

**CITY OF TEMECULA
AGENDA REPORT**

TO: City Manager/City Council

FROM: Ron Moreno, Director of Public Works/City Engineer

DATE: July 14, 2026

SUBJECT: Establish All-Way Stop Control at the Intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way

PREPARED BY: Nick Minicilli, Principal Traffic Engineer
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RECOMMENDATION: That the City Council adopt a resolution entitled:

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF TEMECULA ESTABLISHING AN ALL-WAY STOP CONTROL AT THE INTERSECTION OF WOLF CREEK DRIVE SOUTH AND COTTONWOOD DRIVE-SILVER MINE WAY AND FINDING THAT THE ACTION IS EXEMPT FROM CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) UNDER SECTION 15301(C) OF THE CEQA GUIDELINES

BACKGROUND: In 2025, City of Temecula staff received a request via Councilmember Matt Rahn to consider the feasibility of implementing all way stop controls to address concerns of excessive speeding and lack of safe pedestrian crossings on Wolf Creek Drive South at Cottonwood Drive-Silver Mine Way (Exhibit A). The request for an all-way stop and pedestrian controls at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way would be to provide controlled access for residents to cross Wolf Creek Drive South. In January 2026, field reviews were performed by staff at this intersection and, based on vehicular and pedestrian activity observed, it was determined that the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way warranted further analysis for stop and pedestrian controls.

Wolf Creek Drive South is a forty-four (44) foot wide residential collector roadway providing access to numerous single-family residences between Wolf Valley Road and Pechanga Parkway. The posted speed limit on Wolf Creek Drive South is 35 MPH and the Average Daily Traffic (ADT) volume on is approximately 6,000 ADT. Recent speed data collection confirmed an 85th percentile speed of 39 MPH for this stretch of Wolf Creek Drive South.

ADT refers to the total number of vehicles that travel on a specific road or highway on an average day over a year. This metric is essential for understanding traffic flow patterns, planning

transportation infrastructure, and evaluating traffic trends in various regions.

The 85th percentile speed is the speed at or below 85% of drivers travel under free-flow conditions on a roadway. This metric is crucial for traffic engineers as it reflects the typical speed of "reasonable and prudent" drivers, helping to determine appropriate speed limits and traffic calming measures.

Cottonwood Drive and Silver Mine Way are thirty-six (36) foot wide local residential roadways that provide access to Wolf Creek Drive South for numerous single-family residences located within the neighborhood. Cottonwood Drive and Silver Mine Way both have a speed limit of 25 MPH and carry approximately 700 ADT.

In May 2026, staff generated speed and volume data between January 2025 through December 2025 using Streetlight Data software. Over this one-year period, review of prevailing (85th percentile) speeds indicates that speeds vary from 39 to 41 miles per hour during peak AM and PM hours on posted 35 MPH segments of Wolf Creek Drive South. The results of the speed data review indicate that speeding is occurring consistently throughout the day.

The collected volume data was used to evaluate entering volumes and prevailing speeds for the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way. In addition to the data collection, a review of intersection characteristics and conditions was performed, which included an evaluation of sight distance, collision history, and completion of a multi-way stop warrant analysis at both intersections.

An evaluation of sight distance was performed at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way. A minimum unobstructed sight distance of 250 feet is required for the posted 35 MPH speed limit on Wolf Creek Drive South. The results of the evaluation are shown in the table below:

<i>Location</i>	<i>Sight Distance</i>	<i>Required Visibility (Posted 35 MPH)</i>
<u>Cottonwood Dr (Southbound)</u>		
• Looking East	500'	250'
• Looking West	400'	250'
<u>Silver Mine Way (Northbound)</u>		
• Looking East	530'	250'
• Looking West	450'	250'

As shown, the visibility at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way is more than adequate for the posted speed limit.

A review of the collision history for the three (3) year period from January 1, 2023, to December 31, 2025, indicates there was one (1) reported collisions at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way.

The Multi-Way Stop Sign Installation Policy (Policy) for Residential Streets' warrant criteria was

used to evaluate the need for multi-way stop signs at the intersection. The warrants allow for the installation of multi-way stop signs when the following conditions are satisfied:

1. Minimum Traffic Volumes

- a. The total vehicular volume entering the intersection from all approaches is equal to or greater than three hundred (300) vehicles per hour for any eight (8) hours of an average day; and
- b. The combined vehicular volume and pedestrian volume from the minor street is equal to or greater than one hundred (100) per hour for the same eight (8) hours.

2. Collision History

- a. Three (3) or more reported collisions within a twelve (12) month period of a type susceptible to correction by a multi-way stop installation. Such accidents include right and left-turn collisions as well as right-angle collisions.

3. Roadway Characteristics

- a. The traffic volume on the uncontrolled street exceeds two thousand (2,000) vehicles per day,
- b. The intersection has four (4) legs, with the streets extending 600 feet or more away from the intersection on at least three (3) of the legs,
- c. The vehicular volumes on both streets are nearly equal to a forty/sixty percent (40/60%) split, and
- d. Both streets are 44 feet wide or narrower.

Warrants for Minimum Traffic Volumes, Collision History and Roadway Characteristics must be met to justify the installation of a multi-way stop. Other criteria that may be considered when evaluating the need for multi-way stop signs include:

4. Visibility

- a. The intersections sight distance is less than:
 - 150 feet for 25 MPH
 - 200 feet for 30 MPH
 - 250 feet for 35 MPH

5. The need to control left-turn conflicts.

6. The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes such as schools, parks and activity centers.

7. The roadways and intersection appear on a Suggested Route to School plan.

8. There are no traffic signals or all-way stop controls located within 600 feet of the intersection.

9. The installation of multi-way stop signs is compatible with overall traffic circulation needs of the residential area.

The multi-way stop warrant analysis determined that the required Warrants 1, 2 & 3 were not

satisfied and all-way stop controls are not justified at the intersection based on quantitative data.

The Policy does however provide the flexibility to consider the need to control vehicle and pedestrian conflicts near locations that generate high pedestrian volumes such as schools, parks and activity centers. During field reviews, staff noticed elevated amounts of pedestrian traffic based on Wolf Creek Drive South having activity centers like Temecula Luiseno Elementary School, Wolf Creek Park, and Patricia H. Birdsall Sports Park. Staff also observed some elevated speeds by motorists on Wolf Creek Drive South. Based on the review of the intersection under these criteria, and the fact that it acts as a suggested school route, staff have determined there is justification for all-way stop controls at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way.

Establishing all-way stop controls and striped pedestrian crosswalks at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way supports the City's core values in the Quality-of-Life Master Plan (i.e., A Safe and Prepared Community).

At the Planning Commission Traffic Subcommittee meeting on May 20, 2026, the Traffic Subcommittee considered the all-way stop and agreed with the staff recommendation that the City Council adopt an Ordinance establishing the all-way stop at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way.

Staff recommend establishing all-way stop controls and striped pedestrian crosswalks at the intersection of Wolf Creek Drive South and Cottonwood Drive-Silver Mine Way.

FISCAL IMPACT: Minor cost associated with the recommended action.

ATTACHMENTS:

1. Resolution
2. Exhibit A - Location Map
3. Exhibit B - Multi-Way Stop Warrant Analysis