

1. Project Background.

1.1. Current State of the Site

This project is a budgeted project by the City of Flagstaff Capital Improvement Program for the fiscal year of 2018-2019. Currently, the intersection of Old Walnut Canyon Road/Oakmont Drive and Country Club Drive is a two-way stop controlled intersection in both of the east and west directions. The safety of the intersection is poor due to the ineffective sight distance, due to the presence of large grades on the southern leg.

1.2. Location

The intersection of Old Walnut Canyon and Country Club Drive is located in the east side of Flagstaff city, as shown in Figure 1.1. The intersection is surrounded by a residential area. The intersection serves homeowners, as well as other businesses such as, Wyndham Flagstaff resort, Flagstaff Athletics Club, and the golf courses in the area. Wyndham Flagstaff Resort and a golf course are located on North Country club Dr. next to the intersection, as shown in Figure 1.2. The intersection also serves vehicle drivers going to Flagstaff Athletics Club, which is located along North Country club drive, at the north side of the intersection.



Figure 1.1: The intersection of Old Walnut Canyon Rd and Country Club Dr [1].



Figure 1.2: East Flagstaff map with the intersection of Old Walnut Canyon Rd and Country Club Dr [1].