

# WHY A ROUNDABOUT INSTEAD OF A TRAFFIC SIGNAL?



## Vehicle & Pedestrian Safety

Roundabouts are much safer than traffic signals. They require slower speeds, have fewer conflict points, and eliminate the possibilities for head-on and turning collisions. Roundabouts easily and safely accommodate pedestrians and bicyclists with specific design features, signing, and pavement markings focused on non-motorized users.



## Vehicle Types

Roundabouts accommodate all types of vehicles from smaller cars to large semi trucks, RVs, and emergency vehicles.



## Maintenance

Roundabouts are easy to maintain. They do not require the power and lighting maintenance that are associated with a signal. There is room for snow storage, so plowing during the winter is not an issue.



## Visibility

Rural roundabouts are designed for vehicles driving on high speed roadways. Roundabout design includes flashing warning signs, rumble alerts, weave sections, and raised curbing to warn drivers of the changing road. As a result of this design, drivers adjust their speeds, slowing on approach to navigate the roundabout safely.



## Traffic Performance

Traffic analysis performed during the design phase of this project showed that a roundabout in this location will have better overall daily performance than a traffic signal since no stops are required for a roundabout.



## Traffic Calming

Roundabouts have lower speeds, control traffic flow, and minimize the potential for crashes. As such, their design and operation provide many features that increase safety and calm traffic flow.



## Navigation

Roundabouts are easy to navigate. Pull up to the roundabout as if you are turning right, then look to your left to see if any cars are approaching. If it is clear, enter the roundabout, drive around the center circle in a counterclockwise direction, and exit at your desired location.