

Budget Adjustment
Intersection Conflict Warning System
Evers & Adair Intersection

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Public Works Assistant Director
City Council Meeting
March 18, 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

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

Background



Background

- The existing 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 85th percentile was 36 mph, meaning 85% of vehicles traveled at or below 36 mph. Two other data sets from previous months show the 85th percentile to be 32 mph and 35 mph
- The traffic engineer looked at Intersection Crash Frequency, and the Stopping and Intersection Sight Distance
- Considering the crash frequency observed between 2017 and 2022 as well as the low traffic volumes from the 27-lot subdivision, the stopping sight distance was not of a significant concern

Background

- 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.) using cameras and indicate their presence to drivers on the minor road (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

Intersection Warning

System: \$ 18,050.00

Construction: \$ 9,797.00

TOTAL: \$ 27,847.00

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

Recommendation

- At City Council Discretion