



On 09/16/21 I, Off. DiNardo, was assigned a traffic survey requested by Councilman Ladouceur, in regards to the placement of stop signs on the west and east sides of Leroy Ave where it intersects with Carlton Ave.

On 09/18/21, I responded to the intersection of Leroy Ave and Carlton Ave for initial observations. Leroy Ave is a side street off of Warwick Neck Ave which travels west to east and east to west. Turning onto Leroy Ave from Warwick Neck Ave and continuing west, it intersects with Carlton Ave after approximately 1/5th of a mile. There is a steep hill on Leroy Ave with the crest of the hill in the area of Fostmere Ct. The crest of the hill is approximately 400 feet from the intersection of Carlton Ave. Due to this steep grade of the roadway in this area, visibility of the upcoming roadway in the eastbound direction is partially obstructed when coming over the crest of the hill.

I then positioned my vehicle on Carlton Ave at each stop sign, facing each direction (north and south) to proceed onto Leroy Ave. I observed that when positioned on Carlton Ave facing north, the view of Leroy Ave traveling downhill eastbound is obstructed by the bushes/hedges in front of 96 Leroy Ave. While the immediate intersection is clear of obstructions, once a vehicle is seen traveling downhill on Leroy in the direction of the intersection, this does not give the motorist ample time to slow. Additionally, since I measured the width of the roadway at this intersection to be only approximately 18 feet, if a vehicle is turning right onto Leroy eastbound (uphill) from Carlton, in order to make a complete 90 degree turn, depending on the length of the vehicle, it may need to cross partially over into the opposite lane of travel before straightening out. This factor of a narrow roadway, combined with reduced visibility around the corner, and reduced visibility over the crest of the hill for oncoming motorists, can make for dangerous conditions.

It should also be noted that Councilman Ladouceur made mention in his traffic survey request that this area is densely populated, especially with young children, pedestrians, and bicyclists. This is further reason to require safe conditions on this heavily utilized roadway.

The Manual on Uniform Traffic Devices states the following, which in my opinion, is consistent with the present conditions at the intersection in question:

- **Section 2B.06** - A restricted view exists that requires road users to stop in order to adequately observe conflicting traffic on the through street or highway...
- **Section 2B.07** - Locations where a road user, after stopping, cannot see conflicting traffic and is not able to negotiate the intersection unless conflicting cross traffic is also required to stop...
- **Section 2B.07** - The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes...

Based on the above mentioned facts and circumstances, I recommend in favor of the Councilman's request to have stop signs erected on the east and west sides of Leroy Ave where it intersects with Carlton Ave.