DEPARTMENT OF PUBLIC WORKS -- COUNTY OF NASSAU

DIVISION OF ENGINEERING Traffic Engineering Unit

TRAFFIC SIGNAL SURVEY

LOCATION: Woodfield Road @ Lindberg/Linde		stead, NY 1155	52 TSS:
WARRANTS:	Applicable YES NO	Satisfied N	Not Satisfied
1. Eight-Hour Vehicular Volume			
2. Four Hour Vehicular Volume			
3. Peak Hour			
4. Pedestrian Volume			
5. School Crossing6. Coordinated Signal System			
7. Accident Experience			<u> </u>
8. Roadway Network			
9. Intersection Near Grade Crossing			
APPROVAL: Not Recommended	Recommended E	10/21/2 (Date)	-
COMMENTS: A traffic signal is recommended a	as 1 of the 5 applicab	le signal warra	nts were met for this
location. Even though the crash experience warran	nt was not met it wa	s a factor in the	e decision queue the
recent pedestrian accidents that have occurred ne	ar this location. A ne	w traffic signa	al would allow for a
platooned flow of traffic, and would create gaps i	n traffic along Wood	ifield Road. Th	ne signal would also
provide a safer location for pedestrians to cross	and would reduce t	ne likelihood o	of further pedestrian
accidents at or near this location. The NB curve v	varning sign is block	ed by trees. A	work order has been
prepared to modify it to be a W1-10A sign and rel	ocate it so it is more	visible. The ne	w sign would reflect
the offset intersection within the curved area.			
	Recommended 🔀	(Date)	(Initial)
COMMENTS: Conducted PM peak hour			
Gays in traffic on woodfield Rd. i			
us obstructed due to hedger. seeds	ance exiting L	inden look	my South
limit.	S S C WOOD WEND	cyrac	circat an almo
APPROVAL: Not Recommended	Recommended	J	-
COMMENTS:		(Date)	(Initial)
COMMENTS.			
-			
APPROVED:	DENIED:		
COMMENTS: Install signal to pre	unde pedotria	1 Crassing	<u>*. </u>
APPROVED: A COMMENTS: Install signal to pre 2/21/23	There	29. Ti	1
Date	Traffic	Engineering (



TRAFFIC SIGNAL WARRANT REPORT FOR THE REQUEST OF A NEW TRAFFIC SIGNAL

	ld Road @ Lindberg/Lin	nden Street			
Town/Village: Tow	n of Hempstead n: West Hempstead				
	Controlled Intersection	X Existing Ston/Vie	ld Control Intersection	☐ Midblock ☐	Other
Reason For New S			Elected Official	DPW Dther	
Reason For New 5	igital Request.	Resident	Elected Official		`
Nassau County Do above noted inters travelling southbou	ection. The reason for this	as has been requested as request is there was a	to investigate the possi recent crash where a p	bility of installing a traffic pedestrian was fatally struck	signal at the by a vehicle
Traffic Signal War	rant Assessment:				
As per the guidelir performed on the p determine to possib describes the mini	les set forth in the 2009 revailing traffic condition ility of installing a traffic	ns, pedestrian operation is signal. This study inconditions under whicles.	ons, and physical chara luded an analysis of the	es (MUTCD), an engineeri acteristics at the above note e applicable traffic signal wa ic control signal might be j	ed location to arrants, which
Warrant 2: Four-Ho Warrant 3: Peak Ho Warrant 4: Pedestri Warrant 5: School C Warrant 6: Coordin Warrant 7: Crash E: Warrant 8: Roadwa	an Volume Crossing ated Signal System xperience	Satisfied	 Not Satisfied 	 Not Applicable 	
	Location Map Intersection Layout Intersection Photos Applicable Traffic Signa	all approaches ng Movement Counts	Attachmer Attachmer Attachmer Attachmer Attachmer	nt H – Crash Data Summary nt I – Speed Study nt J – Gap Study nt K – Delay Calculations nt L – Collision Diagram nt M – Engineering Assess nt N – Others	
crash experience occurred near thi in traffic along V reduce the likelih by trees. A work	s recommended as 1 of warrant was not met it s location. A new traffit Woodfield Road. The signood of further pedestri	was a factor in the doc signal would allow gnal would also proven accidents at or new document of the second to modify it to be a	ecision queue the record for a platooned flow ide a safer location for this location. The law W1-10A sign and records	for this location. Even the ent pedestrian accidents to of traffic, and would creor pedestrians to cross and NB curve warning sign is elocate it so it is more visit	hat have ate gaps d would blocked
Analyzed by:	GianFabio Fasulo		Traffic Engineer 1		10/21/22
			Title		Date
Reviewed by:					
			Title		Date

ATTACHMENT D

APPLICABLE TRAFFIC SIGNAL WARRANT ANALYSIS



Town/Village:	Town	of Hem	pstead			Er	Engineer: GianFabio Fasulo						
Intersection Location:			lempst	ead			Date:				-		
Major Street:		Woodfield Road Lane				1	Critica		ach Spe		0		
Minor Street:	_indber	lberg/Linden Street Lanes: 1						(Poste	d Speed	1)			
Volume Level Criteria													
1. Is the critical speed of	major sti	or street traffic > 70 km/h (40 mph) ?								Yes	⊠ No		
2. Is the intersection in a	built-up	area of	isolated	d commi	unity of	<10,000) popula	ition?			Yes	⊠ No	
If Question 1 or 2 above is	s answei	red "Ye	s", then	use "70)%" volu	ume leve	el criteri	а			70%	区 100	0%
WARRANT 1 - EIGHT-HO Warrant 1 is satisfied if Cond Warrant is also satisfied if bo	ition A or	Conditio	n B is "1	00%" sa	tisfied.	atisfied.				olicable: atisfied:		Yes Yes	⊠ No □ No
Condition A - Minimum \	/ehicula	ar Volu	me					1		atisfied: atisfied:		Yes Yes	□ No
									Eight I	Highest	Hours		
	Mi	nimum	Vehicu	ılar Vol	ume (vj	ph)							
	1		Shown	in Bra			60	ایٰ	0.0			00	
Approach Lanes	4000/	1	EC9/	the second second second	or moi	re 56%	00:00	00:00	00:00	00:00	00:00	00:00	00:00 00:00
Volume Level	100%	70% 350	56%	100%	70%	336	00	00	00	00	00	00	00
Both Approaches on Major Street	(400)	330	200	(480)	420	550							
Highest Approach	150	105	84	200	140	112							
on Minor Street	(120)			(160)									
Hourl	y Volum	e Thres	hold Me	et?			NO	NO	NO	NO	NO	NO	NO
Record 8 highest hours a minimum volumes are m	and the co et for eigi	orrespon ht hours	ding volu . Condit	ımes in t ion is 80'	ooxes pro % satisfi	ovided. (ed if pare	Condition enthetical	is 100% Volume:	satisfied s are me	d if the t for eigh	t hours.		
Condition B - Interruption										olicable:		Yes	☐ No
Condition B is intended for												□ No	
so heavy that traffic on th	ne minor s	street su	ffers exc	essive d	elay.					atisfied:		Yes	□ No
									80% 58	atisfied:	Ц	Yes	□ No
									Eight I	Highest	Hours		
	Mi	nimum	Vehicu	ılar Vol	ume (v	ph)							
		(80%	Shown	in Bra	ckets)		1		١ ,				ااما
Approach Lanes		1			or mo		0 0 0 0 0 0	00:00 00:00			00:00	000	00.00
Volume Level	100%	70%	56%	100%	70%	56%	188	l 8 8	00	188	ŏŏ	ŏŏ	00
Both Approaches on Major Street	750 (600)	525	420	900 (720)	630	504	0	0	0	0	0	0	0
Highest Approach on Minor Street	75 (60)	53	42	100 (80)	70	56	0	0	0	0	0	0	0
	y Volum	e Thres	hold Me				NO	NO	NO	NO	NO	NO	NO

Record 8 highest hours and the corresponding volumes in boxes provided. Condition is 100% satisfied if the minimum volumes are met for eight hours. Condition is 80% satisfied if parenthetical volumes are met for eight hours.



Town/Village: Town of Hempstead Eng		Engineer:	GianFabio Fasul	0
Intersection Location: West Hempstead Date: Major Street: Woodfield Road Lanes: 1 Minor Street: Lindberg/Linden Street Lanes: 1		Date:	October 20, 202	2
		Lanes: 1	Critical Approach Sp	eed: 30
		(Posted Speed)		
Volume Level Criteria				
	jor street traffic > 70 km/h (40 mph) ?		☐ Yes	☑ No
2. Is the intersection in a bu	☐ Yes	⊠ No		
If Question 1 or 2 above is a	11700/H	ritorio	□ 70%	☑ 100%

WARRANT 2 - FOUR-HOUR VEHICULAR VOLUME

If all four points lie above the appropriate line, then the warrant is satisfied.

Satisfied: ☐ Yes

☐ No

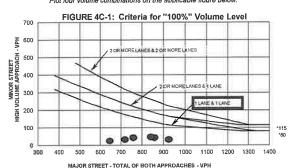
⊠ No

Applicable:

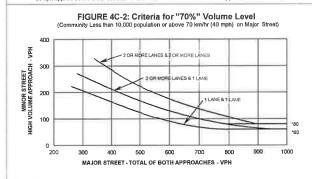
Right/Left Turns

Volumes					
	Major	Higher			
	Streets	Minor			
Time Period	Combined	Street			
7:00 AM - 8:00 AM	707	20			
8:00 AM - 9:00 AM	878	28			
2:00 PM - 3:00 PM	658	19			
3:00 PM - 4:00 PM	747	32			
4:00 PM - 5:00 PM	854	34			
5:00 PM - 6:00 PM	913	23			

Plot four volume combinations on the applicable figure below.



* Note: 115 yoh applies as the lower threshold volume for a minor street approach with two or more lenes and 80 yoh applies as the lower threshold volume (hreshold for a minor street approach with one lene.



*Note: 80 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 60 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

Source: 2009 Manual of Uniform Traffic Control Devices (MUTCD)

*100



TRAFFIC SIGNAL WARRANT SLIMMARY

		JIAL W		11 001111	*I/*\I \ I		
Town/Village:	Town of Hem	pstead		Engineer:	GianF	abio Fasul	0
Intersection Location:	West H	lempstead		Date:	Octo	ber 20, 202	2
Major Street:	Woodfield I	Road		Lanes:		pproach Sp	
Minor Street:	Lindberg/Linde	en Street		Lanes:	<u>1</u> (F	Posted Spee	ed)
Volume Level Criteria							
Is the critical speed	d of major street tra	iffic > 70 km/h	1 (40 mph)	?		☐ Yes	⊠ No
2. Is the intersection					lation?	☐ Yes	⊠ No
If Question 1 or 2 abo	ove is answered "Ye	es". then use '	'70%" volur	ne level crite	ria	□ 70%	⊠ 100%
WARRANT 3 - PEAK If all three criteria are ful then the warrant is satisf	Ilfilled or the plotted po				Applicable: Satisfied:	✓ Yes ✓ Yes below.	□ No ⊠ No
Unusual condition justify	vina		FIGURE	100 0 11	:- F H4000/H34		.1
use of warrant:	,9	600	FIGURE	4C-3: Criter	ia for "100%" V	Diume Leve	21
				2 OR MORE	LANES & 2 OR MORE LANE:		
		500	\rightarrow				
	BEET	400					
	STR				2 OR MORE LANES	1 LANE	
	NOR	300				1 LANE & 1 LANE	
Peak Hour		200			\searrow	T DANE & T LAME	
	MINOR STREET GH VOLUME APPROACH - VPH	200					*150

100

0

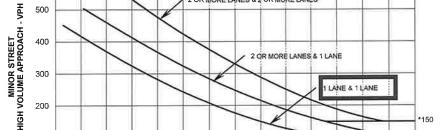
500 400

Criteria

Delay on Minor Approach *(vehicle-hours) * * * * * * * * * * * * * * * * * *				
Approach Lanes	1	2		
Delay Criteria*	4.0	5.0		
Delay*		N/A		
Fulfilled?: ☐ Yes ☒ No				

Volume on Minor Approach *(vehicles per hour) * * * * * * * * * * * * * * * * * *				
Approach Lanes	1	2		
Volume Criteria*	100	150		
Volume*	19	N/A		
Fulfilled?: ☐ Yes ☒ No				

Total Entering Volume *(vehicles per hour) * * * * * * * * * * * * * * * * * *				
No. of Approaches 3 4				
Volume Criteria*	650	800		
Volume*	N/A	968		
Fulfilled?: Yes □ No				



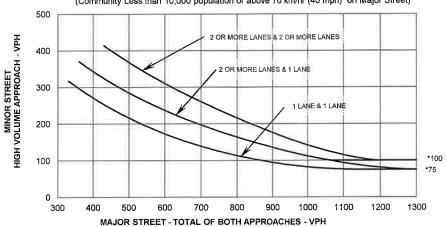
MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

800

* Note: 150 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

FIGURE 4C-4: Criteria for "70%" Volume Level (Community Less than 10,000 population or above 70 km/hr (40 mph) on Major Street)

900 1000 1100 1200 1300 1400 1500 1600 1700 1800



* Note: 100 vph applies as the lower threshold volume for a minor street approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor street approach with one lane.

1400

1300



TRAFFIC SIGNAL WARRANT SUMMARY

Town/Village: Intersection Location: Major Street: Minor Street:	Town of Hempstead West Hempstead Woodfield Road Lindberg/Linden Street	Engineer: Date: Lanes: 1 Lanes: 1	Octo Critical A	Fabio Fasul ber 20, 2022 Approach Sp Posted Spee	2 eed: 30
2. Is the intersection in a b	najor street traffic > 56 km/h (35 mph) ? built-up area of isolated community of <10,000 answered "Yes", then use "70%" volume leve			☐ Yes ☐ Yes ☐ 70%	⊠ No ⊠ No ⊠ 100%
WARRANT 4 - PEDESTR If criteria noted below are fullfi then the warrant is satisfed.	IAN VOLUME Illed and the plotted point lies above the appropriate	line,	Applicable: Satisfied:	⊠ Yes □ Yes	□ No ⊠ No

Criteria

Untona					
1. Distance to Nearest					
Traffic Control *(feet)					
Traffic Cor	ntrol	Signal	STOP		
Criteria (fe	300.0	300.0			
Distance (1	feet)	950.0	N/A		
Fulfilled?:	X Y	′es □	No		

	Volumes				
		All			
	Major	Major St.			
	Street	Crossings			
Time Period	(Vehicles)	(Peds)			
7:00 AM - 8:00 AM	707	6			
8:00 AM - 9:00 AM	878	6			
2:00 PM - 3:00 PM	658	2			
3:00 PM - 4:00 PM	747	0			
4:00 PM - 5:00 PM	854	1			
5:00 PM - 6:00 PM	913	1			

Plot volume combination on the applicable figure below.

FIGURE 4C-5: Warrant 4, Pedestrian Four-Hour Volume 500 TOTAL OF ALL PEDESTRIANS CROSSING MAJOR STREET - (PPH) 400 200 100 *107 0

800

700 MAJOR STREET - TOTAL OF BOTH APPROACHES - VPH

900

1000

1100

1200

*Note: 107 pph applies as the lower threshold volume.

400

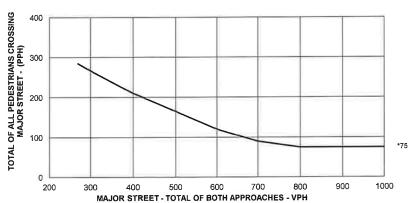
500

600

300

FIGURE 4C-6: Warrant 4, Pedestrian Four-Hour Volume (70% Factor)

(Community Less than 10,000 population or above 56 km/hr (35 mph) on Major Street)



* Note: 75 pph applies as the lower threshold volume.



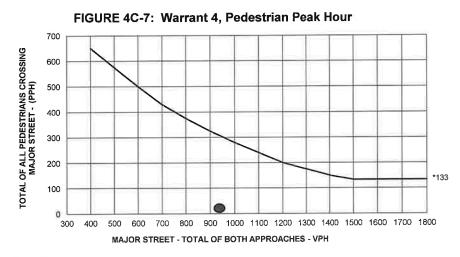
Town/Village: Intersection Location: Major Street: Minor Street:	Town of Hempstead West Hempstead Woodfield Road Lindberg/Linden Street	Engineer:	Octo	GianFabio Fasulo October 20, 2022 Critical Approach Speed: (Posted Speed)	
2. Is the intersection	ed of major street traffic > 56 km/h (35 m in a built-up area of isolated community ove is answered "Yes", then use "70%" v	of <10,000 popula		□ Yes □ Yes □ 70%	⊠ No ⊠ No ⊠ 100%
WARRANT 4 - PEDE If criteria noted below a then the warrant is satis	re fullfilled and the plotted point lies above th sfed.	e appropriate line,	Applicable: Satisfied:		□ No ⊠ No

Criteria

Distance to Nearest					
Traffic Control *(feet)					
Traffic Control	Signal	STOP			
Criteria (feet)	300.0	300.0			
Distance (feet)	950.0	N/A			
Fulfilled?: Yes □ No					

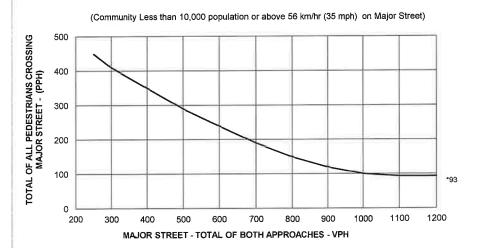
	Volu	ımes
DEAK		All
PEAK HOUR	Major	Major St.
HOOK	Street	Crossings
	(Vehicles)	(Peds)
4:45 PM - 5:45 PM	936	1

1 lot volume combination on the approache ngare seren



* Note: 133 pph applies as the lower threshold volume.

FIGURE 4C-8: Warrant 4, Pedestrian Peak Hour (70% Factor)



^{*} Note: 93 pph applies as the lower threshold volume.



Town/Village:			ngineer: _ Date:		GianFat Octobe			
Intersection Lo Major Street: Minor Street:	Woodfield Road	La	nes: 1		ical App		Speed:	30
Record hour	5 - SCHOOL CROSSING rs where criteria are fulfilled and the corres the boxes provided. The warrant is satisfic		ria	Applicat Satisfi		□ Yes		No No
	Ci	riteria					Fulfi Yes	lled? No
II	minimum of 20 students crossing the major		idents:	Hour:				
	ighest crossing hour. wer adequate gaps in the major street traft	ic stream during the per	iod	Minutes:	Gaps	3:		
	ildren are using the crossing than the num traffic signal along the major street is loca			or the neare	st signal			
	m (300 ft) but the proposed traffic signal wi							
Indicate if the satisfied if e	6 - COORDINATED SIGNAL SY the criteria are fulfilled in the boxes provided ither criterion is fulfilled. This warrant shou and spacing would be less than 300 m (1,0)	l. The warrant is uld not be applied when i	the	Applicat Satisfi		⊠ Yes ⊠ Yes	i 🗆	No No
	C	riteria					Fulfi Yes	lled? No
	ay street or a street that has traffic predom	inately in one direction, t		nt signals are	9			
2. On a two-wa	that they do not provide the necessary deg ay street, adjacent signals do not provide the	ne necessary degree of	olatooning,	and			x	
the propose	d and adjacent signals will collectively prov	ride a progressive opera	tion.					
Record hou	7 - CRASH EXPERIENCE rs where criteria are fulfilled, the correspon in the boxes provided. The warrant is satis		teria	Applicat Satisfi		⊠ Yes □ Yes	141.40.00	No No
	Criteria	Hour		Volume	Me Yes	t? No	Fulfi Yes	lled? No
1. One of the	Warrant 1, Condition A (80% satisfied)	10: 2:05						
warrants to the right	Warrant 1, Condition B (80% satisfied) Warrant 4, Pedestrian Volume							
is met.	at 80% of volume requirements:							
I	80 ped/hr for four (4) hours or							
	152 ped/hr for one (1) hour							
	ial of other remedial measure	Measure tried:						N/A
has failed to 3. Five or more		Number o	f crashes r	per 12 montl	ns:	1		N/A X





Minor Street: Lindberg/Linden Street Lanes: 1	Taxon A Cu - · · ·										
Intersection Location: West Hempstead Major Street: Woodfield Road Lindberg/Linden Street Woodfield Road Lanes: 1 Critical Approach Speed: 3 (Posted Speed) WARRANT 8 - ROADWAY NETWORK Record hours where criteria are fulfilled, and the corresponding volume or other Information in the boxes provided. The warrant is satisfied if at least one of the criteria is fulfilled and if all intersecting routes have one or more of the characteristics listed. WARRANT 8 - ROADWAY NETWORK Applicable: Yes No Net	TOWN/MISUE.	Town	of Hempstead		Engine	eer:		GianFa	bio Fas	ulo	
Major Street: Woodfield Road Lanes: 1 Critical Approach Speed: 3 (Posted Speed)					_			Octobe	er 20, 20	022	
Minor Street: Lindberg/Linden Street Lanes: 1					Lanes:	1	Cr	itical Ap	proach	Speed:	30
Record hours where criteria are fulfilled, and the corresponding volume or other information in the boxes provided. The warrant is satisfied if at least one of the criteria is fulfilled and if all intersecting routes have one or more of the characteristics listed. Met? Fulfilled		Lindber	g/Linden Street		Lanes:	1		(Po	sted Sp	eed)	
Characteristics of Major Routes	1. Both of the criteria to the right are met. 2. Total enterin 1,000 veh/h	a. Total entering volum during a typical week one or more of Warring volume at least r for each of any 5 hrs	ed, and the corresponding warrant is satisfied if a have one or more of the Criteria e of at least 1,000 veh/haday peak hour.	at least one of e characteristic r Warrant:	the criter as listed.	ria g Volume	Satisf	Me Yes	☐ Yes	Fulfil	No
Characteristics of Major Routes The street or highway system that serves as the principal roadway network for through traffic flow. 2. Rural or suburban highway outside of, entering, or traversing a city. 3. Appears as a major route on an official plan. Met? Fulfilled Yes No Yes No Yes No								← Vol	ume		
Characteristics of Major Routes Test No Yes No Yes No Yes No Per No Per No Yes No Per	(Oat. Of Suff	./						·			10
1. Part of the street or highway system that serves as the principal roadway network for through traffic flow. 2. Rural or suburban highway outside of, entering, or traversing a city. 3. Appears as a major route on an official plan. Major Street: Minor Street: Minor Street: Minor Street: Minor Street: Minor Street:			Andreas of Main D								
network for through traffic flow. 2. Rural or suburban highway outside of, entering, or traversing a city. 3. Appears as a major route on an official plan. Major Street: Minor Street: Minor Street: Minor Street:	4.5.4.50					Major	Street	res	140	1.62	No
2. Rural or suburban highway outside of, entering, or traversing a city. Major Street: Minor Street: Minor Street: Minor Street: Minor Street: Minor Street:			nat serves as the princip	ai roadway		_					
Minor Street: 3. Appears as a major route on an official plan. Minor Street: Minor Street: Minor Street:			ontorine estremente	a city							
3. Appears as a major route on an official plan. Major Street: Minor Street:	2. Rural or sub	ourban highway outside of	, entering, or traversing	а сіту.							
Minor Street: Minor Street:									-		
	3. Appears as	a major route on an offici	al plan.								
							Street:				
*						Minor	Ottoot.	!			

Source: 2009 Manual of Uniform Traffic Control Devices (MUTCD)



Town/Village:	Town of Hempstead	Engineer:	GianFabio Fasulo
Intersection Location:	West Hempstead	Date:	October 20, 2022
Major Street:	Woodfield Road	Lanes: 1	Critical Approach Speed: 30
Minor Street:	Lindberg/Linden Street	Lanes: 1	(Posted Speed)

Input Parameters

- 1. Number of Trains per Day _____ 2. Number of Lanes at Track Crossing ____ 3. Clear Storage Distance (D) 4. % of High Occupancy Buses on Minor Street Approach _____ 5. % of Tractor Trailer Trucks on Minor Approach ____
- Adjustment Factors
- 1. Adjustment Factor for Daily Frequency of Rail Traffic _____ (From MUTCD Table 4C-2)
- Adjustment Factor for Percentage of High Occupancies buses ______ (From MUTCD Table 4C-3)
 Adjustment Factor for Percentage of Tractor-Trailer Trucks ______ (From MUTCD Table 4C-4)

WARRANT 9 - INTERSECTION NEAR GRADE CROSSING

Highest Traffic Hour During which Rail Road Traffic Use Crossing	AM	PM
Major Street Volume (Both Approaches - VPH)		
Minor Street Volume (One Approaches - Equivalent VPH **)		
Peak Hour Volume Threshold Met?	NO	NO

⋉ No Applicable: ☐ Yes Satisfied: ☐ Yes ☐ No

- Refer to MUTCD for Figure 4C-9 or 4C-10 to determine if this warrant is
- VPH after applying the adjustment factors in Table 4C-2, 4C-3 and/or 4C-4, if appropriate

Table 4C-2. Warrant 9, **Adjustment Factor for Daily Frequency of Rail Traffic**

Rail Traffic per Day	Adjustment Factor
1	0.67
2	0.91
3 to 5	1,00
6 to 8	1.18
9 to 11	1.25
12 or more	1,33

Table 4C-3. Warrant 9, Adjustment Factor for Percentage of High-Occupancy Buses

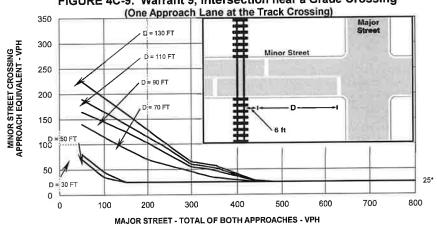
% of High-Occupancy Buses* on Minor-Street Approach	Adjustment Factor
0.0	1.00
2"	1.09
4%	1.19
GH ₀ of more	1,32

A high-occupancy bus is defined as a bus occupied by at least 20 people.

Table 4C-4. Warrant 9, Adjustment Factor for Percentage of Tractor-Trailer Trucks

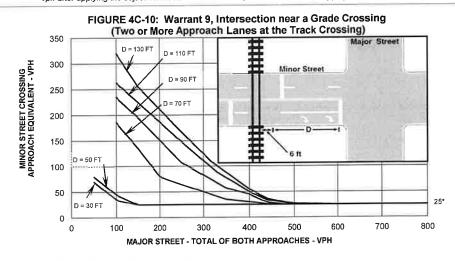
% of Tractor-Trailer Trucks	Adjustment Factor			
on Minor-Street Approach	Diess than 70 feet	D of 70 feet or more		
0° 10 2 5°,	0.50	0.50		
242,30735	ò 76	0.75		
7 6% to 12.5%	1.00	1.00		
12.6 1 17.5	2 30	£15		
17.8% to 22.5%	2.70	1.35		
22.6° (to 27.5° =	3.26	1 (4		
Mare than 27.5%	418	2.00		





* Note: *25 vph applies as the lower threshold volume

** vph after applying the adjustment factors in Table 4C-2, 4C-3 and/or 4C-4, if appropriate



* Note: *25 vph applies as the lower threshold volume

** vph after applying the adjustment factors in Table 4C-2, 4C-3 and/or 4C-4, if appropriate

Source: 2009 Manual of Uniform Traffic Control Devices (MUTCD)

Woodfield Rd @ Lindberg / Linden West Hempstead, NY **NB & SB Traffic**



Location



Latitude: 38.861231 Longitude: -95.741185

Analysis Time Period



Start 10/12/2022 11:44 AM

End 10/17/2022 8:20 AM

Vehicles Analyzed



49,560

Average Speed



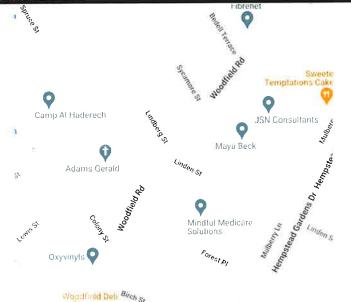
Slowest Speed



10 MPH Pace Speed



28-37



Google Keyboard shortcuts - Map data ©2022 Google - Terms of Use Speed Limit



85th Percentile Speed



38

Fastest Speed



75

% Enforceable Violations



Woodfield Rd @ Lindberg / Linden West Hempstead, NY **NB & SB Traffic**



Volume Sorted by Speed for 10/12/2022 to 10/17/2022

Combine	ed	
Speed	Volume	
(MPH)		38
6	0	
7	864	
8	128	
9	202	
10	90 107	
11	107	
12	115	
13 14	41	
15	94 52	
16	138	
17	144	
18	102	
19	267	
20	157	
21	424	
22	534	
23	343	
24	955	
25	1496	
26	970	
27	2260	
28	1362	
29	3284	
30	4624	
31	2439	
31 32	2439 4711	
31 32 33	2439 4711 2207	
31 32 33 34	2439 4711 2207 4417	
31 32 33 34 35	2439 4711 2207 4417 4026	
31 32 33 34 35 36	2439 4711 2207 4417 4026 2048	
31 32 33 34 35 36 37	2439 4711 2207 4417 4026 2048 2948	
31 32 33 34 35 36 37	2439 4711 2207 4417 4026 2048 2948 1145	
31 32 33 34 35 36 37 38	2439 4711 2207 4417 4026 2048 2948 1145 1923	
31 32 33 34 35 36 37 38 39	2439 4711 2207 4417 4026 2048 2948 1145 1923	
31 32 33 34 35 36 37 38 39 40	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631	
31 32 33 34 35 36 37 38 39 40 41	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996	
31 32 33 34 35 36 37 38 39 40 41 42 43	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574	
31 32 33 34 35 36 37 38 39 40 41 42 43	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219	
31 32 33 34 35 36 37 38 39 40 41 42 43 44	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308	
31 32 33 34 35 36 37 38 39 40 41 42 43 44	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36 73	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36 73	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36 73 35 52	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36 73 35 52 26	
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	2439 4711 2207 4417 4026 2048 2948 1145 1923 1441 631 996 574 219 308 105 219 137 36 73 35 52 26	

Woodfield Rd @ Lindberg / Linden West Hempstead, NY NB & SB Traffic



Volume Sorted by Speed for 10/12/2022 to 10/17/2022

Direction	Y	Lane	1
1 1000000000	^ .	Lane	- 1

Directio	n X, Lane	11
Speed (MPH)	Volume 0 468	
6	0	
7	468	
8	47	
8	66	
10	34	
11	31	
12	42	
13	18	
14	44	
15	24	
16	67	
17	59	
18	59 53	
19	130	
20	130 69	
21	176	
22	179	
23	123	
24	349	
25	469	
26	389	
27	930	
28	571	
29	1365	
30	1939	
31	1081	
32	2286	
33	1146	
34 35	2363 2146	
30	1029	
36 37	1614	
38	695	
39	1083	
40		
41	352	
42	526	
43	343	
44	140	
45	182	
46	72	
47	126	
48	81	
49	24	
50	42	
51	20	
52	34	
53	14	
54 55	. 7	
II 55	44	
56	11 3	

Woodfield Rd @ Lindberg / Linden West Hempstead, NY **NB & SB Traffic**



Volume Sorted by Speed for 10/12/2022 to 10/17/2022

Direction	X	Lane	2
DIIGUIUII	Л,	Lanc	~

Oheea /	/olume 0
VIPT)	0
7	396
/	81
8	400
9	136
10	56
11	76
12	73
13	23
14	50
15	28
16	71
17	85
18	49
19	137
20	88
20	240
21	248
22	355
23	220
24	606
25	1027
26	581
27	1330
28	791
29	1919
30	2685
31	1358
31	2425
32	4004
33	1061
	2054
34	2054
35	1880
35 36	1880 1019
35 36 37	1880 1019 1334
35 36 37	1880 1019 1334
35 36 37 38	1880 1019 1334 450
35 36 37 38 39	1880 1019 1334 450 840
35 36 37 38 39 40	1880 1019 1334 450 840 575
35 36 37 38 39 40 41	1880 1019 1334 450 840 575 279
35 36 37 38 39 40 41 42	1880 1019 1334 450 840 575 279 470
35 36 37 38 39 40 41 42 43	1880 1019 1334 450 840 575 279 470 231
35 36 37 38 39 40 41 42 43	1880 1019 1334 450 840 575 279 470 231 79
35 36 37 38 39 40 41 42 43 44	1880 1019 1334 450 840 575 279 470 231 79 126
35 36 37 38 39 40 41 42 43 44	1880 1019 1334 450 840 575 279 470 231 79 126
35 36 37 38 39 40 41 42 43 44 45	1880 1019 1334 450 840 575 279 470 231 79 126 33
35 36 37 38 39 40 41 42 43 44 45 46	1880 1019 1334 450 840 575 279 470 231 79 126 33 93
35 36 37 38 39 40 41 42 43 44 45 46 47	1880 1019 1334 450 840 575 279 470 231 79 126 33 93
35 36 37 38 39 40 41 42 43 44 45 46 47 48	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56
35 36 37 38 39 40 41 42 43 44 45 46 47 48	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31 15
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31 15
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31 15
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	1880 1019 1334 450 840 575 279 470 231 79 126 33 93 56 12 31





PAINT SIGNAL SIGN

ORDER NO.: 23-423839 DATE: 4/26/2023

LOCATION: SOUTHBOUND WOODFIELD ROAD, NORTH OF BEDELL TERRACE, WEST HEMPSTEAD REQUESTED BY: DANIEL H. WINKELMAN AUTHORIZED BY:

DESCRIPTION OF WORK:

SIGNS: N/A

INSTALL "30" "MPH" 8' LONG WORD MARKING, CENTERED IN SOUTHBOUND WOODFIELD ROAD LANE, 124' NORTH OF BEDELL TERRACE, AS SHOWN.

DETAILS: SEE BELOW.





APPROVED: 762127, Top

INSTALLED BY: _____ DATE: ____ REVIEWED BY: _____





ORDER NO.: 23-423838 DATE: 4/26/2023

LOCATION: NORTHBOUND WOODFILED ROAD, SOUTH OF BIRCH STREET, WEST HEMPSTEAD REQUESTED BY: DANIEL H. WINKELMAN AUTHORIZED BY:

DESCRIPTION OF WORK:

SIGNS: N/A

PAVEMENT MARKINGS: INSTALL "30" "MPH" 8' LONG WORD MARKING, CENTERED IN NORTHBOUND WOODFIELD ROAD LANE, 47' FEET SOUTH OF BIRCH STREET, AS SHOWN.

DETAILS: SEE BELOW.



APPROVED: DATE: 5/6/23

INSTALLED BY: ______ DATE: _____ REVIEWED BY: ______



PAINT

X

SIGNAL

ORDER NO.:	22-409550	DATE:	October 26 th , 2022	
LOCATION:	Woodfield Road @ Colony Street, West Hempstead, NY 11552			
REQUESTED BY:	GianFabio Fasulo	AUTHORIZED BY:	08	

DESCRIPTION OF WORK:

Sign: Remove existing (1) 36" x 36" "Horizontal Alignment" sign (W1-2) and sign assembly located at Woodfield Road @ Colony Street. Install a modified (1) 36" x 36" "Combination Horizontal Alignment/Intersection" sign (W1-10A) on a new sign assembly in the mow strip in front of house #333 on Woodfield Road, approximately 40 feet northeast of original sign location.

Pavement Markings: N/A.

Location: Intersection of Woodfield Road @ Colony Street, West Hempstead, NY 11552. Modified W1-10A sign facing northeast motorists on Woodfield Road.



APPROVED: _	TRAFFIC ENGINEERING	DATE: 11/15/22
Installed By:	Date:	Reviewed By: