

Budget Adjustment
Intersection Conflict Warning System
Evers & Adair Intersection

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Public Works Assistant Director
City Council Meeting
March 4, 2025

Summary

- Question
 - City Council is being asked to approve an Ordinance authorizing a budget adjustment to purchase and install an Intersection Conflicting Warning System (ICWS) at Evers Rd. and Adair Dr.
- Options
 - Approve
 - Deny
 - Other
- Declaration
 - At City Council Discretion

Background

- Castle Estates subdivision residents have reported difficulty turning onto Evers Rd. from Adair due to the hill on Evers Rd. & sight distance
- The City installed a blinking right intersection ahead sign & a speed indicator sign on the southbound Evers Rd. lanes just before Adair Dr.
- A traffic safety assessment was also conducted to re-evaluate existing traffic conditions at the intersection of Evers Rd. and Adair Dr.
- Intersection provides the single access point for 27 properties located along Adair Dr. & Countess Adria to Evers Rd.

Background



Background

- The posted speed limit along Evers Rd. is 30 mph
- Current traffic counts are approximately 8500 cars per day, with an average speed limit of 32 mph (December 2024)
- For the month of December, the 95th percentile was 39 mph, meaning 5% of vehicles traveled at or below 39 mph. Two other data sets from previous months show the 95th percentile to be 32 mph and 35 mph
- The traffic engineer looked at Intersection Crash Frequency, & Stopping & Intersection Sight Distance
- Considering crash frequency observed (2017 & 2022), and low traffic volumes subdivision, stopping sight distance was not of a significant concern

Background

- As a mitigation alternative, traffic engineer recommends a dynamic warning sign, or Intersection Conflicting Warning System (ICWS)
- System would detect vehicles on Evers Rd. using cameras & indicate their presence to drivers on Adair Dr. when signage is flashing
- Crash Modification Factors Clearinghouse lists a 32% reduction for all crash types when installing a “Vehicles Entering When Flashing” system

Fiscal Impact

Project Costs

Intersection Warning

System: \$ 18,050

Construction: \$ 9,797

TOTAL: \$ 27,847

- ***Total Budget Adjustment Needed: \$27,847***
- Red Light Camera Fund Balance (as of 09/30/24):
\$944,822

Recommendation

- At City Council Discretion