

**PUBLIC TRAFFIC/SAFETY COMMISSION
AGENDA REPORT**

TO: Public/Traffic Safety Commission

FROM: Patrick Thomas, Director of Public Works/City Engineer

DATE: January 28, 2021

SUBJECT: Rustic Glen Drive Traffic Calming Concepts

PREPARED BY: Ali Shahzad, Senior Traffic Engineer

RECOMMENDATION: That the Public/Traffic Safety Commission review the Traffic Calming concepts for presentation to residents of the subdivision in the Homeowner's Association for 65% approval of preferred concepts and recommend staff move forward with presenting traffic calming education.

BACKGROUND: Staff received a request from a Rustic Glen Drive resident, Ms. Isabel Valenzuela through Councilman Mike Naggar, to evaluate speeds and cut through traffic and consider traffic calming measures. The resident expressed concerns that speeding is going on throughout the day and noise levels have increased.

Rustic Glen Drive is a forty-four (44) foot wide residential street that functions as a residential collector providing access for numerous residential enclaves to the arterial roadway network. The Average Daily Traffic (ADT) on Rustic Glen Dr. is approximately 1,800 to 2,400 ADT. The road and surrounding streets were recently resurfaced with 25 MPH signs and legends at the beginning of each segment.

Staff gathered vehicular speed and volume data for a seven (7) day period with the recently acquired Armadillo radar data collection device. In addition to data collection, a review of conditions will be performed, including an evaluation of sight distance, collision history, and possibly a license plate survey, if warranted, to verify if cut through traffic exists.

Speed and Volume Data: The radar device was installed mid-block facing west for incoming eastbound traffic from Margarita Rd., also picking up outgoing westbound traffic from Winchester Rd. in the same location. The device yielded the following results:

- The Incoming 85th percentile speed was 32 mph with ADT of 1016 vehicles.
- The Outbound 85th percentile speed was 31 mph with ADT of 902 vehicles.
- Combined ADT 1,918 well within the approx. range of 1,800 to 2,400 ADT of a residential collector, thus indicating no excess cut thru traffic.
- The speeds were within a 7 mph tolerance of the posted 25 mph speed limit, however there were quite a few outliers on the distribution curve through the week.

Sightlines: A recent preliminary field evaluation was conducted of sight distance along the side streets. This evaluation revealed visibility at internal minor stop controlled intersections to be adequate with more than 155' of sight distance for streets with 25 mph speed limit. The traffic volumes were normal with only a few vehicles going in and out from nearby side streets. Minimal through traffic was observed that could be cut-through traffic, and none of the vehicles appeared to be speeding.

Crashes: A review of collision history for the twelve (12) month period from January 1, 2019 to December 31, 2019, indicates there were 3 reported collisions closer to the Margarita –Harveston School Rd. which were driver's faults.

Education and Enforcement

- Neighborhood Traffic Safety Awareness Program – The first step in traffic calming is to educate neighborhood drivers, pedestrians, bicyclists, residents, nonresidents, children, and adults of existing traffic laws and roadway responsibilities. The City of Temecula has developed pamphlets that are geared to providing a greater awareness of the rules of the road.
- Radar Speed Trailer Deployment – When appropriate, the radar speed-monitoring trailer will be used to educate motorists by advising them of their travel speed. The radar speed trailer can also be used to show the residents that actual travel speeds may not be as high as they are perceived.
- LED Speed Limit Advisory Sign – Like the radar speed trailer, the speed limit advisory sign can be used to educate motorists by advising them of their travel speed. The signs will be placed at the requested roadway for extended periods of time, as required.
- Traditional Enforcement – This action is intended to modify driver behavior that will result in safer conditions for neighbors and drivers alike.
 - Speed Limit Signs – Post 25-MPH speed limit signs and pavement markings on residential streets to reinforce the prima facie speed limit.

Staff recommends the following measures be implemented:

- Distribute Neighborhood Traffic Safety Awareness Program Brochure – The first step in traffic calming is to educate neighborhood drivers, pedestrians, bicyclists, residents, nonresidents, children, and adults of existing traffic laws and roadway responsibilities. distribute the Traffic Calming Brochure.
- Staff will continue to monitor vehicular speeds and volumes along Rustic Glen Dr.

FISCAL IMPACT: None.

ATTACHMENTS: Exhibit A – Location Map