

**CITY OF TEMECULA
AGENDA REPORT**

TO: Public/Traffic Safety Commission

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

DATE: May 28, 2020

SUBJECT: Roripaugh Road Traffic Conditions Update

PREPARED BY: Anissa Sharp, Office Specialist II

REVIEWED BY: Ali Shahzad, Senior Traffic Engineer

RECOMMENDATION: That the Public/Traffic Safety Commission recommend the continued use of VCalm Speed Advisory signs on Roripaugh Road at Sanderling Way.

BACKGROUND: In 2012, the Public/Traffic Safety Commission considered a request to implement traffic calming measures on Roripaugh Road between Winchester Road and Nicolas Road to address concerns about excessive vehicular speeds and volumes. A neighborhood traffic calming workshop was held in April 2012 with Roripaugh Hills residents to discuss traffic concerns and identify potential traffic calming measures.

The results of the neighborhood traffic calming workshop along with the resident preferred calming measures were presented to the Commission at their meeting of May 2012. The traffic calming measures included the installation of painted medians, parking lanes and bike lanes on Roripaugh Road between Winchester Road and Nicolas Road. Also considered was the installation of VCalm signs at three (3) locations for northbound and southbound traffic.

Following the installation of the calming measures an “after” study was performed, which revealed that the combination of the striping improvements and VCalm sign placement had significantly reduced vehicular speeds by about 10 MPH at some locations.

At the December 2019 meeting, the Commission received a request to consider the feasibility of implementing traffic calming measures on Roripaugh Road to reduce excessive vehicular speeds and volumes attributed to construction and school peak hour traffic. As the Commission is aware, the intersection of Winchester Road at Nicolas Road was under construction from July 2019 to March 2020, which diverted traffic onto surrounding neighborhood streets such as Roripaugh Road. This alternate route provided access to both Chaparral High School and Winchester Road.

In order to address the concerns about excessive speeds, staff recommended the use VCalm Speed Advisory signs at the intersection of Roripaugh Road and Sanderling Way at the February 2020 meeting. VCalm signs were installed in late April and early May 2020 at the locations requested.

DATA & ANALYSIS: Although traffic is light due to the COVID-19 lockdown, schools are closed and construction is complete at Winchester Road and Nicholas Road intersection; speed data was collected for a 72-hour period for the southbound direction north of Swallow Court (Sign Location Exhibit A). The northbound direction speed data was not collected as the machine malfunctioned and no data was recorded for the week of May 5, 2020.

The southbound summary data shows in the peak speed column that there were 1208 vehicles travelling at less than 25 mph, and 2366 vehicles travelling at 26 to 35 mph and within a tolerance range, from a total of 3996 vehicles. That is $3,574/3,966 = 90.11\%$ vehicles were within an acceptable speed range, while 10 % were speeding. Although an average of 60% vehicles slowed in the higher speed range once they were aware of the speed they were travelling at, which are positive results. There were a few very high speed vehicles with one at 77 mph.

The downloaded data is also presented in Exhibit B and C.

CONCLUSION: Staff recommends the continued use and monitoring of VCalm Speed Advisory signs on Roripaugh Road at Sanderling Way, and occasional Police enforcement.

FISCAL IMPACT: None

ATTACHMENTS:

1. Exhibit A – Location
2. Exhibit B – Roripaugh S/B Stats
3. Exhibit C – Roripaugh S/B Stats Summary