

The Y Intersection

Current configuration

- The intersection currently allows all movements on all legs, meaning right turns, left turns, and straight through movements are all permitted. There are currently free right turns that allow traffic to make right turns onto and off of WYO 22 without going to the signalized intersection.

Proposed configuration

- The most notable changes will be an added left turn off US 26/89/191 onto WYO 22, creating dual left turns.
- The proposed intersection removes the separated free right turns onto and off of WYO 22.
- Limits movement into the intersection from Buffalo Way to a right turn only. This will mean that those approaching US 26/89/191 from Buffalo Way will not be allowed to continue straight through the intersection to WYO 22 or turn left onto southbound US 26/89/191.

Benefits

- Pedestrian Safety - Free right turns allow vehicles to make higher speed movements, often while focusing on merging with traffic. Removing the free right turns at this intersection reduces the speed vehicles are making turning movements and shortening the distance a pedestrian needs to cross over WYO 22.
- Increased Intersection Efficiency - Reducing the number of conflicting movements in the intersection allows for signal timing that accommodates more vehicles per hour.
- Decreased Vehicle Fuel Consumption and Emissions - The reconfiguration reduces the environmental impacts of vehicles by reducing idling time.
- Minimal Right-of-Way impacts - The proposed configuration works within the existing footprint.

The intersection is expected to flow inefficiently in the future. Traffic capacity is the same as water pipe capacity; you can only get so much water through a certain diameter pipe before it's completely full.

WYO
22

191
89

189

189
191
89

Buffalo Way

