



Providence Green and Complete Streets Advisory Council

Jorge O. Elorza, Mayor

Staff Report: Traffic Calming Review – Elmcroft Avenue (For Action)

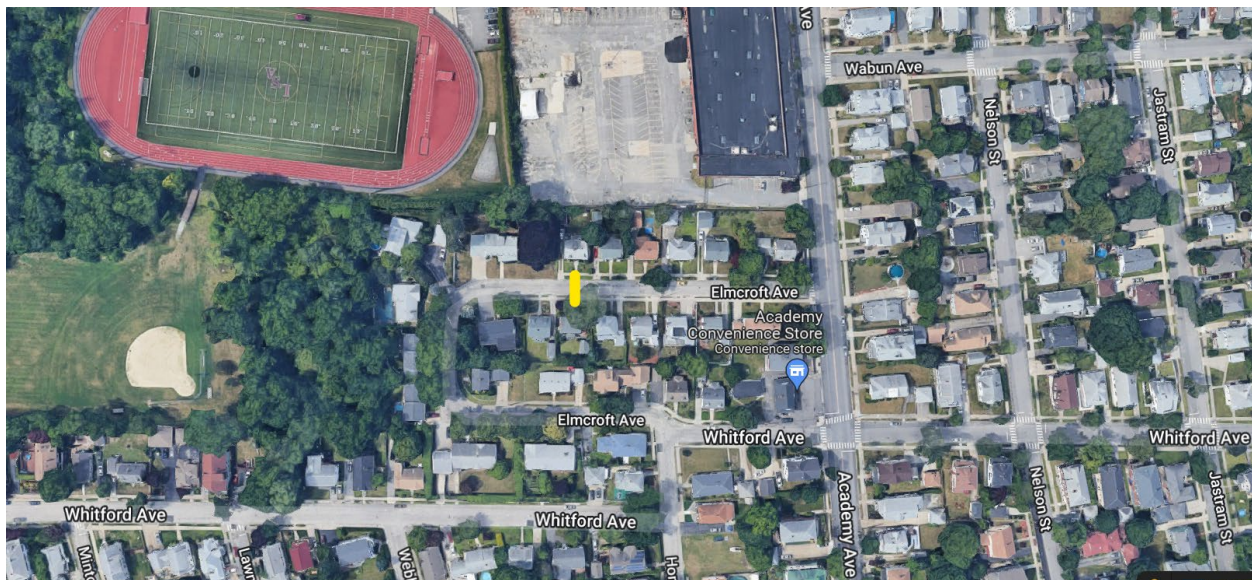
Presented at 4/18/2022 GCSC meeting

Project Background

The traffic calming review procedure described in the Green & Complete Streets ordinance is based around traffic studies. Locations that meet a stricter set of quantitative criteria proceed directly to design, while locations that meet one of the following criteria are eligible for review by GCSC to be potentially added to the queue for design and implementation:

- 5% of motor vehicles traveling faster than 30 mph over the study period on a local or collector road
- 2000 motor vehicles average daily traffic on a local or collector road
- 10 collisions per million vehicle miles over a 3 year period
- 10 persons injured per million vehicle miles over a 3 year period

The location under review at this meeting is Elmcroft Avenue, specifically marked by the yellow line below:



A traffic count was collected 3/30/21 – 4/3/21:

- Percent of motor vehicles traveling faster than 30 mph: **4%** (5% threshold)
- Number of motor vehicles average daily traffic: **111 vehicles/day** (2000 threshold)
- Number of collisions per million vehicle miles: 1 collision = **43 collisions/million vehicle miles** (10 threshold)
- Number of persons injured per million vehicle miles: **0 injuries** (10/million vehicle miles threshold)

DEPARTMENT OF PLANNING AND DEVELOPMENT

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One of the four criteria is met: collisions per million vehicle miles. The percent of vehicles traveling over 30 mph is close to the eligibility threshold but still below it. Neither of the other two criteria are met.

Collisions and injuries per million vehicle miles can be less useful metrics at locations with lower traffic, as even one collision (as is the case here) can dramatically influence the per-million-vehicle-miles metric.

Further Information Requested by GCSC

Crash description: *“On Sunday, October 14, 2018 at approximately 22:24 hrs., Vehicle #1 was operating in a easterly direction on ELMCROFT AVE when, at approximately 0.21 Miles West of intersection of ACADEMY AVE , the Front(12) of the vehicle came into collision with a National Grid Electrical Pole. There were no other injuries reported and no disinterested witnesses approached police. Vehicle #1 sustained damage to the Front(12) and was towed from the scene by K&B Towing. Providence Rescue 3, Lt. Carderelli in charge, was on scene. Operator of vehicle #1 refused medical attention on scene. The front airbags were deployed. Sgt. Sical and National Grid were notified. At the time of this investigation the weather was Clear, the road surface was Dry and the light condition was Dark - Lighted.”*

Request origin: City Council

Staff Recommendations

This location should be denied for preliminary traffic calming approval, due to no relevant traffic data indicating traffic calming is appropriate on this road.

Respectfully submitted by Alex Ellis.