

# ROUNABOUT PLANNING AND DESIGN



## Enhancing your system with modern designs

Whether your goal is safety, capacity improvement, neighborhood redevelopment, economic growth or streetscape enhancements, Hanson can help move your roundabout project from concept to completion. A key to Hanson's success is our team's ability to help the public visualize and understand the benefits that a well-designed and strategically placed roundabout brings to a community.







## Working to create solutions for you

Because roundabouts use a yield-at-entry rule for traffic entering the circulating roadway, traffic is not required to stop, which allows movements in and out of the roundabout to occur more frequently than a traditional signalized or unsignalized intersection.

The geometric design of the roundabout deflects traffic entering the circulating roadway, slowing the speed of all traffic passing through the intersection. Pedestrian movements are also safer because they have the right-of-way at roundabouts, and they cross only one direction of traffic at a time.

### Roundabouts may offer these benefits to your community:

- reduce the number of fatal crashes and crash-related injuries
- feature fewer conflict points as compared to traditional intersections
- encourage a slower driver speed through the intersection
- reduce fuel and energy consumption
- reduce vehicle emissions
- require no traffic signals, saving on installation, maintenance and electrical costs
- offer increased service life as compared to traditional intersections
- enhance the aesthetic appearance of the intersection with a landscaped center island
- increase traffic capacity

