

Womack & Vermack Overview of Alternatives

Project Overview

Dunwoody's Comprehensive Transportation Plan prioritizes making safety and operational improvements to the intersection of Womack Road and Vermack Road. The City has studied three alternatives for the intersection and determined a roundabout to be the best option.

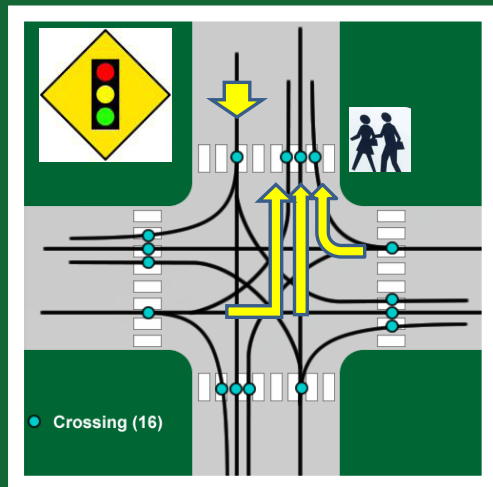
Alternatives Considered

Careful consideration was given to roundabout alternatives including:

- 1. No Build** - if the intersection remains as is, congestion will only continue to increase.
- 2. Signalization** - Installing a traffic signal with turn lanes would have more impact on adjacent properties, cost more, and be less safe for travelers.

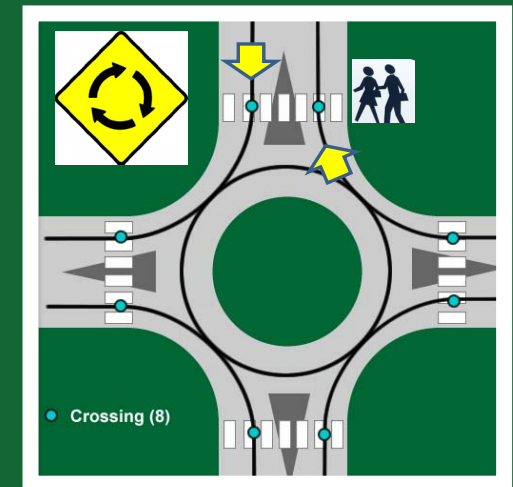
Comparison and Ranking of Alternatives

Project Objectives	No Improvements	Roundabout	Traffic Signal
Traffic Flow and "Level of Service"	3rd	1st	2nd
Safety	3rd	1st	2nd
Cost	1st	2nd	3rd
Pedestrian Accommodations	3rd	1st	2nd
Minimize Impacts to Adjacent Properties	1st	2nd	3rd
Bike Accommodations	3rd	2nd	1st



ROUNDBABOUTS AND SAFETY

- 30-40% reduction in pedestrian-vehicular crashes compared to traditional intersections
- Pedestrians cross one lane of traffic at a time
- Slow vehicle speeds (under 30 mph)
- Fewer points of conflict (see diagrams)



Dunwoody*
*Smart people - Smart city

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THIS PRELIMINARY DESIGN WILL NOT BE USED

After studying the alternatives, the City determined that a roundabout better meets the needs for this intersection improvement. As compared with the roundabout alternative, a traffic signal has several disadvantages:

- Does not improve safety for pedestrians or cyclists
- Does not calm traffic
- More disruptive to adjacent property owners
- More costly than other alternatives

