



Providence Green and Complete Streets Advisory Council

Jorge O. Elorza, Mayor

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

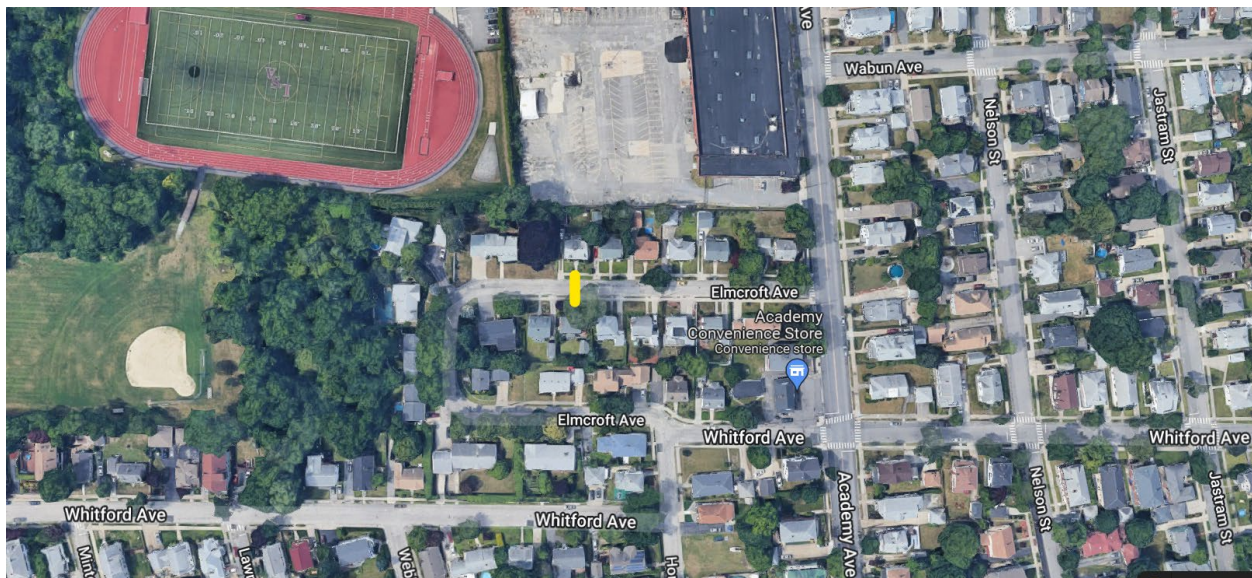
Presented at 4/18/2022 GCSC meeting

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)



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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.

Staff Recommendations

This location should be denied for preliminary traffic calming approval.

Respectfully submitted by Alex Ellis.