

**CITY OF TEMECULA
AGENDA REPORT**

TO: City Manager/City Council

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

DATE: August 27, 2019

SUBJECT: Approve the Traffic Calming Measures Identified in the Redhawk Parkway/Vail Ranch Parkway Traffic Calming Analysis

PREPARED BY: Jerry Gonzalez, Associate Engineer II - Traffic

RECOMMENDATION: That the City Council approve the recommended traffic calming measures identified in the Redhawk Parkway/Vail Ranch Parkway Traffic Calming Analysis prepared by Willdan Engineering.

BACKGROUND: In July 2018, the Public/Traffic Safety Commission directed Staff to initiate a comprehensive traffic calming analysis of conditions on the Redhawk Parkway/Vail Ranch Parkway “Loop” including the review of roadway conditions such as vehicular speeds and volumes, bicycle and pedestrian activity, school area crossing, and sight distance at key intersections. The goal of the analysis was to develop traffic calming measures including deployment of VCalm signs, striping features, visibility mitigation alternatives and bicycle and pedestrian enhancement features at uncontrolled intersections on the “Loop”.

In September 2018, Willdan Engineering was retained to perform the traffic calming analysis and prepare a comprehensive report that identifies potential traffic calming measures that can be considered for implementation on the “Loop”. The final report was completed in May 2019.

The study included the analysis of speed data, sight distance at twenty-three (23) locations, pedestrian movements at uncontrolled crosswalks, and the evaluation of turning movement and twenty-four (24) hour volume data at various segments and intersections along the “Loop”. The results were used to develop the following recommended measures:

- Road Diet on Vail Ranch Parkway between Redhawk Parkway and Peppercorn Drive
- Reduction of Posted Speed Limit to 40 MPH on Vail Ranch Parkway from Redhawk Parkway to Nighthawk Pass and Redhawk Parkway from Vail Ranch Parkway to Peppercorn Drive
- Modify traffic signal operation to “rest in red” from 10 PM to 6 AM at the five (5) signalized intersection on the “Loop”

- Modify striping and traffic signal operation at the Redhawk Parkway at Vail Ranch Parkway intersection to improve operations at the intersection and adjacent intersections
- Install raised median at the intersection of Redhawk Parkway at Via Salito to restrict egressing left-turn movements
- Modify raised median and install southbound “U-turn” lane at the intersection of Redhawk Parkway at Wolf Valley Road
- Install Rectangular Rapid Flashing Beacon (RRFB) at marked school crosswalk on Vail Ranch Parkway at Camino Rubano
- Establish All-Way Stop control at the intersection of Vail Ranch Parkway at Niclyn Drive/Cinon Drive
- Create dual westbound left-turn lanes at the intersection of Redhawk Parkway at Peppercorn Drive
- Implement VCalm signs at various locations along the “Loop”

The recommended measures are included in the attached Executive Summary.

In June 2019, a summary of the analysis along with the recommendations was presented to the Redhawk Homeowner’s Association, Board of Directors at their regular meeting. The Board and residents in attendance concurred with the recommendations and supported the road diet on Vail Ranch Parkway between Redhawk Parkway and Peppercorn Drive.

At their meeting of June 27, 2019 the Public/Traffic Safety Commission considered the results of the comprehensive report and recommendations and approved the Staff recommendation (5-0) to recommend the City Council approve the recommended traffic calming measures identified in the Redhawk Parkway/Vail Ranch Parkway Traffic Calming Analysis prepared by Willdan Engineering. The Commission also directed Staff to monitor conditions after implementation of the calming measures and provide a follow-up report on the effectiveness of the traffic calming measures.

Steve Libring, Consulting Traffic Engineer, Willdan Engineering, will provide a presentation of the analysis and recommended traffic calming measures.

FISCAL IMPACT: Adequate funds are available in the Public Works, Traffic Division’s Operating Budget Fiscal Year 2019-20, for installation of signing and striping improvements, and traffic control devices. The installation of recommended median improvements will need to be programmed into the City’s Five Year Capital Improvement Program for future allocation of construction funds.

ATTACHMENTS:

1. Location Map
2. Executive Summary