Gowen and Orchard Intersection Options

**Alternative 1**

**Signalized Option**

**Pros**
- Less right of way relative to roundabout
- Lower construction cost

**Cons**
- Longer pedestrian crossing distances relative to roundabout
- Higher ongoing maintenance costs

**Roundabout Option**

**Pros**
- Less motor vehicle delay compared to signal
- Lower risk of injury crashes
- Provides two stage pedestrian crossings
- Reduces motor vehicle idling, leading to fewer emissions and less fuel consumption

**Cons**
- Two or more roundabout entry lanes do not have the same safety record as single lane roundabouts
- More right of way required compared to signal
- Unbalanced traffic flow can lead to disrespect of “yield upon entry” rules

**Alternative 2**

**Signalized Option**

**Pros**
- Less right of way relative to roundabout
- Lower construction cost

**Cons**
- Longer pedestrian crossing distances relative to roundabout
- Higher ongoing maintenance costs

**Roundabout Option**

**Pros**
- Less motor vehicle delay compared to signal
- Lower risk of injury crashes
- Provides two stage pedestrian crossings
- Reduces motor vehicle idling, leading to fewer emissions and less fuel consumption

**Cons**
- Two or more roundabout entry lanes do not have the same safety record as single lane roundabouts
- More right of way required compared to signal
- Unbalanced traffic flow can lead to disrespect of “yield upon entry” rules