

Traffic Study of the Middle Street/Village Green Area, Amherst, NH

INTRODUCTION

Purpose and Scope

The Town of Amherst has observed that vehicles heading west on Amherst Road (NH Route 122) use Middle Street as a "cut through" to avoid the signalized intersection at Boston Post Road and Amherst Road. This situation has been further complicated by the closing of the municipal bridge on Manchester Road over Beaver Brook, which has resulted in diverted westbound traffic using the Amherst Street/Middle Street path to access areas north of the Village Green (please see attached map). Middle Street bisects the pedestrian friendly Village Green, and the perception of cut through traffic has raised safety concerns. This study will assess the potential impacts of closing the 200± foot section of Middle Street between Main Street and School Street on the roads and intersections in the immediate vicinity.

Study Area

Land Use

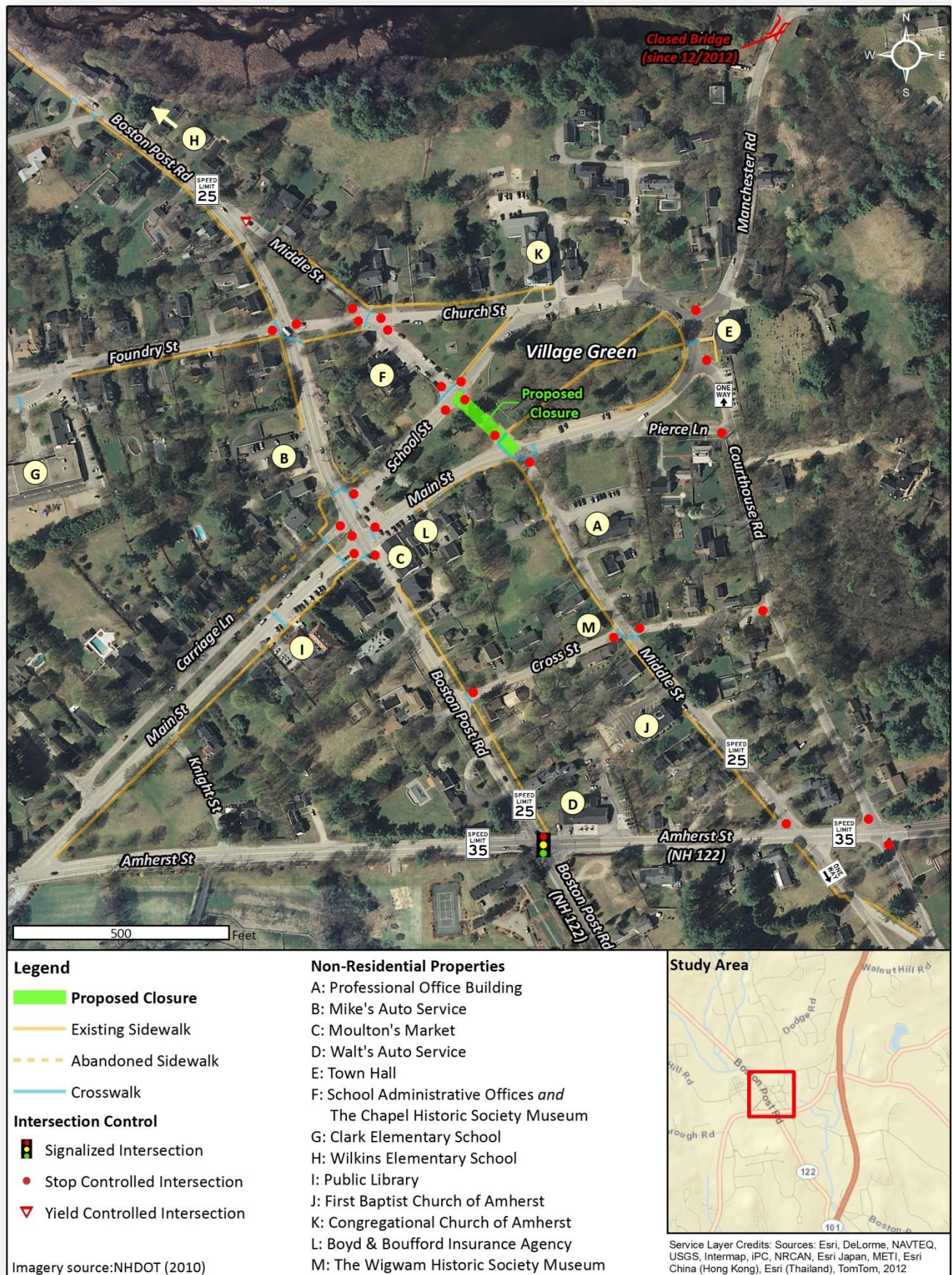
Amherst, NH is home to about 12,000 residents, approximately 600 of whom live in and around the town center, according to Census 2010 data. The study area is at the core of the town center, as shown on Figure 1, and is located within Amherst's designated Historic District. This area is characterized by many historically significant buildings surrounding the Village Green, a focal point for the community for over 200 years. Recurring community events held at the Village Green include a Fourth of July celebration and Christmas tree lighting, as well as a seasonal Farmer's Market and an annual "Antiques on the Green" show.

The predominant land use is single family residential; commercial businesses include a professional office building on Middle Street, an auto service shop on Boston Post Road, a deli/pizza/grocery store at the corner of Main Street and Boston Post Road, and a service station at the corner of Amherst Street and Boston Post Road. Additionally, Amherst's Town Hall is located east of the Green and its school administrative offices are located on Middle Street in the historic Brick School building. Over 600 students attend two public schools located in close proximity to the study area: Clark School, for pre-kindergarten through first grade, is located on Foundry Street and Wilkins School, for first through fourth grade, is on Boston Post Road less than one-quarter of a mile north of Middle Street. The Amherst Public Library is located to the west of the study area on Main Street. Two churches are also located in the immediate area – one on Middle Street south of Cross Street, and one on Church Street, which also houses a private preschool.

50

1959 YEARS 2009

Figure 1 – Study Area



Road Network

Boston Post Road enters the study area from the north and continues southerly through the town center to its intersection with Amherst Street (NH Route 122). This intersection is controlled by an actuated traffic signal and marks the southern boundary of the study area. Boston Post Road continues south as NH Route 122, eventually intersecting with both NH Route 101 and NH Route 101A, two of the region's most significant east/west travel corridors. Within the study area, Boston Post Road intersects with Foundry Street/Church Street, Carriage Lane/School Street, Main Street, and Cross Street. Boston Post Road is the major route through these intersections; all are two-way stop controlled, except for the all-way stop controlled intersection at Main Street.



Middle Street, looking north from south of the Main Street intersection; crosswalks were not yet repainted following a paving project

Middle Street begins at Boston Post Road at the northerly extent of the study area and extends southerly to Amherst Street, approximately one-tenth of a mile east of the Boston Post Road/Amherst Street intersection. Middle Street continues south as a one way street for a short distance until it terminates at Courthouse Road, which continues for about one-quarter of a mile to Boston Post Road. Between Boston Post Road and Amherst Street, Middle Street intersects with Church Street, School Street, Main Street, and Cross Street. There are all-way stop controls at Church Street and School Street; two-way stop controls on Middle Street at the Main Street intersection; and a one-way stop control on Middle Street at Amherst Street.

Church Street begins at Manchester Road (east of the Village Green) and extends westerly along the north side of the Green, crossing Middle Street and Boston Post Road. West of Boston Post Road, Church Street becomes Foundry Street; Clark Elementary School is approximately one-tenth of a mile from that intersection. School Street begins at Church Street and continues westerly, becoming Carriage Lane west of Main Street. Main Street also begins at Manchester Road and extends westerly around the south side of the Village Green to Amherst Street. Main Street has the right-of-way through its intersection with Middle Street and is stop controlled at Boston Post Road, as previously described and as shown on Figure 1. A crossing guard controls traffic during the morning and afternoon peak school traffic times at the intersection of Foundry/Church Street and Boston Post Road.

The speed limit on all roads through the study area is posted at 25 miles per hour (mph). Amherst Street is posted at 35 mph.

All the roads in the study area are maintained by the town of Amherst. Sidewalk improvements were completed on Middle Street between Main Street and Amherst Street in 2013 as part of a public works project; there are no sidewalks on Middle Street between Church Street and Main Street. Other maintained sidewalks exist as shown on Figure 1; there is not a connected path of maintained sidewalks between Middle Street and the elementary school on Foundry Street or the market on Main Street.

TRAFFIC DATA UNDER EXISTING CONDITIONS

Directional Traffic Volumes

Directional traffic volumes were collected to document existing conditions with Middle Street open. Directional counts provide hourly volumes of traffic in each direction and are used to determine average daily traffic as well as peak hours.

Traffic counting tubes were installed at the following locations on Sunday, September 29, 2013 and removed Sunday, October 6, 2013.

- Boston Post Road
 - Between Sunset Avenue and Middle Street
 - Between Foundry Street and Carriage Road
 - Between Main Street and Cross Street
- Middle Street
 - Between Boston Post Road and Church Street
 - **Between School Street and Main Street (proposed closure)**
 - Between Main Street and Cross Street
- Main Street
 - Between Middle Street and Boston Post Road
- Amherst Street
 - East of Middle Street
 - West of Boston Post Road

Figure 2 displays the count locations and average weekday volumes; Tables 1 - 3 provide additional volume information, including peak hours at each count location. Detailed reports are included in Appendix A.

In general, traffic volumes on Middle Street and Main Street were about one-tenth of those on Boston Post Road and Amherst Street. The data show that during the morning peak hours, southbound volumes on Boston Post Road and Middle Street and eastbound volumes on Amherst Street were much higher than north- and westbound volumes, as traffic headed towards NH Routes 101 and 101A. In the evening, that pattern was reversed, with northbound and westbound traffic at higher volumes. Moulton's Market appears to attract higher volumes of traffic around lunchtime on both Main Street and also on northbound Boston Post Road and westbound Amherst Street, west of Boston Post Road. School begins at 8:30 am and ends between 2:45 and 2:50 pm at both Clark and Wilkins Schools, affecting traffic flow at those times throughout the study area. As previously stated, a crossing guard assists with traffic control at the intersection of Foundry/Church Street and Boston Post Road during school travel times.

Table 1 - Average Weekday Traffic Volumes

Street	Between	Both Directions	North/West Bound	South/East Bound
Boston Post Road	Sunset Av & Middle St	5,840	2,990	2,850
	Foundry St & Carriage Rd	6,070	3,020	3,050
	Main St & Cross St	6,160	3,130	3,030
Middle Street	Boston Post Rd & Church St	430	260	170
	School St & Main St	500	230	270
	Main St & Cross St	530	210	320
Main Street	Boston Post Rd & Middle St	540	220	320
Amherst Street	Courthouse Rd & Middle St	6,250	3,220	3,030
	Boston Post Rd & Knight St	4,760	2,370	2,380

*Values rounded to nearest ten

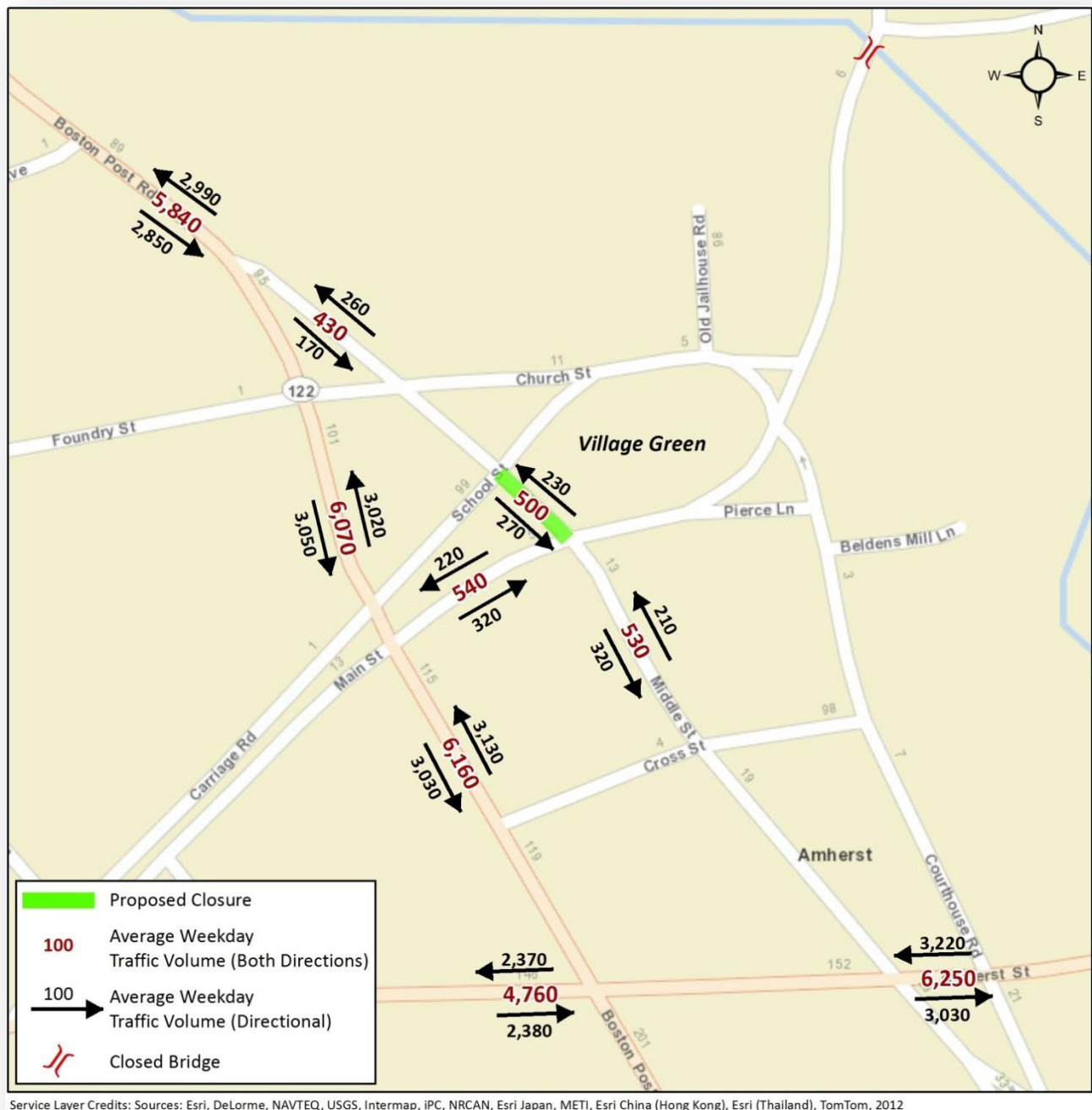
Table 2 - Average Weekday Morning Peak Traffic Volumes

Street	Between	Both Directions		North/West Bound		South/East Bound	
		Peak Hour	Peak Volume	Peak Hour	Peak Volume	Peak Hour	Peak Volume
Boston Post Road	Sunset Av & Middle St	7:00 AM	520	8:00 AM	170	7:00 AM	390
	Foundry St & Carriage Rd	7:00 AM	540	8:00 AM	140	7:00 AM	410
	Main St & Cross St	7:00 AM	550	11:00 AM	180	7:00 AM	410
Middle Street	Boston Post Rd & Church St	8:00 AM	80	8:00 AM	30	8:00 AM	40
	School St & Main St	8:00 AM	70	8:00 AM	30	8:00 AM	50
	Main St & Cross St	8:00 AM	70	8:00 AM	30	8:00 AM	40
Main Street	Boston Post Rd & Middle St	8:00 AM	60	8:00 AM	20	8:00 AM	40
Amherst Street	Courthouse Rd & Middle St	7:00 AM	500	8:00 AM	210	7:00 AM	330
	Boston Post Rd & Knight St	7:00 AM	400	11:00 AM	130	7:00 AM	300

Table 3 - Average Weekday Afternoon Peak Traffic Volumes

Street	Between	Both Directions		North/West Bound		South/East Bound	
		Peak Hour	Peak Volume	Peak Hour	Peak Volume	Peak Hour	Peak Volume
Boston Post Road	Sunset Av & Middle St	5:00 PM	560	5:00 PM	390	3:00 PM	230
	Foundry St & Carriage Rd	5:00 PM	580	5:00 PM	400	3:00 PM	240
	Main St & Cross St	5:00 PM	580	5:00 PM	400	3:00 PM	240
Middle Street	Boston Post Rd & Church St	3:00 PM	40	5:00 PM	30	3:00 PM	20
	School St & Main St	3:00 PM	40	2:00 PM	20	3:00 PM	30
	Main St & Cross St	4:00 PM	40	2:00 PM	20	3:00 PM	30
Main Street	Boston Post Rd & Middle St	12:00 PM	50	5:00 PM	20	12:00 PM	30
Amherst Street	Courthouse Rd & Middle St	5:00 PM	570	5:00 PM	360	3:00 PM	230
	Boston Post Rd & Knight St	5:00 PM	450	5:00 PM	290	5:00 PM	160

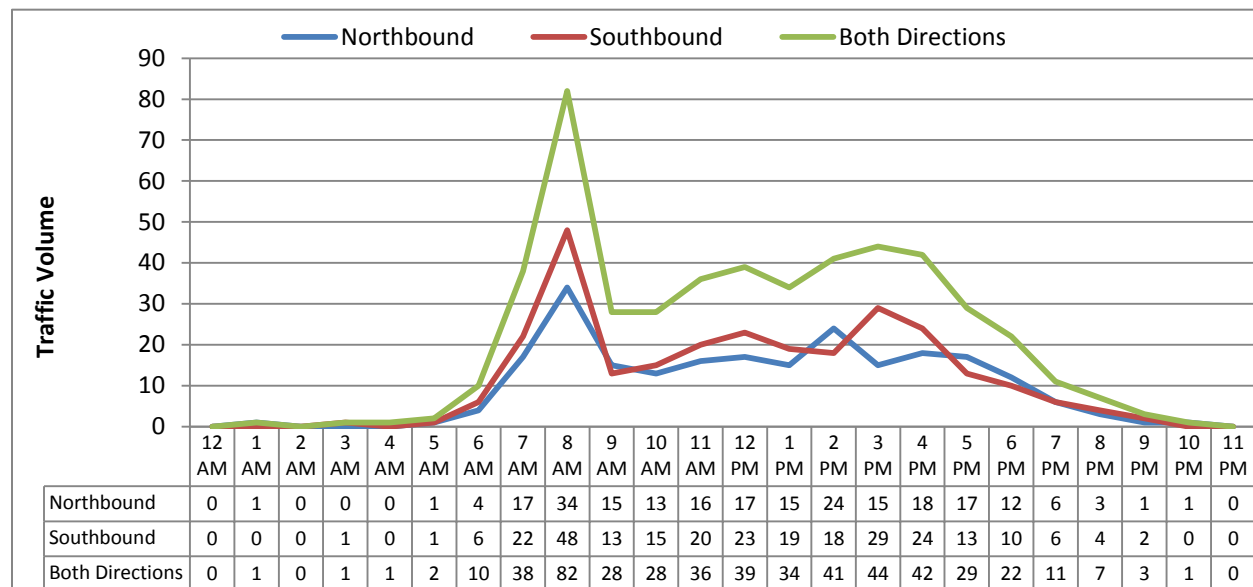
Figure 2 – Average Weekday Traffic Volumes



Average hourly weekday traffic volumes on the section of Middle Street proposed for closure are displayed on page 7 in Figure 3. For nearly half of each day, between 7 pm and 7 am, volumes in either direction were typically in the single digits and outside of the peak hours, total volumes in both directions were below 50 vehicles. In the morning when school traffic turning from Boston Post Road onto Foundry Street is at its peak, volumes on Middle Street were nearly double that of any other time of day. As afternoon school

traffic precedes commuter traffic by approximately 2 hours, a similar peak was not experienced in the afternoon.

Figure 3 - Average Weekday Traffic Volumes by Hour for the Section of Middle Street Proposed for Closure



Directional Traffic Speeds

In addition to volumes, the traffic counting tubes also collect speed data. The percentage of vehicles travelling in each speed group for the count sites is displayed in Table 4 (morning peak) and Table 5 (afternoon peak).

The data suggest that while the majority of vehicles were traveling at or below the speed limit on Middle Street, there was some speeding on the longer sections of the road south of Main Street and north of Church Street. The short distances between stop signs on Middle Street – about 215 feet between Main Street and School Street and 240 feet between School Street and Church Street - don't allow for the higher speeds between Main Street and Church Street. Boston Post Road is also posted at 25 miles per hour, and during the data collection period, a much higher percentage of drivers exceeded the speed limit during the peak hours. Detailed speed data by direction and speed category, provided in Appendix B, does indicate that a very high majority of the traffic during the peak hours was within 5 miles per hour of the posted speed.

Table 4 – Average Weekday Morning Peak Hour Speeds (in both directions)

Street	Between	Posted Speed Limit	AM Peak Hour	AM Peak Volume	% At or Below Speed Limit	% Above Speed Limit
Boston Post Road	Sunset Av & Middle St	25 mph	7:00 AM	517	19.73%	80.27%
	Foundry St & Carriage Rd	25 mph	7:00 AM	544	46.51%	53.49%
	Main St & Cross St	25 mph	7:00 AM	548	30.29%	69.71%
Middle Street	Boston Post Rd & Church St	25 mph	8:00 AM	75	81.33%	18.67%
	School St & Main St	25 mph	8:00 AM	82	100.00%	0.00%
	Main St & Cross St	25 mph	8:00 AM	72	70.83%	29.17%
Main Street	Boston Post Rd & Middle St	25 mph	8:00 AM	60	93.22%	6.78%
Amherst Street	Courthouse Rd & Middle St	35 mph	7:00 AM	502	65.28%	34.72%
	Boston Post Rd & Knight St	35 mph	7:00 AM	401	76.06%	23.94%

Table 5 – Average Weekday Afternoon Peak Hour Speeds (in both directions)

Street	Between	Posted Speed Limit	PM Peak Hour	PM Peak Volume	% At or Below Speed Limit	% Above Speed Limit
Boston Post Road	Sunset Av & Middle St	25 mph	5:00 PM	563	10.30%	89.70%
	Foundry St & Carriage Rd	25 mph	5:00 PM	583	24.36%	75.64%
	Main St & Cross St	25 mph	5:00 PM	575	51.74%	48.26%
Middle Street	Boston Post Rd & Church St	25 mph	3:00 PM	38	81.08%	18.92%
	School St & Main St	25 mph	3:00 PM	44	100.00%	0.00%
	Main St & Cross St	25 mph	4:00 PM	44	51.11%	48.89%
Main Street	Boston Post Rd & Middle St	25 mph	12:00 PM	51	94.23%	5.77%
Amherst Street	Courthouse Rd & Middle St	35 mph	5:00 PM	565	68.2%	31.8%
	Boston Post Rd & Knight St	35 mph	5:00 PM	449	58.8%	41.2%

Turning Movement Counts

Turning movement counts (TMCs) quantify the various approach movements of each vehicle, pedestrian, bicycle, and heavy truck that passes through an intersection during a given time. For this study, TMCs were collected during morning and afternoon commute times to document existing conditions with Middle Street open for its entire extent between Boston Post Road and Amherst Street.

NRPC staff collected turning movement counts on Wednesday, October 2, 2013 between 7 am and 9 am and on Thursday, October 3, 2013 between 4 pm and 6 pm at the following intersections (also shown on Figure 4):

- Boston Post Road and Foundry Street (unsignalized)
- Boston Post Road and Main Street (unsignalized)
- Middle Street and Main Street (unsignalized)
- Amherst Street and Middle Street (unsignalized)
- Amherst Street and Boston Post Road (signalized)

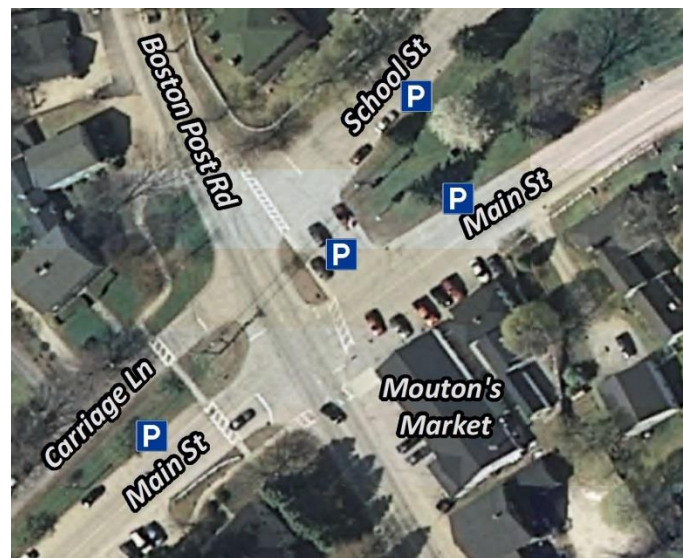
Data collected from the turning movement counts were entered into intersection analysis software (Synchro 8) to assess existing levels of service based on vehicle delay. Level of service (LOS) describes how well an intersection operates from a traveler's perspective; it is a standard measurement used by transportation planners to reflect the relative ease of traffic flow on a scale of A to F, with free-flow rated A and congested conditions rated F. There are different levels of service for signalized and stop-controlled (unsignalized) intersections:

LOS	Signalized Intersection Delay	Stop Controlled Intersection Delay
A	≤10 sec	≤10 sec
B	10-20 sec	10-15 sec
C	20-35 sec	15-25 sec
D	35-55 sec	25-35 sec
E	55-80 sec	35-50 sec
F	≥80 sec	≥50 sec

Figure 4 displays the locations and results of the AM and PM peak hour turning movement counts; detailed TMC reports are provided in Appendix C and show the volume of traffic on each approach of each intersection counted. The four stop-controlled intersections analyzed all functioned at level of service A in both the morning and afternoon peak hours. The signalized intersection at Amherst Street and Boston Post Road functioned at a level of service B.

The turning movement count data is consistent with the directional tube count data, showing that traffic volumes on Boston Post Road were much higher than those on Middle Street. At the Boston Post Road/Main Street intersection, volumes were nearly five times higher in the morning and seven times higher in the evening than the volumes at the adjacent Middle Street/Main Street intersection. At Amherst Street, Boston Post Road volumes were more than double those at Middle Street in the morning, and they were nearly double in the evening. On both roads, the majority of the movements through all intersections were northbound and southbound; the school on Foundry Street and Moulton's Market on Main Street generated higher east/west movements relative to other intersections, but still at lower percentages of total volume than north/southbound traffic.

The weather conditions were mild on both days of traffic counting; it was mostly sunny and between 50°F and 60°F the morning of October 2nd, and cloudy and between 65°F and 70°F the afternoon of October 3rd. Pedestrian activity was recorded at most intersections, but few bicycles were observed. There were more than double the



Observed patron parking locations around Moulton's Market

pedestrians at the Boston Post Road/Main Street intersection that at the Middle Street/Main Street intersection, in large part due to Moulton's Market. Many patrons of the market were observed parking across the street and/or intersection from store, resulting in much pedestrian activity through the intersection. In the morning, the pedestrians at the Middle Street/Main Street and Boston Post Road/Foundry Street intersections appear to be primarily children with or without adults walking to school. In the afternoon, there was less school-related pedestrian activity and more exercise/recreation related walking (i.e., adults with dogs) observed, especially through the Village Green.

Figure 4 – Existing Peak Hour Intersection Volumes



PROJECTED CONDITIONS WITH MIDDLE STREET CLOSED BETWEEN MAIN STREET AND SCHOOL STREET

Existing turning movement count volumes were used to project what would happen to adjacent intersections during peak hours if Middle Street between Main Street and School Street was closed. Traffic on that section of road was redistributed throughout the network and an intersection analysis was rerun using the projected volumes. Pedestrian traffic was not redistributed as it is assumed pedestrian traffic would still use the closed section of road.

The redistribution of traffic volumes involved relocating through volumes of traffic that the turning movement count data showed to travel on the segment proposed for discontinuance to Boston Post Road. For example, the morning peak hour data showed 40 vehicles turned right onto Middle Street from Amherst Street and 31 vehicles drove northbound through the Middle Street/Main Street intersection. In the proposed scenario, 31 of the 40 vehicles that turned at Middle Street from Amherst Street were redistributed to turn right at the Boston Post Road/Amherst Street intersection and then continue northbound. Likewise, the directional tube count data showed an average of 40 vehicles traveled southbound on Middle Street from the Boston Post Road/Middle Street intersection and turning movement count data showed 35 vehicles drove southbound through the Middle Street/Main Street intersection. In the scenario where the segment of Middle Street is closed, those 35 southbound vehicles were added to the volume of traffic that continued south on Boston Post Road at its intersection with Middle Street. Turning traffic that would be affected by the proposed discontinuance was also redistributed to turn at intersections prior to the Middle Street/Main Street intersection; they were then propagated through the network and added to the volumes at the adjacent intersections. This exercise was conducted for both the morning and afternoon peak hours, to represent the highest expected volumes through the study area.

Figure 5 displays the projected volumes and resulting delays associated with closing Middle Street between Main Street and School Street.

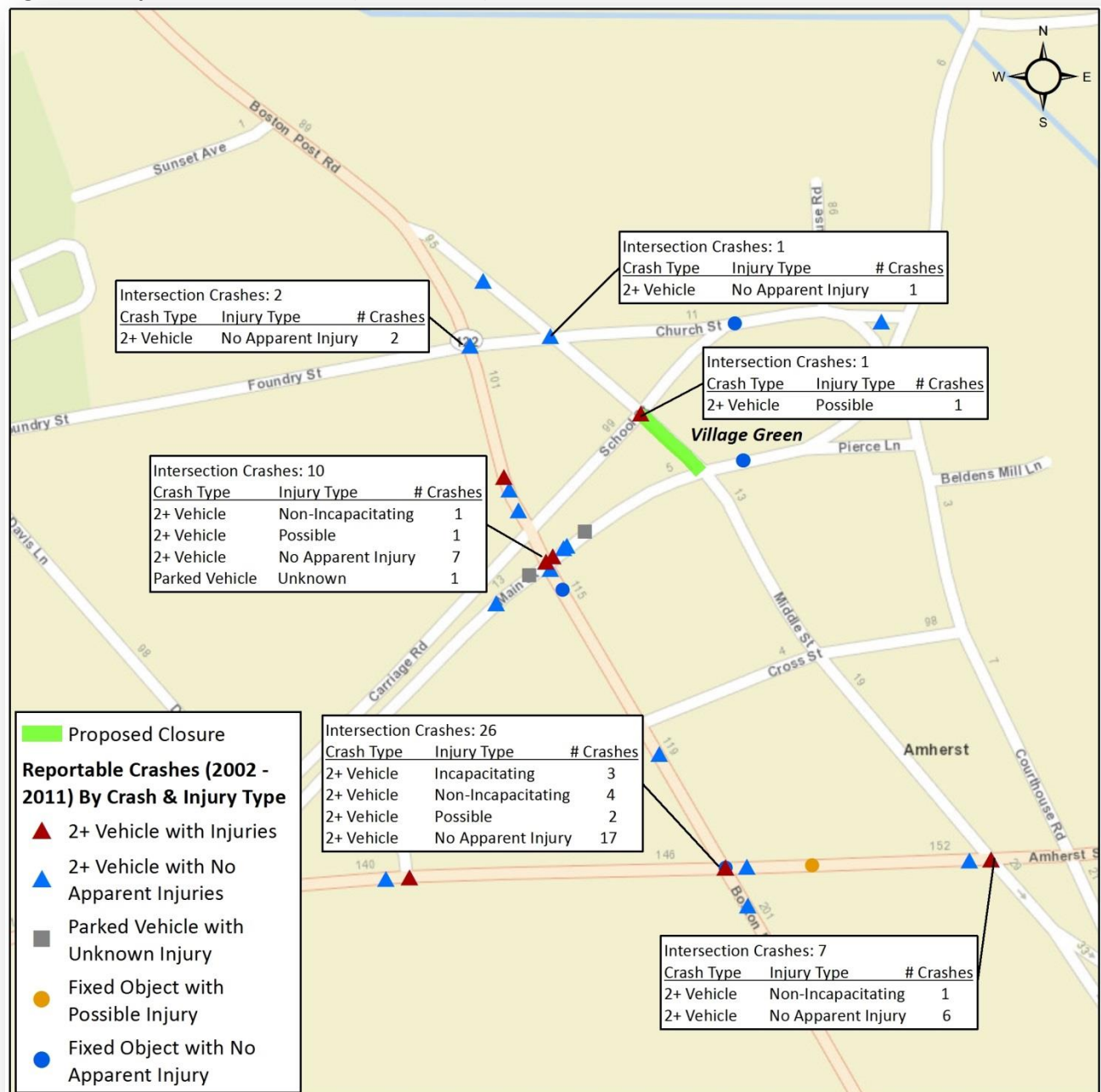
Figure 5 – Projected Peak Hour Intersection Volumes



STATE CRASH DATABASE REVIEW

Motor vehicle crash data from 2002 – 2011 was obtained from NH DOT, which receives the data from the NH Department of Safety for crashes with over \$1,000 in damage. The data represent about 75% of all crashes; the remaining 25% are not locatable based on the information contained in the submitted accident report. Data for crashes occurring within the study area was reviewed and is summarized on Figure 6. For the ten year period reviewed, there were no fatal crashes, and no reported crashes involving bicyclists or pedestrians within the study area. The highest number of crashes occurred at the Boston Post Road and Amherst Street intersection where 26 crashes were reported, nine of which resulted in an injury. Ten crashes were reported at the Boston Post Road and Main Street intersection, two with injuries.

Figure 6 – Reportable Crash Data (2002 – 2011)



Service Layer Credits: Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2012

CONCLUSIONS AND RECOMMENDATIONS

Intersection analyses comparing existing conditions (with Middle Street open) to proposed conditions (Middle Street closed between School Street and Main Street) show there would be a slight increase in delay at the intersections along Boston Post Road, where through traffic from Middle Street and turning traffic from School Street and Middle Street was redistributed. No intersections showed a decrease in Level of Service.

The analysis for the proposed scenario assumed that the southbound through traffic on Middle Street at its intersection with Main Street was originating at Boston Post Road and the northbound through traffic was originating at Amherst Street. This was to represent the reported concept that the traffic on Middle Street was primarily cut-through traffic avoiding Boston Post Road, which has a crossing guard controlling traffic during school hours, fewer stops but more vehicle and pedestrian traffic at its intersections, and a signalized intersection (with an actuated control) at Amherst Street. This cut-through traffic concept was supported by collected and observed data, however, the volumes on Boston Post Road were still over ten times that of Middle Street over an average weekday, and five to seven times higher during the peak hours.

In addition to vehicle volumes, there were much higher volumes of pedestrians along Boston Post Road, both near Moulton's Market and at Foundry Street. Closing a section of Middle Street to through traffic would likely increase volumes on Boston Post Road and therefore, increase the ratio of vehicles to pedestrians along Boston Post Road. More frequent stops are required on Middle Street and this appears to have a traffic calming effect, as a higher percentage of drivers currently exceed the speed limit on Boston Post Road, which requires stopping at two intersections (Main Street and Amherst Street) versus four stops on Middle Street (Church Street, School Street, Main Street, and Amherst Street).

While discontinuing Middle Street between Main Street and School Street may address one issue, it may create issues on other roads within the Village Green area, especially Boston Post Road. Whether operating under existing conditions or with the proposed closure, the town common may benefit from enhancing and/or expanding pedestrian amenities, upgrading stop controls, implementing traffic calming techniques, or increasing enforcement activities. There are several resources available to assist Amherst in employing strategies to achieve its transportation safety, quality of life, and mobility goals:

- Nashua Regional Planning Commission iTrac program
- Clark-Wilkins Elementary & Amherst Middle Schools Safe Routes to School Travel Plan May 2013
- National Center for Safe Routes to School (www.saferoutesinfo.org)
- [Traffic Calming.org](http://TrafficCalming.org)
- The Pedestrian and Bicycle Information Center (www.pedbikeinfo.org)
- Walkable and Livable Communities Institute (www.walklive.org)
- Institute of Transportation Engineers Traffic Calming Library (www.ite.org/traffic/default.asp)

APPENDIX A
Detailed Traffic Volume Reports

9 Executive Park Drive
Merrimack NH 03054

Station ID:

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	244	229
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	245	282
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	181	245
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	213	204
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	184	177
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	233	194
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	126	154
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	93	153
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	63	97
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	45	84
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	24	48
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	30
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	16
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1668	1913
Day	0		0		0		0		0		0		0		3581	
AM Peak Vol.															11:00 244	11:00 229
PM Peak Vol.															12:00 245	12:00 282

Nashua Regional Planning Commission

Boston Post Rd b/t Middle & Sunset
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354600000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	2	7	0	9	3	12	6	10	4	7	3	9	4	25	9	24
01:00	1	1	0	7	4	4	4	3	6	7	3	4	2	15	2	12
02:00	1	1	3	6	2	2	1	3	1	5	2	3	3	6	0	6
03:00	5	1	6	0	7	2	3	0	7	2	6	1	4	4	1	2
04:00	34	4	28	3	33	1	30	6	24	4	30	4	8	4	6	0
05:00	103	13	137	16	103	10	115	6	94	13	110	12	18	8	18	5
06:00	250	48	255	36	267	50	249	45	247	48	254	45	45	14	37	8
07:00	396	113	384	124	393	129	411	121	385	129	394	123	125	45	64	29
08:00	363	185	341	180	355	175	319	164	313	161	338	173	203	116	113	49
09:00	184	94	183	89	171	92	182	102	159	85	176	92	202	139	34	20
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02:00	129	228	151	232	142	265	141	253	140	266	141	249	159	188	*	*
03:00	220	234	232	247	246	213	241	231	225	240	233	233	138	208	*	*
04:00	161	295	140	315	196	334	170	321	165	310	166	315	122	206	*	*
05:00	172	434	165	387	186	382	166	368	174	381	173	390	142	186	*	*
06:00	139	245	121	290	110	300	132	278	172	260	135	275	115	157	*	*
07:00	63	211	67	197	70	209	53	190	103	179	71	197	74	120	*	*
08:00	27	135	23	137	32	147	26	123	38	105	29	129	57	99	*	*
09:00	21	84	22	92	26	81	18	97	55	202	28	111	35	77	*	*
10:00	15	40	13	48	18	57	11	52	23	90	16	57	40	73	*	*
11:00	3	28	7	20	4	29	7	27	13	39	7	29	15	46	*	*
Total	2831	2920	2821	2969	2877	3014	2825	2917	2904	3118	2852	2986	2311	2505	284	155
Day	5751		5790		5891		5742		6022		5838		4816		439	
AM Peak	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	11:00	11:00	08:00	08:00
Vol.	396	185	384	180	393	175	411	164	385	161	394	173	221	210	113	49
PM Peak	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	13:00	12:00		
Vol.	220	434	232	387	246	382	241	368	225	381	233	390	188	209		

Comb.
Total

5751

5790

5891

5742

6022

5838

4816

4020

ADT

ADT 5,471

AADT 5,471

Nashua Regional Planning Commission

Boston Post Rd south of Foundry St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01353100000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	251	301
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	190	252
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	231	210
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	206	175
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	254	196
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	143	164
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	99	153
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	64	106
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	43	83
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22	50
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	37
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	18
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1519	1745
Day	0		0		0		0		0		0		0		3264	
AM Peak Vol.																
PM Peak Vol.															16:00 254	12:00 301

Nashua Regional Planning Commission

Boston Post Rd south of Foundry St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01353100000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	3	6	0	9	3	11	6	12	3	8	3	9	6	22	10	23
01:00	2	1	1	6	4	4	4	3	6	8	3	4	2	14	2	10
02:00	1	1	3	6	2	2	1	3	0	5	1	3	2	6	1	6
03:00	4	1	5	0	8	3	3	0	6	2	5	1	5	4	2	3
04:00	34	4	34	3	39	1	38	5	27	4	34	3	9	5	6	0
05:00	110	9	143	16	108	11	116	9	104	11	116	11	18	7	17	4
06:00	257	49	264	36	273	48	256	40	248	48	260	44	48	14	44	7
07:00	405	116	399	130	407	148	423	130	420	144	411	134	140	45	68	28
08:00	347	149	340	155	351	142	331	136	309	137	336	144	213	113	128	50
09:00	198	92	192	90	190	88	189	95	188	93	191	92	224	158	65	39
10:00	137	105	133	105	136	107	148	81	167	131	144	106	228	188	*	*
11:00	185	132	168	136	175	142	160	134	195	148	177	138	240	207	*	*
12:00 PM	146	124	144	139	134	137	134	142	153	171	142	143	192	209	*	*
01:00	139	137	160	147	108	149	151	141	125	159	137	147	213	183	*	*
02:00	148	204	165	211	167	239	156	235	169	251	161	228	177	204	*	*
03:00	238	231	256	249	253	207	245	227	230	250	244	233	154	208	*	*
04:00	178	312	152	325	204	334	196	342	180	316	182	326	150	215	*	*
05:00	167	451	163	404	195	391	183	387	192	381	180	403	153	199	*	*
06:00	141	265	139	306	135	313	154	303	195	281	153	294	131	179	*	*
07:00	60	218	72	211	79	225	67	201	108	192	77	209	77	127	*	*
08:00	35	131	24	149	33	162	28	133	42	119	32	139	56	109	*	*
09:00	19	85	23	91	27	94	25	100	59	229	31	120	42	85	*	*
10:00	16	42	14	49	18	56	13	53	28	96	18	59	40	80	*	*
11:00	2	30	8	25	4	30	8	28	17	39	8	30	18	49	*	*
Total	2972	2895	3002	2998	3053	3044	3035	2940	3171	3223	3046	3020	2538	2630	343	170
Day	5867		6000		6097		5975		6394		6066		5168		513	
AM Peak	07:00	08:00	07:00	08:00	07:00	07:00	07:00	08:00	07:00	11:00	07:00	08:00	11:00	11:00	08:00	08:00
Vol.	405	149	399	155	407	148	423	136	420	148	411	144	240	207	128	50
PM Peak	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	13:00	16:00		
Vol.	238	451	256	404	253	391	245	387	230	381	244	403	213	215		

Comb.
Total

5867

6000

6097

5975

6394

6066

5168

3777

ADT

ADT 5,699

AADT 5,699

Nashua Regional Planning Commission

Boston Post Rd south of Main St
Amherst Middle St Traffic Study
October 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354500000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	239	286
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	190	254
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	208	209
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	192	166
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	256	182
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	129	161
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	132
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	57	89
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	40	76
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	43
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	34
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	17
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1439	1649
Day	0		0		0		0		0		0		0		3088	
AM Peak Vol.																
PM Peak Vol.															16:00 256	12:00 286

Nashua Regional Planning Commission

Boston Post Rd south of Main St
Amherst Middle St Traffic Study
October 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354500000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	2	3	0	9	3	11	3	12	4	8	2	9	6	25	9	22
01:00	2	1	1	5	3	2	4	1	5	8	3	3	3	15	3	8
02:00	1	1	3	7	2	3	2	3	0	4	2	4	2	7	1	6
03:00	3	1	5	0	7	3	3	1	6	2	5	1	3	3	2	3
04:00	35	4	36	4	41	1	39	5	25	4	35	4	8	4	6	0
05:00	110	12	140	17	106	14	112	11	103	11	114	13	19	8	18	5
06:00	237	47	249	36	264	43	243	35	234	46	245	41	43	13	30	9
07:00	419	119	398	131	411	152	415	149	409	137	410	138	135	42	61	24
08:00	333	159	337	175	331	159	312	161	318	147	326	160	208	116	107	47
09:00	196	100	188	100	180	99	174	107	188	101	185	101	201	149	103	64
10:00	126	111	135	108	140	131	158	91	147	155	141	119	237	194	*	*
11:00	191	174	178	166	157	178	160	168	215	192	180	176	240	211	*	*
12:00 PM	158	144	162	154	157	150	148	163	160	170	157	156	197	215	*	*
01:00	133	138	154	157	129	146	154	163	135	169	141	155	214	212	*	*
02:00	166	230	161	241	171	262	162	257	152	278	162	254	182	216	*	*
03:00	228	246	248	256	249	212	237	260	228	260	238	247	160	210	*	*
04:00	179	300	159	319	195	323	199	332	173	310	181	317	146	196	*	*
05:00	155	437	172	392	197	387	178	394	192	370	179	396	147	200	*	*
06:00	139	284	130	329	144	308	145	303	190	266	150	298	112	164	*	*
07:00	68	226	64	213	72	223	59	194	108	195	74	210	62	110	*	*
08:00	52	128	49	136	39	155	36	126	41	109	43	131	57	96	*	*
09:00	18	77	27	84	28	86	24	96	57	224	31	113	38	83	*	*
10:00	17	48	13	48	17	54	15	44	27	84	18	56	31	69	*	*
11:00	2	26	6	22	5	30	7	29	15	37	7	29	17	46	*	*
Total	2970	3016	3015	3109	3048	3132	2989	3105	3132	3287	3029	3131	2468	2604	340	188
Day	5986		6124		6180		6094		6419		6160		5072		528	
AM Peak	07:00	11:00	07:00	08:00	07:00	11:00	07:00	11:00	07:00	11:00	07:00	11:00	11:00	11:00	08:00	09:00
Vol.	419	174	398	175	411	178	415	168	409	192	410	176	240	211	107	64
PM Peak	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	17:00	13:00	14:00		
Vol.	228	437	248	392	249	387	237	394	228	370	238	396	214	216		

Comb.
Total

5986

6124

6180

6094

6419

6160

5072

3616

ADT

ADT 5,736

AADT 5,736

Nashua Regional Planning Commission

Middle St south of Boston Post Rd
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 13539000000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	26
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	15
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	15
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	12
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	6
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	16
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	4
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	6
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	2
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	103
Day	0		0		0		0		0		0		0		155	
AM Peak Vol.																
PM Peak Vol.															14:00 14	13:00 26

Nashua Regional Planning Commission

Middle St south of Boston Post Rd
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 13539000000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	0	1	0	0	0	0	0	0	1	0	0	0	0	2	0	2
01:00	0	0	0	1	0	0	0	0	0	1	0	0	0	2	0	2
02:00	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
03:00	1	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0
04:00	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
05:00	1	2	0	2	0	0	1	0	1	2	1	1	0	1	2	1
06:00	4	0	3	2	2	3	5	3	2	0	3	2	2	0	1	0
07:00	19	14	15	9	22	12	17	16	22	14	19	13	3	2	2	2
08:00	47	40	33	35	49	40	39	36	34	21	40	34	9	12	3	5
09:00	8	13	19	10	12	19	11	19	8	11	12	14	6	19	1	2
10:00	15	17	5	7	10	11	13	19	7	14	10	14	11	24	*	*
11:00	17	17	8	21	9	11	8	24	14	17	11	18	4	17	*	*
12:00 PM	4	26	11	18	8	21	9	19	8	12	8	19	15	19	*	*
01:00	7	10	8	13	9	20	11	15	14	12	10	14	14	12	*	*
02:00	9	22	9	24	14	29	13	18	3	28	10	24	12	22	*	*
03:00	17	25	19	14	18	17	24	21	26	8	21	17	5	20	*	*
04:00	11	19	4	21	9	23	11	21	6	22	8	21	3	12	*	*
05:00	9	26	5	28	7	31	4	31	3	27	6	29	4	18	*	*
06:00	7	15	5	15	3	22	6	18	7	14	6	17	7	7	*	*
07:00	9	9	4	9	1	12	3	5	3	3	4	8	5	4	*	*
08:00	1	15	0	4	0	5	1	5	1	2	1	6	5	4	*	*
09:00	1	4	1	9	2	3	1	7	1	7	1	6	3	2	*	*
10:00	0	3	0	0	0	5	0	0	0	1	0	2	2	1	*	*
11:00	1	1	0	0	0	1	0	4	0	1	0	1	0	2	*	*
Total	189	279	150	242	176	286	178	282	163	217	172	260	110	202	10	14
Day	468		392		462		460		380		432		312		24	
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	10:00	10:00	08:00	08:00
Vol.	47	40	33	35	49	40	39	36	34	21	40	34	11	24	3	5
PM Peak	15:00	12:00	15:00	17:00	15:00	17:00	15:00	17:00	15:00	14:00	15:00	17:00	12:00	14:00		
Vol.	17	26	19	28	18	31	24	31	26	28	21	29	15	22		

Comb. Total 468 392 462 460 380 432 312 179

ADT ADT 391 AADT 391

Nashua Regional Planning Commission

Middle At north of Main St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354100000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23	8
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	7
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	6
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	3
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	11
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	2
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	3
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	41
Day	0		0		0		0		0		0		0		110	
AM Peak Vol.																
PM Peak Vol.															14:00 23	18:00 11

Middle At north of Main St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354100000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	0	1	0	0	0	0	0	0	1	0	0	0	0	2	0	2
01:00	0	0	0	1	0	0	0	0	0	2	0	1	0	2	1	0
02:00	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0
03:00	1	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0
04:00	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
05:00	1	2	1	2	0	1	1	1	1	1	1	1	0	1	2	1
06:00	9	3	3	3	4	5	7	5	6	4	6	4	2	0	0	0
07:00	21	14	19	15	19	12	23	19	27	23	22	17	4	3	1	3
08:00	56	36	46	33	50	44	54	31	34	25	48	34	14	12	7	4
09:00	15	14	15	12	14	19	9	15	14	15	13	15	15	23	*	*
10:00	24	18	9	13	15	10	19	13	9	11	15	13	21	20	*	*
11:00	27	14	23	20	18	15	13	17	20	15	20	16	11	16	*	*
12:00 PM	20	17	23	22	18	12	29	14	23	18	23	17	17	16	*	*
01:00	19	11	15	17	15	16	25	19	20	11	19	15	12	13	*	*
02:00	15	24	18	19	21	28	22	14	12	33	18	24	21	15	*	*
03:00	26	21	29	14	28	13	29	18	33	10	29	15	39	21	*	*
04:00	29	14	20	21	24	14	32	24	15	17	24	18	17	5	*	*
05:00	19	18	12	12	13	17	13	21	6	15	13	17	4	12	*	*
06:00	6	8	8	11	11	12	13	15	10	15	10	12	6	5	*	*
07:00	7	5	2	7	4	10	7	4	8	3	6	6	5	3	*	*
08:00	4	9	4	0	2	1	10	2	2	2	4	3	5	2	*	*
09:00	1	0	3	2	3	1	0	2	3	2	2	1	4	0	*	*
10:00	1	1	0	0	0	2	0	0	1	2	0	1	2	2	*	*
11:00	1	0	0	0	0	1	0	0	0	0	0	0	1	1	*	*
Total	303	230	251	224	260	234	307	235	247	224	274	230	200	175	11	10
Day	533		475		494		542		471		504		375		21	
AM Peak	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	10:00	09:00	08:00	08:00
Vol.	56	36	46	33	50	44	54	31	34	25	48	34	21	23	7	4
PM Peak	16:00	14:00	15:00	12:00	15:00	14:00	16:00	16:00	15:00	14:00	15:00	14:00	15:00	15:00		
Vol.	29	24	29	22	28	28	32	24	33	33	29	24	39	21		

Comb.
Total

533

475

494

542

471

504

375

131

ADT

ADT 455

AADT 455

Nashua Regional Planning Commission

Middle St north of Cross St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354200000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb	sb	nb
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	38	3
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	11
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23	14
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	7
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	8
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4	0
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	8
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	1
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	52
Day	0		0		0		0		0		0		0		165	
AM Peak Vol.																
PM Peak Vol.															14:00 38	16:00 14

Nashua Regional Planning Commission

Main St east of Boston Post Rd
Town: Amherst
Middle Street Traffic Study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354000000000000000
Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	27	11
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35	5
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23	13
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	25	20
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16	5
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	7
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	0
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	4
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	2
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	0
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	153	67
Day	0		0		0		0		0		0		0		220	
AM Peak Vol.																
PM Peak Vol.															14:00 35	16:00 20

Nashua Regional Planning Commission

Main St east of Boston Post Rd
Town: Amherst
Middle Street Traffic Study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354000000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	0
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1
03:00	0	0	0	0	1	0	0	0	2	0	1	0	1	0	0	0
04:00	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0
05:00	2	0	1	0	2	0	2	0	4	1	2	0	0	0	2	0
06:00	6	3	6	2	9	7	5	2	10	3	7	3	1	1	1	1
07:00	19	8	20	15	17	13	26	17	26	20	22	15	13	10	1	3
08:00	41	22	35	20	39	23	42	21	31	25	38	22	20	26	12	6
09:00	15	16	22	10	32	23	23	9	15	11	21	14	33	14	14	4
10:00	15	9	14	15	17	11	17	20	20	11	17	13	21	12	*	*
11:00	25	17	40	18	26	21	39	31	33	12	33	20	28	12	*	*
12:00 PM	21	21	26	20	38	27	38	23	25	17	30	22	35	13	*	*
01:00	22	10	20	16	21	8	32	21	19	8	23	13	32	16	*	*
02:00	16	14	26	12	24	15	20	13	29	9	23	13	14	18	*	*
03:00	12	9	19	18	10	12	22	20	13	14	15	15	24	20	*	*
04:00	25	13	25	22	23	26	27	32	19	18	24	22	17	12	*	*
05:00	20	16	27	29	16	21	22	31	31	16	23	23	25	12	*	*
06:00	15	4	15	20	21	11	22	17	25	14	20	13	7	5	*	*
07:00	10	6	9	4	16	4	14	1	8	8	11	5	6	4	*	*
08:00	4	3	6	3	0	5	3	1	3	1	3	3	2	2	*	*
09:00	0	0	1	0	1	3	5	2	3	2	2	1	5	1	*	*
10:00	3	1	2	0	3	0	1	1	3	2	2	1	3	0	*	*
11:00	1	0	1	0	0	1	2	0	0	0	1	0	1	0	*	*
Total	273	172	316	224	318	231	363	262	319	192	319	218	293	179	31	15
Day	445		540		549		625		511		537		472		46	
AM Peak	08:00	08:00	11:00	08:00	08:00	08:00	08:00	11:00	11:00	08:00	08:00	08:00	09:00	08:00	09:00	08:00
Vol.	41	22	40	20	39	23	42	31	33	25	38	22	33	26	14	6
PM Peak	16:00	12:00	17:00	17:00	12:00	12:00	12:00	16:00	17:00	16:00	12:00	17:00	12:00	15:00		
Vol.	25	21	27	29	38	27	38	32	31	18	30	23	35	20		

Comb.
Total

445

540

549

625

511

537

472

266

ADT

ADT 506

AADT 506

9 Executive Park Drive
Merrimack NH 03054

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun		
	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	247	160	
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	261	257	
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	173	232	
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	212	206	
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	181	194	
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	202	199	
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	150	188	
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	110	143	
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	89	128	
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	54	107	
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	32	50	
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21	46	
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	21	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1745	1931	
Day	0		0		0		0		0		0		0		3676		
AM Peak																11:00	11:00
Vol.																247	160
PM Peak																12:00	12:00
Vol.																261	257

Nashua Regional Planning Commission

Amherst St east of Middle St
Town: Amherst
Middle St traffic study
October, 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354300000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb	eb	wb
12:00 AM	9	20	4	13	7	16	5	12	9	10	7	14	10	23	18	25
01:00	5	9	5	6	6	4	6	13	4	11	5	9	15	21	12	13
02:00	3	2	6	3	5	9	10	2	6	5	6	4	8	7	4	6
03:00	7	4	7	2	12	4	3	3	9	7	8	4	7	4	3	7
04:00	33	7	21	4	24	6	28	8	24	6	26	6	6	5	11	3
05:00	63	19	78	29	63	22	68	24	58	24	66	24	30	14	20	8
06:00	186	76	207	68	202	92	200	78	200	84	199	80	49	28	39	33
07:00	319	178	316	173	330	147	346	177	348	177	332	170	108	76	64	39
08:00	283	195	282	210	277	235	271	222	245	204	272	213	178	172	23	14
09:00	169	155	195	151	178	131	199	140	177	160	184	147	208	173	*	*
10:00	162	126	142	147	169	154	162	120	166	180	160	145	271	217	*	*
11:00	178	177	177	186	184	202	187	163	206	182	186	182	246	235	*	*
12:00 PM	145	189	194	170	145	175	185	212	162	165	166	182	224	236	*	*
01:00	145	164	201	224	176	161	164	211	184	182	174	188	240	236	*	*
02:00	178	204	225	249	191	225	217	259	196	245	201	236	204	237	*	*
03:00	201	248	241	254	230	229	228	294	224	268	225	259	231	230	*	*
04:00	188	250	188	333	190	309	221	324	212	291	200	301	177	201	*	*
05:00	189	380	218	385	209	363	231	369	178	301	205	360	153	180	*	*
06:00	126	225	177	248	144	237	173	273	150	235	154	244	129	163	*	*
07:00	91	144	80	170	87	156	83	159	95	158	87	157	90	122	*	*
08:00	73	110	74	90	61	127	60	118	59	98	65	109	73	95	*	*
09:00	33	72	35	92	49	88	40	87	65	110	44	90	51	91	*	*
10:00	27	53	23	59	33	63	40	52	60	70	37	59	52	77	*	*
11:00	10	30	5	29	16	28	20	41	34	50	17	36	26	60	*	*
Total	2823	3037	3101	3295	2988	3183	3147	3361	3071	3223	3026	3219	2786	2903	194	148
Day	5860		6396		6171		6508		6294		6245		5689		342	
AM Peak	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	07:00	08:00	10:00	11:00	07:00	07:00
Vol.	319	195	316	210	330	235	346	222	348	204	332	213	271	235	64	39
PM Peak	15:00	17:00	15:00	17:00	15:00	17:00	17:00	17:00	15:00	17:00	15:00	17:00	13:00	14:00		
Vol.	201	380	241	385	230	363	231	369	224	301	225	360	240	237		

Comb.
Total

5860

6396

6171

6508

6294

6245

5689

4018

ADT

ADT 5,945

AADT 5,945

9 Executive Park Drive
Merrimack NH 03054

Station ID:

Start Time	23-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun		
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	
12:00 AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	135	160	
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	155	130	
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	140	164	
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	113	165	
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	135	162	
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	128	150	
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	107	158	
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	113	155	
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	79	119	
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	68	116	
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	46	89	
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	31	37	
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	33	
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	15	
Total Day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1284	1653	
AM Peak Vol.																11:00 155	10:00 160
PM Peak Vol.																12:00 140	13:00 165

Nashua Regional Planning Commission

Amherst St west of Boston Post Rd
Amherst Middle St Traffic Study
October 2013

9 Executive Park Drive
Merrimack NH 03054

Site Code: 01354400000000000000

Station ID:

Latitude: 0' 0.000 Undefined

Start Time	30-Sep-13		Tue		Wed		Thu		Fri		Weekday Average		Sat		Sun	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	6	15	4	11	3	13	6	10	6	7	5	11	9	19	10	17
01:00	5	8	4	5	6	4	4	13	3	8	4	8	17	15	9	12
02:00	2	2	5	3	4	6	9	1	5	3	5	3	8	4	4	7
03:00	5	3	6	2	7	1	3	3	6	6	5	3	4	3	3	6
04:00	26	3	18	3	23	3	20	6	19	5	21	4	6	3	7	2
05:00	50	13	68	18	58	16	57	17	47	18	56	16	30	7	17	5
06:00	174	58	198	55	177	64	182	58	177	55	182	58	38	21	28	23
07:00	289	112	289	100	301	93	306	117	299	101	297	105	96	54	52	27
08:00	194	117	208	110	196	141	192	122	183	136	195	125	141	105	63	53
09:00	128	98	165	102	141	81	166	106	151	100	150	97	160	122	113	51
10:00	127	92	115	120	135	103	115	86	128	116	124	103	184	141	0	0
11:00	130	124	135	141	139	156	145	120	143	126	138	133	200	159	*	*
12:00 PM	103	119	141	121	95	115	144	157	119	118	120	126	177	156	*	*
01:00	114	126	148	162	129	118	113	137	138	136	128	136	145	163	*	*
02:00	128	149	173	162	137	166	148	183	146	157	146	163	161	151	*	*
03:00	140	186	177	207	166	197	175	204	142	209	160	201	141	156	*	*
04:00	123	195	138	257	157	254	162	248	176	223	151	235	140	156	*	*
05:00	145	288	170	322	163	290	196	279	147	245	164	285	121	141	*	*
06:00	104	195	136	180	120	209	144	225	127	166	126	195	103	135	*	*
07:00	74	124	68	118	66	117	63	128	82	134	71	124	72	105	*	*
08:00	47	87	72	89	55	106	41	109	57	89	54	96	51	79	*	*
09:00	26	58	24	74	36	81	29	60	54	99	34	74	34	71	*	*
10:00	18	39	21	48	25	52	38	42	61	46	33	45	46	64	*	*
11:00	9	23	5	25	14	24	17	32	25	38	14	28	26	49	*	*
Total	2167	2234	2488	2435	2353	2410	2475	2463	2441	2341	2383	2374	2110	2079	306	203
Day	4401		4923		4763		4938		4782		4757		4189		509	
AM Peak	07:00	11:00	07:00	11:00	07:00	11:00	07:00	08:00	07:00	08:00	07:00	11:00	11:00	11:00	09:00	08:00
Vol.	289	124	289	141	301	156	306	122	299	136	297	133	200	159	113	53
PM Peak	17:00	17:00	15:00	17:00	15:00	17:00	17:00	17:00	16:00	17:00	17:00	17:00	12:00	13:00		
Vol.	145	288	177	322	166	290	196	279	176	245	164	285	177	163		

Comb.
Total

4401

4923

4763

4938

4782

4757

4189

3446

ADT

ADT 4,460

AADT 4,460

APPENDIX B

Detailed speed data by direction and speed category

Table B.1 - Morning Peak Hour Speeds

BOSTON POST ROAD (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Sunset Av & Middle St	NB	173	8:00 AM	10.4%	15.6%	37.0%	27.2%	9.2%	0.6%	0.0%	0.0%
	SB	394	7:00 AM	1.3%	1.8%	14.5%	55.2%	25.7%	1.3%	0.3%	0.0%
	Both	517	7:00 AM	2.7%	2.1%	14.9%	53.0%	25.5%	1.5%	0.2%	0.0%
Foundry St & Carriage Rd	NB	144	8:00 AM	28.7%	17.5%	25.9%	23.8%	4.2%	0.0%	0.0%	0.0%
	SB	411	7:00 AM	4.1%	7.3%	37.8%	44.1%	6.3%	0.2%	0.0%	0.0%
	Both	544	7:00 AM	5.0%	6.3%	35.3%	45.8%	7.5%	0.2%	0.0%	0.0%
Main St & Amherst St	NB	176	11:00 AM	5.7%	8.5%	35.8%	41.5%	8.0%	0.6%	0.0%	0.0%
	SB	410	7:00 AM	1.9%	1.5%	17.8%	54.5%	23.1%	1.2%	0.0%	0.0%
	Both	548	7:00 AM	3.3%	3.3%	23.7%	50.2%	18.6%	0.9%	0.0%	0.0%
MIDDLE STREET (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Boston Post Rd & Church St	NB	34	8:00 AM	5.9%	23.5%	52.9%	17.6%	0.0%	0.0%	0.0%	0.0%
	SB	40	8:00 AM	5.0%	32.5%	42.5%	17.5%	2.5%	0.0%	0.0%	0.0%
	Both	75	8:00 AM	6.7%	28.0%	46.7%	17.3%	1.3%	0.0%	0.0%	0.0%
School St & Main St	NB	34	8:00 AM	57.6%	42.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	SB	48	8:00 AM	64.6%	33.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	Both	82	8:00 AM	61.7%	37.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Main St & Amherst St	NB	30	8:00 AM	17.2%	24.1%	27.6%	27.6%	3.4%	0.0%	0.0%	0.0%
	SB	42	8:00 AM	16.3%	20.9%	34.9%	20.9%	7.0%	0.0%	0.0%	0.0%
	Both	72	8:00 AM	16.7%	22.2%	31.9%	23.6%	5.6%	0.0%	0.0%	0.0%

Table B.1 - Morning Peak Hour Speeds *(continued)*

MAIN STREET (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Boston Post Rd & Middle St	EB	38	8:00 AM	21.6%	37.8%	29.7%	10.8%	0.0%	0.0%	0.0%	0.0%
	WB	22	8:00 AM	22.7%	40.9%	31.8%	4.5%	0.0%	0.0%	0.0%	0.0%
	Both	60	8:00 AM	22.0%	40.7%	30.5%	6.8%	0.0%	0.0%	0.0%	0.0%
AMHERST STREET (35 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit					Above Speed Limit		
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Courthouse Rd & Middle St	EB	332	7:00 AM	3.9%	0.6%	7.3%	11.8%	35.6%	35.0%	5.4%	0.3%
	WB	213	8:00 AM	7.5%	7.0%	16.4%	21.0%	30.8%	15.4%	1.4%	0.5%
	Both	502	7:00 AM	5.6%	1.8%	8.9%	13.9%	35.1%	29.8%	4.8%	0.2%
Boston Post Rd & Knight St	EB	297	7:00 AM	3.7%	2.4%	7.4%	29.1%	40.9%	14.9%	1.7%	0.0%
	WB	133	11:00 AM	2.3%	0.0%	0.0%	9.8%	47.4%	34.6%	6.0%	0.0%
	Both	401	7:00 AM	3.5%	1.7%	5.7%	23.2%	41.9%	21.2%	2.7%	0.0%

Table B.2 – Afternoon Peak Hour Speeds

BOSTON POST ROAD (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Sunset Av & Middle St	NB	390	5:00 PM	2.3%	1.3%	5.9%	42.2%	44.0%	4.3%	0.0%	0.0%
	SB	233	3:00 PM	6.9%	9.9%	20.6%	39.5%	21.0%	2.1%	0.0%	0.0%
	Both	563	5:00 PM	2.8%	1.4%	6.0%	43.0%	42.5%	4.3%	0.0%	0.0%
Foundry St & Carriage Rd	NB	403	5:00 PM	3.0%	1.0%	17.9%	54.3%	23.1%	0.7%	0.0%	0.0%
	SB	244	3:00 PM	11.9%	13.1%	29.1%	36.1%	9.4%	0.4%	0.0%	0.0%
	Both	583	5:00 PM	3.9%	1.5%	18.9%	52.8%	22.1%	0.7%	0.0%	0.0%
Main St & Amherst St	NB	396	5:00 PM	9.9%	16.7%	40.0%	30.1%	3.3%	0.0%	0.0%	0.0%
	SB	238	3:00 PM	3.4%	3.4%	24.4%	48.3%	19.3%	1.3%	0.0%	0.0%
	Both	575	5:00 PM	8.2%	11.8%	31.7%	36.9%	10.5%	0.9%	0.0%	0.0%
MIDDLE STREET (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Boston Post Rd & Church St	NB	29	5:00 PM	6.9%	20.7%	48.3%	20.7%	3.4%	0.0%	0.0%	0.0%
	SB	21	3:00 PM	4.8%	38.1%	42.9%	14.3%	0.0%	0.0%	0.0%	0.0%
	Both	38	3:00 PM	2.7%	32.4%	45.9%	18.9%	0.0%	0.0%	0.0%	0.0%
School St & Main St	NB	24	2:00 PM	34.8%	60.9%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%
	SB	29	3:00 PM	65.5%	34.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Both	44	3:00 PM	59.1%	38.6%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Main St & Amherst St	NB	18	2:00 PM	5.9%	23.5%	23.5%	35.3%	11.8%	0.0%	0.0%	0.0%
	SB	29	3:00 PM	3.4%	24.1%	31.0%	31.0%	10.3%	0.0%	0.0%	0.0%
	Both	44	4:00 PM	6.7%	13.3%	31.1%	42.2%	6.7%	0.0%	0.0%	0.0%

Table B.2 – Afternoon Peak Hour Speeds *(continued)*

MAIN STREET (25 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit			Above Speed Limit				
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Boston Post Rd & Middle St	EB	30	12:00 PM	13.3%	50.0%	26.7%	10.0%	0.0%	0.0%	0.0%	0.0%
	WB	23	5:00 PM	13.6%	40.9%	40.9%	4.5%	0.0%	0.0%	0.0%	0.0%
	Both	51	12:00 PM	19.2%	50.0%	25.0%	5.8%	0.0%	0.0%	0.0%	0.0%
AMHERST STREET (35 mph)											
Between	Direction	Peak Volume	Peak Hour	At or Below Speed Limit					Above Speed Limit		
				1-15 mph	16-20 mph	21-25 mph	26-30 mph	31-35 mph	36-40 mph	41-45 mph	46-50 mph
Courthouse Rd & Middle St	EB	225	3:00 PM	3.1%	1.3%	5.4%	9.9%	33.6%	41.3%	5.4%	0.0%
	WB	360	5:00 PM	1.9%	1.9%	7.2%	18.9%	47.4%	20.6%	1.9%	0.0%
	Both	565	5:00 PM	2.8%	1.4%	6.0%	14.7%	43.3%	27.9%	3.7%	0.2%
Boston Post Rd & Knight St	EB	164	5:00 PM	1.8%	0.0%	3.1%	20.9%	45.4%	26.4%	2.5%	0.0%
	WB	285	5:00 PM	1.1%	0.0%	0.4%	4.6%	45.6%	43.2%	4.9%	0.4%
	Both	449	5:00 PM	1.3%	0.0%	1.6%	10.5%	45.4%	37.0%	4.0%	0.2%

APPENDIX C
Detailed Turning Movement Count Reports

Nashua Regional Planning Commission

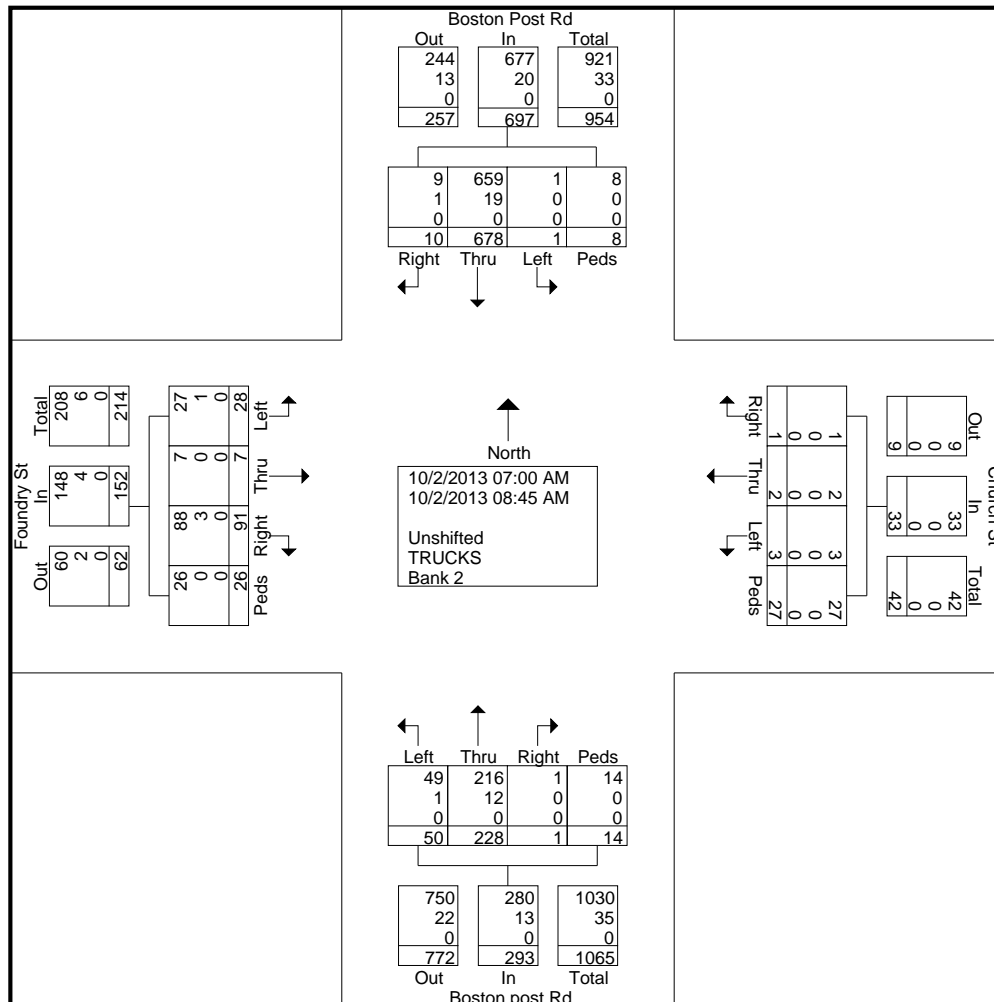
9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Foundry St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_FoundrySt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	Boston Post Rd From North					Church St From East					Boston post Rd From South					Foundry St From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	125	0	0	125	0	0	0	0	0	0	18	3	0	21	14	1	0	0	15	161
07:15 AM	2	105	0	0	107	0	0	1	0	1	0	27	4	0	31	9	0	0	2	11	150
07:30 AM	1	85	0	1	87	0	0	0	0	0	1	34	9	0	44	8	0	0	0	8	139
07:45 AM	3	64	0	0	67	0	0	1	1	2	0	44	14	1	59	4	0	4	0	8	136
Total	6	379	0	1	386	0	0	2	1	3	1	123	30	1	155	35	1	4	2	42	586
08:00 AM	1	73	0	1	75	0	0	0	21	21	0	41	10	12	63	11	0	4	4	19	178
08:15 AM	2	95	0	5	102	0	1	0	4	5	0	27	1	1	29	29	4	13	10	56	192
08:30 AM	0	80	1	0	81	0	0	0	1	1	0	16	8	0	24	12	0	4	10	26	132
08:45 AM	1	51	0	1	53	1	1	1	0	3	0	21	1	0	22	4	2	3	0	9	87
Total	4	299	1	7	311	1	2	1	26	30	0	105	20	13	138	56	6	24	24	110	589
Grand Total	10	678	1	8	697	1	2	3	27	33	1	228	50	14	293	91	7	28	26	152	1175
Apprch %	1.4	97.3	0.1	1.1		3	6.1	9.1	81.8		0.3	77.8	17.1	4.8		59.9	4.6	18.4	17.1		
Total %	0.9	57.7	0.1	0.7	59.3	0.1	0.2	0.3	2.3	2.8	0.1	19.4	4.3	1.2	24.9	7.7	0.6	2.4	2.2	12.9	
Unshifted	9	659	1	8	677	1	2	3	27	33	1	216	49	14	280	88	7	27	26	148	1138
% Unshifted	90	97.2	100	100	97.1	100	100	100	100	100	100	94.7	98	100	95.6	96.7	100	96.4	100	97.4	96.9
TRUCKS	1	19	0	0	20	0	0	0	0	0	0	12	1	0	13	3	0	1	0	4	37
% TRUCKS	10	2.8	0	0	2.9	0	0	0	0	0	0	5.3	2	0	4.4	3.3	0	3.6	0	2.6	3.1
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Foundry St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_FoundrySt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 2

	Boston Post Rd From North					Church St From East					Boston post Rd From South					Foundry St From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	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 07:30 AM																					
07:30 AM	1	85	0	1	87	0	0	0	0	0	1	34	9	0	44	8	0	0	0	8	139
07:45 AM	3	64	0	0	67	0	0	1	1	2	0	44	14	1	59	4	0	4	0	8	136
08:00 AM	1	73	0	1	75	0	0	0	21	21	0	41	10	12	63	11	0	4	4	19	178
08:15 AM	2	95	0	5	102	0	1	0	4	5	0	27	1	1	29	29	4	13	10	56	192
Total Volume	7	317	0	7	331	0	1	1	26	28	1	146	34	14	195	52	4	21	14	91	645
% App. Total	2.1	95.8	0	2.1		0	3.6	3.6	92.9		0.5	74.9	17.4	7.2		57.1	4.4	23.1	15.4		
PHF	.583	.834	.000	.350	.811	.000	.250	.250	.310	.333	.250	.830	.607	.292	.774	.448	.250	.404	.350	.406	.840

Nashua Regional Planning Commission

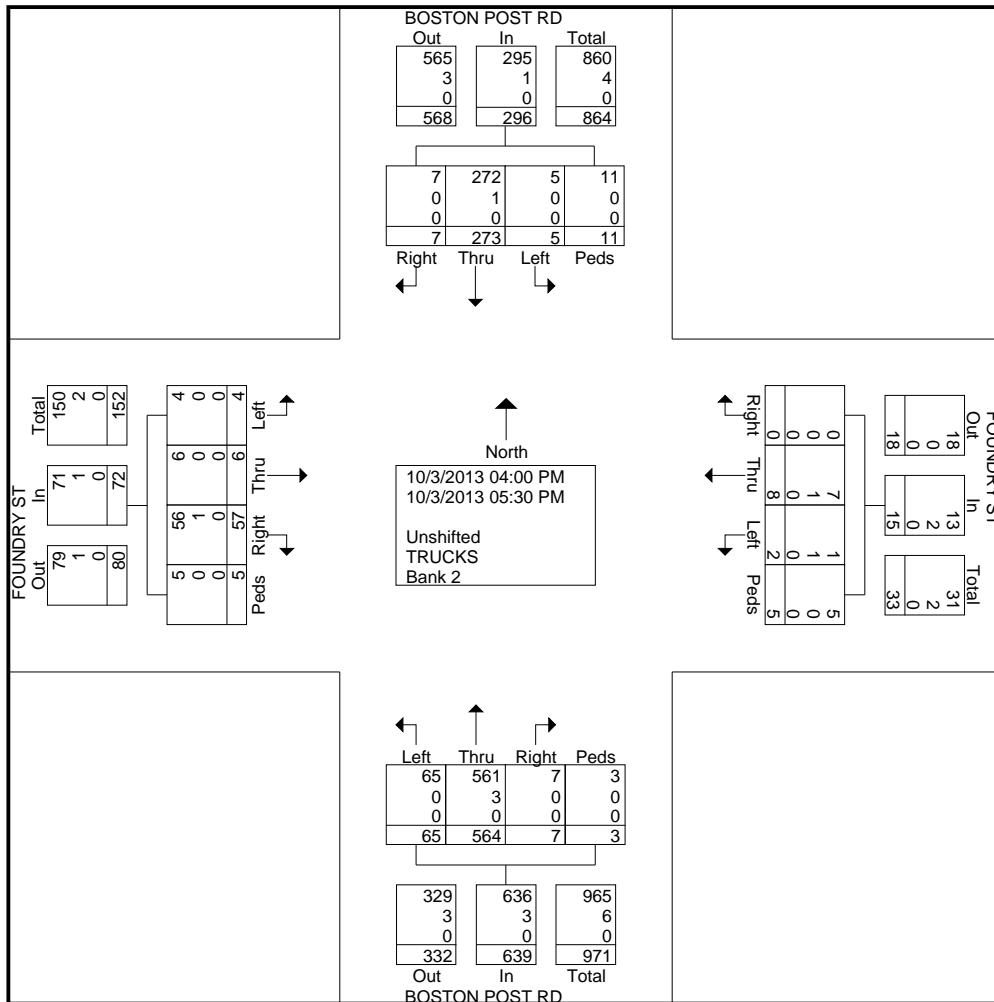
9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Foundry St PM
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : BostonPost Rd_FoundrySt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	BOSTON POST RD From North					FOUNDRY ST From East					BOSTON POST RD From South					FOUNDRY ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	1	38	0	0	39	0	0	1	1	2	0	83	2	1	86	7	1	0	0	8	135
04:15 PM	0	29	0	1	30	0	2	1	1	4	3	69	13	2	87	13	3	2	2	20	141
04:30 PM	1	49	0	3	53	0	0	0	0	0	0	76	13	0	89	6	0	0	0	6	148
04:45 PM	2	41	0	1	44	0	0	0	2	2	1	86	5	0	92	10	1	0	0	11	149
Total	4	157	0	5	166	0	2	2	4	8	4	314	33	3	354	36	5	2	2	45	573
05:00 PM	2	39	1	1	43	0	1	0	0	1	1	68	9	0	78	7	0	0	0	7	129
05:15 PM	0	41	1	2	44	0	5	0	1	6	2	97	8	0	107	9	1	2	1	13	170
05:30 PM	1	36	3	3	43	0	0	0	0	0	0	85	15	0	100	5	0	0	2	7	150
Grand Total	7	273	5	11	296	0	8	2	5	15	7	564	65	3	639	57	6	4	5	72	1022
Apprch %	2.4	92.2	1.7	3.7		0	53.3	13.3	33.3		1.1	88.3	10.2	0.5		79.2	8.3	5.6	6.9		
Total %	0.7	26.7	0.5	1.1	29	0	0.8	0.2	0.5	1.5	0.7	55.2	6.4	0.3	62.5	5.6	0.6	0.4	0.5	7	
Unshifted	7	272	5	11	295	0	7	1	5	13	7	561	65	3	636	56	6	4	5	71	1015
% Unshifted	100	99.6	100	100	99.7	0	87.5	50	100	86.7	100	99.5	100	100	99.5	98.2	100	100	100	98.6	99.3
TRUCKS	0	1	0	0	1	0	1	1	0	2	0	3	0	0	3	1	0	0	0	1	7
% TRUCKS	0	0.4	0	0	0.3	0	12.5	50	0	13.3	0	0.5	0	0	0.5	1.8	0	0	0	1.4	0.7
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Foundry St PM
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : BostonPost Rd_FoundrySt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 2

	BOSTON POST RD From North					FOUNDRY ST From East					BOSTON POST RD From South					FOUNDRY ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	2	41	0	1	44	0	0	0	2	2	1	86	5	0	92	10	1	0	0	11	149
05:00 PM	2	39	1	1	43	0	1	0	0	1	1	68	9	0	78	7	0	0	0	7	129
05:15 PM	0	41	1	2	44	0	5	0	1	6	2	97	8	0	107	9	1	2	1	13	170
05:30 PM	1	36	3	3	43	0	0	0	0	0	0	85	15	0	100	5	0	0	2	7	150
Total Volume	5	157	5	7	174	0	6	0	3	9	4	336	37	0	377	31	2	2	3	38	598
% App. Total	2.9	90.2	2.9	4		0	66.7	0	33.3		1.1	89.1	9.8	0		81.6	5.3	5.3	7.9		
PHF	.625	.957	.417	.583	.989	.000	.300	.000	.375	.375	.500	.866	.617	.000	.881	.775	.500	.250	.375	.731	.879

Nashua Regional Planning Commission

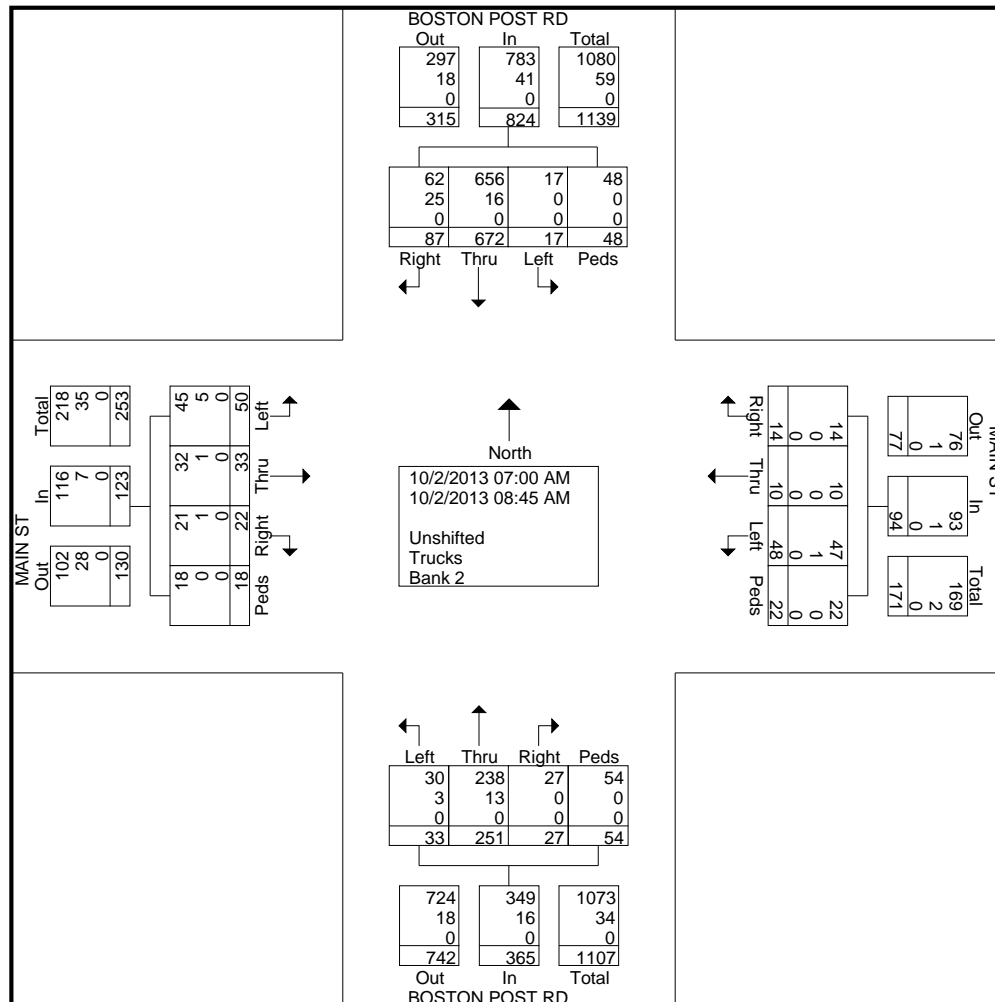
9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Main St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_MainSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 1

Groups Printed- Unshifted - Trucks - Bank 2

	BOSTON POST RD From North					MAIN ST From East					BOSTON POST RD From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	6	124	1	8	139	0	1	11	1	13	0	21	2	6	29	3	3	1	1	8	189
07:15 AM	2	113	2	2	119	1	0	3	1	5	2	26	1	3	32	2	4	5	0	11	167
07:30 AM	5	85	3	9	102	2	0	1	1	4	5	42	1	8	56	1	2	3	0	6	168
07:45 AM	8	61	1	7	77	2	2	5	4	13	5	54	5	11	75	4	2	9	1	16	181
Total	21	383	7	26	437	5	3	20	7	35	12	143	9	28	192	10	11	18	2	41	705
08:00 AM	7	70	4	3	84	3	2	8	4	17	4	44	11	10	69	1	6	15	10	32	202
08:15 AM	35	84	4	11	134	3	1	7	1	12	4	24	9	7	44	6	9	7	4	26	216
08:30 AM	15	94	1	7	117	2	3	8	5	18	7	20	1	8	36	4	5	5	2	16	187
08:45 AM	9	41	1	1	52	1	1	5	5	12	0	20	3	1	24	1	2	5	0	8	96
Total	66	289	10	22	387	9	7	28	15	59	15	108	24	26	173	12	22	32	16	82	701
Grand Total	87	672	17	48	824	14	10	48	22	94	27	251	33	54	365	22	33	50	18	123	1406
Apprch %	10.6	81.6	2.1	5.8		14.9	10.6	51.1	23.4		7.4	68.8	9	14.8		17.9	26.8	40.7	14.6		
Total %	6.2	47.8	1.2	3.4	58.6	1	0.7	3.4	1.6	6.7	1.9	17.9	2.3	3.8	26	1.6	2.3	3.6	1.3	8.7	
Unshifted	62	656	17	48	783	14	10	47	22	93	27	238	30	54	349	21	32	45	18	116	1341
% Unshifted	71.3	97.6	100	100	95	100	100	97.9	100	98.9	100	94.8	90.9	100	95.6	95.5	97	90	100	94.3	95.4
Trucks	25	16	0	0	41	0	0	1	0	1	0	13	3	0	16	1	1	5	0	7	65
% Trucks	28.7	2.4	0	0	5	0	0	2.1	0	1.1	0	5.2	9.1	0	4.4	4.5	3	10	0	5.7	4.6
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Main St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_MainSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 2

	BOSTON POST RD From North					MAIN ST From East					BOSTON POST RD From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	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	8	61	1	7	77	2	2	5	4	13	5	54	5	11	75	4	2	9	1	16	181
08:00 AM	7	70	4	3	84	3	2	8	4	17	4	44	11	10	69	1	6	15	10	32	202
08:15 AM	35	84	4	11	134	3	1	7	1	12	4	24	9	7	44	6	9	7	4	26	216
08:30 AM	15	94	1	7	117	2	3	8	5	18	7	20	1	8	36	4	5	5	2	16	187
Total Volume	65	309	10	28	412	10	8	28	14	60	20	142	26	36	224	15	22	36	17	90	786
% App. Total	15.8	75	2.4	6.8		16.7	13.3	46.7	23.3		8.9	63.4	11.6	16.1		16.7	24.4	40	18.9		
PHF	.464	.822	.625	.636	.769	.833	.667	.875	.700	.833	.714	.657	.591	.818	.747	.625	.611	.600	.425	.703	.910

Nashua Regional Planning Commission

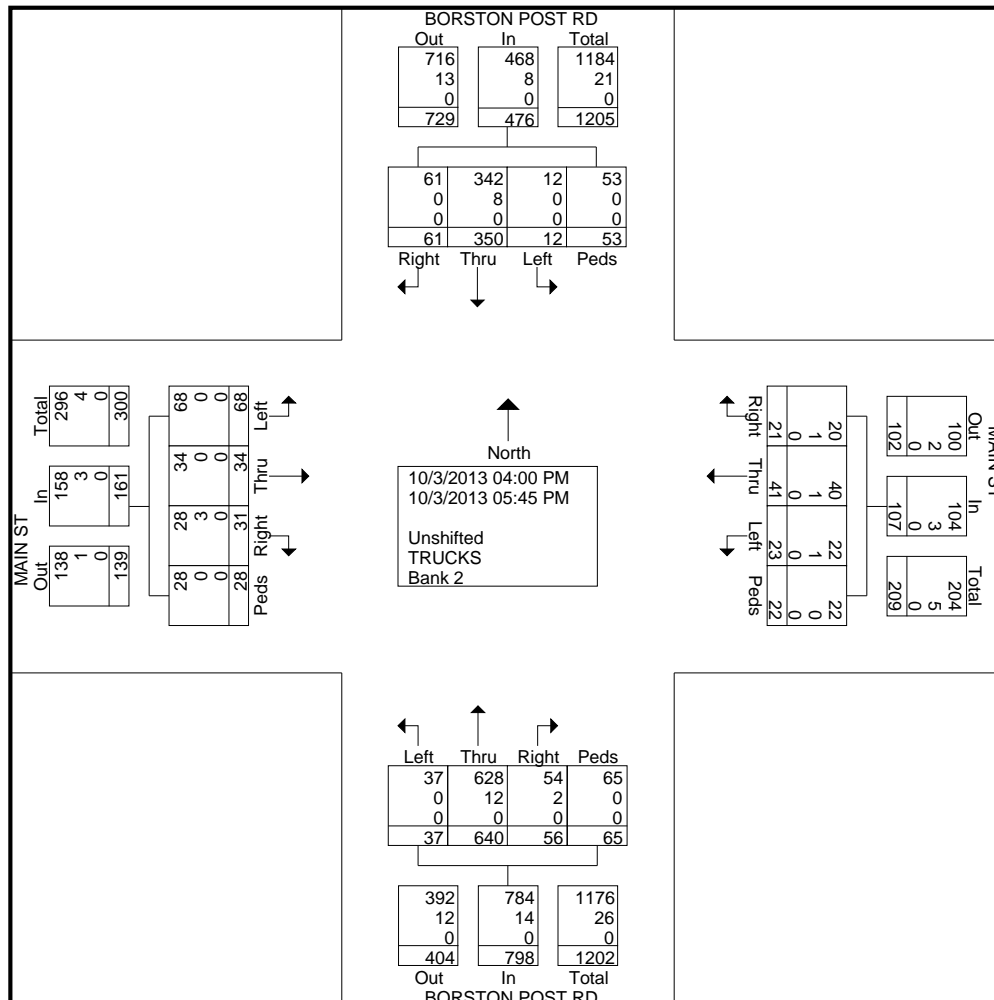
9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Main St
Town: Amherst
Middle St Traffic Study
October 3, 2013

File Name : BostonPost Rd_MainSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	BORSTON POST RD From North					MAIN ST From East					BORSTON POST RD From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	5	40	1	7	53	4	4	6	0	14	5	68	5	5	83	2	6	8	1	17	167
04:15 PM	7	44	0	5	56	3	4	1	1	9	4	72	2	14	92	5	3	7	10	25	182
04:30 PM	11	46	1	7	65	1	4	2	4	11	6	73	5	5	89	9	5	14	3	31	196
04:45 PM	4	49	3	11	67	3	8	5	1	17	9	79	5	17	110	4	5	9	7	25	219
Total	27	179	5	30	241	11	20	14	6	51	24	292	17	41	374	20	19	38	21	98	764
05:00 PM	9	40	2	6	57	2	12	3	7	24	8	72	7	4	91	5	4	8	3	20	192
05:15 PM	7	46	1	6	60	1	3	1	3	8	9	97	3	10	119	2	5	11	1	19	206
05:30 PM	7	35	0	5	47	3	2	4	5	14	6	97	7	5	115	3	2	7	2	14	190
05:45 PM	11	50	4	6	71	4	4	1	1	10	9	82	3	5	99	1	4	4	1	10	190
Total	34	171	7	23	235	10	21	9	16	56	32	348	20	24	424	11	15	30	7	63	778
Grand Total	61	350	12	53	476	21	41	23	22	107	56	640	37	65	798	31	34	68	28	161	1542
Apprch %	12.8	73.5	2.5	11.1		19.6	38.3	21.5	20.6		7	80.2	4.6	8.1		19.3	21.1	42.2	17.4		
Total %	4	22.7	0.8	3.4	30.9	1.4	2.7	1.5	1.4	6.9	3.6	41.5	2.4	4.2	51.8	2	2.2	4.4	1.8	10.4	
Unshifted	61	342	12	53	468	20	40	22	22	104	54	628	37	65	784	28	34	68	28	158	1514
% Unshifted	100	97.7	100	100	98.3	95.2	97.6	95.7	100	97.2	96.4	98.1	100	100	98.2	90.3	100	100	100	98.1	98.2
TRUCKS	0	8	0	0	8	1	1	1	0	3	2	12	0	0	14	3	0	0	0	3	28
% TRUCKS	0	2.3	0	0	1.7	4.8	2.4	4.3	0	2.8	3.6	1.9	0	0	1.8	9.7	0	0	0	1.9	1.8
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Main St
Town: Amherst
Middle St Traffic Study
October 3, 2013

File Name : BostonPost Rd_MainSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 2

	BORSTON POST RD From North					MAIN ST From East					BORSTON POST RD From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	11	46	1	7	65	1	4	2	4	11	6	73	5	5	89	9	5	14	3	31	196
04:45 PM	4	49	3	11	67	3	8	5	1	17	9	79	5	17	110	4	5	9	7	25	219
05:00 PM	9	40	2	6	57	2	12	3	7	24	8	72	7	4	91	5	4	8	3	20	192
05:15 PM	7	46	1	6	60	1	3	1	3	8	9	97	3	10	119	2	5	11	1	19	206
Total Volume	31	181	7	30	249	7	27	11	15	60	32	321	20	36	409	20	19	42	14	95	813
% App. Total	12.4	72.7	2.8	12		11.7	45	18.3	25		7.8	78.5	4.9	8.8		21.1	20	44.2	14.7		
PHF	.705	.923	.583	.682	.929	.583	.563	.550	.536	.625	.889	.827	.714	.529	.859	.556	.950	.750	.500	.766	.928

Nashua Regional Planning Commission

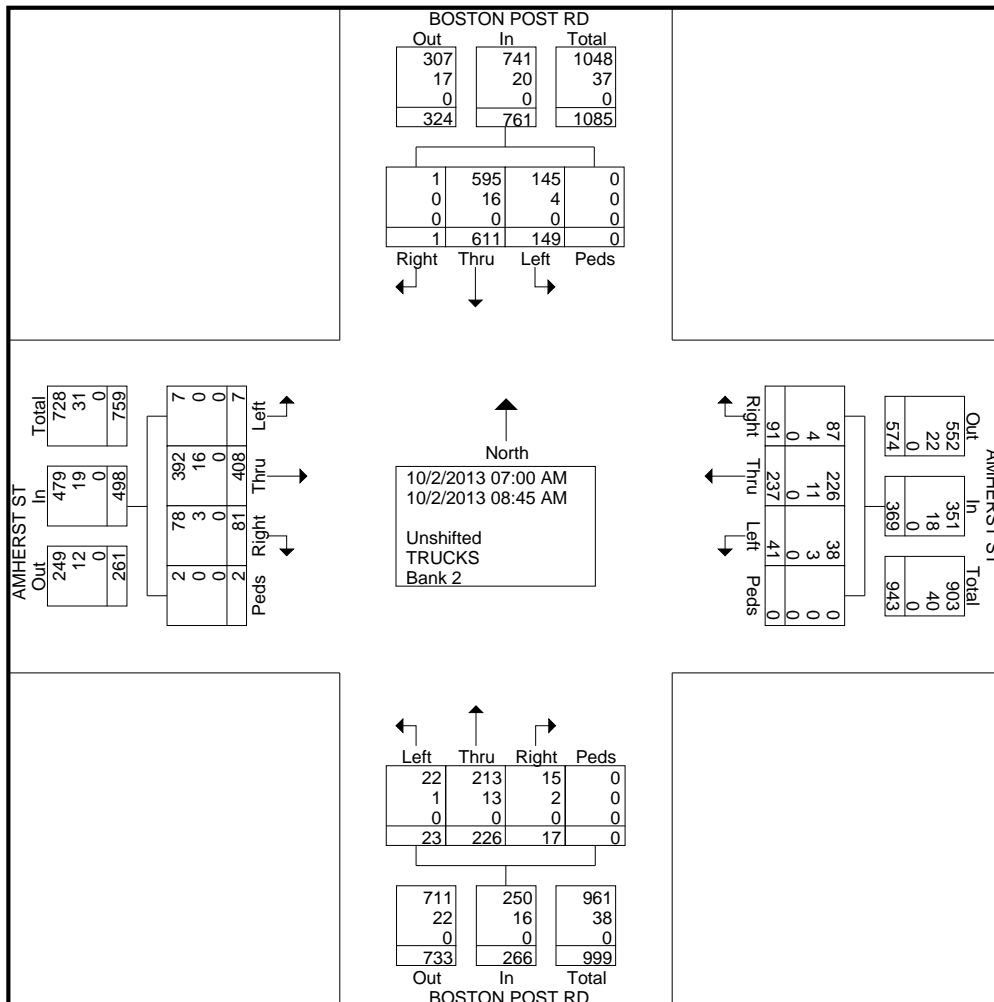
9 Executive Park Drive
Merrimack, NH 03054

BostonPostRd / Amherst St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_AmherstSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	BOSTON POST RD From North					AMHERST ST From East					BOSTON POST RD From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	122	23	0	145	8	21	1	0	30	0	14	0	0	14	22	72	0	0	94	283
07:15 AM	0	96	23	0	119	4	20	6	0	30	1	29	0	0	30	9	75	0	0	84	263
07:30 AM	0	78	20	0	98	15	29	2	0	46	4	37	4	0	45	12	54	0	0	66	255
07:45 AM	0	57	12	0	69	20	34	3	0	57	2	46	4	0	52	6	48	3	0	57	235
Total	0	353	78	0	431	47	104	12	0	163	7	126	8	0	141	49	249	3	0	301	1036
08:00 AM	0	61	19	0	80	20	35	10	0	65	1	41	4	0	46	10	46	2	0	58	249
08:15 AM	0	87	14	0	101	8	36	7	0	51	4	26	6	0	36	7	45	0	1	53	241
08:30 AM	1	74	30	0	105	9	27	6	0	42	2	17	3	0	22	10	39	1	1	51	220
08:45 AM	0	36	8	0	44	7	35	6	0	48	3	16	2	0	21	5	29	1	0	35	148
Total	1	258	71	0	330	44	133	29	0	206	10	100	15	0	125	32	159	4	2	197	858
Grand Total	1	611	149	0	761	91	237	41	0	369	17	226	23	0	266	81	408	7	2	498	1894
Apprch %	0.1	80.3	19.6	0		24.7	64.2	11.1	0		6.4	85	8.6	0		16.3	81.9	1.4	0.4		
Total %	0.1	32.3	7.9	0	40.2	4.8	12.5	2.2	0	19.5	0.9	11.9	1.2	0	14	4.3	21.5	0.4	0.1	26.3	
Unshifted	1	595	145	0	741	87	226	38	0	351	15	213	22	0	250	78	392	7	2	479	1821
% Unshifted	100	97.4	97.3	0	97.4	95.6	95.4	92.7	0	95.1	88.2	94.2	95.7	0	94	96.3	96.1	100	100	96.2	96.1
TRUCKS	0	16	4	0	20	4	11	3	0	18	2	13	1	0	16	3	16	0	0	19	73
% TRUCKS	0	2.6	2.7	0	2.6	4.4	4.6	7.3	0	4.9	11.8	5.8	4.3	0	6	3.7	3.9	0	0	3.8	3.9
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

BostonPostRd / Amherst St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : BostonPost Rd_AmherstSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 2

	BOSTON POST RD From North					AMHERST ST From East					BOSTON POST RD From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	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	122	23	0	145	8	21	1	0	30	0	14	0	0	14	22	72	0	0	94	283
07:15 AM	0	96	23	0	119	4	20	6	0	30	1	29	0	0	30	9	75	0	0	84	263
07:30 AM	0	78	20	0	98	15	29	2	0	46	4	37	4	0	45	12	54	0	0	66	255
07:45 AM	0	57	12	0	69	20	34	3	0	57	2	46	4	0	52	6	48	3	0	57	235
Total Volume	0	353	78	0	431	47	104	12	0	163	7	126	8	0	141	49	249	3	0	301	1036
% App. Total	0	81.9	18.1	0		28.8	63.8	7.4	0		5	89.4	5.7	0		16.3	82.7	1	0		
PHF	.000	.723	.848	.000	.743	.588	.765	.500	.000	.715	.438	.685	.500	.000	.678	.557	.830	.250	.000	.801	.915

Nashua Regional Planning Commission

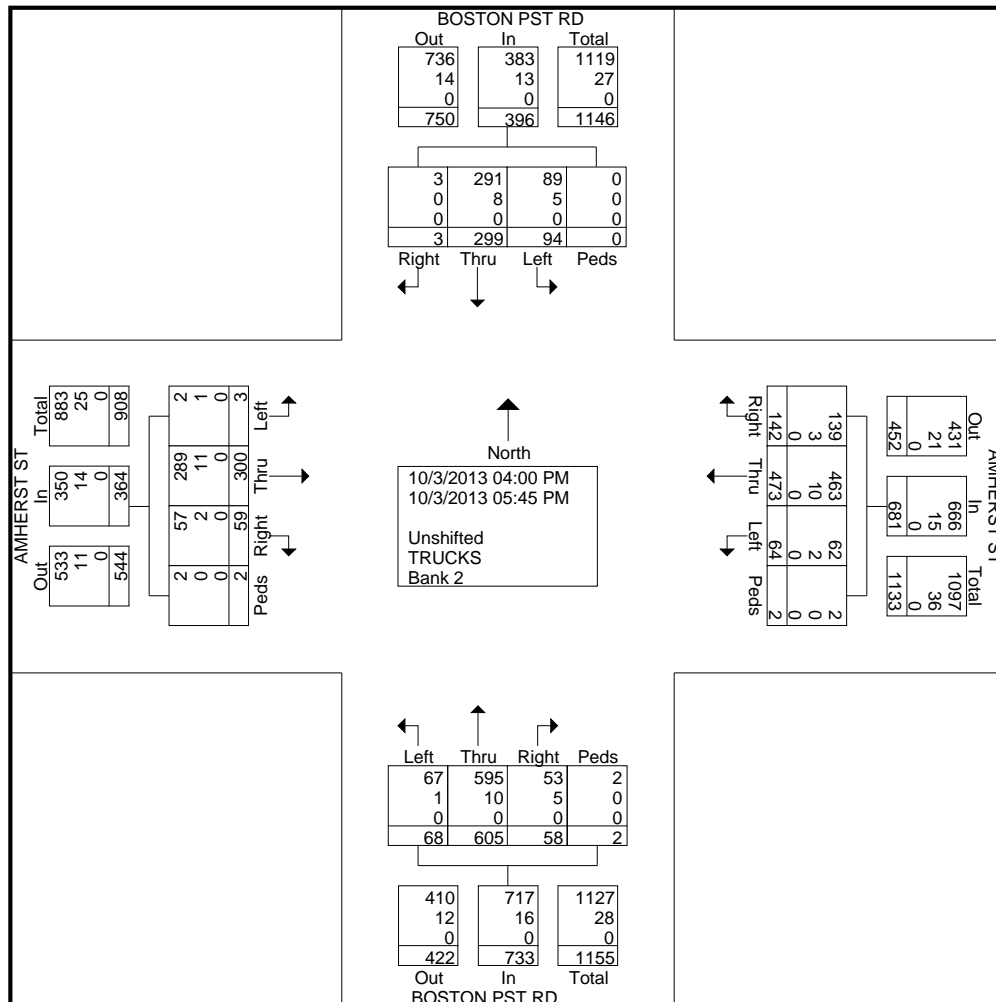
9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Amherst St
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : BostonPost Rd_AmherstSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	BOSTON PST RD From North					AMHERST ST From East					BOSTON PST RD From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	0	36	10	0	46	13	64	15	0	92	3	70	11	0	84	6	32	0	0	38	260
04:15 PM	0	39	16	0	55	23	46	8	1	78	18	57	9	1	85	13	36	0	0	49	267
04:30 PM	1	35	16	0	52	15	54	2	0	71	8	66	8	0	82	7	36	0	1	44	249
04:45 PM	0	43	13	0	56	16	55	7	1	79	2	84	7	0	93	6	31	1	1	39	267
Total	1	153	55	0	209	67	219	32	2	320	31	277	35	1	344	32	135	1	2	170	1043
05:00 PM	2	33	14	0	49	21	54	9	0	84	5	68	7	0	80	6	35	1	0	42	255
05:15 PM	0	38	12	0	50	17	61	13	0	91	12	92	9	1	114	7	45	1	0	53	308
05:30 PM	0	37	5	0	42	25	69	4	0	98	5	84	8	0	97	9	42	0	0	51	288
05:45 PM	0	38	8	0	46	12	70	6	0	88	5	84	9	0	98	5	43	0	0	48	280
Total	2	146	39	0	187	75	254	32	0	361	27	328	33	1	389	27	165	2	0	194	1131
Grand Total	3	299	94	0	396	142	473	64	2	681	58	605	68	2	733	59	300	3	2	364	2174
Apprch %	0.8	75.5	23.7	0		20.9	69.5	9.4	0.3		7.9	82.5	9.3	0.3		16.2	82.4	0.8	0.5		
Total %	0.1	13.8	4.3	0	18.2	6.5	21.8	2.9	0.1	31.3	2.7	27.8	3.1	0.1	33.7	2.7	13.8	0.1	0.1	16.7	
Unshifted	3	291	89	0	383	139	463	62	2	666	53	595	67	2	717	57	289	2	2	350	2116
% Unshifted	100	97.3	94.7	0	96.7	97.9	97.9	96.9	100	97.8	91.4	98.3	98.5	100	97.8	96.6	96.3	66.7	100	96.2	97.3
TRUCKS	0	8	5	0	13	3	10	2	0	15	5	10	1	0	16	2	11	1	0	14	58
% TRUCKS	0	2.7	5.3	0	3.3	2.1	2.1	3.1	0	2.2	8.6	1.7	1.5	0	2.2	3.4	3.7	33.3	0	3.8	2.7
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Boston Post Rd / Amherst St
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : BostonPost Rd_AmherstSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 2

	BOSTON PST RD From North					AMHERST ST From East					BOSTON PST RD From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	2	33	14	0	49	21	54	9	0	84	5	68	7	0	80	6	35	1	0	42	255
05:15 PM	0	38	12	0	50	17	61	13	0	91	12	92	9	1	114	7	45	1	0	53	308
05:30 PM	0	37	5	0	42	25	69	4	0	98	5	84	8	0	97	9	42	0	0	51	288
05:45 PM	0	38	8	0	46	12	70	6	0	88	5	84	9	0	98	5	43	0	0	48	280
Total Volume	2	146	39	0	187	75	254	32	0	361	27	328	33	1	389	27	165	2	0	194	1131
% App. Total	1.1	78.1	20.9	0		20.8	70.4	8.9	0		6.9	84.3	8.5	0.3		13.9	85.1	1	0		
PHF	.250	.961	.696	.000	.935	.750	.907	.615	.000	.921	.563	.891	.917	.250	.853	.750	.917	.500	.000	.915	.918

Nashua Regional Planning Commission

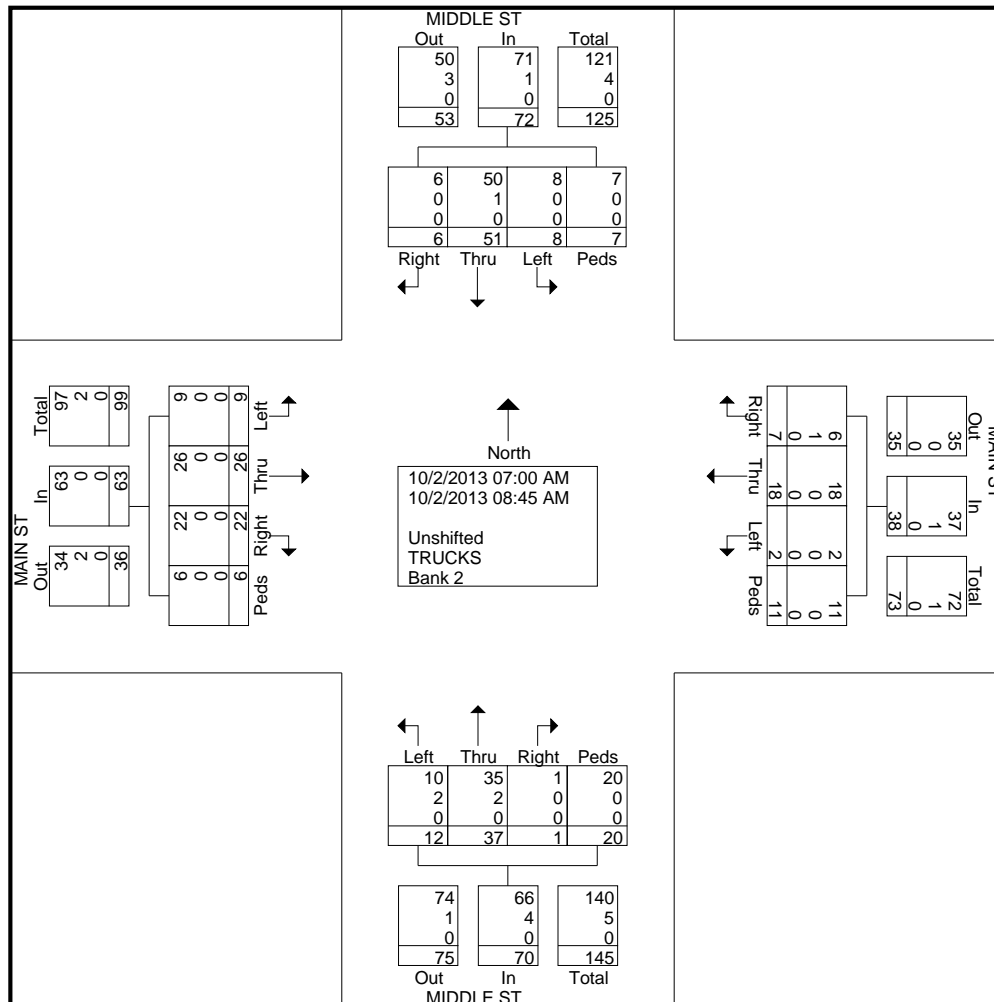
9 Executive Park Drive
Merrimack, NH 03054

Main St / Middle St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : MainSt_MiddleSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	MIDDLE ST From North					MAIN ST From East					MIDDLE ST From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	1	8	1	0	10	1	0	0	1	2	0	0	2	1	3	2	2	0	0	4	19
07:15 AM	0	1	0	0	1	1	1	0	0	2	0	2	1	0	3	3	3	0	2	8	14
07:30 AM	0	3	0	0	3	2	2	0	2	6	0	2	0	0	2	1	1	0	0	2	13
07:45 AM	2	4	0	1	7	0	2	1	3	6	1	7	2	1	11	4	2	2	1	9	33
Total	3	16	1	1	21	4	5	1	6	16	1	11	5	2	19	10	8	2	3	23	79
08:00 AM	1	5	3	1	10	0	4	1	2	7	0	8	2	16	26	1	3	5	0	9	52
08:15 AM	2	19	3	5	29	3	3	0	1	7	0	13	3	1	17	6	8	2	2	18	71
08:30 AM	0	7	0	0	7	0	4	0	1	5	0	3	1	0	4	3	6	0	1	10	26
08:45 AM	0	4	1	0	5	0	2	0	1	3	0	2	1	1	4	2	1	0	0	3	15
Total	3	35	7	6	51	3	13	1	5	22	0	26	7	18	51	12	18	7	3	40	164
Grand Total	6	51	8	7	72	7	18	2	11	38	1	37	12	20	70	22	26	9	6	63	243
Apprch %	8.3	70.8	11.1	9.7		18.4	47.4	5.3	28.9		1.4	52.9	17.1	28.6		34.9	41.3	14.3	9.5		
Total %	2.5	21	3.3	2.9	29.6	2.9	7.4	0.8	4.5	15.6	0.4	15.2	4.9	8.2	28.8	9.1	10.7	3.7	2.5	25.9	
Unshifted	6	50	8	7	71	6	18	2	11	37	1	35	10	20	66	22	26	9	6	63	237
% Unshifted	100	98	100	100	98.6	85.7	100	100	100	97.4	100	94.6	83.3	100	94.3	100	100	100	100	100	97.5
TRUCKS	0	1	0	0	1	1	0	0	0	1	0	2	2	0	4	0	0	0	0	0	6
% TRUCKS	0	2	0	0	1.4	14.3	0	0	0	2.6	0	5.4	16.7	0	5.7	0	0	0	0	0	2.5
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Main St / Middle St AM
Town: Amherst
Traffic Study
October 2, 2013

File Name : MainSt_MiddleSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 2

	MIDDLE ST From North					MAIN ST From East					MIDDLE ST From South					MAIN ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	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	2	4	0	1	7	0	2	1	3	6	1	7	2	1	11	4	2	2	1	9	33
08:00 AM	1	5	3	1	10	0	4	1	2	7	0	8	2	16	26	1	3	5	0	9	52
08:15 AM	2	19	3	5	29	3	3	0	1	7	0	13	3	1	17	6	8	2	2	18	71
08:30 AM	0	7	0	0	7	0	4	0	1	5	0	3	1	0	4	3	6	0	1	10	26
Total Volume	5	35	6	7	53	3	13	2	7	25	1	31	8	18	58	14	19	9	4	46	182
% App. Total	9.4	66	11.3	13.2		12	52	8	28		1.7	53.4	13.8	31		30.4	41.3	19.6	8.7		
PHF	.625	.461	.500	.350	.457	.250	.813	.500	.583	.893	.250	.596	.667	.281	.558	.583	.594	.450	.500	.639	.641

Nashua Regional Planning Commission

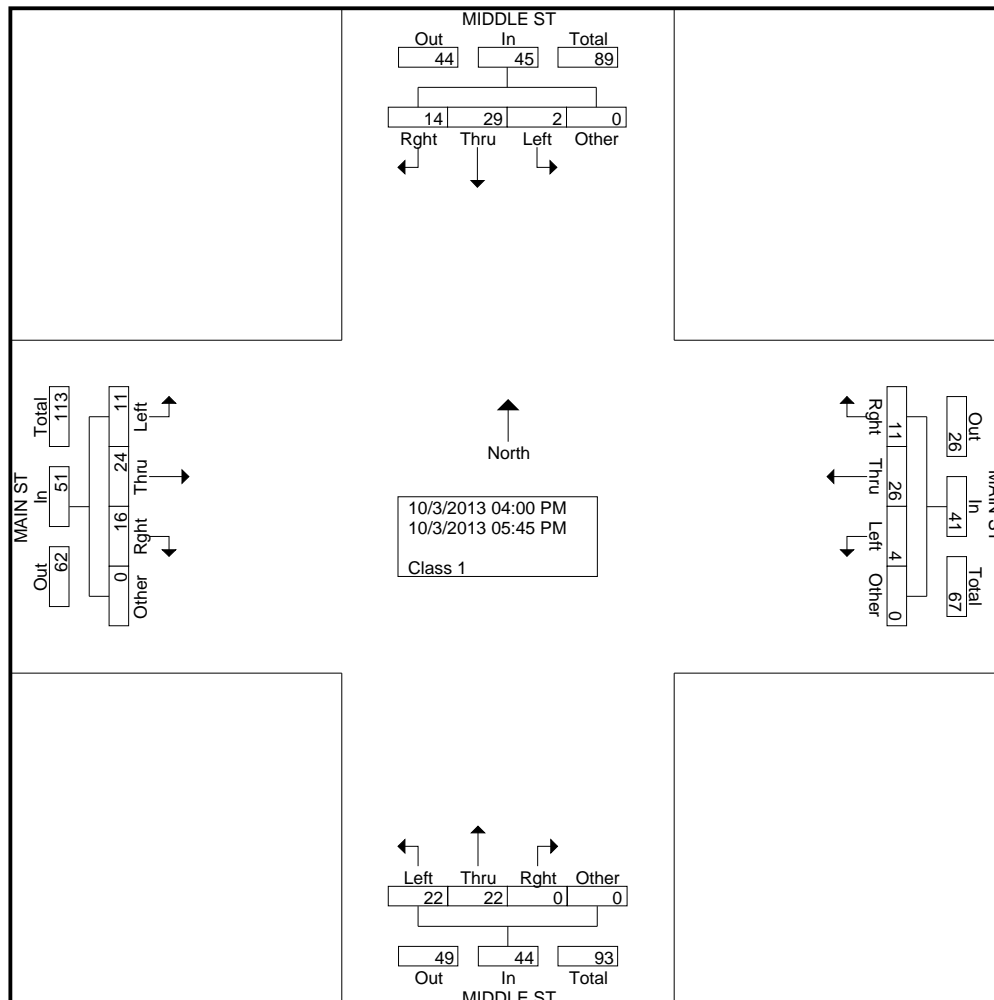
9 Executive Park Drive
Merrimack, NH 03054

Main St / Middle St PM
Town: Amherst
Middles St Traffic study
October 3, 2013

File Name : MainSt_MiddleSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 1

Groups Printed- Class 1

	MIDDLE ST From North					MAIN ST From East					MIDDLE ST From South					MAIN ST From West					
Start Time	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Int. Total
04:00 PM	3	6	0	0	9	3	2	1	0	6	0	4	4	0	8	2	4	1	0	7	30
04:15 PM	3	6	0	0	9	1	1	0	0	2	0	2	2	0	4	1	0	2	0	3	18
04:30 PM	1	4	0	0	5	2	2	0	0	4	0	1	1	0	2	4	2	0	0	6	17
04:45 PM	4	4	1	0	9	3	5	2	0	10	0	4	4	0	8	3	6	2	0	11	38
Total	11	20	1	0	32	9	10	3	0	22	0	11	11	0	22	10	12	5	0	27	103
05:00 PM	2	2	0	0	4	0	5	0	0	5	0	2	2	0	4	3	2	1	0	6	19
05:15 PM	1	3	0	0	4	2	4	0	0	6	0	2	2	0	4	0	6	4	0	10	24
05:30 PM	0	4	1	0	5	0	4	0	0	4	0	4	4	0	8	1	2	0	0	3	20
05:45 PM	0	0	0	0	0	0	3	1	0	4	0	3	3	0	6	2	2	1	0	5	15
Total	3	9	1	0	13	2	16	1	0	19	0	11	11	0	22	6	12	6	0	24	78
Grand Total	14	29	2	0	45	11	26	4	0	41	0	22	22	0	44	16	24	11	0	51	181
Apprch %	31.1	64.4	4.4	0		26.8	63.4	9.8	0		0	50	50	0		31.4	47.1	21.6	0		
Total %	7.7	16	1.1	0	24.9	6.1	14.4	2.2	0	22.7	0	12.2	12.2	0	24.3	8.8	13.3	6.1	0	28.2	



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Main St / Middle St PM
Town: Amherst
Middles St Traffic study
October 3, 2013

File Name : MainSt_MiddleSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 2

	MIDDLE ST From North					MAIN ST From East					MIDDLE ST From South					MAIN ST From West					
Start Time	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	3	6	0	0	9	3	2	1	0	6	0	4	4	0	8	2	4	1	0	7	30
04:15 PM	3	6	0	0	9	1	1	0	0	2	0	2	2	0	4	1	0	2	0	3	18
04:30 PM	1	4	0	0	5	2	2	0	0	4	0	1	1	0	2	4	2	0	0	6	17
04:45 PM	4	4	1	0	9	3	5	2	0	10	0	4	4	0	8	3	6	2	0	11	38
Total Volume	11	20	1	0	32	9	10	3	0	22	0	11	11	0	22	10	12	5	0	27	103
% App. Total	34.4	62.5	3.1	0		40.9	45.5	13.6	0		0	50	50	0		37	44.4	18.5	0		
PHF	.688	.833	.250	.000	.889	.750	.500	.375	.000	.550	.000	.688	.688	.000	.688	.625	.500	.625	.000	.614	.678

Nashua Regional Planning Commission

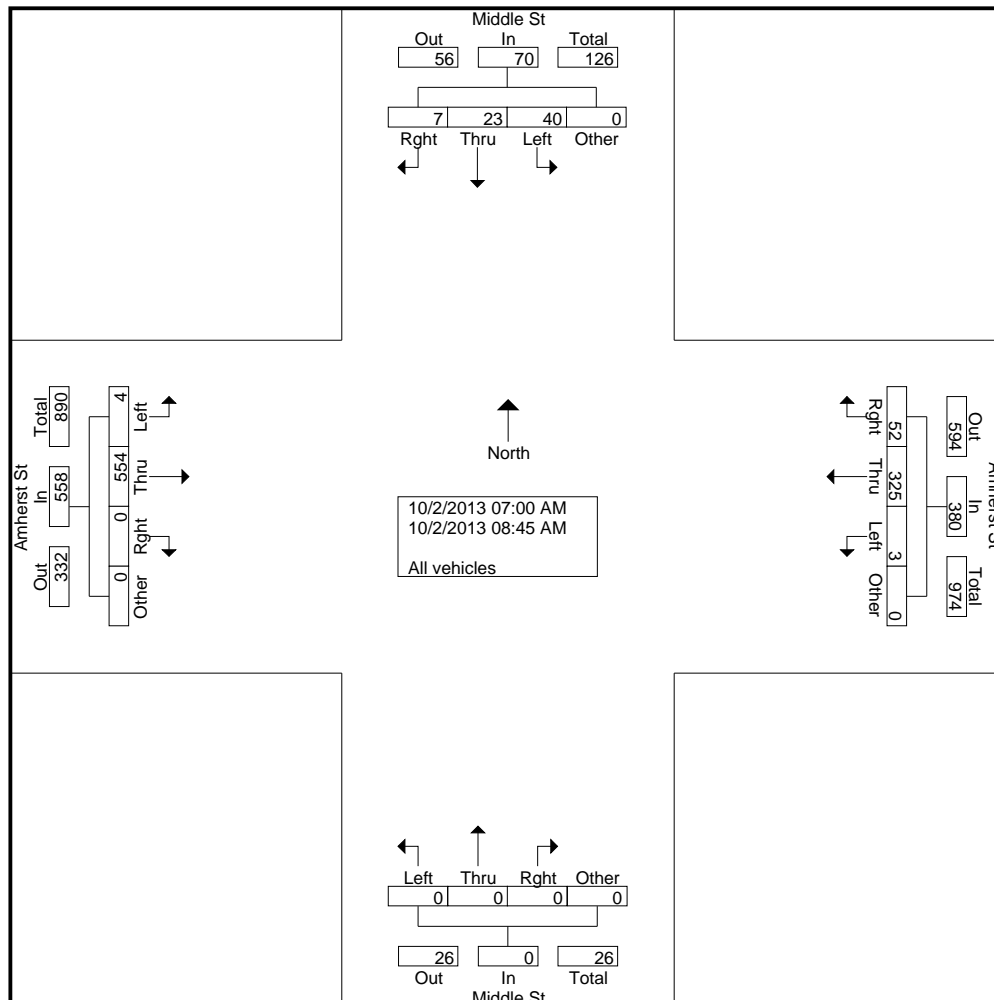
9 Executive Park Drive
Merrimack, NH 03054

AmherstSt / MiddleSt AM
Amherst
Traffic Study
October 2, 2013

File Name : AmherstSt_MiddleSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 1

Groups Printed- All vehicles

	Middle St From North					Amherst St From East					Middle St From South					Amherst St From West					
Start Time	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Int. Total
07:00 AM	1	2	7	0	10	2	22	1	0	25	0	0	0	0	0	0	87	0	0	87	122
07:15 AM	0	3	1	0	4	3	32	0	0	35	0	0	0	0	0	0	79	0	0	79	118
07:30 AM	0	1	3	0	4	3	35	0	0	38	0	0	0	0	0	0	87	0	0	87	129
07:45 AM	0	3	1	0	4	8	51	0	0	59	0	0	0	0	0	0	68	0	0	68	131
Total	1	9	12	0	22	16	140	1	0	157	0	0	0	0	0	0	321	0	0	321	500
08:00 AM	2	0	5	0	7	11	49	0	0	60	0	0	0	0	0	0	58	2	0	60	127
08:15 AM	4	8	11	0	23	18	54	1	0	73	0	0	0	0	0	0	68	2	0	70	166
08:30 AM	0	5	12	0	17	4	39	1	0	44	0	0	0	0	0	0	63	0	0	63	124
08:45 AM	0	1	0	0	1	3	43	0	0	46	0	0	0	0	0	0	44	0	0	44	91
Total	6	14	28	0	48	36	185	2	0	223	0	0	0	0	0	0	233	4	0	237	508
Grand Total	7	23	40	0	70	52	325	3	0	380	0	0	0	0	0	0	554	4	0	558	1008
Apprch %	10	32.9	57.1	0		13.7	85.5	0.8	0		0	0	0	0	0	0	99.3	0.7	0		
Total %	0.7	2.3	4	0	6.9	5.2	32.2	0.3	0	37.7	0	0	0	0	0	0	55	0.4	0	55.4	



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

AmherstSt / MiddleSt AM
Amherst
Traffic Study
October 2, 2013

File Name : AmherstSt_MiddleSt_AM
Site Code : 00000000
Start Date : 10/2/2013
Page No : 2

	Middle St From North					Amherst St From East					Middle St From South					Amherst St From West					
Start Time	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	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 07:30 AM																					
07:30 AM	0	1	3	0	4	3	35	0	0	38	0	0	0	0	0	0	87	0	0	87	129
07:45 AM	0	3	1	0	4	8	51	0	0	59	0	0	0	0	0	0	68	0	0	68	131
08:00 AM	2	0	5	0	7	11	49	0	0	60	0	0	0	0	0	0	58	2	0	60	127
08:15 AM	4	8	11	0	23	18	54	1	0	73	0	0	0	0	0	0	68	2	0	70	166
Total Volume	6	12	20	0	38	40	189	1	0	230	0	0	0	0	0	0	281	4	0	285	553
% App. Total	15.8	31.6	52.6	0		17.4	82.2	0.4	0		0	0	0	0		0	98.6	1.4	0		
PHF	.375	.375	.455	.000	.413	.556	.875	.250	.000	.788	.000	.000	.000	.000	.000	.000	.807	.500	.000	.819	.833

Nashua Regional Planning Commission

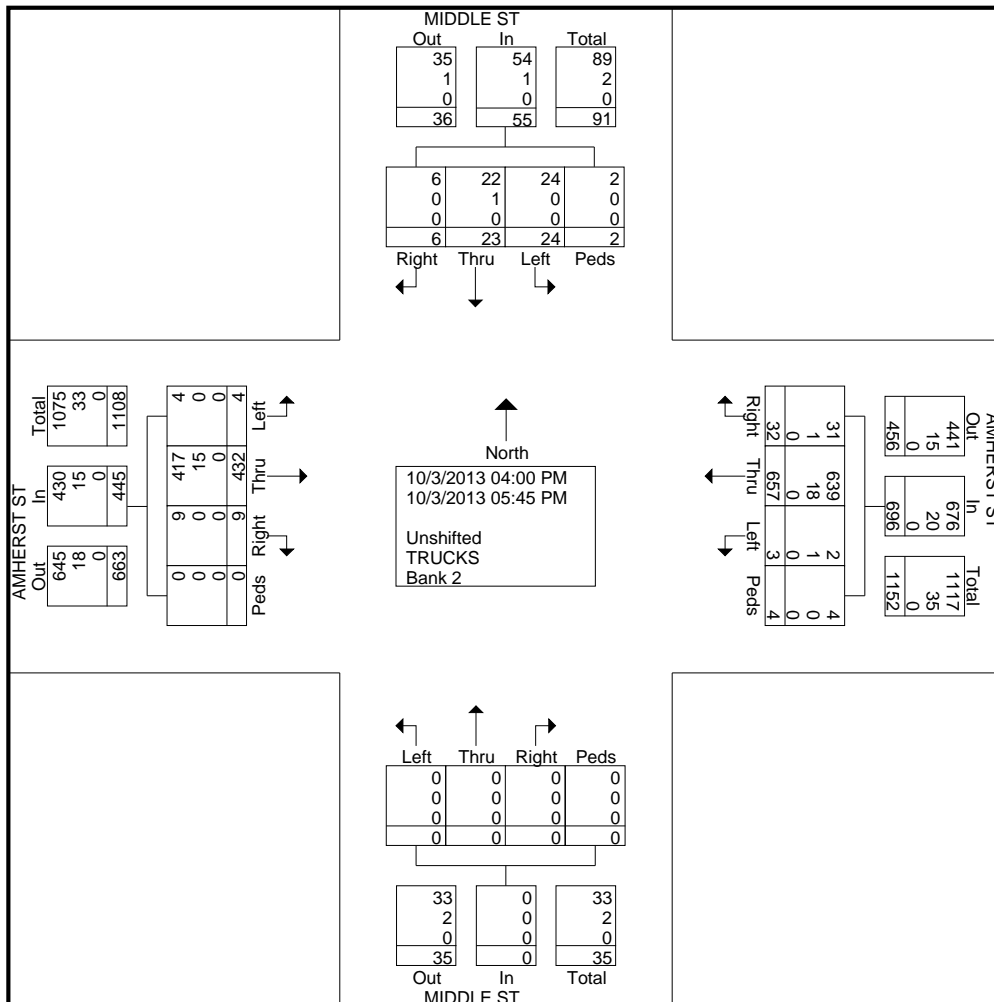
9 Executive Park Drive
Merrimack, NH 03054

Amherst St / Middle St PM
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : AmherstSt_MiddleSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 1

Groups Printed- Unshifted - TRUCKS - Bank 2

	MIDDLE ST From North					AMHERST ST From East					MIDDLE ST From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	1	6	4	0	11	2	89	1	1	93	0	0	0	0	0	3	37	3	0	43	147
04:15 PM	0	5	2	0	7	4	80	0	1	85	0	0	0	0	0	1	72	0	0	73	165
04:30 PM	0	5	5	2	12	2	65	0	0	67	0	0	0	0	0	1	53	0	0	54	133
04:45 PM	4	2	4	0	10	5	66	0	1	72	0	0	0	0	0	1	41	1	0	43	125
Total	5	18	15	2	40	13	300	1	3	317	0	0	0	0	0	6	203	4	0	213	570
05:00 PM	0	2	4	0	6	7	86	1	0	94	0	0	0	0	0	1	57	0	0	58	158
05:15 PM	0	2	3	0	5	7	95	1	1	104	0	0	0	0	0	1	68	0	0	69	178
05:30 PM	1	1	1	0	3	3	95	0	0	98	0	0	0	0	0	0	54	0	0	54	155
05:45 PM	0	0	1	0	1	2	81	0	0	83	0	0	0	0	0	1	50	0	0	51	135
Total	1	5	9	0	15	19	357	2	1	379	0	0	0	0	0	3	229	0	0	232	626
Grand Total	6	23	24	2	55	32	657	3	4	696	0	0	0	0	0	9	432	4	0	445	1196
Apprch %	10.9	41.8	43.6	3.6		4.6	94.4	0.4	0.6		0	0	0	0		2	97.1	0.9	0		
Total %	0.5	1.9	2	0.2	4.6	2.7	54.9	0.3	0.3	58.2	0	0	0	0	0	0.8	36.1	0.3	0	37.2	
Unshifted	6	22	24	2	54	31	639	2	4	676	0	0	0	0	0	9	417	4	0	430	1160
% Unshifted	100	95.7	100	100	98.2	96.9	97.3	66.7	100	97.1	0	0	0	0	0	100	96.5	100	0	96.6	97
TRUCKS	0	1	0	0	1	1	18	1	0	20	0	0	0	0	0	0	15	0	0	15	36
% TRUCKS	0	4.3	0	0	1.8	3.1	2.7	33.3	0	2.9	0	0	0	0	0	0	3.5	0	0	3.4	3
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Nashua Regional Planning Commission

9 Executive Park Drive
Merrimack, NH 03054

Amherst St / Middle St PM
Town: Amherst
Middle St traffic study
October 3, 2013

File Name : AmherstSt_MiddleSt_PM
Site Code : 00000000
Start Date : 10/3/2013
Page No : 2

	MIDDLE ST From North					AMHERST ST From East					MIDDLE ST From South					AMHERST ST From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	2	4	0	6	7	86	1	0	94	0	0	0	0	0	1	57	0	0	58	158
05:15 PM	0	2	3	0	5	7	95	1	1	104	0	0	0	0	0	1	68	0	0	69	178
05:30 PM	1	1	1	0	3	3	95	0	0	98	0	0	0	0	0	0	54	0	0	54	155
05:45 PM	0	0	1	0	1	2	81	0	0	83	0	0	0	0	0	1	50	0	0	51	135
Total Volume	1	5	9	0	15	19	357	2	1	379	0	0	0	0	0	3	229	0	0	232	626
% App. Total	6.7	33.3	60	0		5	94.2	0.5	0.3		0	0	0	0		1.3	98.7	0	0		
PHF	.250	.625	.563	.000	.625	.679	.939	.500	.250	.911	.000	.000	.000	.000	.000	.750	.842	.000	.000	.841	.879