

**CITY OF TEMECULA
AGENDA REPORT**

TO: City Manager/City Council

FROM: Ron Moreno, Director of Public Works

DATE: September 24, 2024

SUBJECT: Create an Ad Hoc Committee of the Council to Develop Prioritization Selection Criteria for Future Traffic Signal Locations

PREPARED BY: Nick Minicilli, Senior Civil Engineer
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RECOMMENDATION: That the City Council create an ad hoc committee to develop prioritization selection criteria for future traffic signal locations.

BACKGROUND: At the April 25, 2024, Traffic Safety Commission, City staff presented a priority list of the top intersections in the City that could warrant traffic signals in the future.

The top six future traffic signal locations, in no order of priority, are shown below:

- Margarita Road at Jedediah Smith Road,
- Rancho Vista Road at Temecula Valley High School/Avenida De La Reina
- Nicolas Road at Joseph Road
- Nicolas Road at Calle Medusa
- La Serena Way at Calle Medusa
- Deer Hollow Way and Great Oak High School

The traffic signal priority list was developed based on intersection geometrics and general engineering judgment and not by an established criteria for purposes of ranking. The list does not consider traffic signals that the City already has in design or is included on a future Capital Improvement Project (see Attachment 1).

Funding for the traffic signals is typically through Developer Impact Fees (DIF). When DIF funding is available, the intersections listed below will be considered for a traffic signal installation. There is no timetable for traffic signal installation for any of the above intersections.

While the intersections above are on the priority list, it does not necessarily mean they are warranted for traffic signal installation. The proposed traffic signal locations will still need to undergo a traffic signal warrant analysis based on the California Manual on Uniform Traffic Design (CAMUTCD) to make sure they are justified prior to design and construction.

Although this isn't a comprehensive list of all potential future traffic signals, feedback has been received that other intersection locations in the City, such as Butterfield Stage Road and Rancho Vista, should now be considered. In addition, City staff has had multiple conversations, meetings and interest shown with Mayor Pro Tem Kalfus on the topic of signal criteria, history and warrants. Staff recommends that an Ad Hoc Committee be created to help determine the prioritization selection criterion for future traffic signal locations and to update/rank the existing traffic signal priority list. The ranking criteria should be based on CAMUTCD traffic signal warrants, of which there are nine different warrants. Staff recommend utilizing an on-call traffic consultant to help develop the criteria and ultimately perform the ranking of future traffic signal locations as the analysis for the large number of intersections will be time intensive.

Staff recommends the Council approve the recommendation for creation of an Ad Hoc Committee to develop prioritization selection criteria for future traffic signal locations.

FISCAL IMPACT: To be determined.

ATTACHMENTS: Traffic Signal Priority List