370	5171	5562	5633	5823	4397	2905	2130	1655	1160	874	74548
4	484	358	316	391	747	3781	5030	4717	4251	4569	4673	4799	5580	5999	6225	6318	6351	5419	4419	2956	2160	1700	1275	84350
5	696	409	289	276	397	868	1672	3635	4556	5596	6091	5935	5924	5967	5950	5706	5126	4245	3196	2342	2020	1519	1145	76127
6	581	381	222	195	219	562	1401	1771	3741	5244	6405	6950	6615	5818	5797	6214	5963	4390	3161	1926	1373	830	539	72875
7	347	230	261	333	725	3947	5130	4953	4074	3944	4213	4170	4321	4736	5270	5392	5216	3843	2186	1543	1283	890	672	69732
8	384	284	294	359	738	4087	5230	4774	3778	3596	3872	3718	3837	4835	5352	5575	5462	4044	2596	1796	1384	1022	730	69701
9	419	339	320	379	716	4109	5160	4886	3983	3704	3824	3858	4175	4759	5673	5754	5470	3678	2642	1828	1425	969	739	70755
10	434	343	281	405	751	4091	5225	4808	4132	4001	4170	4258	4480	5423	5800	5976	5903	4590	3236	2135	1620	1220	978	76264
11	584	443	379	404	772	3670	4977	4941	4503	4949	5509	5701	6077	6372	6335	6517	6324	5346	4540	3743	2409	1746	1212	89233
12	732	457	335	274	391	868	1553	2486	3547	5678	6289	6119	5879	5769	5639	5136	4612	3653	2801	2183	1856	1450	1069	73332
13	580	398	252	167	217	449	967	1572	3780	5149	6327	7010	6690	6685	6418	6434	6164	4839	3591	2631	1955	1106	784	76768
14	407	292	234	297	612	1575	2922	3672	3975	4350	5702	5612	6071	6513	6379	5949	6320	5494	3635	2229	1594	1084	745	80782
15	348	275	270	386	775	2064	4245	5371	4476	4391	4365	4415	4496	5005	5863	5442	5641	4470	2736	1807	1443	1010	714	75035
16	462	320	299	405	750	2019	4108	5243	4991	3668	4083	3879	4120	4993	5563	5682	5537	3879	2448	1851	1351	885	686	71273
17	352	278	274	370	697	1821	3797	4714	4771	3934	3871	3998	4268	4794	5199	5269	5274	4029	2550	1859	1616	1182	810	69632
18	487	422	336	388	791	1890	3744	4999	4929	4060	4600	4810	5607	5903	6207	6241	6331	5187	3900	2504	1945	1567	1151	82578
19	732	419	327	306	391	869	1621	2523	3439	5141	5946	5836	5419	5585	5411	5753	5188	4394	3195	2283	1979	1617	1148	73893
20	652	442	235	191	237	475	899	1610	2499	3551	4700	6250	6234	6133	6320	6024	5367	4228	2975	2115	1339	787	593	69677
21	293	237	233	348	745	2047	4006	5289	4906	3818	3946	3959	4093	4767	5345	5571	5359	3944	2380	1538	1360	878	696	69714
22	435	303	263	381	727	1909	4101	5348	4720	3618	3694	3644	3783	4603	5164	5283	5447	3751	2297	1674	1302	936	712	68108
23	389	293	266	344	695	1881	3759	5621	4693	3654	3589	3803	3717	4733	4232	5754	5482	3872	2551	1910	1459	988	730	68212
24	394	327	255	394	714	1992	4082	5117	4885	3890	3997	3969	4058	5000	5634	5478	5676	4488	3190	2166	1650	1184	900	73420
25	527	338	275	398	740	1873	3640	5031	4751	4248	4521	4767	5197	5820	6295	6214	6114	4852	3267	2301	1942	1634	1264	80291
26	699	494	303	255	368	804	1412	2340	3374	4027	4997	5689	5533	5181	5480	5158	5019	4134	2999	2275	1875	1541	1219	70370
27	718	459	281	182	208	368	720	1287	1999	3141	4179	5549	5097	4968	5070	4657	3141	2689	2287	2023	1247	864	486	56678
28	314	225	212	285	741	2066	3989	5049	4944	3847	3674	3698	3831	4316	5181	5332	5266	3603	2181	1655	1322	849	672	66900
29	361	278	329	364	705	1930	4021	5160	4779	3788	3582	3569	3680	4468	5219	5462	5356	3750	2494	1652	1394	954	695	67645
30	403	318	303	332	698	1848	3898	4981	4750	3640	3519	3606	3709	4497	5039	5495	5368	3752	2452	1859	1425	973	767	67223
31	407	356	294	401	686	1858	3699	4957	4758	3723	3484	3491	3905	4562	5087	5413	5033	3096	2180	1651	1282	954	716	65317

Massachusetts Highway Department

Location ID:		5234																								Seasonal Factor Group:									
County:		Essex																								Daily Factor Group:									
Functional Class		1																								Axle Factor Group:									
Location:		INTERSTATE 495																								Growth Factor Group:									
		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL									
1		468	370	338	320	714	1763	3497	4217	4826	3829	3957	4174	4573	4739	5535	5985	5587	5739	4717	3122	2232	1708	1516	1080	75006									
2		682	410	315	270	376	805	1528	2300	3075	3853	4517	4928	4807	4831	4872	5068	5043	4574	3395	2691	1955	1644	1394	851	64184									
3																																			
4		419	282	215	251	530	1322	3399	4642	5146	4246	3688	3688	3505	3620	4056	4634	5063	5195	3982	2869	1747	1343	1061	736	65639									
5		439	370	232	305	547	1284	3152	4425	4965	4383	3438	3529	3623	3558	4043	4901	4966	5071	3867	3069	1876	1360	1133	763	65299									
6		514	371	252	357	520	1252	3182	4580	5061	4369	3669	3553	3581	3632	4068	5051	5470	5515	4062	3062	2111	1575	1172	848	67827									
7																																			
8		519	323	287	345	757	1780	3742	4994	4649	3895	3976	4220	4560	4841	5675	6162	6035	5802	4712	3065	2168	1727	1380	1317	76931									
9		691	472	374	340	394	882	1606	2448	3619	4069	4747	5294	5273	5054	5055	4955	4844	4311	3370	2353	1828	1612	1344	919	65854									
10		548	357	174	138	213	418	826	1589	2347	3164	4153	4900	5117	5071	4587	4896	4793	3857	3027	2234	1709	1145	757	586	56606									
11		334	237	216	260	612	1680	3211	4093	4050	3744	3954	4305	4501	4649	5171	5344	5178	5022	3203	2158	1518	1184	829	625	66078									
12		344	270	273	361	704	1996	3933	5056	4665	3623	3220	3095	3138	3428	4127	4712	5001	4907	3127	2007	1406	1236	952	769	62350									
13		417	325	319	363	697	1975	3937	5087	4784	3642	3387	3340	3270	3462	4392	5165	5343	4866	3588	2440	1880	1428	892	734	65733									
14		418	333	318	409	765	2018	3996	5162	4927	4433	4035	3588	3489	3798	4730	5285	5614	5357	3754	2530	1891	1603	1037	751	70241									
15		471	365	291	422	822	2157	4140	5156	4683	3858	3889	4031	4117	4645	5251	5885	5697	5566	4346	2804	2018	1517	1249	970	74350									
16		500	422	274	279	408	927	1767	2562	3276	3689	4429	4740	4767	4659	4619	4666	4758	4161	3022	2186	1887	1831	1503	1041	62373									
17		561	360	201	152	418	741	1054	1324	2057	3319	3806	4465	4801	4592	4805	4671	4082	2995	2582	1902	1942	1193	654	471	53148									
18		286	222	215	336	943	2509	3862	5141	4656	3561	3282	3073	3346	3343	4040	4657	4825	4232	2995	2025	1523	1269	1079	974	62394									
19		1327	1528	2062	1574	1047	1317	2815	2957	2831	3442	3276	3179	3135	3290	4337	5043	5290	5140	3592	2228	1861	1636	1277	1000	65184									
20		919	1574	1176	357	581	1251	2738	3097	4638	3907	3252	3378	3462	3657	4390	5109	5343	4421	3040	2856	2226	1213	765	690	63840									
21		385	277	365	381	754	1773	3676	3082	3317	3909	3739	3606	3529	3921	4761	5208	4383	3346	2374	1791	1554	1166	961	757	59015									
22		514	433	417	555	1094	3505	8882	4564	3732	3768	3860	4052	4197	4516	4071	3965	5118	7788	8366	4794	3203	2798	1773	1141	87106									
23		479	235	166	158	204	405	734	2025	1963	3605	4478	4773	4802	5024	4683	4217	4749	2846	1858	1229	887	822	636	484	51462									
24																																			
25																																			
26																																			
27																																			
28																																			
29																																			
30																																			

Massachusetts Highway Department

5324: Monthly Hourly Volume for December 2019

Location ID:		5234	Seasonal Factor Group: U1-Essex																							
County:		Essex																								
Functional Class		1	Daily Factor Group:																							
Location:		INTERSTATE 495	Axle Factor Group: U1-Essex																							
			Growth Factor Group:																							
		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10	374	293	297	365	709	3931	3943	5082	4644	3833	3537	3348	3308	3450	4343	5088	5161	5114	3482	2356	1715	1469	955	703	65500	
11	404	339	320	378	673	1776	3555	4789	4437	3475	3030	3367	3299	3481	4295	4764	4940	5142	3640	2554	1822	1501	938	739	63658	
12	455	351	381	427	787	2063	4088	5159	4890	4015	3500	3558	3125	3255	3624	3990	4181	5652	3915	2580	2109	1650	1273	1080	66108	
13	647	460	342	507	879	2071	3947	4918	4802	3991	4046	4314	4362	4394	5758	5913	5603	5446	4242	2750	2118	1797	1379	1048	75734	
14	645	415	244	256	294	634	1187	1733	2453	3390	3965	4393	4553	4407	4503	4488	4067	3655	2959	2141	1744	1663	1381	968	56138	
15	495	372	231	169	189	378	732	1138	1894	2923	3871	4794	5088	4543	4127	3841	3981	3844	2874	2090	1595	1207	770	497	51643	
16	309	243	244	330	728	1934	4043	5050	4828	3794	3695	3745	3724	3967	4235	5261	5337	5293	3812	2332	1774	1470	991	798	67937	
17	444	368	313	414	723	1781	3193	3813	3409	2433	2217	2130	2089	2312	2694	3416	3096	3092	2141	1437	1128	854	730	679	44906	
18	359	292	325	382	575	1807	3663	4943	4828	3951	3735	3587	3686	3912	4750	5106	5308	5060	3922	2488	1964	1657	1083	790	68173	
19																										
20	532	429	331	429	853	2014	3677	4489	4515	3974	4070	4233	4454	4893	5357	5839	5682	5759	4615	2946	2201	1840	1629	1034	75795	
21	691	481	345	327	486	1044	1540	2454	3172	3898	4731	5256	5513	5232	5006	4931	4189	3547	2772	2132	2194	1852	1348	1020	64161	
22	558	341	215	200	282	537	985	1620	2374	3175	4009	4837	4949	4893	4752	4498	4243	3850	3041	2354	1838	1391	937	573	56452	
23	391	260	250	307	626	1664	3130	4228	4192	4077	4382	4684	4820	5047	5213	5395	5075	4585	3961	2460	1885	1477	1152	842	70103	
24	500	374	318	321	531	1149	2082	2808	3046	3357	3890	4623	5192	5137	5092	4989	4362	3847	2609	2008	2179	2446	1983	1138	63981	
25	480	210	151	98	135	286	498	966	1235	1967	2790	3809	4391	4371	3478	3206	3188	3410	3386	3037	2498	1671	977	550	46788	
26	274	192	202	233	526	1268	2318	3084	3494	3924	4452	5289	5365	5378	5555	5456	5378	4636	3238	2514	1972	1545	1157	826	68276	
27	503	344	312	354	616	1306	2338	3256	3378	3751	4269	5104	5403	5471	5762	5830	5340	4922	3907	2493	1940	1669	1163	897	70328	
28	558	375	262	263	327	693	1166	1719	2542	3675	4784	5886	5787	5624	5504	5302	4842	4391	3384	2535	2032	1587	1260	892	65390	
29	537	338	212	190	209	410	783	1332	2039	3034	4129	5154	5697	5108	4580	4409	4512	4207	3344	2501	1928	1213	891	566	57323	
30	355	214	219	255	491	1283	2124	2854	2642	2107	2195	2488	2336	2685	2977	3679	3556	2996	2011	1174	870	732	678	509	41430	
31	409	247	229	298	483	1135	2106	3021	3026	2831	3111	3687	4256	4445	4747	5121	4625	3549	2676	1762	1192	920	807	619	55302	

Massachusetts Highway Department

5128: Monthly Volume for 2019

Location ID:	5128	Seasonal Factor Group:	U3
County:	Essex	Daily Factor Group:	
Functional Class	3	Axle Factor Group:	U3
Location:	NEWBURYPORT TURNPIKE		

Month	Volume	Seasonal Factor	Multiplier to Average Month
January	7912	0.92	1.217
February	7087	0.82	
March	8004	0.93	
April	8714	1.01	
May	9744	1.13	1.217
June	9645	1.12	
July	9446	1.10	
August	9426	1.09	
September	8984	1.04	1.217
October	8787	1.02	
November	8078	0.94	
December	7680	0.89	
			8626

Massachusetts Highway Department
5128: Monthly Hourly Volume for January 2019

Location ID:	5128	Seasonal Factor Group: U3																							
County:	Essex	Daily Factor Group:																							
Functional Class	3	Axle Factor Group: U3																							
Location:	NEWBURYPORT TURNPIKE	Growth Factor Group:																							
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
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13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24	20	6	7	9	35	118	313	710	718	506	535	518	557	501	610	722	721	723	459	262	219	121	73	28	8491
25	21	4	13	8	39	115	317	690	680	517	575	623	618	594	630	750	727	721	531	291	239	180	116	70	9069
26	42	20	11	11	8	38	112	216	383	524	566	683	723	709	667	626	580	490	352	297	175	145	116	74	7568
27	44	19	11	5	11	24	47	104	218	322	425	499	562	625	589	554	499	373	291	194	120	88	46	26	5696
28	12	3	8	9	26	106	337	682	689	455	428	489	517	534	592	699	633	693	393	249	172	108	60	31	7925
29	10	6	7	7	27	115	317	760	714	504	487	493	513	535	620	761	705	775	371	262	220	114	73	32	8428
30	23	19	16	12	28	108	246	495	572	644	533	463	507	559	537	682	718	743	476	292	251	114	68	48	8154
31	21	15	12	17	23	100	303	715	682	436	411	464	505	475	563	707	650	728	460	272	175	139	57	36	7966

Massachusetts Highway Department
5128: Monthly Hourly Volume for February 2019

5128

U3

Essex

ω

U3

NEWBURYPORT TURNPIKE

[illegible]

Massachusetts Highway Department

5128: Monthly Hourly Volume for March 2019

Location ID:		5128	Seasonal Factor Group: U3																						
County:		Essex	Daily Factor Group:																						
Functional Class		3	Axle Factor Group: U3																						
Location:		NEWBURYPORT TURNPIKE	Growth Factor Group:																						
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1																									
2	30	21	9	10	11	44	108	206	296	378	388	465	427	384	386	406	325	345	283	190	149	120	115	45	5141
3	30	24	14	8	6	24	64	145	271	330	513	519	578	574	550	523	481	380	295	193	138	85	50	26	5821
4	23	21	40	31	30	59	123	183	203	284	325	316	359	405	396	450	457	475	296	166	127	83	50	29	4931
5	17	9	4	8	39	110	348	731	725	498	466	526	546	569	668	732	733	772	423	282	217	133	73	35	8664
6	23	13	10	4	30	107	343	746	685	482	471	518	577	567	646	759	725	691	449	277	208	139	53	28	8551
7	26	8	6	8	29	114	331	721	740	548	493	539	555	545	657	757	714	785	475	273	175	133	71	35	8738
8	20	10	10	10	30	112	333	725	661	496	470	578	637	623	724	736	727	697	500	263	179	174	117	84	8916
9	41	16	13	5	15	51	138	253	334	493	654	691	766	726	672	650	554	511	357	246	201	204	117	67	7775
10																									
11	9	6	9	31	91	294	635	660	428	457	520	578	564	623	740	658	746	484	308	197	108	64	33	16	8259
12																									
13	22	7	4	8	24	99	346	691	671	457	475	503	551	589	630	768	712	753	437	291	208	135	63	32	8476
14	21	15	10	7	29	108	327	661	709	486	473	552	598	580	699	763	785	785	448	300	199	154	84	49	8842
15	18	13	8	11	30	92	309	665	652	534	518	634	632	655	672	779	761	739	530	375	205	168	112	77	9189
16	39	22	11	3	11	47	119	206	383	480	637	718	719	720	660	634	548	451	380	319	193	154	129	87	7670
17	36	22	16	7	6	23	60	120	246	326	439	527	588	619	556	519	461	412	317	213	149	95	44	25	5826
18	13	18	5	10	29	105	303	650	657	500	481	491	539	534	622	706	695	735	448	278	189	119	52	27	8206
19	16	5	13	8	29	97	309	691	692	512	515	538	590	636	665	713	737	817	517	296	230	152	84	30	8892
20	24	3	7	14	28	108	342	702	677	477	462	484	599	622	691	784	775	770	488	282	231	144	62	27	8803
21	23	13	8	13	24	104	314	725	708	560	517	583	613	619	632	750	762	737	468	286	255	160	56	37	8967
22	20	14	6	10	34	105	293	679	637	510	453	542	544	573	619	663	752	668	427	320	213	148	112	71	8413
23	31	11	17	10	5	47	128	232	359	477	559	652	684	679	652	628	499	525	406	273	216	193	153	75	7511
24	42	17	12	2	7	22	56	133	267	311	508	638	789	788	674	646	590	427	358	213	126	87	41	25	6779
25	16	5	4	9	25	106	339	701	658	478	448	478	557	523	628	752	695	748	418	271	211	127	52	29	8278
26	15	7	11	10	27	111	332	743	706	507	544	512	572	588	714	771	783	876	502	338	250	168	63	33	9183
27	13	5	7	7	32	102	341	813	686	505	492	537	592	566	671	814	821	803	503	281	223	131	69	39	9053
28	18	10	10	7	29	108	345	755	721	509	470	605	603	620	684	754	847	831	534	322	259	164	87	35	9327
29	19	12	5	5	30	102	353	756	686	543	515	614	609	666	703	758	709	688	584	334	274	190	142	68	9365
30	41	17	12	3	5	45	113	273	421	542	641	691	763	758	768	731	671	578	456	365	206	199	134	116	8549
31	37	34	16	9	7	21	50	139	288	382	537	655	699	617	544	524	392	365	251	187	121	63	33	25	5996

Massachusetts Highway Department

5128: Monthly Hourly Volume for April 2019

Location ID:		5128		Seasonal Factor Group:		U3																			
County:		Essex		Daily Factor Group:																					
Functional Class		3		Axle Factor Group:		U3																			
Location:		NEWBURYPORT TURNPIKE		Growth Factor Group:																					
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	14	8	9	8	29	112	358	768	688	460	479	517	556	566	632	686	790	731	447	306	182	99	60	27	8532
2	15	5	7	10	32	115	336	787	749	522	542	585	580	570	707	825	785	793	502	327	237	103	60	48	9242
3																									
4	20	10	8	14	25	119	369	778	783	599	549	596	585	662	695	780	807	892	548	404	270	157	71	40	9781
5	22	8	5	14	26	108	343	783	718	518	627	634	686	694	753	841	804	815	570	327	248	183	123	68	9918
6	30	21	8	4	10	59	131	243	403	496	603	668	805	781	794	752	705	606	532	359	253	161	148	79	8651
7	58	23	17	12	12	40	80	173	301	412	588	679	711	755	704	695	583	530	389	251	157	74	48	21	7313
8	24	5	5	8	33	105	357	678	688	429	455	460	445	481	609	713	695	684	407	221	175	101	46	23	7847
9	12	2	9	8	26	111	378	775	726	530	528	541	567	580	644	739	781	786	459	315	210	106	61	38	8932
10	11	10	8	7	24	109	369	796	710	492	492	544	579	625	694	814	827	800	526	329	224	119	72	38	9219
11	19	10	10	7	28	110	382	774	735	551	546	575	566	668	737	834	823	873	560	357	251	145	67	47	9675
12	30	18	8	14	34	113	367	743	725	522	499	606	639	657	752	714	763	771	510	371	238	172	109	67	9442
13	50	20	10	5	13	54	136	247	389	501	646	716	734	731	769	823	740	696	535	391	271	186	151	78	8892
14	51	31	16	9	15	33	74	178	312	402	511	629	638	671	642	662	608	496	375	268	157	95	71	31	6975
15	16	6	3	11	19	73	227	397	434	403	443	573	549	561	578	623	582	582	418	246	166	97	60	32	7099
16	11	6	6	8	34	108	324	596	634	557	588	645	682	677	610	669	743	756	518	360	195	142	69	44	8982
17	22	7	8	11	35	101	319	575	615	543	549	601	649	633	663	772	834	867	530	310	217	137	74	37	9109
18	17	9	7	11	27	90	318	608	644	614	574	627	621	579	649	709	840	770	505	286	234	156	91	37	9023
19	16	15	7	9	33	99	340	560	590	550	584	669	712	756	754	820	771	765	583	404	260	201	127	83	9708
20	49	21	14	11	11	47	134	201	369	517	626	685	681	708	654	660	548	493	386	296	212	180	127	74	7704
21	57	31	11	3	5	30	101	156	232	279	424	448	512	466	379	383	364	365	369	236	170	73	50	21	5165
22	16	7	9	11	27	112	364	724	674	482	511	522	537	559	658	746	688	698	424	238	177	120	40	22	8366
23	13	6	7	9	25	117	361	789	774	512	529	571	572	581	727	784	773	866	614	334	221	140	104	44	9473
24	13	10	10	8	31	127	376	797	697	501	548	517	622	626	712	858	896	949	568	404	204	124	99	32	9729
25	23	13	9	7	34	133	396	798	802	578	565	619	678	701	730	863	886	934	588	405	266	180	92	35	10335
26	28	11	4	14	36	132	378	773	673	546	584	576	679	693	727	781	740	769	489	313	224	179	120	91	9560
27	37	17	14	8	9	62	145	294	457	570	610	790	778	714	730	713	630	560	410	318	251	204	194	75	8590
28	66	20	12	12	9	47	140	191	317	388	560	656	708	657	631	594	492	444	339	218	160	79	47	34	6821
29	11	7	4	6	28	127	391	768	681	507	537	566	608	613	730	776	741	805	484	360	225	119	54	31	9179
30	16	9	9	12	30	131	409	791	779	548	515	556	622	590	688	726	752	826	593	350	254	145	70	37	9458

Massachusetts Highway Department

5128: Monthly Hourly Volume for May 2019

Location ID:		5128	Seasonal Factor Group: U3																						
County:		Essex	Daily Factor Group:																						
Functional Class		3	Axle Factor Group: U3																						
Location:		NEWBURYPORT TURNPIKE	Growth Factor Group:																						
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1																									
2	27	11	4	8	27	129	411	770	781	515	497	640	625	625	727	774	783	793	513	347	220	150	89	31	9497
3	14	13	5	13	29	114	431	794	692	575	646	673	688	700	730	874	760	826	580	424	271	209	134	79	10274
4	52	16	17	7	14	56	157	302	397	555	632	719	750	780	708	691	593	533	424	383	256	199	199	105	8545
5	48	25	18	10	6	28	92	146	284	333	522	592	736	705	654	610	508	388	331	275	173	103	76	32	6695
6	17	5	9	13	23	120	435	752	727	528	507	540	598	611	709	764	795	855	525	378	221	114	65	34	9345
7	22	14	9	10	26	132	419	804	803	586	601	610	696	674	847	854	813	932	525	361	214	138	54	33	10177
8	17	9	11	9	35	118	398	806	794	548	579	655	659	662	723	895	832	920	622	426	312	157	80	49	10316
9	21	6	9	14	33	135	417	796	800	598	583	619	676	680	748	896	961	914	582	431	280	163	72	66	10500
10	26	14	7	18	32	124	387	787	698	604	612	666	715	753	778	876	791	793	605	377	261	235	150	117	10426
11	53	22	8	14	16	70	182	309	447	613	741	831	831	859	821	887	736	750	532	487	324	263	189	91	10076
12	52	25	20	5	16	42	91	169	259	362	551	630	659	630	614	549	494	404	403	265	194	92	59	28	6613
13	11	7	10	7	29	96	414	792	750	534	500	592	607	571	715	819	807	818	545	314	195	121	53	29	9336
14	16	7	7	10	35	124	380	786	713	564	521	604	627	633	757	759	737	831	456	345	221	132	61	36	9362
15	16	19	14	10	34	132	420	780	707	543	560	603	666	686	752	831	876	890	560	384	266	184	76	55	10064
16	27	12	12	11	38	150	427	817	744	605	600	651	696	687	762	881	927	978	620	422	279	209	105	39	10699
17	27	10	11	6	41	142	422	775	682	555	607	620	671	657	692	814	895	820	614	474	306	243	174	97	10355
18	41	30	14	8	18	60	187	366	463	671	753	860	974	873	828	859	754	715	622	479	353	269	179	99	10475
19	44	32	17	8	12	47	89	210	356	471	616	657	726	675	725	643	651	575	473	412	244	128	68	53	7932
20	24	6	7	11	30	130	404	768	702	508	519	584	681	657	752	847	843	868	613	379	284	161	69	39	9886
21	24	14	8	11	35	148	417	837	783	634	575	656	712	673	759	875	919	958	602	397	308	184	85	48	10662
22	23	10	7	7	34	126	431	846	767	625	565	662	698	703	833	881	919	1018	651	473	343	183	102	56	10963
23	26	11	7	14	43	124	431	839	815	618	611	656	719	718	822	894	896	918	639	407	338	186	108	55	10895
24	25	13	10	9	32	136	405	770	713	607	702	795	812	738	866	906	841	791	557	427	296	220	138	83	10892
25	67	44	15	6	21	58	182	278	440	607	703	762	864	802	780	832	708	612	565	412	341	237	163	116	9615
26	71	31	13	7	11	57	100	200	328	471	660	746	897	858	841	731	701	657	522	454	368	266	122	91	9203
27	39	25	18	7	15	34	122	214	289	406	500	723	753	730	808	738	660	522	477	347	227	108	72	51	7885
28	25	10	7	8	31	153	400	790	851	625	629	676	685	670	811	797	750	792	479	287	229	122	66	39	9932
29	22	14	9	8	38	115	426	794	747	537	615	609	629	674	763	802	821	889	578	402	236	154	76	58	10016
30	31	18	7	8	44	133	392	769	790	582	633	643	655	676	809	946	827	924	581	393	291	174	76	58	10460
31	27	14	10	8	41	142	426	799	739	650	684	706	763	794	809	901	896	862	600	473	328	275	173	89	11209

Massachusetts Highway Department

5128: Monthly Hourly Volume for June 2019

Location ID:		5128		Seasonal Factor Group:		U3																			
County:		Essex		Daily Factor Group:																					
Functional Class		3		Axle Factor Group:		U3																			
Location:		NEWBURYPORT TURNPIKE		Growth Factor Group:																					
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	33	22	18	11	9	73	185	342	469	618	736	820	881	871	808	774	758	574	501	367	253	191	145	122	9581
2	66	24	13	6	18	39	112	182	311	382	581	649	717	694	731	706	634	562	445	230	178	123	66	43	7512
3	11	8	7	8	29	129	446	791	723	558	538	609	637	700	762	841	777	839	509	422	285	144	63	53	9889
4																									
5	28	14	12	8	46	132	417	788	760	562	628	677	700	727	830	833	871	908	572	403	268	171	86	55	10496
6	32	12	7	10	27	132	396	757	772	584	585	652	693	708	787	884	819	888	537	442	305	172	108	85	10394
7	35	14	6	9	35	128	381	778	688	630	664	754	793	774	866	953	905	923	616	514	389	269	195	125	11444
8	61	33	17	13	10	70	202	349	485	688	831	800	857	996	819	777	716	704	618	421	383	281	198	119	10448
9	81	41	27	22	53	66	111	218	357	496	611	741	760	881	729	715	687	606	514	426	242	165	98	65	8712
10	21	18	7	10	34	141	394	729	763	581	584	628	660	680	718	866	784	827	516	363	247	164	93	45	9873
11	23	11	13	10	24	121	351	734	731	602	597	584	688	686	746	859	875	915	599	438	333	248	114	52	10354
12	37	9	10	11	31	131	439	761	700	615	638	649	712	747	781	906	965	901	602	492	288	181	109	77	10792
13	39	15	10	6	33	135	377	748	693	544	613	695	667	696	719	774	750	783	542	358	298	164	83	59	9801
14	29	11	10	7	38	138	375	716	669	612	701	768	773	756	782	877	917	843	631	531	372	266	201	110	11133
15	59	31	17	17	16	82	192	335	446	599	773	828	798	773	783	763	703	680	601	472	396	333	191	108	9996
16	63	35	18	9	8	51	89	166	293	458	550	740	641	614	665	534	505	497	333	297	172	107	78	35	6958
17	16	7	13	7	30	113	363	604	681	573	546	646	702	653	743	799	855	833	561	413	314	189	111	55	9827
18	28	15	15	7	36	134	391	688	732	597	603	663	688	670	693	757	803	808	515	371	246	160	102	60	9782
19	35	14	10	11	46	120	375	608	699	613	571	615	659	664	730	785	855	895	580	373	340	191	127	56	9972
20	35	17	6	11	42	139	397	597	634	596	601	644	626	706	683	666	734	798	490	322	254	179	97	76	9350
21	33	6	7	15	32	113	350	534	601	545	642	637	752	723	709	719	805	726	509	387	262	223	145	107	9582
22	66	25	14	13	18	78	158	267	415	577	701	789	759	751	699	679	674	608	522	425	303	270	186	105	9102
23	52	36	15	14	20	62	124	230	361	475	689	663	731	782	752	706	722	681	536	404	339	235	126	74	8829
24	20	11	11	16	29	107	393	562	666	605	606	686	654	657	695	762	854	883	543	374	303	181	93	51	9762
25	32	8	14	11	38	122	344	608	743	636	627	686	687	657	681	670	719	817	472	321	218	154	92	40	9397
26	21	12	12	10	36	108	377	606	725	571	571	676	656	701	759	782	855	872	601	430	355	228	152	65	10181
27	30	8	5	13	39	128	364	622	759	603	613	657	719	705	748	831	889	881	650	496	356	247	149	70	10582
28	42	7	6	14	49	109	373	583	679	665	655	730	738	786	786	856	822	813	578	515	344	263	217	122	10752
29	75	33	10	14	18	83	172	246	344	522	635	680	707	723	666	658	551	514	448	357	314	248	201	98	8317
30	77	27	8	11	11	47	103	191	304	422	555	608	588	697	595	510	557	382	413	289	219	151	93	43	6901

Massachusetts Highway Department

5128: Monthly Hourly Volume for July 2019

Location ID:		5128		Seasonal Factor Group: U3																					
County:		Essex		Daily Factor Group: U3																					
Functional Class		3		Axle Factor Group: U3																					
Location:		NEWBURYPORT TURNPIKE																							
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	20	9	6	10	39	115	354	545	614	553	595	658	691	682	728	757	788	814	510	448	312	220	128	47	9643
2	32	13	10	10	40	111	361	576	635	642	621	671	718	735	776	793	536	459	561	432	342	228	138	67	9507
3	36	14	9	9	42	120	369	540	668	627	675	725	702	722	721	828	773	681	490	394	307	226	156	108	9942
4	47	20	10	11	14	50	113	192	309	411	448	510	569	515	504	498	438	432	380	312	288	221	183	152	6627
5	62	26	17	15	20	78	191	368	418	505	581	655	705	709	681	681	701	676	489	417	352	300	153	112	8912
6	57	31	23	15	14	58	137	251	368	557	638	693	671	667	603	642	567	465	376	282	199	162	127	71	7674
7	63	27	11	9	14	43	124	173	335	385	551	674	692	766	717	734	690	616	494	427	314	206	105	51	8221
8	26	13	14	9	31	121	356	602	732	623	535	610	724	673	711	786	802	822	553	377	328	202	121	50	9821
9	21	14	13	16	37	128	394	645	845	646	667	709	793	711	734	825	838	887	599	443	359	220	134	69	10747
10	28	8	7	10	37	126	388	600	846	666	615	715	782	768	699	830	903	945	614	462	342	235	169	64	10859
11	34	20	13	21	41	148	385	589	774	675	596	713	803	728	739	897	821	787	510	339	293	208	118	49	10301
12	24	15	11	12	33	116	325	555	657	626	584	653	751	692	715	801	809	743	580	399	342	236	160	94	9933
13	47	24	13	10	21	68	162	292	470	580	700	716	772	705	710	686	603	622	553	421	394	286	226	136	9217
14	73	39	18	12	16	48	127	192	378	488	639	721	706	715	705	644	628	556	474	413	280	219	115	65	8271
15																									
16	35	14	18	12	39	132	387	631	858	687	569	678	708	726	755	899	888	857	639	412	337	185	135	63	10664
17	32	15	13	10	33	137	373	584	766	550	595	610	686	712	688	769	792	741	424	297	221	178	102	62	9390
18	37	18	12	6	37	111	375	579	685	641	599	661	750	690	675	764	836	834	576	429	303	207	154	75	10054
19	30	16	14	11	46	120	344	569	666	607	667	720	723	755	741	791	762	771	585	443	329	274	190	152	10326
20	67	40	15	13	14	76	162	287	469	598	647	679	663	605	569	542	481	474	487	388	364	261	148	109	8158
21	55	29	17	18	13	36	106	197	347	408	517	526	600	559	584	548	501	486	444	413	272	191	91	42	7000
22	28	14	15	10	33	119	388	614	722	618	596	635	693	722	681	715	737	726	492	298	248	144	73	48	9369
23	22	11	11	15	32	103	313	558	714	565	546	613	670	627	736	773	847	809	492	376	276	185	115	45	9454
24	21	12	11	13	32	113	347	577	783	680	602	643	761	736	744	836	851	840	567	456	377	240	134	74	10450
25	32	13	13	9	48	118	359	599	745	595	652	658	712	744	715	876	868	865	577	437	334	231	139	77	10416
26	54	14	12	5	30	121	358	533	663	649	639	730	796	752	853	898	832	772	591	441	376	242	181	81	10623
27	62	25	22	12	16	71	137	304	421	597	674	768	739	735	746	683	642	608	487	459	383	267	243	172	9273
28	88	53	12	16	14	52	114	225	357	448	611	651	726	738	713	657	641	581	509	475	348	213	106	55	8403
29	32	16	11	12	37	121	350	664	659	586	567	667	646	673	748	789	811	760	519	355	273	185	112	54	9647
30	35	11	11	11	38	129	358	615	748	701	691	706	708	752	783	809	907	906	570	395	413	250	114	77	10738
31	36	13	12	8	37	128	395	558	692	618	654	680	704	726	707	766	857	740	488	320	233	171	116	80	9739

Massachusetts Highway Department

5128: Monthly Hourly Volume for August 2019

Location ID:		5128																								
County:		Essex																								
Functional Class		3																								
Location:		NEWBURYPORT TURNPIKE																								
		Seasonal Factor Group: U3												Daily Factor Group:												
		Axle Factor Group: U3												Growth Factor Group:												
		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	34	16	17	13	40	128	363	608	740	649	594	687	769	767	795	868	866	919	832	497	434	303	175	71	11185	
2																										
3	105	34	16	16	20	52	153	303	388	562	664	739	757	722	716	651	626	568	532	461	373	319	443	116	9336	
4	57	33	19	10	17	45	110	185	348	457	632	707	712	669	687	731	624	541	460	432	304	147	97	55	8079	
5	24	12	7	9	31	117	372	606	669	582	534	699	663	700	687	786	792	764	529	377	264	201	94	53	9572	
6	28	12	12	7	39	136	351	662	699	637	586	672	788	732	747	838	837	836	531	385	305	197	110	44	10191	
7	28	12	8	15	38	134	347	610	693	621	544	617	719	669	709	803	759	759	549	366	298	194	110	63	9665	
8	22	10	9	10	34	111	308	594	711	595	578	650	688	684	753	867	819	834	563	396	337	208	130	60	9971	
9	28	15	12	13	35	115	335	546	649	620	646	722	723	741	764	809	887	800	566	445	333	232	181	107	10324	
10	58	24	24	14	15	63	140	249	392	535	698	744	823	754	727	727	647	634	478	417	310	230	170	101	8974	
11	72	38	24	10	15	57	112	187	336	442	647	663	696	777	767	729	665	660	536	428	273	166	119	55	8474	
12	23	20	11	14	33	128	353	599	628	557	569	640	634	687	707	808	838	854	514	388	281	176	87	49	9598	
13	21	9	10	10	47	130	338	595	676	627	571	620	702	650	679	716	768	782	508	368	281	135	99	54	9396	
14	18	7	10	14	38	122	364	615	686	625	628	705	705	685	739	805	890	886	589	406	341	201	138	64	10281	
15	32	12	12	7	38	129	319	595	735	571	552	689	727	714	731	804	942	902	636	492	401	229	142	57	10468	
16	29	14	10	14	29	117	345	582	605	605	602	653	730	798	791	811	843	779	570	404	304	231	121	93	10080	
17	56	17	12	6	12	56	125	248	402	516	629	716	649	676	667	648	600	557	451	352	281	205	164	107	8152	
18	59	23	12	7	10	50	90	177	312	384	487	625	721	716	645	628	618	566	501	399	273	161	79	49	7592	
19	17	15	7	8	34	120	316	560	647	603	572	666	689	632	681	704	802	777	506	368	253	149	80	51	9257	
20	21	11	7	12	34	130	363	611	709	632	589	693	725	709	726	817	880	859	577	462	295	176	123	65	10226	
21	18	13	17	14	37	141	334	563	641	592	573	577	676	697	719	709	771	706	443	276	248	150	89	52	9056	
22	32	22	13	6	32	135	345	541	674	633	639	689	677	676	705	738	826	871	560	432	348	195	139	51	9979	
23	27	16	11	7	33	124	344	522	622	571	611	705	720	707	783	812	808	784	541	382	259	179	111	64	9743	
24	38	18	6	11	18	63	148	270	404	525	643	697	744	708	704	674	644	634	474	409	284	211	147	80	8554	
25	54	28	11	8	12	36	88	194	315	401	552	672	702	683	690	670	600	549	442	346	211	110	72	47	7493	
26	12	8	5	9	33	133	351	602	580	534	600	616	694	608	702	753	818	816	531	374	241	130	73	42	9265	
27	16	11	5	10	35	141	337	603	735	596	699	609	652	687	765	826	839	846	567	362	294	144	79	31	9889	
28	17	10	5	7	40	138	365	648	669	588	546	674	676	664	749	803	738	808	519	279	214	130	73	31	9391	
29	22	12	8	11	29	134	359	655	659	613	627	655	719	672	757	743	883	918	602	445	271	190	98	64	10146	
30	25	19	8	7	33	113	317	556	559	596	642	681	719	761	839	879	836	765	616	409	264	210	141	78	10073	
31	37	31	14	11	14	48	105	289	383	517	659	700	679	716	709	694	590	582	480	397	281	203	140	93	8372	

Massachusetts Highway Department

5128: Monthly Hourly Volume for September 2019

Location ID:	5128	Seasonal Factor Group:	U3
County:	Essex	Daily Factor Group:	
Functional Class	3	Axle Factor Group:	U3
Location:	NEWBURYPORT TURNPIKE	Growth Factor Group:	

	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	50	31	11	11	18	37	88	184	320	416	548	641	704	722	771	723	684	593	411	337	260	148	105	51	7864
2	25	8	8	3	16	30	69	154	247	326	494	584	587	650	611	547	486	447	348	203	125	82	53	26	6129
3	10	8	10	14	28	135	357	800	721	556	610	660	712	680	693	810	845	816	538	385	220	120	53	38	9819
4																									
5	19	11	5	7	34	114	377	757	751	553	606	621	657	656	730	828	871	876	636	387	264	172	73	43	10048
6	23	8	18	8	37	122	375	746	662	537	583	631	661	674	729	811	837	784	682	427	291	335	99	61	10141
7	39	19	11	4	10	46	133	285	409	544	663	701	740	672	752	719	614	592	477	361	253	192	121	82	8439
8	35	15	8	9	9	40	113	144	342	454	635	706	761	803	827	797	685	525	464	292	160	70	40	37	7971
9	17	8	11	6	34	114	390	767	729	505	583	542	562	582	684	764	792	847	505	300	204	109	48	29	9132
10	12	10	7	9	37	126	389	815	759	544	559	625	651	642	714	794	789	932	570	336	240	110	49	30	9749
11	19	8	6	10	32	137	388	751	692	500	556	564	622	627	662	887	824	868	591	387	239	137	65	30	9602
12	16	9	6	8	31	131	408	790	773	637	525	571	584	591	678	804	806	858	539	354	224	143	77	24	9587
13	19	9	10	8	41	118	412	725	640	540	533	624	703	721	779	909	849	807	598	393	253	217	145	78	10131
14	51	18	14	9	10	59	141	333	464	590	678	744	719	715	655	610	538	525	404	280	198	180	129	97	8161
15	46	27	13	10	17	32	94	193	333	430	581	651	793	653	663	599	631	620	430	329	173	84	44	18	7464
16	9	7	6	10	34	113	360	786	654	556	587	544	615	652	648	790	784	832	493	322	207	126	46	32	9213
17	17	8	7	10	42	127	394	814	746	574	560	580	660	638	712	850	841	922	556	350	223	111	49	30	9821
18	11	14	7	8	35	122	364	718	720	529	559	605	650	643	761	786	856	883	555	315	206	100	55	28	9530
19	14	7	5	5	24	97	354	750	717	575	527	618	652	630	728	809	813	846	611	353	203	99	60	34	9531
20	15	6	8	9	30	90	362	728	645	556	582	704	723	781	822	757	853	806	699	421	291	203	134	62	10287
21	36	14	11	3	14	63	157	294	481	640	725	741	758	648	630	674	616	599	483	334	229	176	107	76	8509
22	41	19	10	12	12	38	102	182	321	406	533	636	649	631	500	549	531	489	402	273	142	83	20	29	6610
23	11	11	9	12	26	99	350	737	689	543	542	540	621	614	725	791	809	823	511	255	167	100	42	27	9054
24	13	6	8	6	31	124	372	749	714	563	569	602	659	622	771	826	851	846	552	328	218	114	56	27	9627
25	16	5	10	3	35	139	373	714	665	546	538	556	645	662	706	810	798	874	553	350	224	108	51	32	9413
26	22	9	6	6	35	123	366	750	724	518	569	596	655	696	705	832	850	847	550	284	271	160	75	28	9677
27	18	8	12	6	31	132	368	763	650	560	572	640	676	698	759	823	900	871	572	358	251	196	147	66	10077
28	59	24	14	10	17	52	130	269	451	552	700	802	749	784	710	765	678	627	531	364	214	193	157	79	8931
29	43	21	11	8	9	45	98	171	335	412	541	664	753	654	577	539	523	517	424	264	145	78	39	22	6893
30	11	9	2	9	38	140	427	762	693	495	550	554	605	555	712	795	780	793	470	340	171	110	63	35	9119

Massachusetts Highway Department

5128: Monthly Hourly Volume for October 2019

Location ID:		5128		Seasonal Factor Group:		U3																			
County:		Essex		Daily Factor Group:																					
Functional Class		3		Axle Factor Group:		U3																			
Location:		NEWBURYPORT TURNPIKE		Growth Factor Group:																					
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	21	9	7	12	42	123	363	787	746	552	532	642	646	621	729	781	770	913	575	321	224	118	67	34	9635
2	16	12	7	9	37	131	390	772	690	519	537	575	604	659	702	816	774	811	502	276	205	135	64	34	9277
3	13	7	6	6	33	114	388	772	757	576	553	610	650	610	701	846	899	877	574	344	229	140	57	29	9791
4																									
5	35	8	11	4	15	51	119	288	415	543	640	744	710	722	693	733	630	600	438	299	211	180	160	86	8335
6	42	25	13	8	13	46	83	178	327	446	522	573	663	643	505	489	470	437	373	220	127	70	48	34	6355
7	16	10	4	6	30	107	376	751	681	532	494	556	607	631	707	740	713	838	469	303	178	119	60	32	8960
8	12	4	9	6	36	113	366	755	728	522	554	603	634	650	758	808	864	856	540	327	235	150	76	28	9634
9	14	9	6	9	38	128	362	751	690	550	557	569	603	634	719	796	752	820	501	315	196	120	64	31	9234
10	13	11	13	10	37	113	363	733	734	556	533	605	633	622	664	762	747	841	561	318	243	151	76	53	9392
11	16	10	9	7	31	127	347	744	677	572	570	616	678	690	668	746	687	738	456	342	214	156	116	79	9296
12	32	15	5	10	14	45	106	243	379	525	604	645	715	609	624	654	574	482	380	256	216	175	142	94	7544
13	41	20	10	12	11	44	71	166	310	419	572	663	746	710	771	748	692	589	455	276	190	145	110	53	7824
14	34	7	7	6	19	61	236	379	435	494	545	618	667	725	699	729	708	663	466	262	191	134	61	35	8181
15	14	11	7	5	33	122	363	788	738	536	599	608	626	769	768	901	818	897	590	303	230	117	63	37	9943
16	13	19	6	10	32	118	383	759	701	558	548	574	687	669	688	851	821	893	531	285	208	117	63	27	9561
17	20	6	7	15	36	102	289	582	687	591	549	581	592	595	628	694	738	750	487	306	220	137	72	41	8725
18	30	9	10	11	35	112	334	731	642	567	593	607	719	690	759	910	838	883	593	396	266	231	157	69	10192
19	51	19	7	8	22	61	123	281	431	559	688	821	769	798	759	733	694	670	453	306	245	198	124	72	8892
20	52	22	13	10	13	49	71	183	333	458	550	682	711	730	718	643	558	500	312	209	135	78	50	36	7116
21	6	5	8	9	35	91	345	730	683	517	507	552	574	594	660	780	778	761	474	263	155	79	57	34	8697
22	19	11	3	12	34	78	353	804	725	557	567	610	592	632	707	780	792	837	506	240	179	100	60	35	9233
23	13	6	5	9	32	95	341	747	679	513	478	535	645	607	688	798	808	852	561	289	207	136	72	36	9152
24	17	7	7	7	44	95	377	787	747	539	571	590	660	622	777	872	873	852	641	362	226	162	65	40	9940
25	32	16	9	12	37	103	349	738	693	527	585	576	661	659	776	898	826	753	576	374	280	261	139	71	9951
26	50	17	10	4	12	66	144	282	460	554	647	753	778	741	683	712	609	571	450	303	215	173	165	82	8481
27	55	23	8	3	11	28	45	144	278	336	465	492	544	508	484	395	365	251	206	173	131	55	48	24	5072
28	8	9	12	11	31	102	357	737	633	473	500	510	615	593	632	746	773	768	465	292	165	103	34	35	8604
29	21	9	9	7	35	118	344	746	747	566	480	584	608	641	698	803	782	769	484	268	185	116	62	35	9117
30	10	15	8	11	39	109	343	754	669	453	512	525	583	622	693	789	725	845	490	306	213	120	74	43	8951
31	23	8	15	8	38	108	341	733	732	488	492	501	576	594	675	726	722	722	343	291	181	115	59	30	8521

Massachusetts Highway Department

5128: Monthly Hourly Volume for November 2019

Location ID:		5128		Seasonal Factor Group: U3																					
County:		Essex		Daily Factor Group:																		U3			
Functional Class		3		Axle Factor Group: U3																		U3			
Location:		NEWBURYPORT TURNPIKE		Growth Factor Group:																					
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	18	13	10	13	36	119	340	714	679	598	630	673	743	654	738	756	836	771	592	343	259	225	139	78	9977
2	49	16	10	4	13	46	122	308	388	519	600	654	711	668	696	678	620	510	403	267	205	151	156	80	7874
3	47	23	9	3	5	10	46	88	181	316	429	558	612	711	661	594	582	414	349	204	150	102	59	48	6201
4	36	11	7	5	7	34	106	387	789	642	503	524	556	588	603	671	740	759	733	425	250	159	97	58	8690
5	40	16	10	4	7	42	119	383	805	745	543	539	624	610	602	657	704	734	749	422	256	161	99	83	8954
6	32	23	7	9	12	35	127	381	788	685	557	507	558	625	640	699	820	781	767	464	259	193	110	67	9146
7																									
8	26	9	6	5	30	116	367	711	626	469	502	549	635	612	660	813	739	708	453	263	217	176	104	68	8864
9	33	17	8	9	15	47	127	281	437	566	657	682	777	674	668	664	550	460	384	254	174	165	122	99	7870
10	31	21	12	8	7	30	69	185	289	371	521	631	632	621	596	551	463	370	265	216	144	90	51	46	6220
11	18	7	7	7	34	96	278	480	459	484	488	516	625	582	607	640	667	588	358	216	153	86	42	31	7469
12	19	10	5	6	35	125	369	770	733	523	546	569	575	565	610	750	744	727	422	253	192	168	76	40	8832
13	20	3	6	6	34	122	385	737	625	465	479	547	525	543	619	746	766	736	421	272	200	128	69	61	8515
14	24	9	4	6	33	126	374	779	757	555	587	551	577	628	669	815	789	769	477	339	226	141	81	38	9354
15	18	14	6	13	35	109	362	783	714	548	569	602	690	636	720	896	843	767	454	327	237	179	112	76	9710
16	36	21	7	11	14	66	134	267	447	566	631	763	711	723	682	603	542	428	338	241	159	148	117	83	7738
17	31	15	10	4	8	35	64	138	269	375	443	536	599	573	499	494	375	253	221	166	130	69	51	27	5385
18	14	3	6	11	30	115	326	735	675	452	465	508	573	541	621	747	705	685	426	252	194	101	41	26	8252
19	10	9	6	8	31	133	326	774	648	490	503	522	577	588	652	768	862	781	420	249	227	108	64	41	8797
20	13	10	10	9	36	125	379	759	708	522	500	522	545	535	679	727	809	747	458	286	183	130	61	43	8796
21	22	5	7	9	33	129	364	848	852	591	515	602	573	643	651	836	816	730	508	324	256	160	88	40	9602
22	25	9	6	11	33	141	362	815	676	539	537	664	678	698	698	790	804	720	415	289	215	149	108	72	9454
23	42	17	12	4	11	60	115	304	419	584	654	738	715	691	668	624	548	513	394	262	188	180	135	67	7945
24	41	23	8	7	8	28	50	132	236	321	426	498	458	454	399	377	297	225	167	157	106	72	38	27	4555
25	16	10	9	9	31	137	352	691	651	544	502	584	596	623	651	735	726	733	416	270	191	111	69	37	8694
26	20	12	7	10	36	136	339	737	763	537	597	646	609	706	769	832	841	740	470	330	222	181	93	36	9669
27	31	15	6	8	43	142	335	729	678	555	685	777	760	737	728	787	651	488	376	277	222	176	131	107	9444
28	86	49	14	5	10	24	42	114	181	225	254	367	410	311	189	164	258	254	227	216	181	102	61	47	3791
29	14	19	11	12	15	43	111	250	323	403	561	598	631	641	634	635	547	416	334	230	161	169	102	85	6945
30	26	22	17	6	14	47	77	228	387	521	621	702	791	666	689	659	551	433	318	228	179	157	116	72	7527

Massachusetts Highway Department

5128: Monthly Hourly Volume for December 2019

Location ID: 5128		Seasonal Factor Group: U3																							
County: Essex		Daily Factor Group:																							
Functional Class 3		Axle Factor Group: U3																							
Location: NEWBURYPORT TURNPIKE		Growth Factor Group:																							
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	TOTAL
1	43	30	10	13	16	31	72	163	276	403	463	546	560	515	479	468	391	233	173	150	86	49	43	37	5250
2																									
3	31	21	20	14	37	84	177	250	279	288	263	278	289	350	433	464	488	512	332	185	139	87	58	22	5101
4	13	10	7	12	45	114	334	743	663	490	515	560	570	613	670	753	760	762	450	274	211	125	73	37	8804
5	25	6	6	7	44	115	323	777	706	513	540	533	586	602	652	767	820	785	489	338	218	179	86	47	9164
6	21	9	11	10	38	121	346	722	736	535	577	576	620	624	657	739	746	697	507	302	249	220	167	118	9348
7	40	20	11	6	11	59	112	313	401	615	702	696	791	796	732	688	670	513	381	322	214	193	149	87	8522
8	44	15	13	7	5	36	51	135	239	379	469	627	620	649	574	522	469	326	217	186	136	79	49	20	5867
9	13	6	6	6	28	115	301	688	623	469	526	468	480	513	580	684	704	709	406	254	186	122	48	36	7971
10	18	9	9	8	37	123	358	743	747	564	558	608	609	633	700	784	789	737	495	295	238	133	53	30	9278
11	14	12	15	19	50	134	334	733	665	465	476	500	536	558	671	789	777	719	518	298	244	143	61	45	8776
12	23	3	5	9	43	123	322	774	709	544	550	634	663	635	745	819	823	794	497	291	245	167	80	57	9555
13	18	13	9	14	33	122	331	749	664	533	558	659	701	704	820	836	834	716	492	301	284	249	152	92	9884
14	66	14	7	5	11	53	115	246	403	500	604	741	789	762	748	672	585	511	373	276	208	187	163	68	8107
15	48	19	11	1	3	39	57	138	267	371	482	648	693	557	525	463	431	378	272	209	124	81	70	23	5910
16	14	6	6	8	43	113	329	718	681	526	573	569	642	668	734	843	815	708	490	279	219	132	75	40	9231
17	11	7	6	13	36	125	275	506	509	438	437	390	435	450	440	505	556	498	320	201	145	100	65	38	6506
18	19	11	18	35	46	124	322	698	746	538	553	585	616	695	757	839	836	787	552	285	306	180	79	47	9674
19	17	11	7	8	36	127	316	729	748	589	574	610	652	664	774	882	852	813	528	323	272	180	120	59	9891
20	24	19	11	6	35	117	315	720	631	562	628	709	714	720	785	880	837	708	521	343	240	236	169	103	10033
21	57	24	14	5	14	61	92	244	377	539	695	774	786	764	672	676	549	420	268	232	232	167	120	68	7850
22	48	23	10	3	7	27	67	133	274	374	486	584	631	635	607	537	476	389	308	230	182	143	65	44	6283
23	25	11	8	7	30	120	236	425	552	583	632	732	774	755	762	808	763	630	433	298	211	160	100	48	9103
24	35	11	10	11	30	96	168	387	508	606	680	763	759	616	616	495	435	359	243	176	164	167	132	78	7545
25	37	28	4	2	6	16	34	71	81	154	170	224	280	305	274	244	203	204	184	196	135	100	57	28	3037
26	10	4	6	9	22	68	159	269	328	377	432	565	594	630	596	604	548	481	297	174	179	138	111	67	6668
27	34	17	10	5	25	79	171	364	444	478	548	630	637	630	580	627	592	502	370	244	196	157	106	93	7539
28	52	30	15	6	12	51	80	183	327	433	582	668	700	704	654	663	526	423	314	211	163	149	104	73	7123
29	64	24	10	5	5	32	59	127	227	325	409	540	528	483	448	363	418	350	239	206	130	109	76	50	5227
30	25	12	11	12	32	96	214	335	417	386	397	374	451	420	475	517	515	435	260	198	149	99	54	66	5950
31	28	25	20	14	30	104	175	371	446	499	559	642	622	618	601	589	514	411	289	217	140	100	109	65	7188

Salisbury, MA Covid Adjustment

ATR from February 24 & 25, 2021

Lafayette Road, north of Gardner Street

ADT = 10,032

Seasonally adjusted : $10,032 \times 1.227 = 12,309$

Transportation Data Management System

Permanent Count Station ID 3372837

Lafayette Road, north of Gardner Street

AADT from 2019 = 12,388

Adjust to 2021 with 1% growth rate = 12,637

$(12,637 - 12,309) / 12,637 \times 100 = 2.60\%$

Adjust 2021 traffic volumes upward by 2.60% for Covid Adjustment

Crash Data and Worksheets

Police Use Only			Commonwealth of Massachusetts				RMV Document Number						
Date of Crash 10/07/2017	Time of Crash 1320 24HR	City/Town SALISBURY	Motor Vehicle Crash Police Report			Number Vehicles 2	Number Injured 0	Speed Limit _____ Latitude _____ Longitude _____	State Police ☐ Local Police ☒ MBTA Police ☐ Other: _____				
AT INTERSECTION:			< LOCATION >		NOT AT INTERSECTION:								
Route# _____ Direction _____ Name of Roadway/Street _____ At _____			Route# _____ Direction _____ Address # _____ Name of Roadway/Street _____ _____ Feet ☐ N ☐ S ☐ E ☐ W of _____ or _____ Mile Marker _____ Exit Number _____										
Route# _____ Direction _____ Name of Intersecting Roadway/Street _____ Also at Intersection with _____			_____ Feet ☐ N ☐ S ☐ E ☐ W of _____ Route# _____ Intersecting Roadway/Street _____										
Route# _____ Direction _____ Name of Intersecting Roadway/Street _____			_____ Feet ☐ N ☐ S ☐ E ☐ W of _____ Landmark _____										
Please Select One of the Following: ☒ Vehicle 14 #Occupants ☐ Hit/Run ☐ Moped			Crash Report ID# 17-231-AC										
License # 07KYH65151 St NH DOB/Age 07/15/1965 Sex M Lic. Class ☐ 19 ☐ 19 Lic. Restrictions ☐ 20 CDL _____ Operator KEANEY, HUGH F Address 26 K ST APT 2 City HAMPTON State NH Zip 03842 Insurance Company _____ Vehicle Travel Direction: ☐ N ☒ S ☐ E ☐ W Responding to Emergency? 2 Citation # (If Issued) _____ Viol. 1: Ch/Sec/Sub _____ Viol. 2: Ch/Sec/Sub _____ Viol. 3: Ch/Sec/Sub _____ Viol. 4: Ch/Sec/Sub _____			Reg # 3436901 Reg Type PC Reg State NH Veh Year 2011 Veh Make MITSUBISHI Veh Config. 1 21 Owner KEANEY, HUGH F Address 26 K ST APT 2 City HAMPTON State NH Zip 03842 Vehicle Action Prior to Crash 4 22 Event Sequence 1 23 23 23 23 Most Harmful Event 1 24 Driver Contributing Code 18 25 25 Driver Distracted by 0 26 Damaged Area Code: 1 27 27 27 Test Status: 28 Type of Test: 29 BAC Test Result: 30 Susp. Alcohol: 31 Susp. Drug: 32 Towed from scene? 2 33										
Please fill out for operator and all occupants involved			1 13										
Name (Last First Middle) Address DOB/Age Sex 34 Seat Pos. 35 Safety System 36 Airbag Status 37 Eject Code 38 Trap Code 39 Injury Status 40 Transp. Code Medical Facility													
Operator See Above													
ANDREA KNOWLES 2 FOREST RD SALISBURY, MA 01952-1619			05/02/1976 F 3 99 4 0 0 5 1										
BRYLAN KNOWLES 869 LAFAYETTE RD HAMPTON, NH 03842			07/05/2005 M 4 99 4 0 0 5 1										
AIDEN DALTON 24 BATCHELDER RD SEABROOK, NH 03874			01/08/2015 M 6 4 4 0 0 5 1										
Please Select One of the Following: ☒ Vehicle 22 #Occupants ☐ Non-Motorist A Type 15 Action 16 Location 17 Condition 18 ☐ Hit/Run ☐ Moped													
License # S42670414 St MA DOB/Age 01/08/1992 Sex F Lic. Class ☐ 19 ☐ 19 Lic. Restrictions ☐ 20 CDL _____ Operator CURRAN, MELISSA ANNE Address 26 FAY ST City WILMINGTON State MA Zip 01887-1807 Insurance Company INTECON NATIONAL Vehicle Travel Direction: ☐ N ☒ E ☐ W Responding to Emergency? 2 Citation # (If Issued) _____ Viol. 1: Ch/Sec/Sub _____ Viol. 2: Ch/Sec/Sub _____ Viol. 3: Ch/Sec/Sub _____ Viol. 4: Ch/Sec/Sub _____			Reg # 797HV8 Reg Type PC Reg State MA Veh Year 2010 Veh Make TOYOTA Veh Config. 1 21 Owner CURRAN, DAVID P Address 26 FAY ST City WILMINGTON State MA Zip 01887-1807 Vehicle Action Prior to Crash 1 22 Event Sequence 1 23 23 23 23 Most Harmful Event 1 24 Driver Contributing Code 1 25 25 Driver Distracted by 0 26 Damaged Area Code: 7 27 27 27 Test Status: 28 Type of Test: 29 BAC Test Result: 30 Susp. Alcohol: 31 Susp. Drug: 32 Towed from scene? 2 33										
Please fill out for operator/non-motorist and all occupants involved			1 14										
Name (Last First Middle) Address DOB/Age Sex 34 Seat Pos. 35 Safety System 36 Airbag Status 37 Eject Code 38 Trap Code 39 Injury Status 40 Transp. Code Medical Facility													
Operator/Non-Motorist See Above													
CRAIG BASSETT 43 SEABROOK RD SALISBURY, MA 01952-1615			03/27/1990 M 3 99 4 0 0 5 1										

→ = Direction 1 = Vehicle 1 2 = Vehicle 2 O = Pedestrian B = Bicycle
 ie: → 1 → 2 → O → B

Crash Diagram:

If Crash Did Not Occur on a Public Way:

☐ Off-Street Parking Lot

☐ Garage

☐ Mall/Shopping Center

☐ Other Private Way

Indicate North by Arrow

Crash Narrative:

Vehicle 1 was exiting driveway of 2 Forest Rd. Vehicle 1 did not see Vehicle 2 traveling south on Forrest Rd., possibly because of a hedge at the end of the driveway. Vehicle 1 drove into the side of Vehicle 2 as it attempted to pull out of the driveway and turn south.

-No injuries were reported on scene

-No vehicle were towed from the scene

Witnesses:

Name (Last,First,Middle)	Address	Phone #	Statement

Property Damage:

Owner (Last,First,Middle)	Address	Phone #	41-Type	Description of Damaged Property

Truck and Bus Information:

Registration # _____ (From Vehicle Section)

Carrier Name _____ Bus Use 42

Address _____ City _____ St _____ Zip _____

US DOT #: _____ State Number _____ Issuing State _____ MC/MX/ICC #: _____

Interstate 43 Cargo Body Type Code 44 GVWR/GCWR 45

Trailer Reg #: _____ Reg Type _____ Reg State _____ Reg Year _____ Trailer Length 46

Hazmat Information:

Placard 47 Material 1 digit # 48 Material Name _____ Material 4 digit # _____ Release code 49

PATROLMAN CRAIG GOODRICH-127

Police Officer Name (Please Print)

Signature

GOOC

ID/Badge #

Salisbury Police Department

Department

Precinct/Barracks

10/07/2017

Date

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Salisbury COUNT DATE : Feb-21

DISTRICT : 4 UNSIGNALIZED : ☒ X SIGNALIZED : ☐

~ INTERSECTION DATA ~

MAJOR STREET : Lafayette Road (Route 1)

MINOR STREET(S) : Forest Road

INTERSECTION
DIAGRAM
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM/PM) :	0	39	596	525		1,160

" K " FACTOR :

0.091

INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

12,747

TOTAL # OF CRASHES :

1

OF YEARS :

5

AVERAGE # OF CRASHES PER YEAR (A) :

0.20

CRASH RATE CALCULATION :

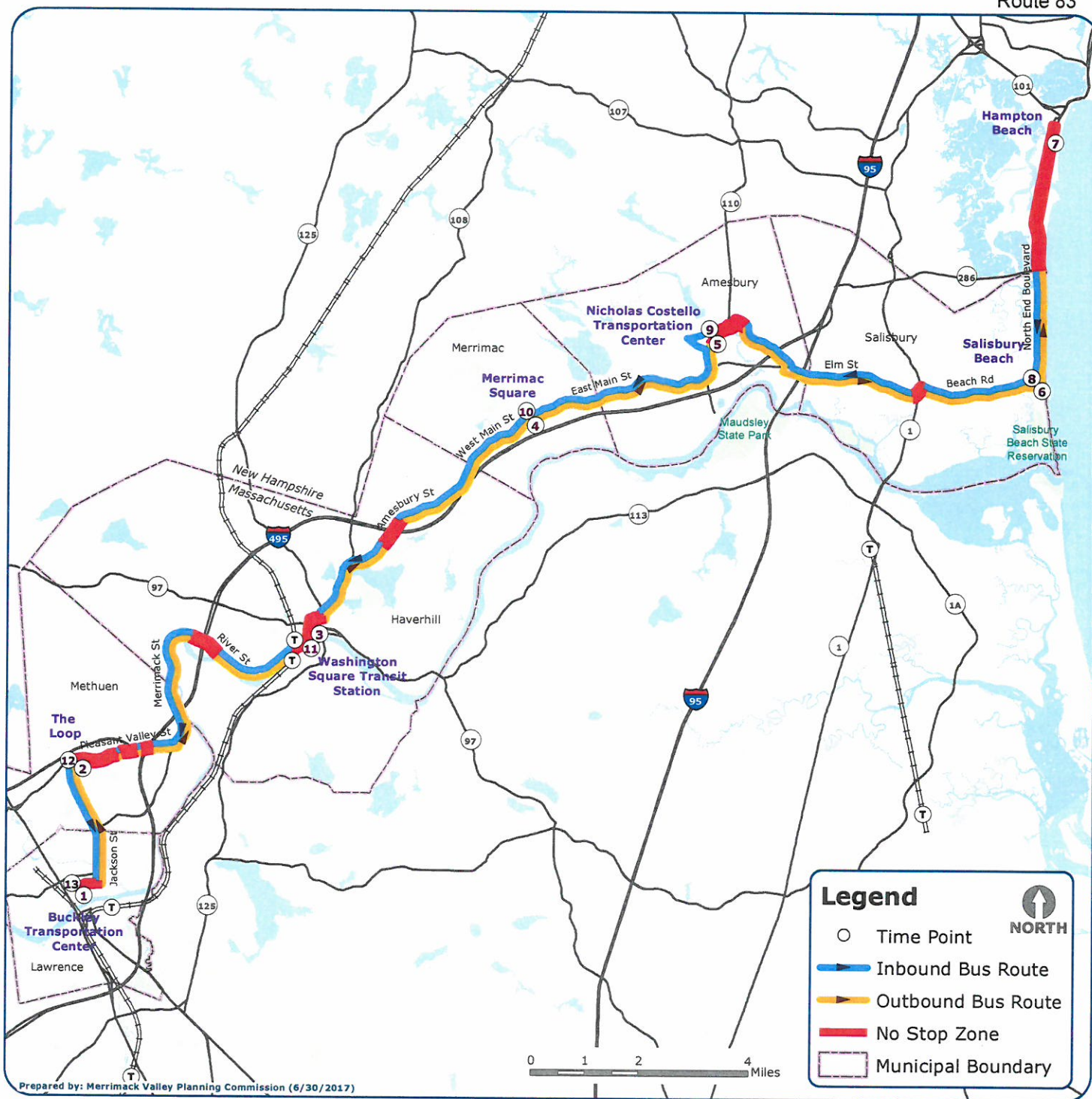
0.04

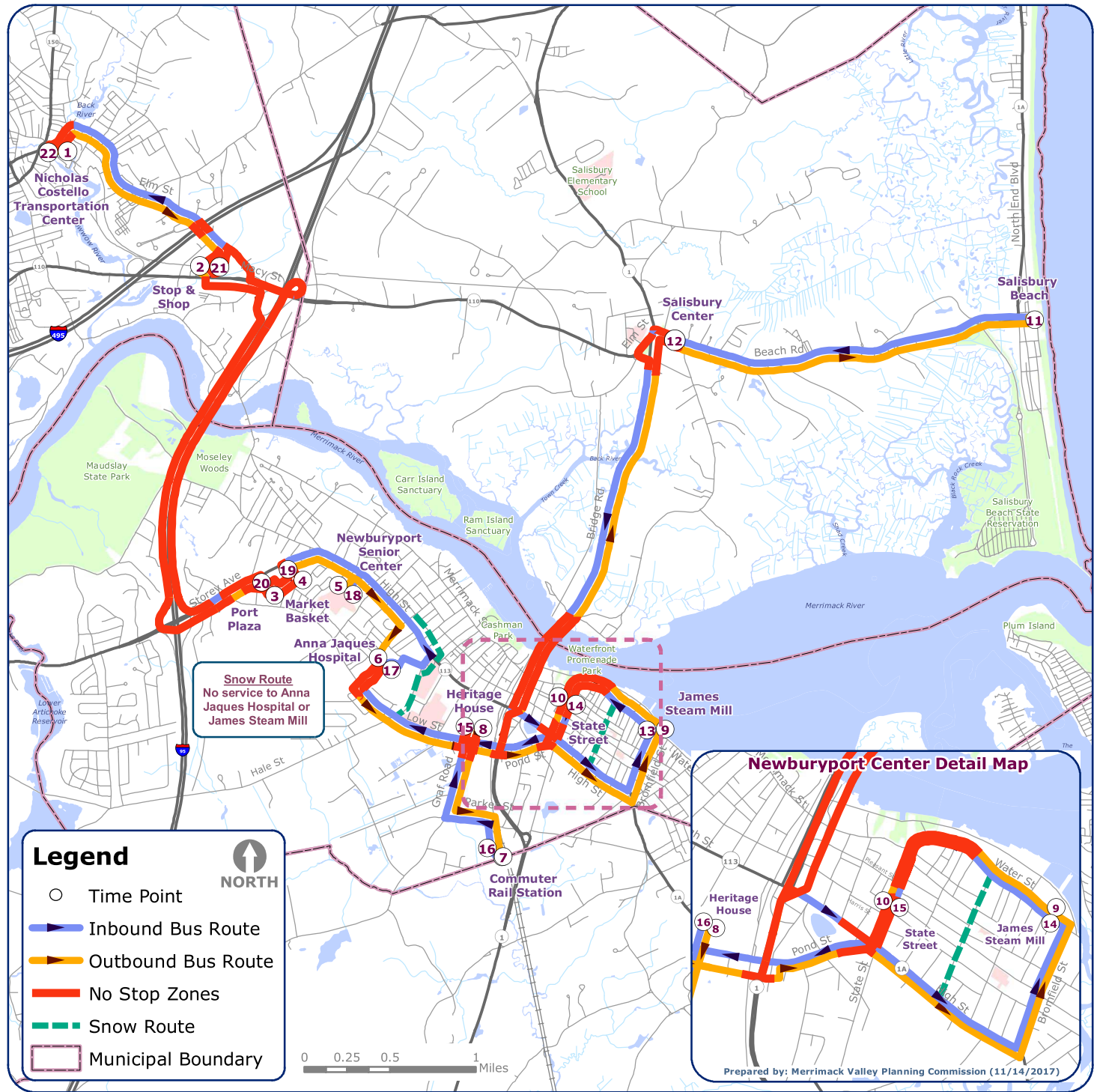
RATE = $\frac{(A * 1,000,000)}{(V * 365)}$

Comments : _____

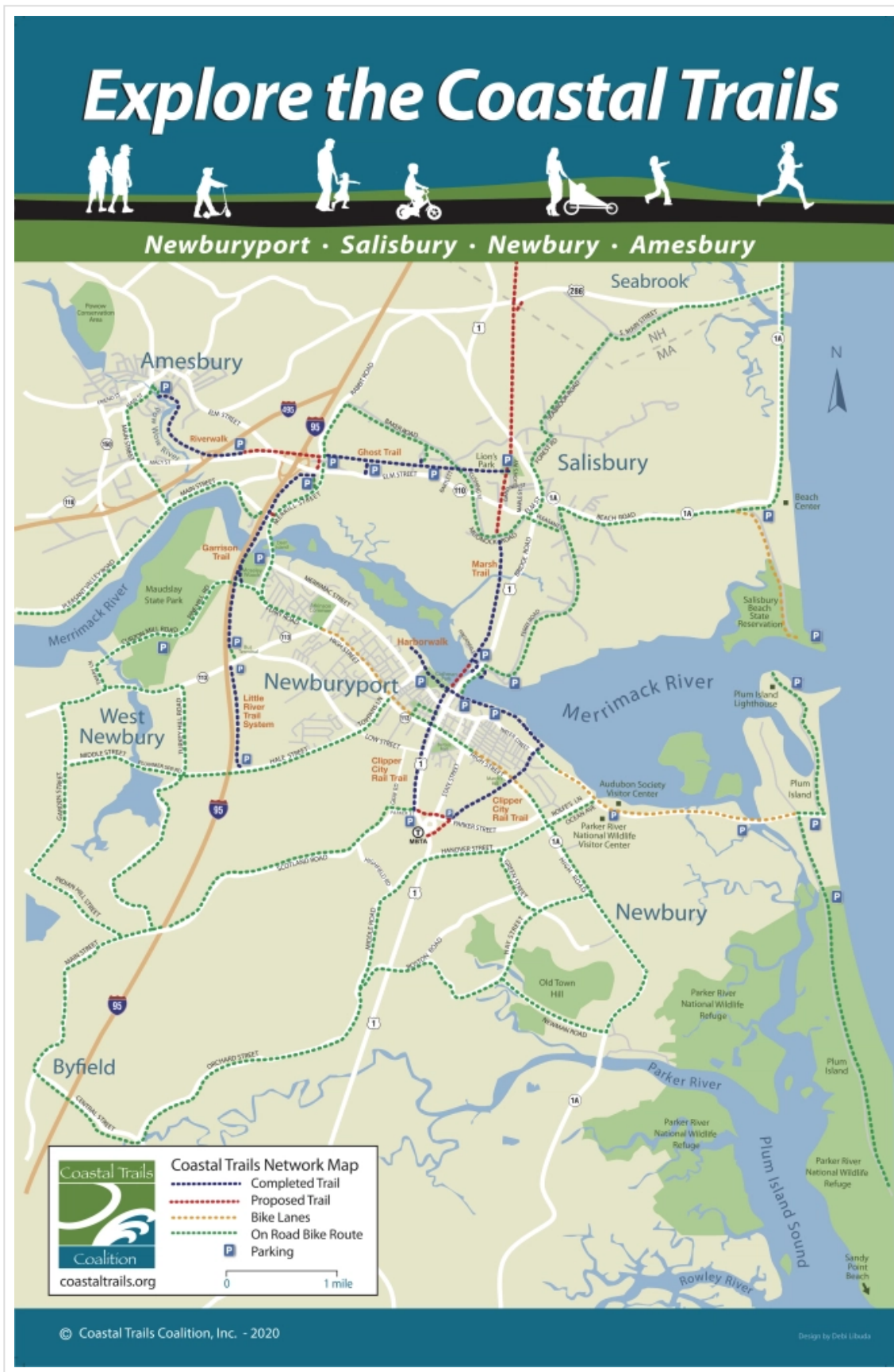
Project Title & Date: _____

Bus Route Data





Coastal Trails Map



SHARE THIS:



Background Project Worksheets

Proposed Single-Family Houses, Salisbury, MA

9 Gerrish Road, Salisbury, MA

Land Use Code (LUC) 210 - Single-Family Detached Housing

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 10

WEEKDAY DAILY

$$\ln T = 0.92 \ln (X) + 2.71 \quad R^2 = 0.95$$

$$\ln T = 0.92 \ln (10) + 2.71$$

$$\ln T = 4.83$$

$$T = 125.01$$

$$T = 126 \quad \text{vehicle trips}$$

with 50% (63 vpd) entering and 50% (63 vpd) exiting.

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 0.71 * (X) + 4.80 \quad R^2 = 0.89$$

$$T = 0.71 * (10) + 4.80$$

$$T = 11.90$$

$$T = 12 \quad \text{vehicle trips}$$

with 25% (3 vph) entering and 75% (9 vph) exiting.

WEEKDAY MORNING PEAK HOUR OF GENERATOR

$$\ln T = 0.91 \ln (X) + 0.20 \quad R^2 = 0.89$$

$$\ln T = 0.91 \ln (10) + 0.20$$

$$\ln T = 2.30$$

$$T = 9.93 \quad \text{vehicle trips}$$

$$T = 10$$

with 26% (3 vph) entering and 74% (7 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$\ln T = 0.96 \ln (X) + 0.20 \quad R^2 = 0.92$$

$$\ln T = 0.96 \ln (10) + 0.20$$

$$\ln T = 2.41$$

$$T = 11.14$$

$$T = 11 \quad \text{vehicle trips}$$

with 63% (7 vph) entering and 37% (4 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF GENERATOR

$$\ln T = 0.94 \ln (X) + 0.34 \quad R^2 = 0.92$$

$$\ln T = 0.94 \ln (10) + 0.34$$

$$\ln T = 2.50$$

$$T = 12.24$$

$$T = 12 \quad \text{vehicle trips}$$

with 64% (8 vph) entering and 36% (4 vph) exiting.

Proposed Single-Family Houses, Salisbury, MA

9 Gerrish Road, Salisbury, MA

Land Use Code (LUC) 210 - Single-Family Detached Housing

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 10

SATURDAY DAILY

$$\ln T = 0.94 \ln (X) + 2.56 \quad R^2 = 0.91$$

$$\ln T = 0.94 \ln (10) + 2.56$$

$$\ln T = 4.72$$

$$T = 112.67$$

T = 112 vehicle trips

with 50% (56 vpd) entering and 50% (56 vpd) exiting.

SATURDAY MIDDAY PEAK HOUR OF GENERATOR

$$T = 0.84 * (X) + 17.99 \quad R^2 = 0.87$$

$$T = 0.84 * (10) + 17.99$$

$$T = 26.39$$

T = 26 vehicle trips

with 54% (14 vph) entering and 46% (12 vph) exiting.

SUNDAY DAILY

$$T = 8.87 * (X) - 65.12 \quad R^2 = 0.94$$

$$T = 8.87 * (10) - 65.12$$

$$T = 23.58$$

T = 24 vehicle trips

with 50% (12 vpd) entering and 50% (12 vpd) exiting.

SUNDAY PEAK HOUR OF GENERATOR

$$T = 0.79 * (X) + 11.02 \quad R^2 = 0.91$$

$$T = 0.79 * (10) + 11.02$$

$$T = 18.92$$

T = 19 vehicle trips

with 53% (10 vpd) entering and 47% (9 vpd) exiting.

Proposed Single-Family Houses, Salisbury, MA

15 Forest Road, Salisbury, MA

Land Use Code (LUC) 210 - Single-Family Detached Housing

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 3

WEEKDAY DAILY

$$\ln T = 0.92 \ln (X) + 2.71 \quad R^2 = 0.95$$

$$\ln T = 0.92 \ln (3) + 2.71$$

$$\ln T = 3.72$$

$$T = 41.29$$

$$T = 42 \quad \text{vehicle trips}$$

with 50% (21 vpd) entering and 50% (21 vpd) exiting.

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 0.71 * (X) + 4.80 \quad R^2 = 0.89$$

$$T = 0.71 * (3) + 4.80$$

$$T = 6.93$$

$$T = 7 \quad \text{vehicle trips}$$

with 25% (2 vph) entering and 75% (5 vph) exiting.

WEEKDAY MORNING PEAK HOUR OF GENERATOR

$$\ln T = 0.91 \ln (X) + 0.20 \quad R^2 = 0.89$$

$$\ln T = 0.91 \ln (3) + 0.20$$

$$\ln T = 1.20$$

$$T = 3.32 \quad \text{vehicle trips}$$

$$T = 4$$

with 26% (1 vph) entering and 74% (3 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$\ln T = 0.96 \ln (X) + 0.20 \quad R^2 = 0.92$$

$$\ln T = 0.96 \ln (3) + 0.20$$

$$\ln T = 1.25$$

$$T = 3.51$$

$$T = 4 \quad \text{vehicle trips}$$

with 63% (3 vph) entering and 37% (1 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF GENERATOR

$$\ln T = 0.94 \ln (X) + 0.34 \quad R^2 = 0.92$$

$$\ln T = 0.94 \ln (3) + 0.34$$

$$\ln T = 1.37$$

$$T = 3.95$$

$$T = 4 \quad \text{vehicle trips}$$

with 64% (3 vph) entering and 36% (1 vph) exiting.

Proposed Single-Family Houses, Salisbury, MA

15 Forest Road, Salisbury, MA

Land Use Code (LUC) 210 - Single-Family Detached Housing

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 3

SATURDAY DAILY

$$\ln T = 0.94 \ln (X) + 2.56 \quad R^2 = 0.91$$

$$\ln T = 0.94 \ln (3) + 2.56$$

$$\ln T = 3.59$$

$$T = 36.33$$

T = 36 vehicle trips

with 50% (18 vpd) entering and 50% (18 vpd) exiting.

SATURDAY MIDDAY PEAK HOUR OF GENERATOR

$$T = 0.84 * (X) + 17.99 \quad R^2 = 0.87$$

$$T = 0.84 * (3) + 17.99$$

$$T = 20.51$$

T = 21 vehicle trips

with 54% (11 vph) entering and 46% (10 vph) exiting.

SUNDAY DAILY

$$T = 8.87 * (X) - 65.12 \quad R^2 = 0.94$$

$$T = 8.87 * (3) - 65.12$$

$$T = -38.51$$

T = -39 vehicle trips

with 50% (-20 vpd) entering and 50% (-19 vpd) exiting.

SUNDAY PEAK HOUR OF GENERATOR

$$T = 0.79 * (X) + 11.02 \quad R^2 = 0.91$$

$$T = 0.79 * (3) + 11.02$$

$$T = 13.39$$

T = 13 vehicle trips

with 53% (7 vpd) entering and 47% (6 vpd) exiting.

Proposed Dispensary, Salisbury, MA

232 Lafayette Road, Salisbury, MA

Land Use Code (LUC) 882 - Marijuana Dispensary

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs. 1,000 Square Feet Gross Floor Area

Independent Variable (X): 1.230 ksf

AVERAGE WEEKDAY DAILY

$T = 252.70 * X$ 4 Studies, Avg sf of GFA = 2 ksf

$T = 252.70 * (1.230)$

$T = 310.82$

$T = 310$ vehicle trips

with 50% (155 vpd) entering and 50% (155 vpd) exiting.
126 126

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$T = 10.44 * (X)$ 4 Studies, Avg sf of GFA = 2 ksf

$T = 10.44 * (1.230)$

$T = 12.84$

$T = 13$ vehicle trips

with 56% (7 vph) entering and 44% (6 vph) exiting.
5.92 4.65

WEEKDAY MORNING PEAK HOUR OF GENERATOR

$T = 20.88 * (X)$ 4 Studies, Avg sf of GFA = 2 ksf

$T = 20.88 * (1.230)$

$T = 25.68$

$T = 26$ vehicle trips

with 52% (14 vph) entering and 48% (12 vph) exiting.
10.99 10.15

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$T = 21.83 * X$ 12 Studies, Avg sf of GFA = 2 ksf

$T = 21.83 * (1.230)$

$T = 26.85$

$T = 26$ vehicle trips

with 50% (13 vph) entering and 50% (13 vph) exiting.
10.57 10.57

WEEKDAY EVENING PEAK HOUR OF GENERATOR

$T = 29.93 * (X)$ 9 Studies, Avg sf of GFA = 2 ksf

$T = 29.93 * (1.230)$

$T = 36.81$

$T = 36$ vehicle trips

with 50% (18 vph) entering and 50% (18 vph) exiting.

Proposed Dispensary, Salisbury, MA

232 Lafayette Road, Salisbury, MA

Land Use Code (LUC) 882 - Marijuana Dispensary

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs. 1,000 Square Feet Gross Floor Area

Independent Variable (X): 1.230 ksf

14.63

14.63

SATURDAY DAILY

$$T = 259.31 * X$$

4 Studies, Avg sf of GFA = 2 ksf

$$T = 259.31 * (1.230)$$

$$T = 318.95$$

$$T = 318 \quad \text{vehicle trips}$$

with 50% (159 vpd) entering and 50% (159 vpd) exiting.

129.27

129.27

SATURDAY MIDDAY PEAK HOUR OF GENERATOR

$$T = 36.43 * X$$

4 Studies, Avg sf of GFA = 2 ksf

$$T = 36.43 * (1.230)$$

$$T = 44.81$$

$$T = 44 \quad \text{vehicle trips}$$

with 50% (22 vph) entering and 50% (22 vph) exiting.

2.34

2.16

187 Lafayette Road

Table 2
TRIP-GENERATION SUMMARY – 50 EMPLOYEES

Time Period	39,600 sf Marijuana Cultivation Facility
Weekday Daily	164
<i>Weekday Morning Peak Hour:</i>	
Entering	16
Exiting	<u>3</u>
Total	19
<i>Weekday Evening Peak Hour:</i>	
Entering	4
Exiting	<u>16</u>
Total	20

Table 2 summarizes the vehicle trip-generation estimates. As shown in Table 2, the site will generate 164 daily trips (82 in/82 out), 19 vehicle trips (16 in/3 out) during the morning peak hour, and 20 vehicle trips (4 in/16 out) during the weekday evening peak hour. These estimates are conservative given the proposed employee shifts.

RECOMMENDATIONS

Based upon our review of existing conditions, VAI has made a number of recommendations in order to provide safe access and egress. These improvements are outlined below.

Project Access

As previously stated, access and egress to the site will be provided via a single driveway. The driveway should be placed under STOP-sign control with a painted STOP bar. In addition, the following is recommended:

- All signs and pavement markings to be installed within the project site shall conform to the applicable standards of the Manual on Uniform Traffic Devices (MUTCD).³
- Signs and landscaping adjacent to the project site driveway intersections will be designed and maintained so as not to restrict lines of sight.
- A MassDOT curbcut application will be required for the new driveway.

The above recommendations will insure safe access and egress to the project as planned.

³Manual on Uniform Traffic Control Devices (MUTCD); Federal Highway Administration; Washington, DC; 2009.



Trip Generation Worksheets

Proposed Townhouses, Salisbury, MA

Land Use Code (LUC) 220 - Multifamily Housing (Low-Rise)_

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 76

AVERAGE WEEKDAY DAILY

$T = 7.56 * (X) - 40.86$ 29 Studies, Avg size = 168 units

$T = 7.56 * (76) - 40.86$ $R^2 = 0.89$ AR = 7.32

$T = 533.70$

$T = 534$ vehicle trips 7.03

with 50% (267 vpd) entering and 50% (267 vpd) exiting.

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$\ln T = 0.95 \ln (X) - 0.51$ 42 Studies, Avg size = 199 units

$\ln T = 0.95 \ln (76) - 0.51$ $R^2 = 0.90$ AR = 0.46

$\ln T = 3.60$

$T = 36.75$

$T = 37$ vehicle trips

with 23% (9 vph) entering and 77% (28 vph) exiting.

0.12

0.37

WEEKDAY MORNING PEAK HOUR OF GENERATOR

$\ln T = 0.94 \ln (X) - 0.29$ 36 Studies, Avg size = 161 units

$\ln T = 0.94 \ln (76) - 0.29$ $R^2 = 0.91$ AR = 0.56

$\ln T = 3.78$

$T = 43.86$

$T = 44$ vehicle trips

with 28% (12 vph) entering and 72% (32 vph) exiting.

0.16

0.42

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$\ln T = 0.89 \ln (X) - 0.02$ 50 Studies, Avg size = 187 units

$\ln T = 0.89 \ln (76) - 0.02$ $R^2 = 0.86$ AR = 0.56

$\ln T = 3.83$

$T = 46.26$

$T = 46$ vehicle trips

with 63% (29 vph) entering and 37% (17 vph) exiting.

0.38

0.22

WEEKDAY EVENING PEAK HOUR OF GENERATOR

$T = 0.66 * (X) + 1.41$ 35 Studies, Avg size = 146 units

$T = 0.66 * (76) + 1.41$ $R^2 = 0.94$ AR = 0.67

$T = 51.57$

$T = 52$ vehicle trips

with 59% (31 vph) entering and 41% (21 vph) exiting.

0.41

0.28

Proposed Townhouses, Salisbury, MA

Land Use Code (LUC) 220 - Multifamily Housing (Low-Rise)_

Source: Institute of Transportation Engineers (ITE) - 10th Edition

Average Vehicle Trips Ends vs: Dwelling units

Independent Variable (X): 76

SATURDAY DAILY

$T = 14.01 * (X) - 521.69$ 5 Studies, Avg size = 89 units

$T = 14.01 * (76) - 521.69$ $R^2 = 0.93$ AR = 8.14

T = 543.07

T = 544 vehicle trips 7.16

with 50% (272 vpd) entering and 50% (272 vpd) exiting.

3.58

3.58

SATURDAY MIDDAY PEAK HOUR OF GENERATOR

$T = 1.08 * (X) - 33.24$ 5 Studies, Avg size = 89 units

$T = 1.08 * (76) - 33.24$ $R^2 = 0.92$ AR = 0.70

T = 48.84

T = 48 vehicle trips

with 50% (24 vph) entering and 50% (24 vph) exiting.

0.32

0.32

Trip Distribution Worksheets

Salisbury, MA Gravity Model

Table 3. Residence MCD/County to Workplace MCD/County Flows for Massachusetts Sorted by Residence Geography: 2006-2010									
For more information on sampling and estimation methods, confidentiality protection, and sampling and nonsampling errors, see <www.census.gov/acs/www/Downloads/data_documentation/AccuracyofData2010.pdf>.									
Residence			Workplace						
Number	State	MCD	Country	State/U.S. Island Area/Foreign	MCD	Lafayette Road/US 1 (From North)	Lafayette Road/US 1 (From South)	Lafayette Road/US 1 (From North)	Lafayette Road/US 1 (From South)
933	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Salisbury town	50	50	100	933
803	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Newburyport city	100	100	100	803
330	Massachusetts	Salisbury town	Massachusetts	New Hampshire	Seabrook town	100	100	330	330
197	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Amesbury Town city	50	50	99	197
137	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Boston city	100	100	0	137
135	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Lawrence city	100	100	0	135
135	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Peabody city	100	100	0	135
130	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Haverhill city	100	100	0	130
111	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Danvers town	100	100	0	111
92	Massachusetts	Salisbury town	New Hampshire	New Hampshire	Portsmouth city	100	100	92	92
88	Massachusetts	Salisbury town	Massachusetts	Massachusetts	North Andover town	100	100	0	88
83	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Ipswich town	100	100	0	83
72	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Methuen Town city	100	100	0	72
69	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Rowley town	100	100	0	69
64	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Gloucester city	100	100	0	64
58	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Andover town	100	100	0	58
57	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Beverly city	100	100	0	57
56	Massachusetts	Salisbury town	New Hampshire	New Hampshire	Derry town	100	100	0	56
45	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Lynn city	100	100	0	45
42	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Newbury town	100	100	0	42
40	Massachusetts	Salisbury town	New Hampshire	New Hampshire	North Hampton town	100	100	40	40
38	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Hamilton town	100	100	0	38
37	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Saugus town	100	100	0	37
37	Massachusetts	Salisbury town	New Hampshire	New Hampshire	Hampton town	100	100	37	37
31	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Cambridge city	100	100	0	31
31	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Stoneham town	100	100	0	31
30	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Salem city	100	100	0	30
30	Massachusetts	Salisbury town	New Hampshire	New Hampshire	Dover city	100	100	30	30
29	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Wakefield town	100	100	0	29
29	Massachusetts	Salisbury town	New Hampshire	New Hampshire	Londonderry town	100	100	0	29
27	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Topsfield town	100	100	0	27
27	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Medford city	100	100	0	27
26	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Chelmsford town	100	100	0	26
25	Massachusetts	Salisbury town	Massachusetts	Massachusetts	Wenham town	100	100	0	25

4074

1094 2980

100

26.85 73.15

Sav	27	73
-----	----	----

100

Capacity Analysis Worksheets

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2021 Existing AM Peak Hour

						
Lane Group	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	366	24	0	388	46	0
Future Volume (vph)	366	24	0	388	46	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	0		150	0
Storage Lanes		0	0		0	0
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.992					
Flt Protected					0.950	
Satd. Flow (prot)	1779	0	0	1792	1805	0
Flt Permitted					0.950	
Satd. Flow (perm)	1779	0	0	1792	1805	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	600			163	173	
Travel Time (s)	13.6			3.7	3.9	
Peak Hour Factor	0.73	0.73	0.93	0.93	0.57	0.57
Heavy Vehicles (%)	6%	5%	0%	6%	0%	0%
Adj. Flow (vph)	501	33	0	417	81	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	534	0	0	417	81	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	30.7%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2021 Existing AM Peak Hour

Intersection						
Int Delay, s/veh	1.7					
Movement	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations						
Traffic Vol, veh/h	366	24	0	388	46	0
Future Vol, veh/h	366	24	0	388	46	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Free	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	73	73	93	93	57	57
Heavy Vehicles, %	6	5	0	6	0	0
Mvmt Flow	501	33	0	417	81	0
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	918	-
Stage 1	-	-	-	-	501	-
Stage 2	-	-	-	-	417	-
Critical Hdwy	-	-	-	-	6.4	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	-	0	0	-	304	0
Stage 1	-	0	0	-	613	0
Stage 2	-	0	0	-	669	0
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	304	-
Mov Cap-2 Maneuver	-	-	-	-	304	-
Stage 1	-	-	-	-	613	-
Stage 2	-	-	-	-	669	-
Approach	NB		SB		SW	
HCM Control Delay, s	0		0		21.1	
HCM LOS					C	
Minor Lane/Major Mvmt	NBT		SBT	SWLn1		
Capacity (veh/h)	-	-	304			
HCM Lane V/C Ratio	-	-	0.265			
HCM Control Delay (s)	-	-	21.1			
HCM Lane LOS	-	-	C			
HCM 95th %tile Q(veh)	-	-	1			

5: Lafayette Road & School House Lane

Lanes, Volumes, Timings

2021 Existing AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	1	4	370	1	1	384
Future Volume (vph)	1	4	370	1	1	384
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.892					
Flt Protected	0.990					
Satd. Flow (prot)	1678	0	1810	0	0	1793
Flt Permitted	0.990					
Satd. Flow (perm)	1678	0	1810	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	775		884			799
Travel Time (s)	17.6		20.1			18.2
Peak Hour Factor	0.95	0.95	0.71	0.71	0.89	0.89
Heavy Vehicles (%)	0%	0%	5%	0%	0%	6%
Adj. Flow (vph)	1	4	521	1	1	431
Shared Lane Traffic (%)						
Lane Group Flow (vph)	5	0	522	0	0	432
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	31.0%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2021 Existing AM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	4	370	1	1	384
Future Vol, veh/h	1	4	370	1	1	384
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	71	71	89	89
Heavy Vehicles, %	0	0	5	0	0	6
Mvmt Flow	1	4	521	1	1	431
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	955	522	0	0	522	0
Stage 1	522	-	-	-	-	-
Stage 2	433	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	289	559	-	-	1055	-
Stage 1	599	-	-	-	-	-
Stage 2	658	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	289	559	-	-	1055	-
Mov Cap-2 Maneuver	289	-	-	-	-	-
Stage 1	599	-	-	-	-	-
Stage 2	657	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	12.7	0		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 471		1055	-	
HCM Lane V/C Ratio	-	- 0.011		0.001	-	
HCM Control Delay (s)	-	- 12.7		8.4	0	
HCM Lane LOS	-	- B		A	A	
HCM 95th %tile Q(veh)	-	- 0		0	-	

6: Forest Road & School House Lane Lanes, Volumes, Timings

2021 Existing AM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	0	0	2	24	45	0
Future Volume (vph)	0	0	2	24	45	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt						
Flt Protected				0.996		
Satd. Flow (prot)	1900	0	0	1794	1863	0
Flt Permitted				0.996		
Satd. Flow (perm)	1900	0	0	1794	1863	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			866	873	
Travel Time (s)	17.6			19.7	19.8	
Peak Hour Factor	0.92	0.92	0.53	0.53	0.78	0.78
Heavy Vehicles (%)	0%	0%	0%	6%	2%	0%
Adj. Flow (vph)	0	0	4	45	58	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	0	49	58	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	6.7%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2021 Existing AM Peak Hour

Intersection						
Int Delay, s/veh	0.3					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	0	0	2	24	45	0
Future Vol, veh/h	0	0	2	24	45	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	53	53	78	78
Heavy Vehicles, %	0	0	0	6	2	0
Mvmt Flow	0	0	4	45	58	0
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	111	58	58	0	-	0
Stage 1	58	-	-	-	-	-
Stage 2	53	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	891	1014	1559	-	-	-
Stage 1	970	-	-	-	-	-
Stage 2	975	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	888	1014	1559	-	-	-
Mov Cap-2 Maneuver	888	-	-	-	-	-
Stage 1	967	-	-	-	-	-
Stage 2	975	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	0	0.6		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1559	-	-	-	-	
HCM Lane V/C Ratio	0.002	-	-	-	-	
HCM Control Delay (s)	7.3	0	0	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	-	-	-	

7: Lafayette Road & Forest Road Lanes, Volumes, Timings

2021 Existing AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	2	366	0	1	388
Future Volume (vph)	0	2	366	0	1	388
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.865					
Flt Protected						
Satd. Flow (prot)	0	1644	1792	0	0	1793
Flt Permitted						
Satd. Flow (perm)	0	1644	1792	0	0	1793
Link Speed (mph)	30	30		30		
Link Distance (ft)	153	163		884		
Travel Time (s)	3.5	3.7		20.1		
Peak Hour Factor	0.57	0.57	0.73	0.73	0.93	0.93
Heavy Vehicles (%)	0%	0%	6%	0%	0%	6%
Adj. Flow (vph)	0	4	501	0	1	417
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	4	501	0	0	418
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0	0		0		
Link Offset(ft)	0	0		0		
Crosswalk Width(ft)	16	16		16		
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop	Free		Free		
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	29.3%			ICU Level of Service A		
Analysis Period (min)	15					

7: Lafayette Road & Forest Road
HCM 2010 TWSC

2021 Existing AM Peak Hour

Intersection						
Int Delay, s/veh	0					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↗	↖			↗
Traffic Vol, veh/h	0	2	366	0	1	388
Future Vol, veh/h	0	2	366	0	1	388
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	57	57	73	73	93	93
Heavy Vehicles, %	0	0	6	0	0	6
Mvmt Flow	0	4	501	0	1	417
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	-	501	0	-	501	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.2	-	-	4.1	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	0	574	-	0	1074	-
Stage 1	0	-	-	0	-	-
Stage 2	0	-	-	0	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	574	-	-	1074	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	11.3	0		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NBTWBLn1		SBL	SBT		
Capacity (veh/h)	- 574		1074	-		
HCM Lane V/C Ratio	- 0.006		0.001	-		
HCM Control Delay (s)	- 11.3		8.4	0		
HCM Lane LOS	- B		A	A		
HCM 95th %tile Q(veh)	- 0		0	-		

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2021 Existing PM Peak Hour

						
Lane Group	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	535	61	0	519	35	0
Future Volume (vph)	535	61	0	519	35	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	0		150	0
Storage Lanes		0	0		0	0
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.986					
Flt Protected					0.950	
Satd. Flow (prot)	1857	0	0	1900	1805	0
Flt Permitted					0.950	
Satd. Flow (perm)	1857	0	0	1900	1805	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	600			163	173	
Travel Time (s)	13.6			3.7	3.9	
Peak Hour Factor	0.95	0.95	0.81	0.81	0.86	0.86
Heavy Vehicles (%)	1%	0%	0%	0%	0%	0%
Adj. Flow (vph)	563	64	0	641	41	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	627	0	0	641	41	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	41.9%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road HCM 2010 TWSC

2021 Existing PM Peak Hour

Intersection						
Int Delay, s/veh	0.9					
Movement	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations						
Traffic Vol, veh/h	535	61	0	519	35	0
Future Vol, veh/h	535	61	0	519	35	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Free	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	81	81	86	86
Heavy Vehicles, %	1	0	0	0	0	0
Mvmt Flow	563	64	0	641	41	0
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	1204	-
Stage 1	-	-	-	-	563	-
Stage 2	-	-	-	-	641	-
Critical Hdwy	-	-	-	-	6.4	-
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	-	-	3.5	-
Pot Cap-1 Maneuver	-	0	0	-	205	0
Stage 1	-	0	0	-	574	0
Stage 2	-	0	0	-	528	0
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	205	-
Mov Cap-2 Maneuver	-	-	-	-	205	-
Stage 1	-	-	-	-	574	-
Stage 2	-	-	-	-	528	-
Approach	NB		SB		SW	
HCM Control Delay, s	0		0		26.9	
HCM LOS					D	
Minor Lane/Major Mvmt	NBT		SBTSWLn1			
Capacity (veh/h)	-		-			
HCM Lane V/C Ratio	-		0.199			
HCM Control Delay (s)	-		26.9			
HCM Lane LOS	-		D			
HCM 95th %tile Q(veh)	-		0.7			

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2021 Existing PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	2	538	0	6	528
Future Volume (vph)	0	2	538	0	6	528
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.865					
Flt Protected						0.999
Satd. Flow (prot)	1644	0	1881	0	0	1898
Flt Permitted						0.999
Satd. Flow (perm)	1644	0	1881	0	0	1898
Link Speed (mph)	30		30			30
Link Distance (ft)	775		884			799
Travel Time (s)	17.6		20.1			18.2
Peak Hour Factor	0.50	0.50	0.91	0.91	0.82	0.82
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	4	591	0	7	644
Shared Lane Traffic (%)						
Lane Group Flow (vph)	4	0	591	0	0	651
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	42.6%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2021 Existing PM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	2	538	0	6	528
Future Vol, veh/h	0	2	538	0	6	528
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	50	50	91	91	82	82
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	0	4	591	0	7	644
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1249	591	0	0	591	0
Stage 1	591	-	-	-	-	-
Stage 2	658	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	193	511	-	-	995	-
Stage 1	557	-	-	-	-	-
Stage 2	519	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	191	511	-	-	995	-
Mov Cap-2 Maneuver	191	-	-	-	-	-
Stage 1	557	-	-	-	-	-
Stage 2	513	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	12.1	0		0.1		
HCM LOS	B					
Minor Lane/Major Mvmt		NBT	NBRWBLn1	SBL	SBT	
Capacity (veh/h)		-	-	511	995	-
HCM Lane V/C Ratio		-	-	0.008	0.007	-
HCM Control Delay (s)		-	-	12.1	8.6	0
HCM Lane LOS		-	-	B	A	A
HCM 95th %tile Q(veh)		-	-	0	0	-

6: Forest Road & School House Lane Lanes, Volumes, Timings

2021 Existing PM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	5	1	1	56	38	2
Future Volume (vph)	5	1	1	56	38	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.981				0.994	
Flt Protected	0.959			0.999		
Satd. Flow (prot)	1787	0	0	1898	1889	0
Flt Permitted	0.959			0.999		
Satd. Flow (perm)	1787	0	0	1898	1889	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			866	873	
Travel Time (s)	17.6			19.7	19.8	
Peak Hour Factor	0.42	0.42	0.87	0.87	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	12	2	1	64	40	2
Shared Lane Traffic (%)						
Lane Group Flow (vph)	14	0	0	65	42	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.7%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2021 Existing PM Peak Hour

Intersection						
Int Delay, s/veh	1.1					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	5	1	1	56	38	2
Future Vol, veh/h	5	1	1	56	38	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	42	42	87	87	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	12	2	1	64	40	2
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	107	41	42	0	-	0
Stage 1	41	-	-	-	-	-
Stage 2	66	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	895	1036	1580	-	-	-
Stage 1	987	-	-	-	-	-
Stage 2	962	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	894	1036	1580	-	-	-
Mov Cap-2 Maneuver	894	-	-	-	-	-
Stage 1	986	-	-	-	-	-
Stage 2	962	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	9	0.1		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1580	-	915	-	-	
HCM Lane V/C Ratio	0.001	-	0.016	-	-	
HCM Control Delay (s)	7.3	0	9	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	0	-	-	

7: Lafayette Road & Forest Road Lanes, Volumes, Timings

2021 Existing PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	4	535	0	6	519
Future Volume (vph)	0	4	535	0	6	519
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.865					
Flt Protected	0.999					
Satd. Flow (prot)	0	1644	1881	0	0	1898
Flt Permitted	0.999					
Satd. Flow (perm)	0	1644	1881	0	0	1898
Link Speed (mph)	30	30		30		
Link Distance (ft)	153	163		884		
Travel Time (s)	3.5	3.7		20.1		
Peak Hour Factor	0.86	0.86	0.95	0.95	0.81	0.81
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	5	563	0	7	641
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	5	563	0	0	648
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0	0		0		
Link Offset(ft)	0	0		0		
Crosswalk Width(ft)	16	16		16		
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop	Free		Free		
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	38.2%			ICU Level of Service A		
Analysis Period (min)	15					

7: Lafayette Road & Forest Road
HCM 2010 TWSC

2021 Existing PM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	4	535	0	6	519
Future Vol, veh/h	0	4	535	0	6	519
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	86	86	95	95	81	81
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	0	5	563	0	7	641
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	-	563	0	-	563	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.2	-	-	4.1	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	0	530	-	0	1019	-
Stage 1	0	-	-	0	-	-
Stage 2	0	-	-	0	-	-
Platoon blocked, %			-			-
Mov Cap-1 Maneuver	-	530	-	-	1019	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	11.9	0		0.1		
HCM LOS	B					
Minor Lane/Major Mvmt	NBTWBLn1		SBL	SBT		
Capacity (veh/h)	-		530	1019	-	
HCM Lane V/C Ratio	-		0.009	0.007	-	
HCM Control Delay (s)	-		11.9	8.6	0	
HCM Lane LOS	-		B	A	A	
HCM 95th %tile Q(veh)	-		0	0	-	

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 No-Build AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	53	2	406	27	1	428
Future Volume (vph)	53	2	406	27	1	428
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.994		0.992			
Flt Protected	0.954					
Satd. Flow (prot)	1802	0	1779	0	0	1793
Flt Permitted	0.954					
Satd. Flow (perm)	1802	0	1779	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	1062		600			1047
Travel Time (s)	24.1		13.6			23.8
Peak Hour Factor	0.57	0.57	0.73	0.73	0.93	0.93
Heavy Vehicles (%)	0%	0%	6%	5%	0%	6%
Adj. Flow (vph)	93	4	556	37	1	460
Shared Lane Traffic (%)						
Lane Group Flow (vph)	97	0	593	0	0	461
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	33.3%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 No-Build AM Peak Hour

Intersection						
Int Delay, s/veh	2.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	53	2	406	27	1	428
Future Vol, veh/h	53	2	406	27	1	428
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	57	57	73	73	93	93
Heavy Vehicles, %	0	0	6	5	0	6
Mvmt Flow	93	4	556	37	1	460
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1037	575	0	0	593	0
Stage 1	575	-	-	-	-	-
Stage 2	462	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	258	521	-	-	993	-
Stage 1	567	-	-	-	-	-
Stage 2	638	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	258	521	-	-	993	-
Mov Cap-2 Maneuver	258	-	-	-	-	-
Stage 1	567	-	-	-	-	-
Stage 2	637	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	26.4	0		0		
HCM LOS	D					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 263		993	-	
HCM Lane V/C Ratio	-	- 0.367		0.001	-	
HCM Control Delay (s)	-	- 26.4		8.6	0	
HCM Lane LOS	-	- D		A	A	
HCM 95th %tile Q(veh)	-	- 1.6		0	-	

5: Lafayette Road & School House Lane

Lanes, Volumes, Timings

2028 No-Build AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	1	5	411	1	2	424
Future Volume (vph)	1	5	411	1	2	424
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.887					
Flt Protected	0.992					
Satd. Flow (prot)	1672	0	1810	0	0	1793
Flt Permitted	0.992					
Satd. Flow (perm)	1672	0	1810	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.95	0.95	0.71	0.71	0.89	0.89
Heavy Vehicles (%)	0%	0%	5%	0%	0%	6%
Adj. Flow (vph)	1	5	579	1	2	476
Shared Lane Traffic (%)						
Lane Group Flow (vph)	6	0	580	0	0	478
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	33.9%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2028 No-Build AM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	5	411	1	2	424
Future Vol, veh/h	1	5	411	1	2	424
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	71	71	89	89
Heavy Vehicles, %	0	0	5	0	0	6
Mvmt Flow	1	5	579	1	2	476
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1060	580	0	0	580	0
Stage 1	580	-	-	-	-	-
Stage 2	480	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	250	518	-	-	1004	-
Stage 1	564	-	-	-	-	-
Stage 2	627	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	249	518	-	-	1004	-
Mov Cap-2 Maneuver	249	-	-	-	-	-
Stage 1	564	-	-	-	-	-
Stage 2	625	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	13.3	0		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 439		1004	-	
HCM Lane V/C Ratio	-	- 0.014		0.002	-	
HCM Control Delay (s)	-	- 13.3		8.6	0	
HCM Lane LOS	-	- B		A	A	
HCM 95th %tile Q(veh)	-	- 0		0	-	

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 No-Build AM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	0	2	27	52	1
Future Volume (vph)	1	0	2	27	52	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.998					
Flt Protected	0.950			0.996		
Satd. Flow (prot)	1805	0	0	1793	1860	0
Flt Permitted	0.950			0.996		
Satd. Flow (perm)	1805	0	0	1793	1860	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			1062	873	
Travel Time (s)	17.6			24.1	19.8	
Peak Hour Factor	0.92	0.92	0.53	0.53	0.78	0.78
Heavy Vehicles (%)	0%	0%	0%	6%	2%	0%
Adj. Flow (vph)	1	0	4	51	67	1
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1	0	0	55	68	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.3%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 No-Build AM Peak Hour

Intersection						
Int Delay, s/veh	0.3					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	0	2	27	52	1
Future Vol, veh/h	1	0	2	27	52	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	53	53	78	78
Heavy Vehicles, %	0	0	0	6	2	0
Mvmt Flow	1	0	4	51	67	1
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	127	68	68	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	59	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	872	1001	1546	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	969	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	869	1001	1546	-	-	-
Mov Cap-2 Maneuver	869	-	-	-	-	-
Stage 1	957	-	-	-	-	-
Stage 2	969	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	9.1	0.5		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1546	-	869	-	-	
HCM Lane V/C Ratio	0.002	-	0.001	-	-	
HCM Control Delay (s)	7.3	0	9.1	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	0	-	-	

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 No-Build PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	39	4	588	67	6	574
Future Volume (vph)	39	4	588	67	6	574
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.986		0.986			
Flt Protected	0.957					
Satd. Flow (prot)	1793	0	1857	0	0	1900
Flt Permitted	0.957					
Satd. Flow (perm)	1793	0	1857	0	0	1900
Link Speed (mph)	30		30			30
Link Distance (ft)	1055		600			1047
Travel Time (s)	24.0		13.6			23.8
Peak Hour Factor	0.86	0.86	0.95	0.95	0.81	0.81
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	45	5	619	71	7	709
Shared Lane Traffic (%)						
Lane Group Flow (vph)	50	0	690	0	0	716
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	45.0%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 No-Build PM Peak Hour

Intersection						
Int Delay, s/veh	1.3					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	39	4	588	67	6	574
Future Vol, veh/h	39	4	588	67	6	574
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	86	86	95	95	81	81
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	45	5	619	71	7	709
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1378	655	0	0	690	0
Stage 1	655	-	-	-	-	-
Stage 2	723	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	161	470	-	-	914	-
Stage 1	521	-	-	-	-	-
Stage 2	484	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	159	470	-	-	914	-
Mov Cap-2 Maneuver	159	-	-	-	-	-
Stage 1	521	-	-	-	-	-
Stage 2	478	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	35	0		0.1		
HCM LOS	E					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 169		914	-	
HCM Lane V/C Ratio	-	- 0.296		0.008	-	
HCM Control Delay (s)	-	- 35		9	0	
HCM Lane LOS	-	- E		A	A	
HCM 95th %tile Q(veh)	-	- 1.2		0	-	

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2028 No-Build PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	2	591	0	7	584
Future Volume (vph)	0	2	591	0	7	584
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.865					
Flt Protected						0.999
Satd. Flow (prot)	1644	0	1881	0	0	1898
Flt Permitted						0.999
Satd. Flow (perm)	1644	0	1881	0	0	1898
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.50	0.50	0.91	0.91	0.82	0.82
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	4	649	0	9	712
Shared Lane Traffic (%)						
Lane Group Flow (vph)	4	0	649	0	0	721
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	46.3%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2028 No-Build PM Peak Hour

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	2	591	0	7	584
Future Vol, veh/h	0	2	591	0	7	584
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	50	50	91	91	82	82
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	0	4	649	0	9	712
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1379	649	0	0	649	0
Stage 1	649	-	-	-	-	-
Stage 2	730	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	161	473	-	-	947	-
Stage 1	524	-	-	-	-	-
Stage 2	481	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	158	473	-	-	947	-
Mov Cap-2 Maneuver	158	-	-	-	-	-
Stage 1	524	-	-	-	-	-
Stage 2	473	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	12.7	0		0.1		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 473		947	-	
HCM Lane V/C Ratio	-	- 0.008		0.009	-	
HCM Control Delay (s)	-	- 12.7		8.8	0	
HCM Lane LOS	-	- B		A	A	
HCM 95th %tile Q(veh)	-	- 0		0	-	

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 No-Build PM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	6	1	1	62	42	2
Future Volume (vph)	6	1	1	62	42	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.983				0.994	
Flt Protected	0.958			0.999		
Satd. Flow (prot)	1789	0	0	1898	1889	0
Flt Permitted	0.958			0.999		
Satd. Flow (perm)	1789	0	0	1898	1889	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			1055	873	
Travel Time (s)	17.6			24.0	19.8	
Peak Hour Factor	0.42	0.42	0.87	0.87	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	14	2	1	71	44	2
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	72	46	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	14.1%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 No-Build PM Peak Hour

Intersection						
Int Delay, s/veh	1.2					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	1	1	62	42	2
Future Vol, veh/h	6	1	1	62	42	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	42	42	87	87	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	14	2	1	71	44	2
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	118	45	46	0	-	0
Stage 1	45	-	-	-	-	-
Stage 2	73	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	883	1031	1575	-	-	-
Stage 1	983	-	-	-	-	-
Stage 2	955	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	882	1031	1575	-	-	-
Mov Cap-2 Maneuver	882	-	-	-	-	-
Stage 1	982	-	-	-	-	-
Stage 2	955	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	9.1	0.1		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1575	-	901	-	-	
HCM Lane V/C Ratio	0.001	-	0.018	-	-	
HCM Control Delay (s)	7.3	0	9.1	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	0.1	-	-	

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 Build AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	73	2	406	34	1	428
Future Volume (vph)	73	2	406	34	1	428
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.996		0.989			
Flt Protected	0.954					
Satd. Flow (prot)	1805	0	1774	0	0	1793
Flt Permitted	0.954					
Satd. Flow (perm)	1805	0	1774	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	937		600			1047
Travel Time (s)	21.3		13.6			23.8
Peak Hour Factor	0.57	0.57	0.73	0.73	0.93	0.93
Heavy Vehicles (%)	0%	0%	6%	5%	0%	6%
Adj. Flow (vph)	128	4	556	47	1	460
Shared Lane Traffic (%)						
Lane Group Flow (vph)	132	0	603	0	0	461
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	34.3%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 Build AM Peak Hour

Intersection						
Int Delay, s/veh	3.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	73	2	406	34	1	428
Future Vol, veh/h	73	2	406	34	1	428
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	57	57	73	73	93	93
Heavy Vehicles, %	0	0	6	5	0	6
Mvmt Flow	128	4	556	47	1	460
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1042	580	0	0	603	0
Stage 1	580	-	-	-	-	-
Stage 2	462	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	257	518	-	-	984	-
Stage 1	564	-	-	-	-	-
Stage 2	638	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	257	518	-	-	984	-
Mov Cap-2 Maneuver	257	-	-	-	-	-
Stage 1	564	-	-	-	-	-
Stage 2	637	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	32	0		0		
HCM LOS	D					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	-	261	984	-	
HCM Lane V/C Ratio	-	-	0.504	0.001	-	
HCM Control Delay (s)	-	-	32	8.7	0	
HCM Lane LOS	-	-	D	A	A	
HCM 95th %tile Q(veh)	-	-	2.6	0	-	

5: Lafayette Road & School House Lane

Lanes, Volumes, Timings

2028 Build AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	1	13	411	1	4	424
Future Volume (vph)	1	13	411	1	4	424
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.874					
Flt Protected	0.997					
Satd. Flow (prot)	1656	0	1810	0	0	1793
Flt Permitted	0.997					
Satd. Flow (perm)	1656	0	1810	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.95	0.95	0.71	0.71	0.89	0.89
Heavy Vehicles (%)	0%	0%	5%	0%	0%	6%
Adj. Flow (vph)	1	14	579	1	4	476
Shared Lane Traffic (%)						
Lane Group Flow (vph)	15	0	580	0	0	480
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	35.5%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2028 Build AM Peak Hour

Intersection						
Int Delay, s/veh	0.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	13	411	1	4	424
Future Vol, veh/h	1	13	411	1	4	424
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	71	71	89	89
Heavy Vehicles, %	0	0	5	0	0	6
Mvmt Flow	1	14	579	1	4	476
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1064	580	0	0	580	0
Stage 1	580	-	-	-	-	-
Stage 2	484	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	249	518	-	-	1004	-
Stage 1	564	-	-	-	-	-
Stage 2	624	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	248	518	-	-	1004	-
Mov Cap-2 Maneuver	248	-	-	-	-	-
Stage 1	564	-	-	-	-	-
Stage 2	621	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	12.7	0		0.1		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 481		1004	-	
HCM Lane V/C Ratio	-	- 0.031		0.004	-	
HCM Control Delay (s)	-	- 12.7		8.6	0	
HCM Lane LOS	-	- B		A	A	
HCM 95th %tile Q(veh)	-	- 0.1		0	-	

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 Build AM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	2	10	27	52	1
Future Volume (vph)	1	2	10	27	52	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.910				0.998	
Flt Protected	0.984				0.987	
Satd. Flow (prot)	1701	0	0	1797	1860	0
Flt Permitted	0.984				0.987	
Satd. Flow (perm)	1701	0	0	1797	1860	0
Link Speed (mph)	30				30	30
Link Distance (ft)	775				149	873
Travel Time (s)	17.6				3.4	19.8
Peak Hour Factor	0.92	0.92	0.53	0.53	0.78	0.78
Heavy Vehicles (%)	0%	0%	0%	6%	2%	0%
Adj. Flow (vph)	1	2	19	51	67	1
Shared Lane Traffic (%)						
Lane Group Flow (vph)	3	0	0	70	68	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12				0	0
Link Offset(ft)	0				0	0
Crosswalk Width(ft)	16				16	16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15	9		
Sign Control	Stop				Free	Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	18.6%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 Build AM Peak Hour

Intersection						
Int Delay, s/veh	1.2					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	2	10	27	52	1
Future Vol, veh/h	1	2	10	27	52	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	53	53	78	78
Heavy Vehicles, %	0	0	0	6	2	0
Mvmt Flow	1	2	19	51	67	1
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	157	68	68	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	89	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	839	1001	1546	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	940	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	828	1001	1546	-	-	-
Mov Cap-2 Maneuver	828	-	-	-	-	-
Stage 1	948	-	-	-	-	-
Stage 2	940	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	8.9	2		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1546	-	936	-	-	
HCM Lane V/C Ratio	0.012	-	0.003	-	-	
HCM Control Delay (s)	7.4	0	8.9	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	0	-	-	

8: Forest Road & Site Driveway Lanes, Volumes, Timings

2028 Build AM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	20	8	29	7	2	52
Future Volume (vph)	20	8	29	7	2	52
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.961		0.973			
Flt Protected	0.966					0.998
Satd. Flow (prot)	1729	0	1812	0	0	1859
Flt Permitted	0.966					0.998
Satd. Flow (perm)	1729	0	1812	0	0	1859
Link Speed (mph)	30		30			30
Link Distance (ft)	487		937			149
Travel Time (s)	11.1		21.3			3.4
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	22	9	32	8	2	57
Shared Lane Traffic (%)						
Lane Group Flow (vph)	31	0	40	0	0	59
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	14.4%			ICU Level of Service A		
Analysis Period (min)	15					

8: Forest Road & Site Driveway
HCM 2010 TWSC

2028 Build AM Peak Hour

Intersection						
Int Delay, s/veh	2.3					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	20	8	29	7	2	52
Future Vol, veh/h	20	8	29	7	2	52
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	22	9	32	8	2	57
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	97	36	0	0	40	0
Stage 1	36	-	-	-	-	-
Stage 2	61	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	902	1037	-	-	1570	-
Stage 1	986	-	-	-	-	-
Stage 2	962	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	901	1037	-	-	1570	-
Mov Cap-2 Maneuver	901	-	-	-	-	-
Stage 1	986	-	-	-	-	-
Stage 2	961	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	9	0		0.3		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	936	1570	-	
HCM Lane V/C Ratio	-	-	0.033	0.001	-	
HCM Control Delay (s)	-	-	9	7.3	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	0.1	0	-	

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 Build PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	51	4	588	88	6	574
Future Volume (vph)	51	4	588	88	6	574
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.989		0.982			
Flt Protected	0.956					
Satd. Flow (prot)	1796	0	1850	0	0	1900
Flt Permitted	0.956					
Satd. Flow (perm)	1796	0	1850	0	0	1900
Link Speed (mph)	30		30			30
Link Distance (ft)	935		600			1047
Travel Time (s)	21.3		13.6			23.8
Peak Hour Factor	0.86	0.86	0.95	0.95	0.81	0.81
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	59	5	619	93	7	709
Shared Lane Traffic (%)						
Lane Group Flow (vph)	64	0	712	0	0	716
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	46.3%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 Build PM Peak Hour

Intersection						
Int Delay, s/veh	1.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	51	4	588	88	6	574
Future Vol, veh/h	51	4	588	88	6	574
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	86	86	95	95	81	81
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	59	5	619	93	7	709

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1389	666	0	0	712
Stage 1	666	-	-	-	-
Stage 2	723	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2
Pot Cap-1 Maneuver	159	463	-	-	897
Stage 1	515	-	-	-	-
Stage 2	484	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	157	463	-	-	897
Mov Cap-2 Maneuver	157	-	-	-	-
Stage 1	515	-	-	-	-
Stage 2	478	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	40	0	0.1
HCM LOS	E		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	165	897
HCM Lane V/C Ratio	-	-	0.388	0.008
HCM Control Delay (s)	-	-	40	9
HCM Lane LOS	-	-	E	A
HCM 95th %tile Q(veh)	-	-	1.7	0

5: Lafayette Road & School House Lane

Lanes, Volumes, Timings

2028 Build PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	7	591	0	15	584
Future Volume (vph)	0	7	591	0	15	584
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.865					
Flt Protected						0.999
Satd. Flow (prot)	1644	0	1881	0	0	1898
Flt Permitted						0.999
Satd. Flow (perm)	1644	0	1881	0	0	1898
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.50	0.50	0.91	0.91	0.82	0.82
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	14	649	0	18	712
Shared Lane Traffic (%)						
Lane Group Flow (vph)	14	0	649	0	0	730
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	52.8%			ICU Level of Service A		
Analysis Period (min)	15					

5: Lafayette Road & School House Lane
HCM 2010 TWSC

2028 Build PM Peak Hour

Intersection						
Int Delay, s/veh	0.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	7	591	0	15	584
Future Vol, veh/h	0	7	591	0	15	584
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	50	50	91	91	82	82
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	0	14	649	0	18	712
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1397	649	0	0	649	0
Stage 1	649	-	-	-	-	-
Stage 2	748	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	157	473	-	-	947	-
Stage 1	524	-	-	-	-	-
Stage 2	471	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	152	473	-	-	947	-
Mov Cap-2 Maneuver	152	-	-	-	-	-
Stage 1	524	-	-	-	-	-
Stage 2	456	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	12.8	0		0.2		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 473		947	-	
HCM Lane V/C Ratio	-	- 0.03		0.019	-	
HCM Control Delay (s)	-	- 12.8		8.9	0	
HCM Lane LOS	-	- B		A	A	
HCM 95th %tile Q(veh)	-	- 0.1		0.1	-	

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 Build PM Peak Hour

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	6	9	6	62	42	2
Future Volume (vph)	6	9	6	62	42	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.919	0.994				
Flt Protected	0.980	0.996				
Satd. Flow (prot)	1711	0	0	1892	1889	0
Flt Permitted	0.980	0.996				
Satd. Flow (perm)	1711	0	0	1892	1889	0
Link Speed (mph)	30	30				
Link Distance (ft)	775	149				
Travel Time (s)	17.6	3.4				
Peak Hour Factor	0.42	0.42	0.87	0.87	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	14	21	7	71	44	2
Shared Lane Traffic (%)						
Lane Group Flow (vph)	35	0	0	78	46	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12	0				
Link Offset(ft)	0	0				
Crosswalk Width(ft)	16	16				
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15	9		
Sign Control	Stop	Free			Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	18.2%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 Build PM Peak Hour

Intersection						
Int Delay, s/veh	2.3					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	9	6	62	42	2
Future Vol, veh/h	6	9	6	62	42	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	42	42	87	87	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	14	21	7	71	44	2
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	130	45	46	0	-	0
Stage 1	45	-	-	-	-	-
Stage 2	85	-	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	869	1031	1575	-	-	-
Stage 1	983	-	-	-	-	-
Stage 2	943	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	865	1031	1575	-	-	-
Mov Cap-2 Maneuver	865	-	-	-	-	-
Stage 1	978	-	-	-	-	-
Stage 2	943	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	8.9	0.6		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1575	-	957	-	-	
HCM Lane V/C Ratio	0.004	-	0.037	-	-	
HCM Control Delay (s)	7.3	0	8.9	-	-	
HCM Lane LOS	A	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	0.1	-	-	

8: Forest Road & Site Driveway Lanes, Volumes, Timings

2028 Build PM Peak Hour

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	12	5	63	21	8	43
Future Volume (vph)	12	5	63	21	8	43
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.962		0.966			
Flt Protected	0.965					0.992
Satd. Flow (prot)	1729	0	1799	0	0	1848
Flt Permitted	0.965					0.992
Satd. Flow (perm)	1729	0	1799	0	0	1848
Link Speed (mph)	30		30			30
Link Distance (ft)	487		935			149
Travel Time (s)	11.1		21.3			3.4
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	13	5	68	23	9	47
Shared Lane Traffic (%)						
Lane Group Flow (vph)	18	0	91	0	0	56
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	19.1%		ICU Level of Service A			
Analysis Period (min)	15					

8: Forest Road & Site Driveway
HCM 2010 TWSC

2028 Build PM Peak Hour

Intersection						
Int Delay, s/veh	1.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	W	W	T	T	T	T
Traffic Vol, veh/h	12	5	63	21	8	43
Future Vol, veh/h	12	5	63	21	8	43
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	13	5	68	23	9	47
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	145	80	0	0	91	0
Stage 1	80	-	-	-	-	-
Stage 2	65	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	847	980	-	-	1504	-
Stage 1	943	-	-	-	-	-
Stage 2	958	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	842	980	-	-	1504	-
Mov Cap-2 Maneuver	842	-	-	-	-	-
Stage 1	943	-	-	-	-	-
Stage 2	952	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	9.2	0	1.2			
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	878	1504	-	
HCM Lane V/C Ratio	-	-	0.021	0.006	-	
HCM Control Delay (s)	-	-	9.2	7.4	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	0.1	0	-	

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 No-Build AM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	54	8	408	25	1	427
Future Volume (vph)	54	8	408	25	1	427
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.983		0.992			
Flt Protected	0.958					
Satd. Flow (prot)	1789	0	1779	0	0	1793
Flt Permitted	0.958					
Satd. Flow (perm)	1789	0	1779	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	1062		600			1047
Travel Time (s)	24.1		13.6			23.8
Peak Hour Factor	0.57	0.57	0.73	0.73	0.93	0.93
Heavy Vehicles (%)	0%	0%	6%	5%	0%	6%
Adj. Flow (vph)	95	14	559	34	1	459
Shared Lane Traffic (%)						
Lane Group Flow (vph)	109	0	593	0	0	460
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	33.4%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 No-Build AM Peak Hour One-Way

Intersection						
Int Delay, s/veh	2.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	54	8	408	25	1	427
Future Vol, veh/h	54	8	408	25	1	427
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	57	57	73	73	93	93
Heavy Vehicles, %	0	0	6	5	0	6
Mvmt Flow	95	14	559	34	1	459
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	1037	576	0	0	593	0
Stage 1	576	-	-	-	-	-
Stage 2	461	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	258	521	-	-	993	-
Stage 1	566	-	-	-	-	-
Stage 2	639	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	258	521	-	-	993	-
Mov Cap-2 Maneuver	258	-	-	-	-	-
Stage 1	566	-	-	-	-	-
Stage 2	638	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	26.3	0	0			
HCM LOS	D					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	276	993	-	
HCM Lane V/C Ratio	-	-	0.394	0.001	-	
HCM Control Delay (s)	-	-	26.3	8.6	0	
HCM Lane LOS	-	-	D	A	A	
HCM 95th %tile Q(veh)	-	-	1.8	0	-	

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2028 No-Build AM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	0	416	4	2	424
Future Volume (vph)	0	0	416	4	2	424
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.999			
Flt Protected						
Satd. Flow (prot)	0	0	1809	0	0	1793
Flt Permitted						
Satd. Flow (perm)	0	0	1809	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.95	0.95	0.71	0.71	0.89	0.89
Heavy Vehicles (%)	0%	0%	5%	0%	0%	6%
Adj. Flow (vph)	0	0	586	6	2	476
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	592	0	0	478
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	27.2%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 No-Build AM Peak Hour One-Way

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	6	0	27	53	0
Future Volume (vph)	1	6	0	27	53	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.882					
Flt Protected	0.994					
Satd. Flow (prot)	1666	0	0	1792	1863	0
Flt Permitted	0.994					
Satd. Flow (perm)	1666	0	0	1792	1863	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			1062	873	
Travel Time (s)	17.6			24.1	19.8	
Peak Hour Factor	0.92	0.92	0.53	0.53	0.78	0.78
Heavy Vehicles (%)	0%	0%	0%	6%	2%	0%
Adj. Flow (vph)	1	7	0	51	68	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	8	0	0	51	68	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.3%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 No-Build AM Peak Hour One-Way

Intersection						
Int Delay, s/veh	0.5					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	6	0	27	53	0
Future Vol, veh/h	1	6	0	27	53	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	53	53	78	78
Heavy Vehicles, %	0	0	0	6	2	0
Mvmt Flow	1	7	0	51	68	0
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	119	68	-	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	51	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	-	-
Pot Cap-1 Maneuver	882	1001	0	-	-	0
Stage 1	960	-	0	-	-	0
Stage 2	977	-	0	-	-	0
Platoon blocked, %				-	-	
Mov Cap-1 Maneuver	882	1001	-	-	-	-
Mov Cap-2 Maneuver	882	-	-	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	977	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	8.7	0		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT EBLn1		SBT			
Capacity (veh/h)	- 982		-			
HCM Lane V/C Ratio	- 0.008		-			
HCM Control Delay (s)	- 8.7		-			
HCM Lane LOS	- A		-			
HCM 95th %tile Q(veh)	- 0		-			

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 No-Build PM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	39	8	589	66	6	574
Future Volume (vph)	39	8	589	66	6	574
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.977		0.986			
Flt Protected	0.960					
Satd. Flow (prot)	1782	0	1857	0	0	1900
Flt Permitted	0.960					
Satd. Flow (perm)	1782	0	1857	0	0	1900
Link Speed (mph)	30		30			30
Link Distance (ft)	1055		600			1047
Travel Time (s)	24.0		13.6			23.8
Peak Hour Factor	0.86	0.86	0.95	0.95	0.81	0.81
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	45	9	620	69	7	709
Shared Lane Traffic (%)						
Lane Group Flow (vph)	54	0	689	0	0	716
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	45.0%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road HCM 2010 TWSC

2028 No-Build PM Peak Hour One-Way

Intersection						
Int Delay, s/veh	1.3					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	39	8	589	66	6	574
Future Vol, veh/h	39	8	589	66	6	574
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	86	86	95	95	81	81
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	45	9	620	69	7	709
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1378	655	0	0	689	0
Stage 1	655	-	-	-	-	-
Stage 2	723	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	161	470	-	-	915	-
Stage 1	521	-	-	-	-	-
Stage 2	484	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	159	470	-	-	915	-
Mov Cap-2 Maneuver	159	-	-	-	-	-
Stage 1	521	-	-	-	-	-
Stage 2	478	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	33.7	0		0.1		
HCM LOS	D					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	179	915	-	
HCM Lane V/C Ratio	-	-	0.305	0.008	-	
HCM Control Delay (s)	-	-	33.7	9	0	
HCM Lane LOS	-	-	D	A	A	
HCM 95th %tile Q(veh)	-	-	1.2	0	-	

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2028 No-Build PM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	0	593	3	7	584
Future Volume (vph)	0	0	593	3	7	584
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.999			
Flt Protected						0.999
Satd. Flow (prot)	0	0	1879	0	0	1898
Flt Permitted						0.999
Satd. Flow (perm)	0	0	1879	0	0	1898
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.50	0.50	0.91	0.91	0.82	0.82
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	0	652	3	9	712
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	655	0	0	721
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	39.7%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 No-Build PM Peak Hour One-Way

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	6	3	0	62	44	0
Future Volume (vph)	6	3	0	62	44	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.955					
Flt Protected	0.968					
Satd. Flow (prot)	1756	0	0	1900	1900	0
Flt Permitted	0.968					
Satd. Flow (perm)	1756	0	0	1900	1900	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			1055	873	
Travel Time (s)	17.6			24.0	19.8	
Peak Hour Factor	0.42	0.42	0.87	0.87	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	14	7	0	71	46	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	21	0	0	71	46	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.3%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 No-Build PM Peak Hour One-Way

Intersection						
Int Delay, s/veh	1.4					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	3	0	62	44	0
Future Vol, veh/h	6	3	0	62	44	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	42	42	87	87	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	14	7	0	71	46	0
Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	117	46	-	0	-	0
Stage 1	46	-	-	-	-	-
Stage 2	71	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	-	-
Pot Cap-1 Maneuver	884	1029	0	-	-	0
Stage 1	982	-	0	-	-	0
Stage 2	957	-	0	-	-	0
Platoon blocked, %				-	-	
Mov Cap-1 Maneuver	884	1029	-	-	-	-
Mov Cap-2 Maneuver	884	-	-	-	-	-
Stage 1	982	-	-	-	-	-
Stage 2	957	-	-	-	-	-
Approach	EB	NB	SB			
HCM Control Delay, s	9	0	0			
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	EBLn1	SBT			
Capacity (veh/h)	-	928	-			
HCM Lane V/C Ratio	-	0.023	-			
HCM Control Delay (s)	-	9	-			
HCM Lane LOS	-	A	-			
HCM 95th %tile Q(veh)	-	0.1	-			

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 Build AM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	74	16	408	32	1	427
Future Volume (vph)	74	16	408	32	1	427
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.976		0.990			
Flt Protected	0.960					
Satd. Flow (prot)	1780	0	1776	0	0	1793
Flt Permitted	0.960					
Satd. Flow (perm)	1780	0	1776	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	937		600			1047
Travel Time (s)	21.3		13.6			23.8
Peak Hour Factor	0.57	0.57	0.73	0.73	0.93	0.93
Heavy Vehicles (%)	0%	0%	6%	5%	0%	6%
Adj. Flow (vph)	130	28	559	44	1	459
Shared Lane Traffic (%)						
Lane Group Flow (vph)	158	0	603	0	0	460
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	35.2%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road
HCM 2010 TWSC

2028 Build AM Peak Hour One-Way

Intersection						
Int Delay, s/veh	4.3					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	74	16	408	32	1	427
Future Vol, veh/h	74	16	408	32	1	427
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	57	57	73	73	93	93
Heavy Vehicles, %	0	0	6	5	0	6
Mvmt Flow	130	28	559	44	1	459
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	1042	581	0	0	603	0
Stage 1	581	-	-	-	-	-
Stage 2	461	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	257	517	-	-	984	-
Stage 1	563	-	-	-	-	-
Stage 2	639	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	257	517	-	-	984	-
Mov Cap-2 Maneuver	257	-	-	-	-	-
Stage 1	563	-	-	-	-	-
Stage 2	638	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	32.9	0	0			
HCM LOS	D					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	282	984	-	
HCM Lane V/C Ratio	-	-	0.56	0.001	-	
HCM Control Delay (s)	-	-	32.9	8.7	0	
HCM Lane LOS	-	-	D	A	A	
HCM 95th %tile Q(veh)	-	-	3.2	0	-	

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2028 Build AM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	0	424	4	4	424
Future Volume (vph)	0	0	424	4	4	424
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.999			
Flt Protected						
Satd. Flow (prot)	0	0	1809	0	0	1793
Flt Permitted						
Satd. Flow (perm)	0	0	1809	0	0	1793
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.95	0.95	0.71	0.71	0.89	0.89
Heavy Vehicles (%)	0%	0%	5%	0%	0%	6%
Adj. Flow (vph)	0	0	597	6	4	476
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	603	0	0	480
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	28.8%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 Build AM Peak Hour One-Way

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	1	8	0	27	53	0
Future Volume (vph)	1	8	0	27	53	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.878					
Flt Protected	0.995					
Satd. Flow (prot)	1660	0	0	1792	1863	0
Flt Permitted	0.995					
Satd. Flow (perm)	1660	0	0	1792	1863	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			149	873	
Travel Time (s)	17.6			3.4	19.8	
Peak Hour Factor	0.92	0.92	0.53	0.53	0.78	0.78
Heavy Vehicles (%)	0%	0%	0%	6%	2%	0%
Adj. Flow (vph)	1	9	0	51	68	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	10	0	0	51	68	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.3%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 Build AM Peak Hour One-Way

Intersection						
Int Delay, s/veh	0.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	1	8	0	27	53	0
Future Vol, veh/h	1	8	0	27	53	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	53	53	78	78
Heavy Vehicles, %	0	0	0	6	2	0
Mvmt Flow	1	9	0	51	68	0
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	119	68	-	0	-	0
Stage 1	68	-	-	-	-	-
Stage 2	51	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	-	-
Pot Cap-1 Maneuver	882	1001	0	-	-	0
Stage 1	960	-	0	-	-	0
Stage 2	977	-	0	-	-	0
Platoon blocked, %				-	-	
Mov Cap-1 Maneuver	882	1001	-	-	-	-
Mov Cap-2 Maneuver	882	-	-	-	-	-
Stage 1	960	-	-	-	-	-
Stage 2	977	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	8.7	0		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT EBLn1		SBT			
Capacity (veh/h)	-		986	-		
HCM Lane V/C Ratio	-		0.01	-		
HCM Control Delay (s)	-		8.7	-		
HCM Lane LOS	-		A	-		
HCM 95th %tile Q(veh)	-		0	-		

8: Forest Road & Site Driveway Lanes, Volumes, Timings

2028 Build AM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	28	0	27	7	2	59
Future Volume (vph)	28	0	27	7	2	59
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.971					
Flt Protected	0.950					0.998
Satd. Flow (prot)	1770	0	1809	0	0	1859
Flt Permitted	0.950					0.998
Satd. Flow (perm)	1770	0	1809	0	0	1859
Link Speed (mph)	30		30			30
Link Distance (ft)	487		937			149
Travel Time (s)	11.1		21.3			3.4
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	30	0	29	8	2	64
Shared Lane Traffic (%)						
Lane Group Flow (vph)	30	0	37	0	0	66
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	14.7%			ICU Level of Service A		
Analysis Period (min)	15					

8: Forest Road & Site Driveway
HCM 2010 TWSC

2028 Build AM Peak Hour One-Way

Intersection						
Int Delay, s/veh	2.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	28	0	27	7	2	59
Future Vol, veh/h	28	0	27	7	2	59
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	30	0	29	8	2	64

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	101	33	0
Stage 1	33	-	-
Stage 2	68	-	-
Critical Hdwy	6.42	6.22	-
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	-
Pot Cap-1 Maneuver	898	1041	-
Stage 1	989	-	-
Stage 2	955	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	897	1041	-
Mov Cap-2 Maneuver	897	-	-
Stage 1	989	-	-
Stage 2	954	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.2	0	0.2
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	897	1574
HCM Lane V/C Ratio	-	-	0.034	0.001
HCM Control Delay (s)	-	-	9.2	7.3
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0

4: Lafayette Road & Forest Road Lanes, Volumes, Timings

2028 Build PM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	51	13	589	87	6	574
Future Volume (vph)	51	13	589	87	6	574
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150	0		0	0	
Storage Lanes	0	0		0	0	
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.973		0.983			
Flt Protected	0.962					
Satd. Flow (prot)	1778	0	1852	0	0	1900
Flt Permitted	0.962					
Satd. Flow (perm)	1778	0	1852	0	0	1900
Link Speed (mph)	30		30			30
Link Distance (ft)	935		600			1047
Travel Time (s)	21.3		13.6			23.8
Peak Hour Factor	0.86	0.86	0.95	0.95	0.81	0.81
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	59	15	620	92	7	709
Shared Lane Traffic (%)						
Lane Group Flow (vph)	74	0	712	0	0	716
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	46.6%			ICU Level of Service A		
Analysis Period (min)	15					

4: Lafayette Road & Forest Road HCM 2010 TWSC

2028 Build PM Peak Hour One-Way

Intersection						
Int Delay, s/veh	1.9					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	51	13	589	87	6	574
Future Vol, veh/h	51	13	589	87	6	574
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	86	86	95	95	81	81
Heavy Vehicles, %	0	0	1	0	0	0
Mvmt Flow	59	15	620	92	7	709
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1389	666	0	0	712	0
Stage 1	666	-	-	-	-	-
Stage 2	723	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.1	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.2	-
Pot Cap-1 Maneuver	159	463	-	-	897	-
Stage 1	515	-	-	-	-	-
Stage 2	484	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	157	463	-	-	897	-
Mov Cap-2 Maneuver	157	-	-	-	-	-
Stage 1	515	-	-	-	-	-
Stage 2	478	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	38.1	0		0.1		
HCM LOS	E					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	- 181		897	-	
HCM Lane V/C Ratio	-	- 0.411		0.008	-	
HCM Control Delay (s)	-	- 38.1		9	0	
HCM Lane LOS	-	- E		A	A	
HCM 95th %tile Q(veh)	-	- 1.8		0	-	

5: Lafayette Road & School House Lane Lanes, Volumes, Timings

2028 Build PM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	0	0	598	3	15	584
Future Volume (vph)	0	0	598	3	15	584
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.999			
Flt Protected						0.999
Satd. Flow (prot)	0	0	1879	0	0	1898
Flt Permitted						0.999
Satd. Flow (perm)	0	0	1879	0	0	1898
Link Speed (mph)	30		30			30
Link Distance (ft)	775		1047			799
Travel Time (s)	17.6		23.8			18.2
Peak Hour Factor	0.50	0.50	0.91	0.91	0.82	0.82
Heavy Vehicles (%)	0%	0%	1%	0%	0%	0%
Adj. Flow (vph)	0	0	657	3	18	712
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	660	0	0	730
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	0		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	46.1%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane Lanes, Volumes, Timings

2028 Build PM Peak Hour One-Way

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	6	11	0	62	44	0
Future Volume (vph)	6	11	0	62	44	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.912					
Flt Protected	0.983					
Satd. Flow (prot)	1703	0	0	1900	1900	0
Flt Permitted	0.983					
Satd. Flow (perm)	1703	0	0	1900	1900	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	775			149	873	
Travel Time (s)	17.6			3.4	19.8	
Peak Hour Factor	0.42	0.42	0.87	0.87	0.95	0.95
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	14	26	0	71	46	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	40	0	0	71	46	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	13.3%			ICU Level of Service A		
Analysis Period (min)	15					

6: Forest Road & School House Lane
HCM 2010 TWSC

2028 Build PM Peak Hour One-Way

Intersection						
Int Delay, s/veh	2.3					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	11	0	62	44	0
Future Vol, veh/h	6	11	0	62	44	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	42	42	87	87	95	95
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	14	26	0	71	46	0
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	117	46	-	0	-	0
Stage 1	46	-	-	-	-	-
Stage 2	71	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	-	-
Pot Cap-1 Maneuver	884	1029	0	-	-	0
Stage 1	982	-	0	-	-	0
Stage 2	957	-	0	-	-	0
Platoon blocked, %				-	-	
Mov Cap-1 Maneuver	884	1029	-	-	-	-
Mov Cap-2 Maneuver	884	-	-	-	-	-
Stage 1	982	-	-	-	-	-
Stage 2	957	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	8.9	0		0		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT EBLn1		SBT			
Capacity (veh/h)	- 973		-			
HCM Lane V/C Ratio	- 0.042		-			
HCM Control Delay (s)	- 8.9		-			
HCM Lane LOS	- A		-			
HCM 95th %tile Q(veh)	- 0.1		-			

8: Forest Road & Site Driveway Lanes, Volumes, Timings

2028 Build PM Peak Hour One-Way

						
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (vph)	17	0	62	21	8	47
Future Volume (vph)	17	0	62	21	8	47
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.965					
Flt Protected	0.950					0.993
Satd. Flow (prot)	1770	0	1798	0	0	1850
Flt Permitted	0.950					0.993
Satd. Flow (perm)	1770	0	1798	0	0	1850
Link Speed (mph)	30		30			30
Link Distance (ft)	487		935			149
Travel Time (s)	11.1		21.3			3.4
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	18	0	67	23	9	51
Shared Lane Traffic (%)						
Lane Group Flow (vph)	18	0	90	0	0	60
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(ft)	12		0			0
Link Offset(ft)	0		0			0
Crosswalk Width(ft)	16		16			16
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9		9	15	
Sign Control	Stop		Free			Free
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	19.3%			ICU Level of Service A		
Analysis Period (min)	15					

8: Forest Road & Site Driveway
HCM 2010 TWSC

2028 Build PM Peak Hour One-Way

Intersection						
Int Delay, s/veh	1.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	17	0	62	21	8	47
Future Vol, veh/h	17	0	62	21	8	47
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	18	0	67	23	9	51
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	148	79	0	0	90	0
Stage 1	79	-	-	-	-	-
Stage 2	69	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	844	981	-	-	1505	-
Stage 1	944	-	-	-	-	-
Stage 2	954	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	839	981	-	-	1505	-
Mov Cap-2 Maneuver	839	-	-	-	-	-
Stage 1	944	-	-	-	-	-
Stage 2	948	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	9.4	0		1.1		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	839	1505	-	
HCM Lane V/C Ratio	-	-	0.022	0.006	-	
HCM Control Delay (s)	-	-	9.4	7.4	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	0.1	0	-	

Sight Distance Worksheets

Sight Distance Calculations

Forest Road and Proposed Site Driveway, Salisbury, MA

Inputs

Posted Speed Limit = 30 mph NB & SB

Direction 1 =	Forest Road Northbound	85% Speed =	35	mph	Grade =	0	t =	2.5 s	a =	11.2 ft/s ²
Direction 2 =	Forest Road Southbound	85% Speed =	35	mph	Grade =	0	t =	2.5 s	a =	11.2 ft/s ²
							Left: t _g =	7.5 s		
							Right: t _g =	6.5 s		

SSD = Reaction Distance + Braking Distance

Reaction Distance = $1.47 \times V \times t$

Braking Distance = $V^2 / (30 \times ((a/32.2) + G))$

ISD = $1.47 \times V \times t_g$

Where

- t = reaction time (sec)
- t_g = time gap for minor road vehicle to enter the major road
- V = travel speed (mph)
- G = roadway grade
- a = deceleration rate (ft/s²)

Calculations

	Reaction Distance (ft)	Brake Distance (ft)	SSD (ft)
Forest Road Northbound	128.6	117.4	246
Forest Road Southbound	128.6	117.4	246

For 35 mph:

Left Turn ISD =	386	ft
Right Turn ISD =	334	ft

For 35 mph:

Left Turn ISD =	386	ft
Right Turn ISD =	334	ft