

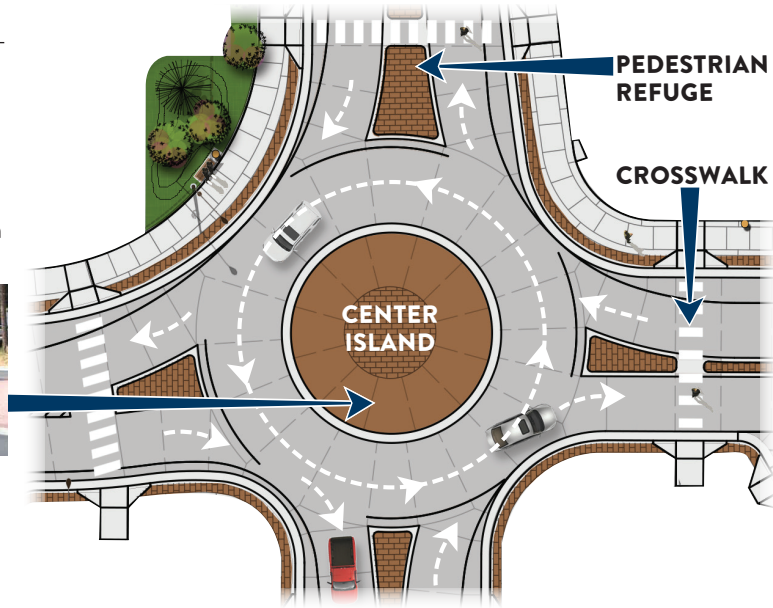
**KEY CHARACTERISTICS OF A ROUNDABOUT**

**MINI ROUNDABOUTS**

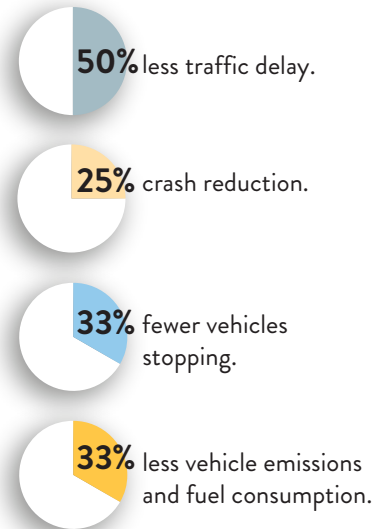
The two roundabouts proposed in downtown Pelican Rapids are mini-roundabouts. Mini-roundabouts are much smaller than traditional roundabouts, allowing for its construction within a physically constrained location.



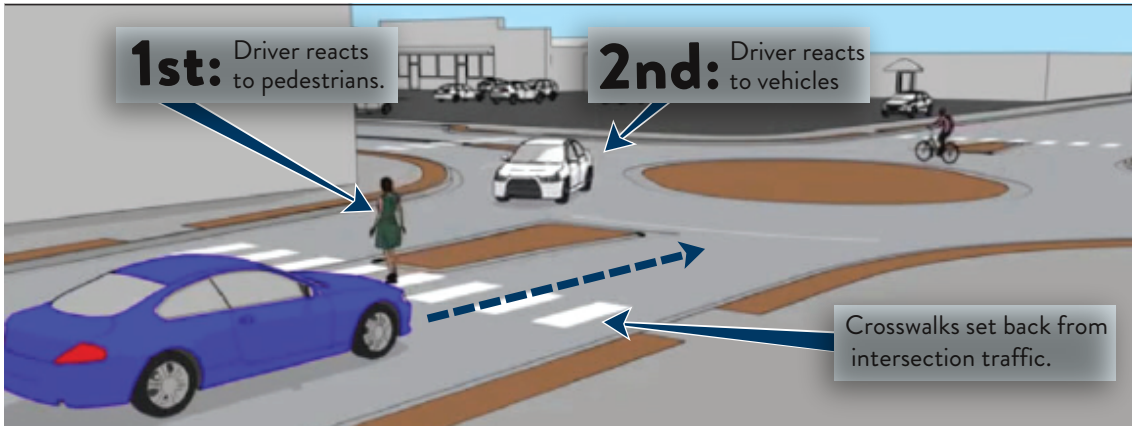
The center island is designed to allow trucks to drive up and over the shallow curb to proceed through the intersection.




**ROUNDABOUT VS. TRADITIONAL INTERSECTION**



**PEDESTRIAN SAFETY**



- 1/2 the pedestrian crossing distance vs. a traditional intersection crosswalk.
- Pedestrian refuge allows for shorter crossing distance with 2 stage crossings.
- 83% of vehicles yield to pedestrians in a roundabout vs 7% in a traditional intersection.

- 15-20 mph average speed allows motorist more reaction time for pedestrians and merging vehicles. 
- Only 8 conflict points vs 32 in a traditional intersection with another vehicle, pedestrian or bicycle.
  - \* A conflict point is any location vehicles interact with another vehicle, pedestrian or bicycle.
- Keeps traffic moving:
  - Less stopping and starting time.
  - Less idling time.

**RESOURCES:**

HCM Evaluation Worksheet, LRRB | <http://www.lrrb.org/PDF/201421.pdf> | Insurance Institute for Highway Safety

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