

MAYOR AND COUNCIL COMMUNICATION

DATE: March 4, 2025

TO: Mayor and Council

FROM: David Dimaline, Public Works Assistant Director

THROUGH: Dr. Crystal Caldera, City Manager

SUBJECT: Presentation and Discussion on an Ordinance Authorizing a Budget Adjustment for Fiscal Year 2025 Red Light Camera Fund Budget in the Amount of \$27,847 for the Purpose of Increasing the Traffic and Safety Department Budget to Provide Funding for the Purchase and Installation of an Intersection Conflict Warning System (ICWS) at the Intersection of Evers Rd. and Adair Dr. (1st Reading as Required by City Charter)

SPONSOR(S): N/A

Purpose

This M & C is to consider approval of an Ordinance authorizing a budget adjustment to provide additional funding for the purchase and installation of an Intersection Conflict Warning System at the Intersection of Evers Rd. and Adair Dr.

A traffic safety assessment was conducted to re-evaluate existing traffic conditions at the Evers Rd. and Adair Dr. intersection. This intersection provides a single access point for 27 properties located along Adair Dr. and Countess Adria to Evers Rd. The existing speed limit along Evers Rd. is 30 m.p.h. In the month of December 2024, the traffic counts were approximately 8,500 cars per day, with an average speed limit of 32 m.p.h. The 95th percentile was 39 m.p.h., meaning 5% of vehicles on the road traveled at or below 39 m.p.h. Two other data sets from previous months show the 95th percentile to be 32 m.p.h. and 35 m.p.h.

The traffic engineer analyzed intersection crash frequency, and stopping and intersection sight distance. Crash data from the Leon Valley Police Department showed no accidents were reported between March 2017 and March 2022. Considering the crash frequency observed as well as the low traffic volumes from the 27-lot subdivision, stopping sight distance would not be of significant concern.

As a proposed sight distance mitigation alternative, the traffic engineer recommends a dynamic warning sign, or Intersection Conflicting Warning System (ICWS). The system would detect vehicles on the main road (Evers Rd.) utilizing cameras and indicate their presence to drivers on the minor roadway (Adair Dr.), when signage is flashing.

The Crash Modification Factors Clearinghouse lists a 32% reduction for all crash types when installing a “Vehicles Entering When Flashing” system.

Fiscal Impact

Project Costs

ICWS :	\$18,050.00
Construction:	<u>\$ 9,797.00</u>
Total:	\$27,847.00

Total Budget Adjustment Needed: \$27,847.00

Red Light Camera Fund Balance (as of 09/30/24): \$944,822

Recommendation

It is recommended the City Council approve the request for a budget adjustment to purchase an Intersection Conflict Warning System at Evers Rd. and Adair Dr.

APPROVED: _____ DISAPPROVED: _____

APPROVED WITH THE FOLLOWING AMENDMENTS:

ATTEST:

SAUNDRA PASSAILAIGUE, TRMC
City Secretary