



**CITY COUNCIL AGENDA ITEM NO. E.1**  
**12/12/2023**

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**SUBJECT:** Consider Requests from Vice Mayor Meyer and Council Member Mendoza related to traffic safety enhancements in the Trilogy subdivision.

**DEPARTMENT:** City Manager's Office

**STAFF:** Tim Ogden, City Manager  
Margaret Wimberly, City Clerk

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### **TITLE/RECOMMENDATION**

That the City Council consider and discuss the future agenda item requests

- 1) From Vice Mayor Meyer for continued discussion related to traffic safety mitigation measures for the Trilogy subdivision; and
- 2) From Council Member Mendoza for an update on traffic solutions being implemented related to the Trilogy Subdivision.

### **FISCAL IMPACT**

There is no fiscal impact associated with this action. However, the following traffic safety enhancements have been implemented in the past few weeks by City staff, and cost approximately \$11,000 in staff time, not including materials:

- Restriping crosswalks with ladder-style designs across Vineyards Parkway at the Sacred Mountain Lane/Andalucia Lane and Trilogy Parkway/Solera Street intersections.
- Installed speed radar signs
- Additional landscape trimming near key intersections
- Flashing beacon timing adjustment
- Various Law Enforcement efforts

Staff is currently pursuing grant funding for additional rectangular rapid flashing beacons (RRFBs) which would cost approximately \$16,000 for each installation and require \$300 in annual maintenance.

While not justified or recommended, for reference only, a traffic signal installed in the area would cost approximately \$450,000 and require \$2,500 in annual maintenance.



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### **BACKGROUND**

Pursuant to Council Policy 110-1 Rule 4.4 (b)(2), this item has been placed on the agenda so that Council may discuss it and provide further direction to staff. Pursuant to Section 4.4, Council discussion is limited to whether staff time and City resources should be spent on the item and the time period for scheduling.

### **Police Department**

The police department conducted targeted enforcement over several days in November 2023. During this period, officers used Lidar to obtain a speed-reading from approximately 500 cars, resulting in 6 speeding citations being issued. The average speed of the vehicles captured on Lidar was 34 mph.

As part of the targeted enforcement efforts, two pedestrian crosswalk stings were conducted on different days and times, at the intersection of Vineyard Parkway and Solera Street, as well as Vineyard Parkway and St. Julien. Eight citations were issued to motorists for failing to yield to pedestrians in the crosswalk. The Police Department will continue to monitor this area and issue citations as necessary.

### **Engineering, Public Works, and Parks and Recreation Departments**

Over the past few weeks, staff across City departments coordinated and implemented enhancements on Vineyards Parkway that included the installation of speed radar signs, restriping of crosswalks, and focused landscape trimmings to reinforce speed limits and enhance visibility through the corridor.





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Speed radar signs serve a dual purpose of 1) alerting drivers of their current speed and notifying them to “slow down” if they are over the speed limit and 2) recording maximum speeds of each passing vehicle for later analysis.



Public Works crews in coordination with Engineering replaced existing crosswalks with enhanced crosswalk striping that includes a “ladder crosswalk” design across Vineyards Parkway at the intersections of Solera Street/Trilogy Parkway and Sacred Mountain Lane/Andalucia Lane. This striping configuration is recognized by nationwide traffic experts and agencies as a means to enhance visibility for both drivers and pedestrians, and improves yielding behavior.

Terracare, the City’s landscaping contractor, under the direction of Parks and Recreation, performed focused landscape trimming along Vineyards Parkway to ensure proper sight distances for both motorists and pedestrians are maintained. Additionally, Engineering has evaluated all intersections along Vineyards Parkway and confirms proper stopping sight distance is provided. To incorporate an additional factor of safety, the evaluation considered a 45 mph stopping sight distance criteria even though the posted speed limit is 35 mph.

Lastly, Engineering staff recently applied for grant funding to install additional rectangular rapid flashing beacons (RRFBs) on Vineyards Parkway at Latour



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Ave/Zinfandel Drive, Sacred Mountain Lane/Andalucia Lane, Vintage Place, and Reserve Place/Decanter Circle.

**City Policies and Prior Studies performed on Vineyards Parkway**

New traffic signals

The placement of traffic signals is determined based on a warrant system determined by the Manual of Uniform Traffic Control Devices (MUTCD) to see if any intersection warrants a signal or not (The manual can be accessed at the following website: <https://mutcd.fhwa.dot.gov/pdfs/2009r1r2r3/mutcd2009r1r2r3edition.pdf>). The warrant system considers a number of factors such as accident history, peak hour volume, delay and other factors. None of the intersections have been found to meet a signal warrant and the intersection of Vineyards Parkway and Trilogy Parkway was recently analyzed for traffic signal for the proposed Amphitheater project. The results of the analysis has not been finalized, however staff is not anticipating that a signal warrant will be met.

Speed limit

The speed limit for streets other than residential is determined based on the California Vehicle Code. This is required in order for a police officer to use an electronic device (radar, lidar) to determine a vehicle's speed. The current posted speed limit is 35 mph. Speed limits are set based on speed surveys. The 85th percentile of speeds surveyed, as well as other factors, are used to determine speed limits. This system is based on the theory that most drivers are reasonable and do not want to get in an accident, but do want to get to their destination as quickly as possible. Therefore, a speed at which 85 percent of people drive is typically the highest safe speed for that road.

All-Way Stop signs

Similar to the analysis conducted for a traffic signal, the City uses warrants for the placement of all-way Stop signs. These warrants look at traffic volumes, accident history, and sight distance. The intersection of Vineyards Parkway and Trilogy Parkway has been evaluated on 3 occasions, most recently in August of 2023 and the warrant was not satisfied for an all-way Stop sign.

Speed bumps

The current City policy limits the use of speed bumps or speed tables to streets with a 25 mph posted speed limit. The main reason for this policy is due to the design of the speed bump, which is intended to allow a vehicle to drive over the bump at 25 mph.



**CITY COUNCIL STRATEGIC INITIATIVE**

Not Applicable.

**PREVIOUS ACTION**

Previous Action by the City Council is included on Attachment 1.

**DATE OF NOTICE**

Not Applicable.

**ENVIRONMENTAL DETERMINATION**

Not Applicable.

**ATTACHMENT(S)**

1. Previous Action (if applicable)