



## GREEN INTERNATIONAL AFFILIATES, INC.

239 LITTLETON ROAD, SUITE 3 WESTFORD, MA 01886

T: (978) 923-0400 | F: (978) 399-0033 | WWW.GREENINTL.COM

November 25, 2020

Mr. John Lee  
Chairman, Zoning Board of Appeals  
Walpole Town Hall  
135 School Street  
Walpole, MA 02081

**Subject: Diamond Hill Estates, Dupee Street**  
**Response to Tetra Tech Traffic Review**

---

Dear Mr. Lee

As part of the application for the Diamond Hill Estates 40B project and on behalf of the Applicant, Green International Affiliates, Inc. (Green) provided a limited traffic assessment summary in accordance with the current regulations and practices of the Board of Appeals for small residential projects (i.e. under 20 units). The initial memorandum was completed on February 3, 2019 and was updated (dated June 2, 2020) to reflect the site design changes such as the hammerhead turnaround design. We have reviewed the peer review comments provided by Tetra Tech in an October 19, 2020 letter. In relation to traffic items noted in the review letter, there was concurrence by Tetra that the proposed project will generate relatively low new traffic, and that the traffic assessment was carried out appropriately. However, there were a set of comments provided by Tetra Tech that require some response on behalf of the Applicant and these are summarized in the following paragraphs.

For the most part, the traffic related comments (#42 to #48) were either commentary or related to items that may have been addressed in previous documents. However, to be complete, each of these comments has been reviewed and response prepared.

Comment 42 – The project accurately forecasts the relatively minor increases in new traffic and the project traffic is not expected to significantly impact operations at the nearby intersections.

**Response:** We concur with this finding and no further response is required.

Comment 43 – the required sight distances were calculated based on posted speed of 35 mph. Based on conditions observed during our site visit, it appears that actual traffic speeds may be significantly higher. We recommend that application document the 85<sup>th</sup> percentile speed and confirm adequate sight distances.

**Response:** While factual basis for the comment was not provided with the comment: “it *appears* that actual traffic speeds may be significantly higher”, traffic speed data was collected on High Plains Street in the vicinity of Dupee Street. Initially, small sample speed data was obtained for the eastbound direction of traffic approaching Dupee Street near Victoria Street with the use of a radar gun. Data was collected between 12:30PM and 12:45PM on October 23, 2020 with data points reflecting generally every other car approaching the street. These data showed that the average speed approaching Dupee Street from the west at this location was 33 miles per hour on average with the 85<sup>th</sup> percentile speed of 36 miles per hour indicating good compliance with the posted speeds.

As a follow up, two full days of data was collected from November 18 to 19 using an automatic traffic recorder with the placement between Victoria Street and Dupee Street. These data showed that average

speed between 35 and 36 mph with the 85<sup>th</sup> percentile speed between 39 and 40 mph. More than 80% of the traffic in this location is traveling between 32 and 40 mph with nearly 85% at or below 39 mph. The posted speed is 35 mph and the observations indicate generally reasonable compliance with the posted speed limit. Traffic signals short distances east and west of Dupee Street, in addition to creating gaps for side street traffic to enter and exit, also tend to contribute to keeping travel speeds somewhat down with the vehicle slowing and stopping as well as the startup queues from the signals.

That said, actual field measurements of available sight distances and our previous analysis have shown that sight distances that currently exist will meet the criteria for approximately 45 mph to the west and more than 50 mph to the east that in our opinion, are not typical speeds for that section and **exceed** the noted 85<sup>th</sup> percentile speed criteria.

Comment 44 – sight distance triangles should be shown on the approved plans.

**Response:** As indicated in the previously submitted documents, the analysis of sight distances showed that 350 feet exists to the west while more than 800 feet exists to the east and drawings illustrated those findings. In response to this comment and request, sight line triangles that illustrate the areas within the right of way to maintain clear visibility were developed for the 85<sup>th</sup> percentile speed of 40 mph, which would require 305 feet of sight distance in both directions be satisfied. This plan showing these sight line triangles areas are attached as well as been provided to the site design engineer for inclusion in the approved plans.

Comment 45 - ...proposed accommodations for fire truck turnaround are less than ideal and likely prone to be blocked by visiting/resident vehicles or plowed snow. We recommend a cul de sac turnaround ...

**Response:** The current plans provide an acceptable method for fire truck turnaround.

Comment 46 – fire truck turning movements should be shown on the site plans to confirm movements incorporate the most current design ...

**Response:** Fire truck movements based on the Walpole vehicle were evaluated and illustrated using the AutoTurn software, based on the latest site design plans that were made available and included in the June 2020 supplemental material. The evaluation illustrated that fire apparatus can enter/exit Dupee Street and can utilize the internal hammerhead turnaround.

Comment 47 – Pedestrian volumes are expected to be low and the dead end configuration suggests that vehicles using Dupee Street will either be residents or those known to residents decreasing the likelihood of irresponsible vehicle speeds or operation. ... It would be difficult to provide room for a sidewalk on either side of the road.

**Response:** We concur and no further response is required.

Comment 48 – And plans for widening Dupee Street at its intersection with High Plain Street must maintain pedestrian movement along High Plan Street.

**Response:** We concur and recognized this in our set of recommendations as well. The Dupee Street intersection with High Plain Street will be improved with corner radii that can be accommodated within the public right of way. One utility pole will need to be relocated, new ADA compliant ramps at the sidewalk and some general clearing within the sight line triangles within public rights of way. A crosswalk will be installed across Dupee Street as requested by the Chief.

Mr. John Lee  
November 25, 2020

---

We believe this supplemental information with the attachments in combination with the previous memoranda have fully addressed the traffic questions and comments in relation to this proposed project.

Very truly yours,  
**GREEN INTERNATIONAL AFFILIATES, INC.**

*William J Scully*

William J. Scully, P.E.  
Vice President

WJS/-

Attachments

Cc L. Petrozzi

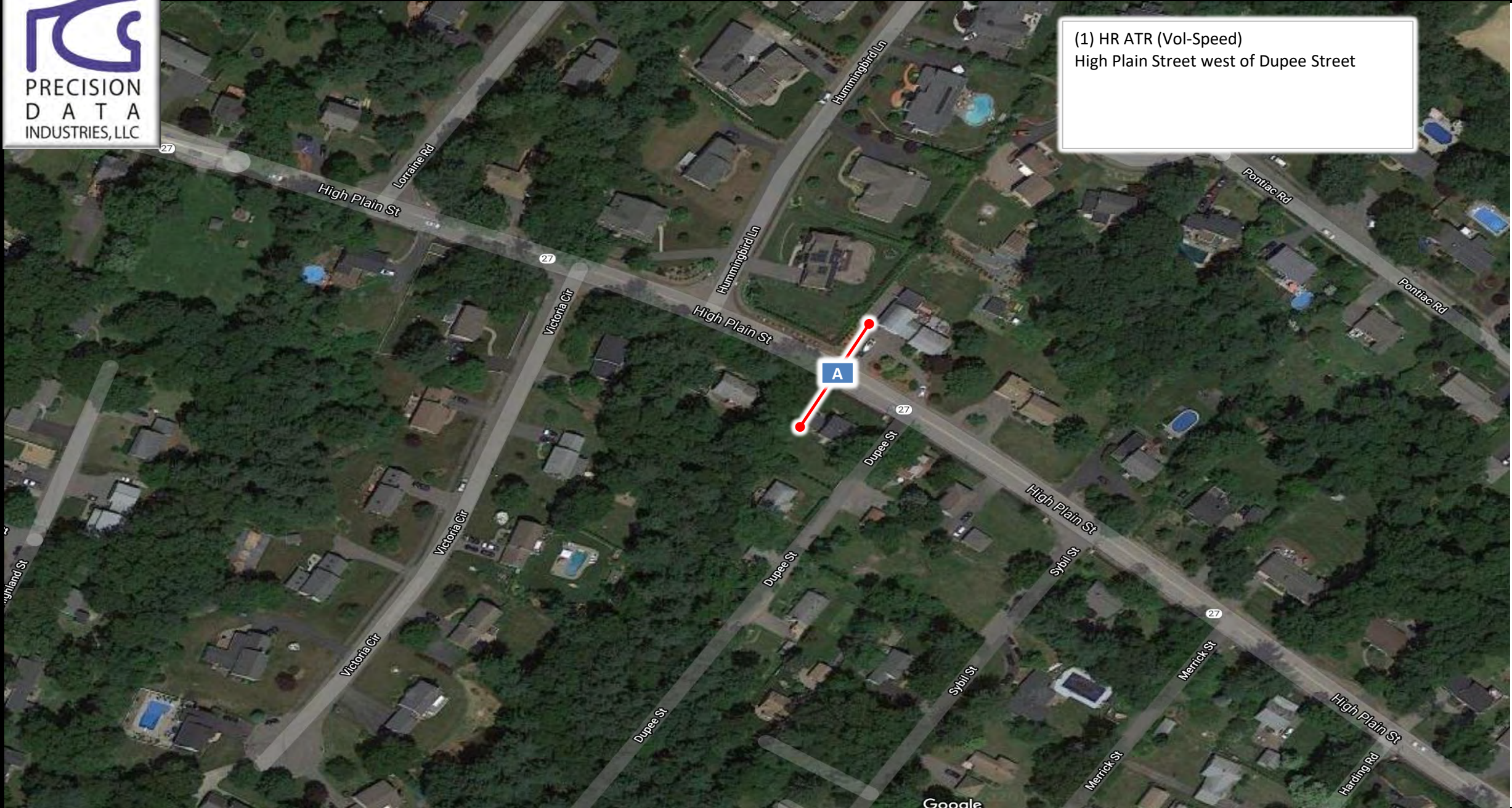




# Location Map: 207709 Walpole, MA

Precision Data Industries, LLC 46 Morton Street, Framingham, MA 01702 ph: 508-875-0100 email: [datarequests@pdillc.com](mailto:datarequests@pdillc.com)

(1) HR ATR (Vol-Speed)  
High Plain Street west of Dupee Street



Client: GIA	Engineer: C. Tobias	Site Code: Task Order #1	Date: Wed 11/18 thru Thurs 11/19/2020	PDI Job # 207709	City, State: Walpole, MA
----------------	------------------------	-----------------------------	--	---------------------	-----------------------------





PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

High Plain Street (Route 27)  
west of Dupee Street  
City, State: Walpole, MA  
Client: GIA/ C. Tobias  
Site Code: Task Order #1

PDI File #: 207709 ATR-A

Count Date:  
Wednesday, November 18, 2020

Volume

EB					WB					Combined							
Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min			
12:00 AM	7		12:00 PM	139	12:00 AM	6		12:00 PM	94	12:00 AM	13		12:00 PM	233			
12:15 AM	3		12:15 PM	121	12:15 AM	4		12:15 PM	89	12:15 AM	7		12:15 PM	210			
12:30 AM	2		12:30 PM	148	12:30 AM	1		12:30 PM	102	12:30 AM	3		12:30 PM	250			
12:45 AM	6	18	12:45 PM	130	538	12:45 AM	1	12	12:45 PM	86	371	12:45 AM	7	30	12:45 PM	216	909
1:00 AM	1		1:00 PM	102		1:00 AM	3		1:00 PM	103		1:00 AM	4		1:00 PM	205	
1:15 AM	1		1:15 PM	124		1:15 AM	4		1:15 PM	98		1:15 AM	5		1:15 PM	222	
1:30 AM	5		1:30 PM	116		1:30 AM	4		1:30 PM	102		1:30 AM	9		1:30 PM	218	
1:45 AM	1	8	1:45 PM	105	447	1:45 AM	2	13	1:45 PM	87	390	1:45 AM	3	21	1:45 PM	192	837
2:00 AM	1		2:00 PM	144		2:00 AM	0		2:00 PM	116		2:00 AM	1		2:00 PM	260	
2:15 AM	2		2:15 PM	132		2:15 AM	4		2:15 PM	89		2:15 AM	6		2:15 PM	221	
2:30 AM	4		2:30 PM	141		2:30 AM	1		2:30 PM	109		2:30 AM	5		2:30 PM	250	
2:45 AM	1	8	2:45 PM	144	561	2:45 AM	1	6	2:45 PM	111	425	2:45 AM	2	14	2:45 PM	255	986
3:00 AM	2		3:00 PM	148		3:00 AM	1		3:00 PM	83		3:00 AM	3		3:00 PM	231	
3:15 AM	2		3:15 PM	167		3:15 AM	6		3:15 PM	108		3:15 AM	8		3:15 PM	275	
3:30 AM	3		3:30 PM	146		3:30 AM	6		3:30 PM	104		3:30 AM	9		3:30 PM	250	
3:45 AM	3	10	3:45 PM	131	592	3:45 AM	2	15	3:45 PM	102	397	3:45 AM	5	25	3:45 PM	233	989
4:00 AM	10		4:00 PM	155		4:00 AM	3		4:00 PM	117		4:00 AM	13		4:00 PM	272	
4:15 AM	12		4:15 PM	149		4:15 AM	6		4:15 PM	111		4:15 AM	18		4:15 PM	260	
4:30 AM	14		4:30 PM	112		4:30 AM	9		4:30 PM	112		4:30 AM	23		4:30 PM	224	
4:45 AM	17	53	4:45 PM	106	522	4:45 AM	10	28	4:45 PM	108	448	4:45 AM	27	81	4:45 PM	214	970
5:00 AM	29		5:00 PM	148		5:00 AM	12		5:00 PM	115		5:00 AM	41		5:00 PM	263	
5:15 AM	31		5:15 PM	121		5:15 AM	16		5:15 PM	118		5:15 AM	47		5:15 PM	239	
5:30 AM	36		5:30 PM	126		5:30 AM	33		5:30 PM	100		5:30 AM	69		5:30 PM	226	
5:45 AM	35	131	5:45 PM	108	503	5:45 AM	45	106	5:45 PM	97	430	5:45 AM	80	237	5:45 PM	205	933
6:00 AM	62		6:00 PM	107		6:00 AM	41		6:00 PM	96		6:00 AM	103		6:00 PM	203	
6:15 AM	61		6:15 PM	94		6:15 AM	52		6:15 PM	92		6:15 AM	113		6:15 PM	186	
6:30 AM	82		6:30 PM	86		6:30 AM	60		6:30 PM	92		6:30 AM	142		6:30 PM	178	
6:45 AM	72	277	6:45 PM	77	364	6:45 AM	109	262	6:45 PM	79	359	6:45 AM	181	539	6:45 PM	156	723
7:00 AM	79		7:00 PM	65		7:00 AM	76		7:00 PM	64		7:00 AM	155		7:00 PM	129	
7:15 AM	123		7:15 PM	64		7:15 AM	101		7:15 PM	60		7:15 AM	224		7:15 PM	124	
7:30 AM	104		7:30 PM	46		7:30 AM	112		7:30 PM	76		7:30 AM	216		7:30 PM	122	
7:45 AM	126	432	7:45 PM	56	231	7:45 AM	105	394	7:45 PM	55	255	7:45 AM	231	826	7:45 PM	111	486
8:00 AM	149		8:00 PM	41		8:00 AM	89		8:00 PM	54		8:00 AM	238		8:00 PM	95	
8:15 AM	112		8:15 PM	49		8:15 AM	99		8:15 PM	51		8:15 AM	211		8:15 PM	100	
8:30 AM	111		8:30 PM	38		8:30 AM	88		8:30 PM	48		8:30 AM	199		8:30 PM	86	
8:45 AM	112	484	8:45 PM	33	161	8:45 AM	121	397	8:45 PM	36	189	8:45 AM	233	881	8:45 PM	69	350
9:00 AM	114		9:00 PM	33		9:00 AM	99		9:00 PM	31		9:00 AM	213		9:00 PM	64	
9:15 AM	102		9:15 PM	23		9:15 AM	87		9:15 PM	31		9:15 AM	189		9:15 PM	54	
9:30 AM	89		9:30 PM	16		9:30 AM	84		9:30 PM	26		9:30 AM	173		9:30 PM	42	
9:45 AM	104	409	9:45 PM	21	93	9:45 AM	91	361	9:45 PM	21	109	9:45 AM	195	770	9:45 PM	42	202
10:00 AM	103		10:00 PM	14		10:00 AM	98		10:00 PM	23		10:00 AM	201		10:00 PM	37	
10:15 AM	89		10:15 PM	24		10:15 AM	77		10:15 PM	18		10:15 AM	166		10:15 PM	42	
10:30 AM	110		10:30 PM	14		10:30 AM	88		10:30 PM	20		10:30 AM	198		10:30 PM	34	
10:45 AM	108	410	10:45 PM	13	65	10:45 AM	105	368	10:45 PM	18	79	10:45 AM	213	778	10:45 PM	31	144
11:00 AM	126		11:00 PM	13		11:00 AM	86		11:00 PM	15		11:00 AM	212		11:00 PM	28	
11:15 AM	132		11:15 PM	9		11:15 AM	83		11:15 PM	8		11:15 AM	215		11:15 PM	17	
11:30 AM	93		11:30 PM	13		11:30 AM	101		11:30 PM	9		11:30 AM	194		11:30 PM	22	
11:45 AM	126	477	11:45 PM	6	41	11:45 AM	116	386	11:45 PM	8	40	11:45 AM	242	863	11:45 PM	14	81
Total	2717		4118			Total	2348		3492			Total	5065		7610		
Percent	39.75%		60.25%			Percent	40.21%		59.79%			Percent	39.96%		60.04%		
Day Total			6835			Day Total			5840			Day Total			12675		
Peak Hour	11:45 AM		2:45 PM			Peak Hour	7:15 AM		4:30 PM			Peak Hour	11:45 AM		3:15 PM		
Volume	534		605			Volume	407		453			Volume	935		1030		
P.H.F.	0.902		0.906			P.H.F.	0.908		0.960			P.H.F.	0.935		0.936		



PRECISION  
DATA  
INDUSTRIES, LLC

46 Morton Street, Framingham, MA 01702  
Office: 508-875-0100 Fax: 508-875-0118  
Email: datarequests@pdillc.com

High Plain Street (Route 27)  
west of Dupee Street  
City, State: Walpole, MA  
Client: GIA/ C. Tobias  
Site Code: Task Order #1

PDI File #: 207709 ATR-A

Count Date:  
Thursday, November 19, 2020

Volume

EB					WB					Combined							
Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min	Start Time:	15 min	60 min	15 min	60 min			
12:00 AM	3		12:00 PM	126	12:00 AM	6		12:00 PM	95	12:00 AM	9		12:00 PM	221			
12:15 AM	2		12:15 PM	111	12:15 AM	6		12:15 PM	100	12:15 AM	8		12:15 PM	211			
12:30 AM	2		12:30 PM	126	12:30 AM	2		12:30 PM	85	12:30 AM	4		12:30 PM	211			
12:45 AM	2	9	12:45 PM	105	468	12:45 AM	1	15	12:45 PM	103	383	12:45 AM	3	24	12:45 PM	208	851
1:00 AM	1		1:00 PM	89		1:00 AM	5		1:00 PM	82		1:00 AM	6		1:00 PM	171	
1:15 AM	2		1:15 PM	112		1:15 AM	3		1:15 PM	122		1:15 AM	5		1:15 PM	234	
1:30 AM	1		1:30 PM	108		1:30 AM	3		1:30 PM	123		1:30 AM	4		1:30 PM	231	
1:45 AM	0	4	1:45 PM	118	427	1:45 AM	1	12	1:45 PM	104	431	1:45 AM	1	16	1:45 PM	222	858
2:00 AM	2		2:00 PM	131		2:00 AM	0		2:00 PM	107		2:00 AM	2		2:00 PM	238	
2:15 AM	3		2:15 PM	141		2:15 AM	3		2:15 PM	101		2:15 AM	6		2:15 PM	242	
2:30 AM	1		2:30 PM	147		2:30 AM	4		2:30 PM	113		2:30 AM	5		2:30 PM	260	
2:45 AM	2	8	2:45 PM	159	578	2:45 AM	1	8	2:45 PM	119	440	2:45 AM	3	16	2:45 PM	278	1018
3:00 AM	3		3:00 PM	178		3:00 AM	0		3:00 PM	87		3:00 AM	3		3:00 PM	265	
3:15 AM	4		3:15 PM	160		3:15 AM	1		3:15 PM	122		3:15 AM	5		3:15 PM	282	
3:30 AM	5		3:30 PM	157		3:30 AM	1		3:30 PM	108		3:30 AM	6		3:30 PM	265	
3:45 AM	2	14	3:45 PM	143	638	3:45 AM	8	10	3:45 PM	131	448	3:45 AM	10	24	3:45 PM	274	1086
4:00 AM	9		4:00 PM	133		4:00 AM	4		4:00 PM	127		4:00 AM	13		4:00 PM	260	
4:15 AM	8		4:15 PM	149		4:15 AM	6		4:15 PM	102		4:15 AM	14		4:15 PM	251	
4:30 AM	14		4:30 PM	141		4:30 AM	6		4:30 PM	122		4:30 AM	20		4:30 PM	263	
4:45 AM	13	44	4:45 PM	152	575	4:45 AM	10	26	4:45 PM	115	466	4:45 AM	23	70	4:45 PM	267	1041
5:00 AM	25		5:00 PM	146		5:00 AM	13		5:00 PM	119		5:00 AM	38		5:00 PM	265	
5:15 AM	25		5:15 PM	133		5:15 AM	23		5:15 PM	96		5:15 AM	48		5:15 PM	229	
5:30 AM	38		5:30 PM	156		5:30 AM	19		5:30 PM	99		5:30 AM	57		5:30 PM	255	
5:45 AM	50	138	5:45 PM	126	561	5:45 AM	50	105	5:45 PM	100	414	5:45 AM	100	243	5:45 PM	226	975
6:00 AM	45		6:00 PM	104		6:00 AM	48		6:00 PM	114		6:00 AM	93		6:00 PM	218	
6:15 AM	65		6:15 PM	93		6:15 AM	68		6:15 PM	108		6:15 AM	133		6:15 PM	201	
6:30 AM	78		6:30 PM	76		6:30 AM	75		6:30 PM	95		6:30 AM	153		6:30 PM	171	
6:45 AM	81	269	6:45 PM	72	345	6:45 AM	106	297	6:45 PM	71	388	6:45 AM	187	566	6:45 PM	143	733
7:00 AM	97		7:00 PM	70		7:00 AM	103		7:00 PM	74		7:00 AM	200		7:00 PM	144	
7:15 AM	134		7:15 PM	83		7:15 AM	125		7:15 PM	67		7:15 AM	259		7:15 PM	150	
7:30 AM	119		7:30 PM	59		7:30 AM	107		7:30 PM	65		7:30 AM	226		7:30 PM	124	
7:45 AM	143	493	7:45 PM	49	261	7:45 AM	109	444	7:45 PM	50	256	7:45 AM	252	937	7:45 PM	99	517
8:00 AM	117		8:00 PM	54		8:00 AM	96		8:00 PM	55		8:00 AM	213		8:00 PM	109	
8:15 AM	131		8:15 PM	62		8:15 AM	80		8:15 PM	47		8:15 AM	211		8:15 PM	109	
8:30 AM	146		8:30 PM	51		8:30 AM	78		8:30 PM	52		8:30 AM	224		8:30 PM	103	
8:45 AM	93	487	8:45 PM	39	206	8:45 AM	146	400	8:45 PM	34	188	8:45 AM	239	887	8:45 PM	73	394
9:00 AM	104		9:00 PM	30		9:00 AM	76		9:00 PM	46		9:00 AM	180		9:00 PM	76	
9:15 AM	97		9:15 PM	22		9:15 AM	92		9:15 PM	44		9:15 AM	189		9:15 PM	66	
9:30 AM	101		9:30 PM	29		9:30 AM	89		9:30 PM	38		9:30 AM	190		9:30 PM	67	
9:45 AM	106	408	9:45 PM	20	101	9:45 AM	93	350	9:45 PM	34	162	9:45 AM	199	758	9:45 PM	54	263
10:00 AM	97		10:00 PM	21		10:00 AM	72		10:00 PM	25		10:00 AM	169		10:00 PM	46	
10:15 AM	95		10:15 PM	27		10:15 AM	74		10:15 PM	18		10:15 AM	169		10:15 PM	45	
10:30 AM	99		10:30 PM	9		10:30 AM	79		10:30 PM	12		10:30 AM	178		10:30 PM	21	
10:45 AM	117	408	10:45 PM	14	71	10:45 AM	88	313	10:45 PM	17	72	10:45 AM	205	721	10:45 PM	31	143
11:00 AM	110		11:00 PM	17		11:00 AM	91		11:00 PM	13		11:00 AM	201		11:00 PM	30	
11:15 AM	120		11:15 PM	11		11:15 AM	83		11:15 PM	10		11:15 AM	203		11:15 PM	21	
11:30 AM	111		11:30 PM	7		11:30 AM	95		11:30 PM	7		11:30 AM	206		11:30 PM	14	
11:45 AM	119	460	11:45 PM	8	43	11:45 AM	122	391	11:45 PM	11	41	11:45 AM	241	851	11:45 PM	19	84
Total	2742			4274		Total	2371			3689		Total	5113			7963	
Percent	39.08%			60.92%		Percent	39.13%			60.87%		Percent	39.10%			60.90%	
Day Total			7016			Day Total			6060			Day Total			13076		
Peak Hour	7:45 AM			2:45 PM		Peak Hour	7:00 AM			3:15 PM		Peak Hour	7:15 AM			2:45 PM	
Volume	537			654		Volume	444			488		Volume	950			1090	
P.H.F.	0.920			0.919		P.H.F.	0.888			0.931		P.H.F.	0.917			0.966	

High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Wednesday, November 18, 2020

**Speed (60-minute)**

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	1	2	5	6	2	1	1	0	0	0	18	45.5	39.8
1:00 AM	0	0	0	1	2	4	1	0	0	0	0	0	0	8	38.0	34.9
2:00 AM	0	0	0	0	0	4	2	2	0	0	0	0	0	8	44.9	40.0
3:00 AM	0	0	0	0	2	2	3	3	0	0	0	0	0	10	47.7	41.4
4:00 AM	0	0	0	2	4	21	15	8	3	0	0	0	0	53	45.2	40.0
5:00 AM	0	0	1	0	15	57	43	15	0	0	0	0	0	131	44.0	39.0
6:00 AM	0	1	0	5	60	116	78	14	3	0	0	0	0	277	42.0	37.6
7:00 AM	0	0	0	22	158	192	56	4	0	0	0	0	0	432	39.0	35.5
8:00 AM	0	0	0	19	162	234	64	4	1	0	0	0	0	484	39.0	35.6
9:00 AM	2	0	0	18	135	202	48	4	0	0	0	0	0	409	39.0	35.5
10:00 AM	0	0	1	14	131	200	57	7	0	0	0	0	0	410	40.0	36.0
11:00 AM	0	1	0	26	141	249	56	3	1	0	0	0	0	477	39.0	35.6
12:00 PM	0	0	3	29	197	242	61	5	0	1	0	0	0	538	39.0	35.1
1:00 PM	0	0	3	32	124	223	60	5	0	0	0	0	0	447	39.0	35.6
2:00 PM	0	0	2	10	216	285	38	10	0	0	0	0	0	561	38.0	35.3
3:00 PM	0	0	0	8	215	298	65	6	0	0	0	0	0	592	39.0	35.7
4:00 PM	1	2	1	26	210	236	43	3	0	0	0	0	0	522	38.0	34.8
5:00 PM	0	2	5	22	192	246	32	4	0	0	0	0	0	503	38.0	34.9
6:00 PM	0	0	1	13	117	192	40	1	0	0	0	0	0	364	39.0	35.6
7:00 PM	0	0	0	4	62	127	34	4	0	0	0	0	0	231	40.0	36.3
8:00 PM	0	0	0	4	34	88	33	2	0	0	0	0	0	161	41.0	36.8
9:00 PM	0	0	1	5	14	43	29	0	1	0	0	0	0	93	41.0	37.0
10:00 PM	0	0	0	3	11	30	16	4	1	0	0	0	0	65	42.0	38.0
11:00 PM	0	0	0	1	7	17	11	4	1	0	0	0	0	41	44.0	38.7
Total	3	6	18	265	2211	3313	891	114	12	2	0	0	0	6835	39.0	35.8
Percent	0.04%	0.09%	0.26%	3.88%	32.35%	48.47%	13.04%	1.67%	0.18%	0.03%	0.00%	0.00%	0.00%			

AM Peak	9:00 AM	6:00 AM	5:00 AM	11:00 AM	8:00 AM	11:00 AM	6:00 AM	5:00 AM	4:00 AM	12:00 AM						8:00 AM
Volume	2	1	1	26	162	249	78	15	3	1	0	0	0			484
PM Peak	4:00 PM	4:00 PM	5:00 PM	1:00 PM	2:00 PM	3:00 PM	3:00 PM	2:00 PM	9:00 PM	12:00 PM						3:00 PM
Volume	1	2	5	32	216	298	65	10	1	1	0	0	0			592

15th Percentile:	32.0 MPH	Average Speed:	35.8 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	3555
85th Percentile:	39.0 MPH	Number in Pace:	5705	Percent of Vehicles > 35 MPH:	52.0%
95th Percentile:	42.0 MPH	Percent in Pace:	83.5%		

High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Wednesday, November 18, 2020

**Speed (60-minute)**

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	1	3	7	1	0	0	0	0	0	0	12	38.0	35.7
1:00 AM	0	0	0	0	4	3	5	1	0	0	0	0	0	13	43.0	38.6
2:00 AM	0	0	0	0	0	6	0	0	0	0	0	0	0	6	38.0	37.3
3:00 AM	0	0	0	2	3	6	3	0	0	1	0	0	0	15	40.9	36.3
4:00 AM	0	0	0	0	2	12	12	1	0	1	0	0	0	28	43.0	39.6
5:00 AM	1	0	0	1	26	54	19	4	1	0	0	0	0	106	41.0	37.0
6:00 AM	0	0	0	1	32	143	73	11	1	0	0	0	1	262	42.0	38.4
7:00 AM	0	0	1	5	99	214	68	7	0	0	0	0	0	394	40.0	36.5
8:00 AM	0	0	1	3	115	210	60	6	1	0	0	0	1	397	40.0	36.5
9:00 AM	0	1	4	17	103	187	43	6	0	0	0	0	0	361	39.0	35.5
10:00 AM	0	0	2	14	101	205	44	2	0	0	0	0	0	368	39.0	35.8
11:00 AM	1	0	0	7	107	204	63	2	1	0	0	0	1	386	40.0	36.4
12:00 PM	0	2	3	4	89	207	56	6	0	1	0	0	3	371	40.0	36.7
1:00 PM	0	1	1	22	125	178	58	3	1	0	0	0	1	390	40.0	35.8
2:00 PM	0	5	2	26	121	199	66	6	0	0	0	0	0	425	40.0	35.5
3:00 PM	0	0	5	10	134	197	45	5	0	1	0	0	0	397	39.0	35.7
4:00 PM	1	0	2	34	149	215	40	5	2	0	0	0	0	448	39.0	35.1
5:00 PM	2	3	2	34	180	171	36	2	0	0	0	0	0	430	38.0	34.3
6:00 PM	1	0	1	17	135	165	38	2	0	0	0	0	0	359	39.0	35.3
7:00 PM	0	0	1	4	55	143	47	4	1	0	0	0	0	255	41.0	36.9
8:00 PM	0	0	0	4	55	100	28	2	0	0	0	0	0	189	40.0	36.2
9:00 PM	0	0	0	2	22	48	31	3	1	0	0	0	2	109	42.0	38.4
10:00 PM	0	0	1	0	21	33	16	7	1	0	0	0	0	79	42.3	37.6
11:00 PM	0	0	0	1	13	12	12	1	1	0	0	0	0	40	42.0	37.5
<b>Total</b>	<b>6</b>	<b>12</b>	<b>26</b>	<b>209</b>	<b>1694</b>	<b>2919</b>	<b>864</b>	<b>86</b>	<b>11</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>5840</b>	<b>40.0</b>	<b>36.1</b>
<b>Percent</b>	<b>0.10%</b>	<b>0.21%</b>	<b>0.45%</b>	<b>3.58%</b>	<b>29.01%</b>	<b>49.98%</b>	<b>14.79%</b>	<b>1.47%</b>	<b>0.19%</b>	<b>0.07%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.15%</b>			

AM Peak	5:00 AM	9:00 AM	9:00 AM	9:00 AM	8:00 AM	7:00 AM	6:00 AM	6:00 AM	5:00 AM	3:00 AM			6:00 AM	8:00 AM
Volume	1	1	4	17	115	214	73	11	1	1	0	0	1	397
PM Peak	5:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	4:00 PM	2:00 PM	10:00 PM	4:00 PM	12:00 PM			12:00 PM	4:00 PM
Volume	2	5	5	34	180	215	66	7	2	1	0	0	3	448

15th Percentile:	32.0 MPH	Average Speed:	36.1 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	32 to 41 MPH	Number of Vehicles > 35 MPH:	3319
85th Percentile:	40.0 MPH	Number in Pace:	4895	Percent of Vehicles > 35 MPH:	56.8%
95th Percentile:	42.0 MPH	Percent in Pace:	83.8%		



High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Wednesday, November 18, 2020

**Speed (60-minute)**

**Combined EB and WB**

Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	2	5	12	7	2	1	1	0	0	0	30	41.0	38.2
1:00 AM	0	0	0	1	6	7	6	1	0	0	0	0	0	21	42.0	37.2
2:00 AM	0	0	0	0	0	10	2	2	0	0	0	0	0	14	42.2	38.9
3:00 AM	0	0	0	2	5	8	6	3	0	1	0	0	0	25	45.2	38.3
4:00 AM	0	0	0	2	6	33	27	9	3	1	0	0	0	81	45.0	39.8
5:00 AM	1	0	1	1	41	111	62	19	1	0	0	0	0	237	43.0	38.1
6:00 AM	0	1	0	6	92	259	151	25	4	0	0	0	1	539	42.0	38.0
7:00 AM	0	0	1	27	257	406	124	11	0	0	0	0	0	826	40.0	36.0
8:00 AM	0	0	1	22	277	444	124	10	2	0	0	0	1	881	40.0	36.0
9:00 AM	2	1	4	35	238	389	91	10	0	0	0	0	0	770	39.0	35.5
10:00 AM	0	0	3	28	232	405	101	9	0	0	0	0	0	778	39.0	35.9
11:00 AM	1	1	0	33	248	453	119	5	2	0	0	0	1	863	39.0	36.0
12:00 PM	0	2	6	33	286	449	117	11	0	2	0	0	3	909	39.0	35.8
1:00 PM	0	1	4	54	249	401	118	8	1	0	0	0	1	837	40.0	35.7
2:00 PM	0	5	4	36	337	484	104	16	0	0	0	0	0	986	39.0	35.4
3:00 PM	0	0	5	18	349	495	110	11	0	1	0	0	0	989	39.0	35.7
4:00 PM	2	2	3	60	359	451	83	8	2	0	0	0	0	970	38.0	34.9
5:00 PM	2	5	7	56	372	417	68	6	0	0	0	0	0	933	38.0	34.6
6:00 PM	1	0	2	30	252	357	78	3	0	0	0	0	0	723	39.0	35.4
7:00 PM	0	0	1	8	117	270	81	8	1	0	0	0	0	486	40.0	36.6
8:00 PM	0	0	0	8	89	188	61	4	0	0	0	0	0	350	40.0	36.5
9:00 PM	0	0	1	7	36	91	60	3	2	0	0	0	2	202	41.0	37.8
10:00 PM	0	0	1	3	32	63	32	11	2	0	0	0	0	144	42.0	37.8
11:00 PM	0	0	0	2	20	29	23	5	2	0	0	0	0	81	43.0	38.1
<b>Total</b>	<b>9</b>	<b>18</b>	<b>44</b>	<b>474</b>	<b>3905</b>	<b>6232</b>	<b>1755</b>	<b>200</b>	<b>23</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>12675</b>	<b>40.0</b>	<b>35.9</b>
<b>Percent</b>	<b>0.07%</b>	<b>0.14%</b>	<b>0.35%</b>	<b>3.74%</b>	<b>30.81%</b>	<b>49.17%</b>	<b>13.85%</b>	<b>1.58%</b>	<b>0.18%</b>	<b>0.05%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.07%</b>			

AM Peak	9:00 AM	6:00 AM	9:00 AM	9:00 AM	8:00 AM	11:00 AM	6:00 AM	6:00 AM	6:00 AM	12:00 AM				6:00 AM	8:00 AM
Volume	2	1	4	35	277	453	151	25	4	1	0	0		1	881

PM Peak	4:00 PM	2:00 PM	5:00 PM	4:00 PM	5:00 PM	3:00 PM	1:00 PM	2:00 PM	4:00 PM	12:00 PM				12:00 PM	3:00 PM
Volume	2	5	7	60	372	495	118	16	2	2	0	0		3	989

15th Percentile:	32.0 MPH	Average Speed:	35.9 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	32 to 41 MPH	Number of Vehicles > 35 MPH:	6874
85th Percentile:	40.0 MPH	Number in Pace:	10523	Percent of Vehicles > 35 MPH:	54.2%
95th Percentile:	42.0 MPH	Percent in Pace:	83.0%		

High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Thursday, November 19, 2020

**Speed (60-minute)**

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	1	4	3	1	0	0	0	0	0	9	42.8	38.6
1:00 AM	0	0	0	0	1	1	1	1	0	0	0	0	0	4	44.7	40.0
2:00 AM	0	0	1	0	2	1	1	3	0	0	0	0	0	8	45.0	37.8
3:00 AM	0	0	0	0	4	3	5	1	1	0	0	0	0	14	44.1	39.6
4:00 AM	0	0	0	1	4	11	17	9	2	0	0	0	0	44	46.0	40.9
5:00 AM	0	0	0	1	11	66	48	9	2	1	0	0	0	138	43.0	39.3
6:00 AM	0	1	0	4	47	136	73	6	2	0	0	0	0	269	41.0	37.6
7:00 AM	0	0	0	30	173	222	58	10	0	0	0	0	0	493	39.0	35.4
8:00 AM	0	0	2	24	128	276	54	3	0	0	0	0	0	487	39.0	35.8
9:00 AM	1	0	2	28	120	198	56	3	0	0	0	0	0	408	39.0	35.5
10:00 AM	0	0	3	23	104	230	45	3	0	0	0	0	0	408	39.0	35.6
11:00 AM	0	0	1	11	167	225	53	2	1	0	0	0	0	460	39.0	35.6
12:00 PM	0	0	1	26	156	218	62	5	0	0	0	0	0	468	39.0	35.4
1:00 PM	0	1	9	21	155	196	37	7	1	0	0	0	0	427	38.0	35.0
2:00 PM	0	0	5	35	240	248	49	1	0	0	0	0	0	578	38.0	34.7
3:00 PM	0	0	3	28	238	299	64	5	0	0	0	1	0	638	39.0	35.3
4:00 PM	0	2	3	39	258	239	32	2	0	0	0	0	0	575	38.0	34.2
5:00 PM	0	0	0	45	254	225	30	6	1	0	0	0	0	561	38.0	34.3
6:00 PM	0	0	0	9	101	179	54	2	0	0	0	0	0	345	40.0	36.2
7:00 PM	0	0	1	10	72	123	49	5	1	0	0	0	0	261	41.0	36.4
8:00 PM	0	0	0	6	43	113	41	3	0	0	0	0	0	206	40.0	36.9
9:00 PM	0	0	0	1	30	44	22	3	1	0	0	0	0	101	42.0	37.0
10:00 PM	0	0	1	2	17	35	14	1	1	0	0	0	0	71	40.0	36.6
11:00 PM	0	0	0	0	6	18	16	1	1	1	0	0	0	43	42.7	38.8
<b>Total</b>	<b>1</b>	<b>4</b>	<b>32</b>	<b>344</b>	<b>2332</b>	<b>3310</b>	<b>884</b>	<b>92</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7016</b>	<b>39.0</b>	<b>35.6</b>
<b>Percent</b>	<b>0.01%</b>	<b>0.06%</b>	<b>0.46%</b>	<b>4.90%</b>	<b>33.24%</b>	<b>47.18%</b>	<b>12.60%</b>	<b>1.31%</b>	<b>0.20%</b>	<b>0.03%</b>	<b>0.00%</b>	<b>0.01%</b>	<b>0.00%</b>			

AM Peak	9:00 AM	6:00 AM	10:00 AM	7:00 AM	7:00 AM	8:00 AM	6:00 AM	7:00 AM	4:00 AM	5:00 AM						7:00 AM
Volume	1	1	3	30	173	276	73	10	2	1	0	0	0	0	0	493

PM Peak		4:00 PM	1:00 PM	5:00 PM	4:00 PM	3:00 PM	3:00 PM	1:00 PM	1:00 PM	11:00 PM		3:00 PM				3:00 PM
Volume	0	2	9	45	258	299	64	7	1	1	0	1	0	0	638	

15th Percentile:	32.0 MPH	Average Speed:	35.6 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	3530
85th Percentile:	39.0 MPH	Number in Pace:	5760	Percent of Vehicles > 35 MPH:	50.3%
95th Percentile:	42.0 MPH	Percent in Pace:	82.1%		

High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Thursday, November 19, 2020

**Speed (60-minute)**

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	4	7	4	0	0	0	0	0	0	15	41.8	37.2
1:00 AM	0	0	0	0	2	6	3	1	0	0	0	0	0	12	42.7	38.3
2:00 AM	0	0	0	1	0	5	2	0	0	0	0	0	0	8	40.0	36.9
3:00 AM	0	0	0	0	3	5	1	1	0	0	0	0	0	10	40.0	37.3
4:00 AM	0	0	0	0	0	12	11	1	2	0	0	0	0	26	42.5	40.6
5:00 AM	0	0	0	0	19	59	21	6	0	0	0	0	0	105	41.0	37.7
6:00 AM	1	0	1	3	53	154	76	8	0	1	0	0	0	297	41.0	37.4
7:00 AM	0	2	0	5	88	247	84	14	0	0	0	0	4	444	41.0	37.3
8:00 AM	1	1	2	10	99	202	73	10	0	0	0	0	2	400	40.0	36.5
9:00 AM	0	0	1	17	93	165	66	5	2	0	0	0	1	350	40.0	36.4
10:00 AM	0	0	0	7	66	167	64	6	2	0	0	0	1	313	40.0	37.0
11:00 AM	0	0	1	7	113	200	63	4	0	0	1	0	2	391	40.0	36.5
12:00 PM	2	1	0	9	112	193	61	5	0	0	0	0	0	383	40.0	36.1
1:00 PM	1	3	1	25	118	217	53	7	2	0	0	0	4	431	40.0	36.1
2:00 PM	2	0	4	19	133	208	66	5	2	0	0	0	1	440	40.0	35.9
3:00 PM	0	2	1	17	147	222	50	8	0	1	0	0	0	448	39.0	35.7
4:00 PM	1	2	4	24	176	213	35	10	0	0	0	0	1	466	39.0	35.0
5:00 PM	2	1	9	26	184	162	29	1	0	0	0	0	0	414	38.0	34.1
6:00 PM	0	0	2	10	146	182	43	2	1	2	0	0	0	388	39.0	35.5
7:00 PM	0	0	3	10	89	111	38	4	1	0	0	0	0	256	40.0	35.7
8:00 PM	0	0	0	4	50	98	34	1	0	0	0	0	1	188	40.0	36.7
9:00 PM	0	0	0	11	33	89	23	3	3	0	0	0	0	162	40.0	36.7
10:00 PM	0	0	0	1	16	34	18	2	1	0	0	0	0	72	41.0	37.5
11:00 PM	0	1	0	0	8	11	17	3	1	0	0	0	0	41	42.0	38.2
<b>Total</b>	<b>10</b>	<b>13</b>	<b>29</b>	<b>206</b>	<b>1752</b>	<b>2969</b>	<b>935</b>	<b>107</b>	<b>17</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>17</b>	<b>6060</b>	<b>40.0</b>	<b>36.2</b>
<b>Percent</b>	<b>0.17%</b>	<b>0.21%</b>	<b>0.48%</b>	<b>3.40%</b>	<b>28.91%</b>	<b>48.99%</b>	<b>15.43%</b>	<b>1.77%</b>	<b>0.28%</b>	<b>0.07%</b>	<b>0.02%</b>	<b>0.00%</b>	<b>0.28%</b>			

AM Peak	6:00 AM	7:00 AM	8:00 AM	9:00 AM	11:00 AM	7:00 AM	7:00 AM	7:00 AM	4:00 AM	6:00 AM	11:00 AM		7:00 AM	7:00 AM
Volume	1	2	2	17	113	247	84	14	2	1	1	0	4	444
PM Peak	12:00 PM	1:00 PM	5:00 PM	5:00 PM	5:00 PM	3:00 PM	2:00 PM	4:00 PM	9:00 PM	6:00 PM			1:00 PM	4:00 PM
Volume	2	3	9	26	184	222	66	10	3	2	0	0	4	466

15th Percentile: 32.0 MPH      Average Speed: 36.2 MPH      Posted Speed Limit: 35 MPH  
 50th Percentile: 36.0 MPH      10 MPH Pace: 32 to 41 MPH      Number of Vehicles > 35 MPH: 3415  
 85th Percentile: 40.0 MPH      Number in Pace: 5018      Percent of Vehicles > 35 MPH: 56.4%  
 95th Percentile: 42.0 MPH      Percent in Pace: 82.8%

High Plain Street (Route 27)  
 west of Dupee Street  
 City, State: Walpole, MA  
 Client: GIA/ C. Tobias  
 Site Code: Task Order #1



PDI File #: 207709 ATR-A

Count Date  
 Thursday, November 19, 2020

**Speed (60-minute)**

**Combined EB and WB**

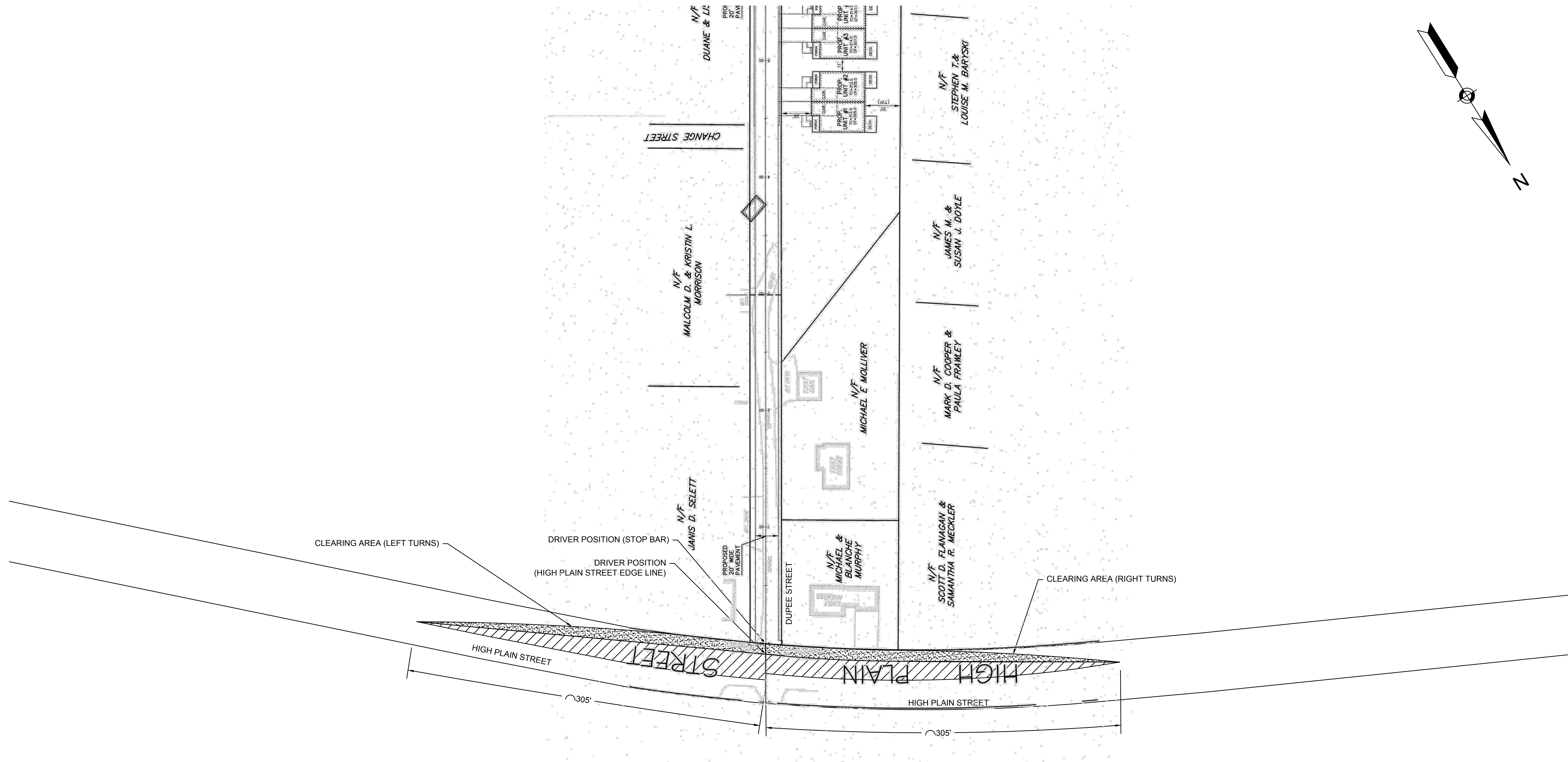
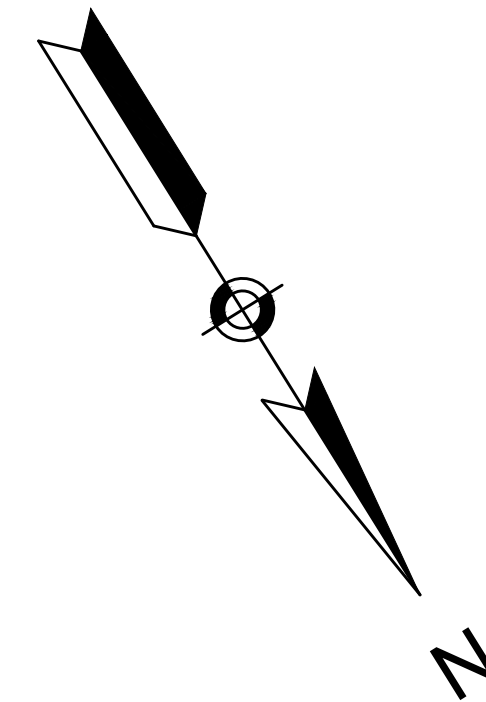
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	0	0	5	11	7	1	0	0	0	0	0	24	42.0	37.7
1:00 AM	0	0	0	0	3	7	4	2	0	0	0	0	0	16	43.8	38.7
2:00 AM	0	0	1	1	2	6	3	3	0	0	0	0	0	16	44.5	37.3
3:00 AM	0	0	0	0	7	8	6	2	1	0	0	0	0	24	43.6	38.6
4:00 AM	0	0	0	1	4	23	28	10	4	0	0	0	0	70	45.7	40.8
5:00 AM	0	0	0	1	30	125	69	15	2	1	0	0	0	243	42.0	38.6
6:00 AM	1	1	1	7	100	290	149	14	2	1	0	0	0	566	41.0	37.5
7:00 AM	0	2	0	35	261	469	142	24	0	0	0	0	4	937	40.0	36.3
8:00 AM	1	1	4	34	227	478	127	13	0	0	0	0	2	887	40.0	36.1
9:00 AM	1	0	3	45	213	363	122	8	2	0	0	0	1	758	40.0	35.9
10:00 AM	0	0	3	30	170	397	109	9	2	0	0	0	1	721	40.0	36.2
11:00 AM	0	0	2	18	280	425	116	6	1	0	1	0	2	851	39.0	36.0
12:00 PM	2	1	1	35	268	411	123	10	0	0	0	0	0	851	40.0	35.7
1:00 PM	1	4	10	46	273	413	90	14	3	0	0	0	4	858	39.0	35.6
2:00 PM	2	0	9	54	373	456	115	6	2	0	0	0	1	1018	39.0	35.2
3:00 PM	0	2	4	45	385	521	114	13	0	1	0	1	0	1086	39.0	35.5
4:00 PM	1	4	7	63	434	452	67	12	0	0	0	0	1	1041	38.0	34.6
5:00 PM	2	1	9	71	438	387	59	7	1	0	0	0	0	975	38.0	34.2
6:00 PM	0	0	2	19	247	361	97	4	1	2	0	0	0	733	39.0	35.8
7:00 PM	0	0	4	20	161	234	87	9	2	0	0	0	0	517	40.0	36.0
8:00 PM	0	0	0	10	93	211	75	4	0	0	0	0	1	394	40.0	36.8
9:00 PM	0	0	0	12	63	133	45	6	4	0	0	0	0	263	41.0	36.8
10:00 PM	0	0	1	3	33	69	32	3	2	0	0	0	0	143	41.0	37.0
11:00 PM	0	1	0	0	14	29	33	4	2	1	0	0	0	84	42.6	38.5
<b>Total</b>	<b>11</b>	<b>17</b>	<b>61</b>	<b>550</b>	<b>4084</b>	<b>6279</b>	<b>1819</b>	<b>199</b>	<b>31</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>17</b>	<b>13076</b>	<b>40.0</b>	<b>35.8</b>
<b>Percent</b>	<b>0.08%</b>	<b>0.13%</b>	<b>0.47%</b>	<b>4.21%</b>	<b>31.23%</b>	<b>48.02%</b>	<b>13.91%</b>	<b>1.52%</b>	<b>0.24%</b>	<b>0.05%</b>	<b>0.01%</b>	<b>0.01%</b>	<b>0.13%</b>			

AM Peak	6:00 AM	7:00 AM	8:00 AM	9:00 AM	11:00 AM	8:00 AM	6:00 AM	7:00 AM	4:00 AM	5:00 AM	11:00 AM		7:00 AM	7:00 AM
Volume	1	2	4	45	280	478	149	24	4	1	1	0	4	937

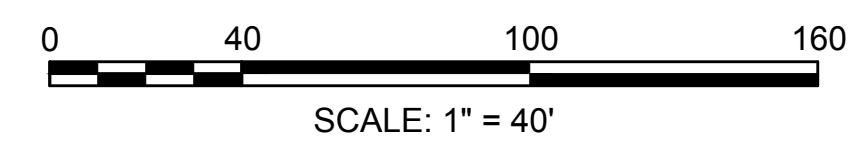
PM Peak	12:00 PM	1:00 PM	1:00 PM	5:00 PM	5:00 PM	3:00 PM	12:00 PM	1:00 PM	9:00 PM	6:00 PM		3:00 PM	1:00 PM	3:00 PM
Volume	2	4	10	71	438	521	123	14	4	2	0	1	4	1086

15th Percentile:	32.0 MPH	Average Speed:	35.8 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	36.0 MPH	10 MPH Pace:	31 to 40 MPH	Number of Vehicles > 35 MPH:	6945
85th Percentile:	40.0 MPH	Number in Pace:	10698	Percent of Vehicles > 35 MPH:	53.1%
95th Percentile:	42.0 MPH	Percent in Pace:	81.8%		





MINIMUM REQUIRED SIGHT DISTANCE BASED ON 40 MPH CRITERIA



PROJECT: <b>DIAMOND HILL ESTATES</b>		
DESIGN SUBMISSION: <b>SIGHT LINE TRIANGLES</b>		
DRAWING TITLE: <b>DUPEE STREET/HIGH PLAIN STREET</b>		
PREPARED FOR: WALL STREET DEVELOPMENT CORP. 2 WARTHIN CIRCLE NORWOOD, MA 02062		
PREPARED BY: <b>GREEN INTERNATIONAL AFFILIATES, INC.</b> TRANSPORTATION   STRUCTURAL   WATER RESOURCES   CIVIL/SITE 239 LITTLETON ROAD, SUITE 3 WESTFORD, MA 01886 978.923.0400   www.greenintl.com		
SCALE: AS NOTED	DESIGNED BY: AV	SHEET NO. <b>1 of 1</b>
DATE: 11/24/2020	DRAWN BY: DP	
PROJECT NO. 20001	CHECKED BY: CT	

11/24/2020 11:02 AM  
 C:\Users\pam\OneDrive\Documents\2020\20001\DWG\20001.dwg  
 User: Pam  
 Plot: 11/24/2020 11:02 AM