



City Council Staff Report

Subject: 2025 Engineering and Traffic Survey

Date: October 14, 2025

Submitted By: Wolf Stephenson, Assistant Civil Engineer
David Mohlenbrok, Community Development Director

Department: Community Development

Recommendation:

Introduce, Waive the Full Reading and Read by Title Only, an Ordinance of the City Council of the City of Rocklin Amending Chapter 10.11 of Title 10 of the Rocklin Municipal Code Related to Speed Limits within the City of Rocklin.

Background:

California Vehicle Code (CVC) Section 22357 allows local authorities, such as cities or counties, to establish speed limits on local roads by adopting an ordinance based on an Engineering and Traffic Survey (E&TS). This survey provides the studies and analysis needed to set appropriate vehicle speed limits, and is required for the use of radar or other approved electronic devices to enforce speed limits. Section 40802 of the CVC requires that an ET&S be conducted at least once every 5 years. The validity of a survey may be extended to ten years, or up to fourteen years under certain conditions, if no significant changes to the roadway characteristics or surrounding land uses have occurred.

The California Department of Transportation (Caltrans) has established standards and procedures for conducting an E&TS. Speed limits are generally established at or near the 85th percentile speed. The 85th percentile speed, also referred to as the critical speed, is defined as the speed at or below which 85 percent of traffic is moving in free-flow conditions. State and Federal law requires that the speed limit is set at the 5 MPH increment closest to the critical speed. Speed limits established on this basis conform to the consensus of those who drive on the roadways as to what speed is reasonable and safe under normal driving conditions. The survey must also consider factors such as, accident records, highway and roadside conditions, and the physical characteristics of the roadway, including:

- Roadway geometrics, shoulder condition, grade alignment, and sight distance;
- Roadside development, zoning, and environment;
- Parking practices, bicycle and pedestrian activity;
- Driveway density; and
- Signalized or stop-controlled intersections.

Over the years the City of Rocklin has conducted E&TS for different areas of the city at different times, resulting in numerous expiration dates. Although the most recent E&TS was adopted in December 2023, staff has recently undertaken a comprehensive update in an attempt to get as much of the city as possible on the same cycle.

Staff utilized an on-call contract with W-Trans to conduct the 2025 Engineering and Traffic Survey (Attachment 3). W-Trans evaluated 85 segments of roadway within the City and determined 17 segments will retain their current speed limits. In addition, 10 segments were excluded from the study because they currently have a 25-mph speed limit and are classified as a local street, either on the California Road System Map approved by the Federal Highway Administration or as defined by CVC Section 40802. A summary is included as Attachment 2.

Four segments require a re-survey before a recommendation can be finalized:

- Sierra College Boulevard, from Granite Drive to Bass Pro Drive/Dominguez Road.
- Sierra College Boulevard, from Rocklin Road to the City of Roseville border.
- University Avenue, from Whitney Ranch Parkway to Ranch View Drive.
- Whitney Ranch Parkway, from Highway 65 to Wildcat Boulevard.

The remaining 54 segments have been extended through 2032 with no changes to their existing speed limits, as no significant changes have occurred since the speed limits were last reviewed.

Fiscal Impact:

There is no direct fiscal impact associated with the staff recommendation.

ATTACHMENTS:

1. [Ordinance](#)
2. [2025 Engineering and Traffic Survey Summary](#)
3. [2025 Engineering and Traffic Survey](#)