

Traffic Counting Program

NRPC Traffic Counting Program

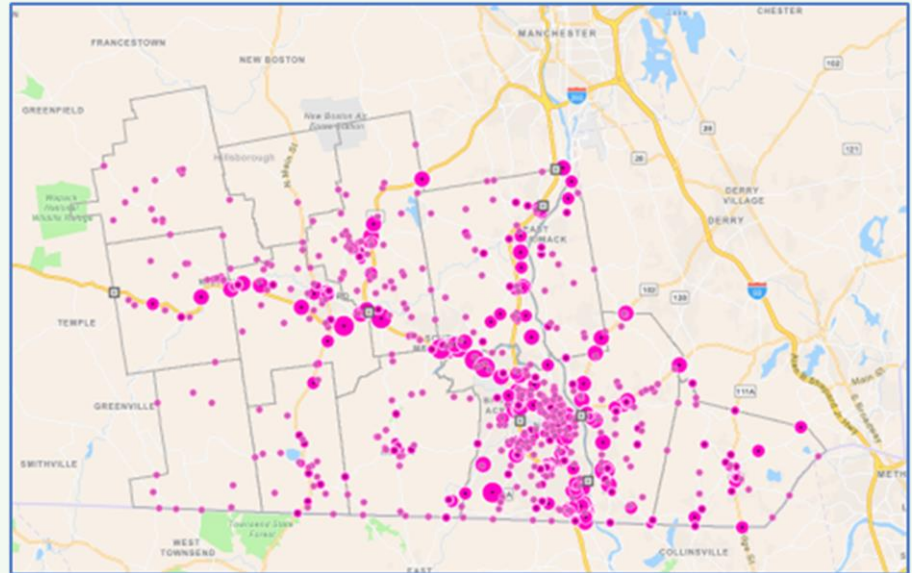
2022 Counting Season

NHDOT & NRPC Communities

NRPC TTAC meeting June 8, 2022

Traffic Counting Program

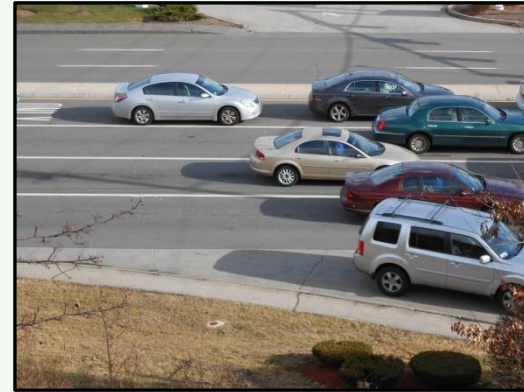
- Types of Counts
- Equipment Used
- Reports Generated
- '22 Counting Season



Traffic Counting Program

Types of Traffic Counts

- Volume/Speed/Class
 - HPMS
 - Municipality requests
 - Special projects
- Turning Movement
 - Informs intersection analysis



Types of Counts

HPMS Counts

- The Highway Performance Monitoring System (HPMS) is a nationwide database detailing the condition and use of local, state, and federal roads.
- NRPC collects volume & vehicle class data on state highways and local roads under a contractual agreement with the NHDOT.
- Traffic count locations are determined by the NHDOT to fulfill reporting requirements under the HPMS.
- Approximately 385 HPMS locations in the region, counted on a rotating basis.

Types of Counts

Municipality Requests

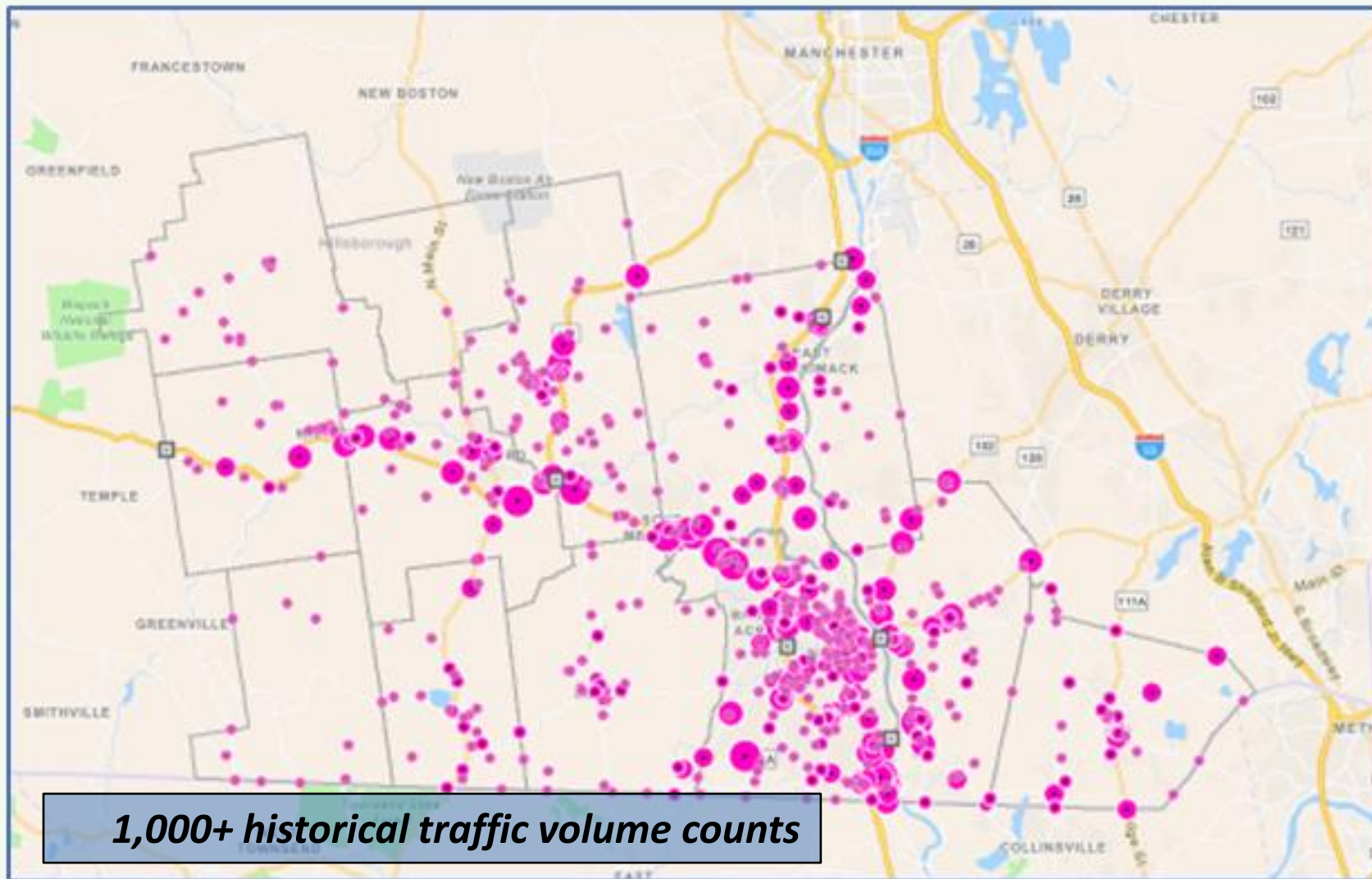
- NRPC responds to requests from member communities to provide basic information or to support specific local municipal projects.
- Volume/speed/class, intersection (turning movement), and bike-ped.

Special Projects

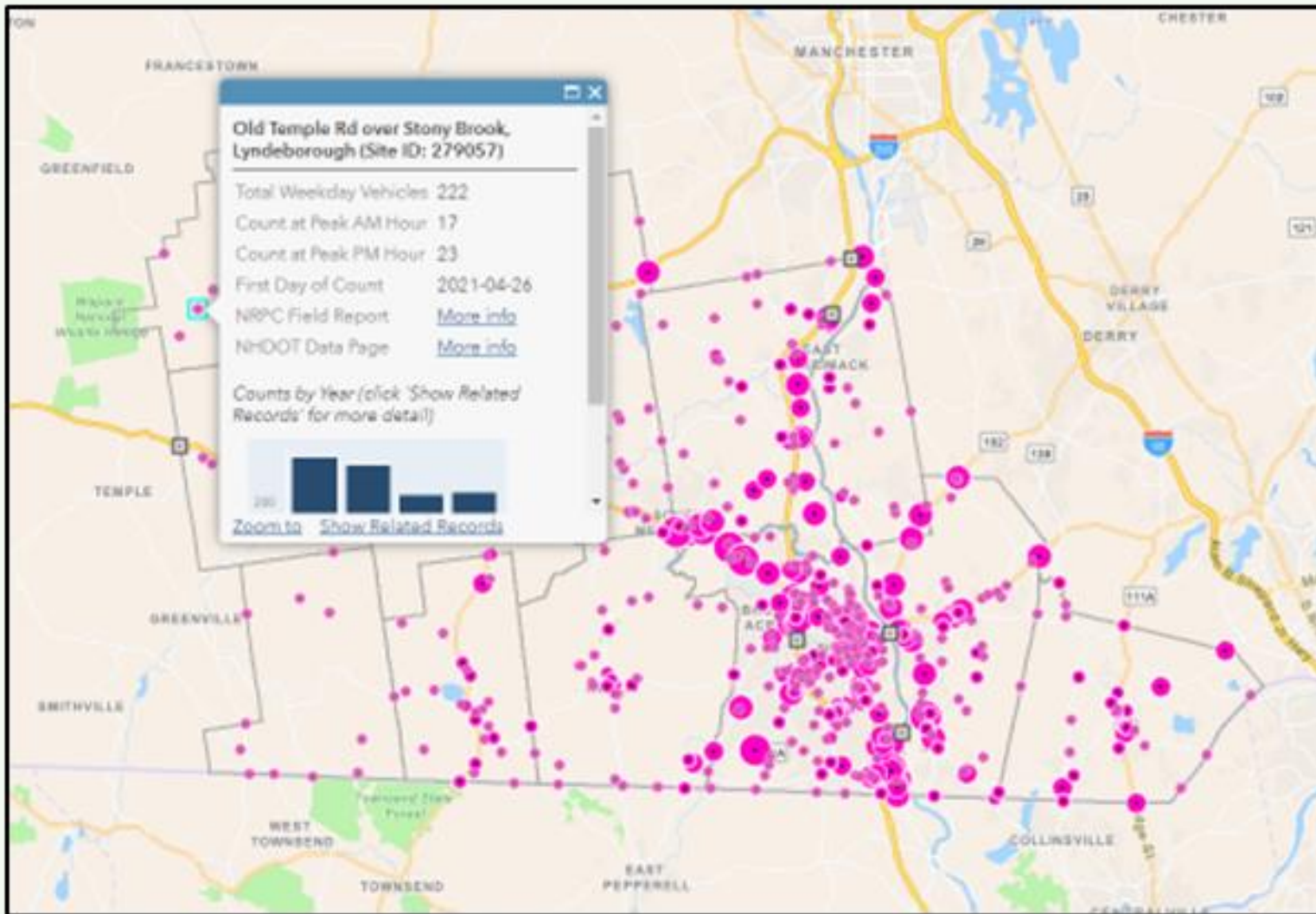
- Regional traffic studies.
- Provide support for grant applications.

1,000+ historical traffic volume counts

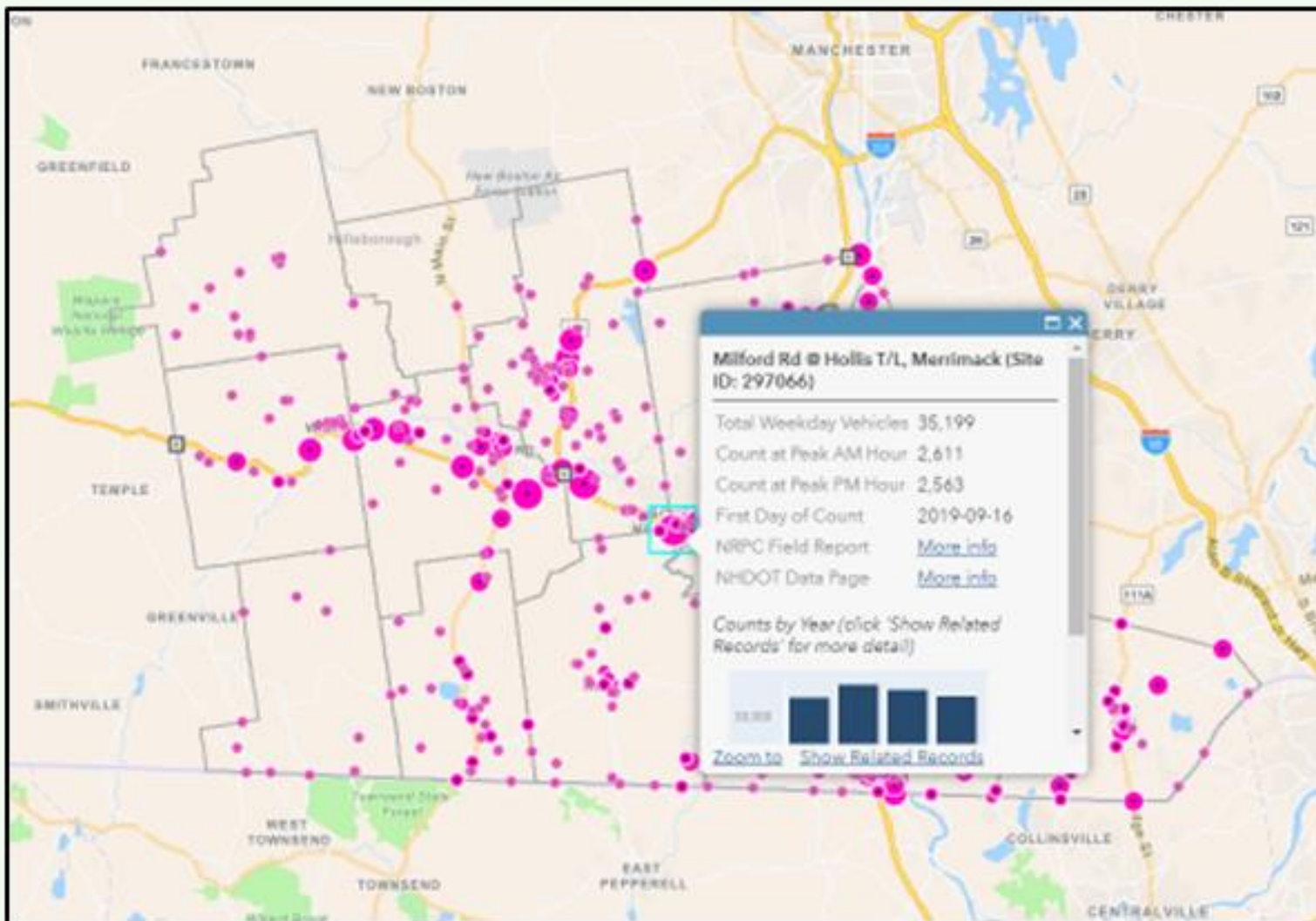
Count Locations



Count Locations



Count Locations



Volume/Speed/Class Counts



Reports - Volume

Nashua Regional Planning Commission

30 Temple St, Suite 310

Nashua, NH 03060

NH 101 (EB/WB) NORTH OF NH 122 NORTH INTERSECTION
 Town: Amherst
 HPMS - 2021
 May, 2021

Site Code: 820130973070

Time	Monday 5/17/2021	Tuesday 5/18/2021	Wednesday 5/19/2021	Thursday 5/20/2021	Friday 5/21/2021	Week Day Average	Saturday 5/22/2021	Sunday 5/23/2021	Week Average
12:00 AM	*	75	84	87	78	81	145	124	99
1:00 AM	*	51	48	56	45	50	63	61	54
2:00 AM	*	47	41	46	56	48	38	42	45
3:00 AM	*	38	38	51	48	44	43	41	43
4:00 AM	*	173	155	148	138	154	100	64	130
5:00 AM	*	443	490	475	432	460	179	122	357
6:00 AM	*	1064	1066	1051	999	1045	423	260	810
7:00 AM	*	1586	1594	1641	1598	1605	754	457	1272
8:00 AM	*	1330	1390	1397	1485	1400	1166	738	1251
9:00 AM	*	1212	1220	1266	1367	1266	1380	1041	1248
10:00 AM	*	1073	1208	1240	1365	1222	1581	1216	1280
11:00 AM	*	1142	1238	1167	1297	1211	1569	1321	1289
12:00 PM	350	1302	1250	1363	1367	1126	1590	1413	1234
1:00 PM	1175	1316	1271	1306	1469	1307	1594	1454	1369
2:00 PM	1357	1490	1399	1485	1584	1463	1533	1250	1443
3:00 PM	1674	1726	1693	1860	1903	1771	1494	1310	1666
4:00 PM	1622	1829	1735	1928	1780	1779	1320	1270	1641
5:00 PM	1569	1747	1773	1929	1787	1761	1243	1136	1598
6:00 PM	1059	1245	1212	1249	1421	1237	1043	953	1169
7:00 PM	689	811	831	947	887	833	823	750	820
8:00 PM	490	526	603	652	633	581	581	529	573
9:00 PM	292	389	418	450	495	409	494	295	405
10:00 PM	166	211	258	263	363	252	401	217	268
11:00 PM	144	132	154	171	220	164	353	136	187
Total	10587	20958	21169	22228	22817	21269	19910	16200	
ADT		ADT: 20,545		AADT: 20,545					



Reports - Volume

Nashua Regional Planning Commission

30 Temple St, Suite 310
Nashua, NH 03060

NH 101 (EB/WB) NORTH OF NH 122 NORTH INTERSECTION
Town: Amherst
HPMS - 2021
May, 2021

Site Code: 820130973070

5/17/2021	Monday		Tuesday		Wednesday		Thursday		Friday		Weekday Average		Saturday		Sunday	
Time	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	42	33	35	49	37	50	32	46	36	44	73	72	49	75
1:00	*	*	24	27	31	17	38	18	26	19	30	20	24	39	23	38
2:00	*	*	29	18	28	13	31	15	41	15	32	15	19	19	19	23
3:00	*	*	24	14	22	16	39	12	31	17	29	15	23	20	25	16
4:00	*	*	100	73	88	67	86	62	79	59	88	65	62	38	35	29
5:00	*	*	244	199	268	222	271	204	250	182	258	202	109	70	57	65
6:00	*	*	608	456	641	425	616	435	567	432	608	437	270	153	135	125
7:00	*	*	904	682	904	690	905	736	878	720	898	707	433	321	256	201
8:00	*	*	699	631	727	663	741	656	792	693	740	661	599	567	412	326
9:00	*	*	653	559	660	560	666	600	726	641	676	590	695	685	571	470
10:00	*	*	561	512	616	592	653	587	736	629	642	580	808	773	658	558
11:00	*	*	563	579	608	630	579	588	694	603	611	600	832	737	645	676
12:00 PM	161	189	671	631	646	604	684	679	677	690	568	559	821	769	725	688
1:00	605	570	660	656	644	627	668	638	748	721	665	642	819	775	675	779
2:00	656	701	706	784	690	709	704	781	819	765	715	748	773	760	558	692
3:00	861	813	865	861	820	873	903	957	983	920	886	885	702	792	568	742
4:00	740	882	833	996	816	919	877	1051	851	929	823	955	618	702	563	707
5:00	638	931	724	1023	701	1072	837	1092	814	973	743	1018	575	668	445	691
6:00	449	610	566	679	548	664	556	693	675	746	559	678	437	606	369	584
7:00	320	369	361	450	365	466	429	518	417	470	378	455	362	461	299	451
8:00	214	276	235	291	251	352	298	354	281	352	256	325	251	330	222	307
9:00	111	181	169	220	170	248	184	266	198	297	166	242	216	278	136	159
10:00	72	94	82	129	94	164	100	163	143	220	98	154	179	222	85	132
11:00	65	79	59	73	57	97	66	105	99	121	69	95	191	162	51	85
Total Day	4892	5695	10382	10576	10430	10739	10968	11260	11557	11260	10574	10692	9891	10019	7581	8619
AM Peak Volume			7:00 904	7:00 682	7:00 904	7:00 690	7:00 905	7:00 736	7:00 878	7:00 720	7:00 898	7:00 707	11:00 832	10:00 773	10:00 658	11:00 676
PM Peak Volume	3:00 861	5:00 931	3:00 865	5:00 1023	3:00 820	5:00 1072	3:00 903	5:00 1092	3:00 983	5:00 973	3:00 886	5:00 1018	12:00 PM 821	3:00 792	12:00 PM 725	1:00 779
Comb Total ADT	10587	ADT: 20,545	20958	AADT: 20,545	21169		22228		22817		21266		19910		16200	



Reports - Speed

Nashua Regional Planning Commission

30 Temple St, Suite 310

Nashua, NH 03060

MANCHESTER ST NORTH OF CHARLOTTE AVE
Town: Nashua
Manchester St Speed Study
September, 2021

Site Code: 99315990000

Daily Totals

Combined

	<= 2	>2 to 4	>4 to 6	>6 to 8	>8 to 10	>10 to 12	>12 to 14	>14 to 16	>16 to 18	>18 to 20	>20 to 22	>22 to 24	>24 to 26	> 26	Total
9/13/2021	0	0	0	1	3	2	1	0	5	2	8	19	66	2,206	2,313
9/14/2021	0	0	0	5	7	1	2	4	6	18	24	48	148	4,539	4,802
9/15/2021	1	0	0	1	2	0	4	5	6	14	18	41	108	4,447	4,647
9/16/2021	0	0	2	1	4	5	1	2	7	18	18	53	132	4,511	4,754
9/17/2021	0	0	0	4	8	7	8	10	8	11	24	69	171	4,365	4,685
9/18/2021	0	1	0	2	6	6	5	13	15	27	35	52	145	3,190	3,497
9/19/2021	0	0	0	1	3	1	6	6	10	12	10	28	61	2,924	3,062
9/20/2021	0	0	0	2	4	0	1	1	2	5	8	29	60	2,695	2,807
Total	1	1	2	17	37	22	28	41	59	107	145	339	891	28,877	30,567

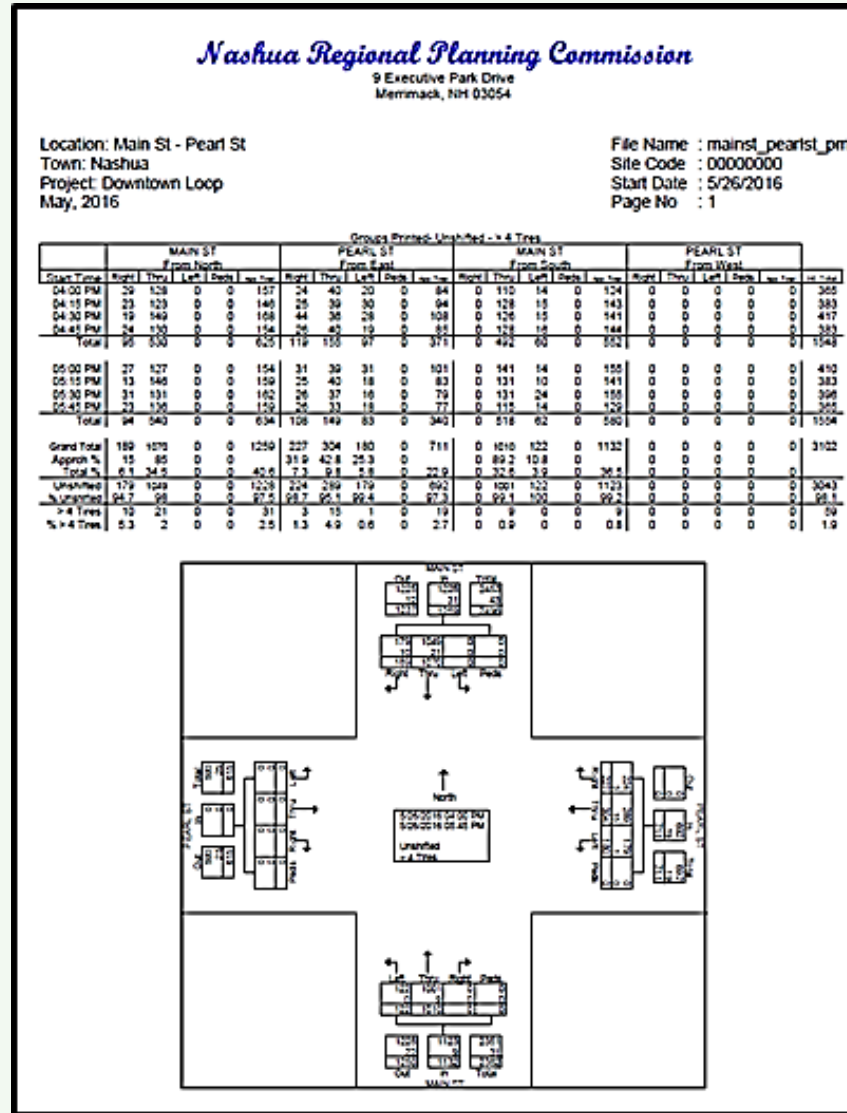
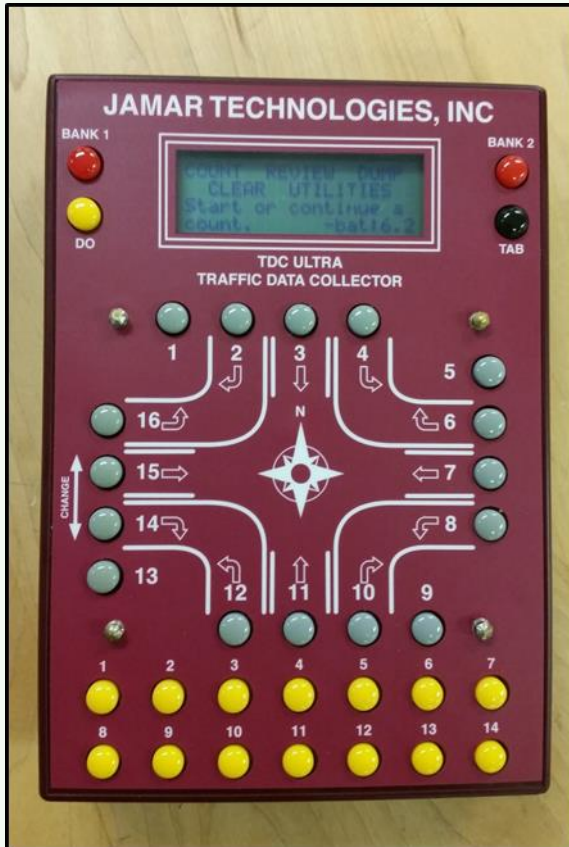
Southbound

	<= 2	>2 to 4	>4 to 6	>6 to 8	>8 to 10	>10 to 12	>12 to 14	>14 to 16	>16 to 18	>18 to 20	>20 to 22	>22 to 24	>24 to 26	> 26	Total
9/13/2021	0	0	0	0	0	2	0	0	2	0	6	12	27	1,129	1,178
9/14/2021	0	0	0	1	4	1	1	1	1	7	10	15	54	2,425	2,520
9/15/2021	0	0	0	1	0	0	1	2	3	9	8	16	62	2,360	2,462
9/16/2021	0	0	1	0	3	3	1	1	4	6	7	21	66	2,411	2,524
9/17/2021	0	0	0	1	5	2	3	5	2	5	9	24	69	2,364	2,489
9/18/2021	0	1	0	0	1	3	1	2	5	11	12	22	48	1,718	1,824
9/19/2021	0	0	0	0	0	0	5	2	5	5	7	10	24	1,532	1,590
9/20/2021	0	0	0	1	1	0	1	1	1	3	1	16	24	1,483	1,532
Total	0	1	1	4	14	11	13	14	23	46	60	136	374	15,422	16,119

Northbound

	<= 2	>2 to 4	>4 to 6	>6 to 8	>8 to 10	>10 to 12	>12 to 14	>14 to 16	>16 to 18	>18 to 20	>20 to 22	>22 to 24	>24 to 26	> 26	Total
9/13/2021	0	0	0	1	3	0	1	0	3	2	2	7	39	1,077	1,135
9/14/2021	0	0	0	4	3	0	1	3	5	11	14	33	94	2,114	2,282
9/15/2021	1	0	0	0	2	0	3	3	3	5	10	25	46	2,087	2,185
9/16/2021	0	0	1	1	1	2	0	1	3	12	11	32	66	2,100	2,230
9/17/2021	0	0	0	3	3	5	5	5	6	6	15	45	102	2,001	2,196
9/18/2021	0	0	0	2	5	3	4	11	10	16	23	30	97	1,472	1,673
9/19/2021	0	0	0	1	3	1	1	4	5	7	3	18	37	1,392	1,472

Reports – Turning Movement Count



2022 Counting Season

2022 Season

- HPMS
 - 118 total locations
- Non-HPMS Volume Counts
 - 16 scheduled so far
 - 1 speed count
- Turning Movement
 - 20 scheduled so far



Traffic Counting Program

THANK YOU!