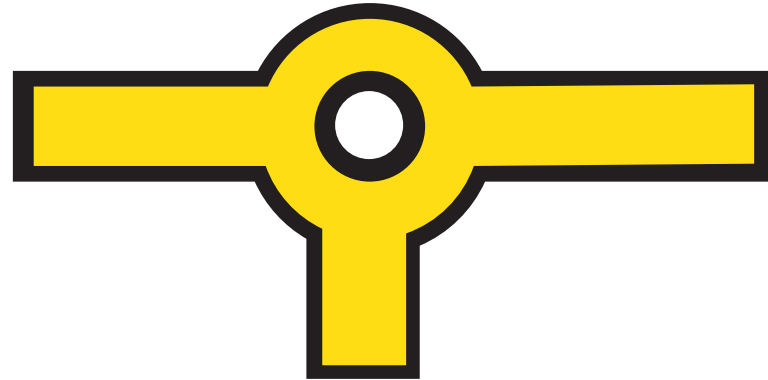


Kamehameha Highway, Intersection Improvements at Kahekili Highway

Benefit Comparison - Roundabout Versus Signals

ROUNDABOUT



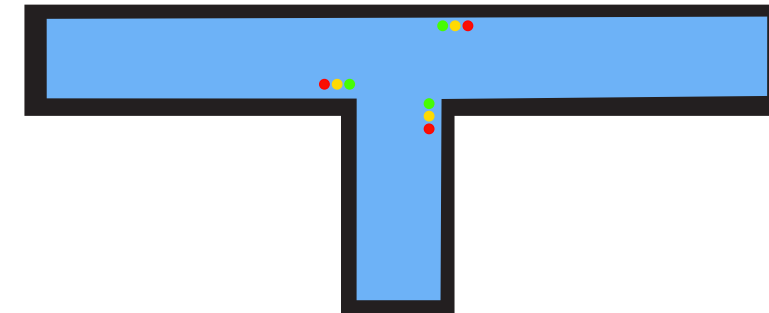
PROS

- » Reduces total number of crashes by 35-47% since there are fewer conflict points ¹
- » Reduces injury crashes by 72-80% (T-bone accidents are far less likely) ¹
- » No idle time waiting for traffic lights
- » Lower wait times for turns to and from side roads
- » Lower maintenance cost

CONS

- » Requires more land
- » Less familiar to many of the public

SIGNALIZED



PROS

- » More familiar to more people
- » Timing of lights can be adjusted

CONS

- » Higher risk of crashes
- » Head-on crashes are more likely
- » Higher maintenance costs ~10k annually, full signal replacement every 20-25 years (\$350k+)

¹ Insurance Institute for Highway Safety and Highway Loss Data Institute website: <https://www.iihs.org/topics/roundabouts>