

# Traffic-Calming Roundabouts in Galloway

Two new roundabout intersections are planned at Luster Avenue and at Lone Pine Avenue to serve as traffic-calming gateways and improve safety in the heart of the Galloway area.

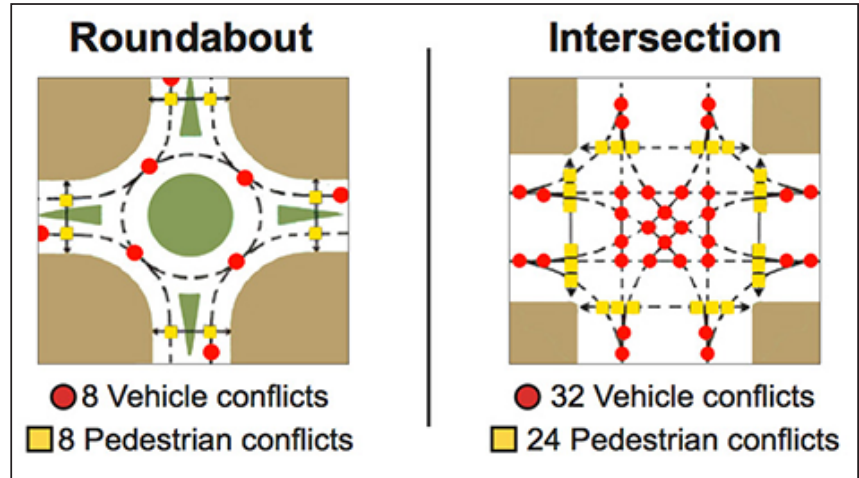
## Safety & Efficiency:

A conventional intersection has 32 conflict points, while a roundabout intersection only has 8. The reduction of conflict points improves pedestrian and bicycle safety.

In a roundabout, the speeds are generally lower and head-on and right-angle crashes are almost non-existent.

Pedestrians cross a shorter distance of only one direction of traffic at a time since the entering and exiting flows are separated.

The yield condition and the one-way circulation patterns allows for more efficient traffic flow, about a 50% increase.



The inner concrete apron is designed for large vehicles, such as fire trucks, to drive over.

## The current situation:

The Galloway Street/ Luster Avenue and Galloway Street/Lone Pine Avenue intersections are both prime candidates for roundabouts due to:

- Galloway Street is used by 5,440 vehicles per day.
- A speed study completed in February 2019 showed that 85% of vehicles travel at 44 mph or below.
- The offset alignment of the Galloway Street and Luster Avenue intersection.
- The proximity of Fire Station 10's entrance to Galloway Street and Luster Avenue.
- Galloway Street's steep grade.
- The proximity of the Lone Pine railroad crossing to the intersections.

## How roundabouts will help:

- Roundabouts typically reduce injury crashes by around 70% and total crashes by 50%.
- Roundabouts allow drivers to focus on pedestrians apart from entering, circulating and exiting maneuvers.
- Roundabouts cause motorists to slow down and discourage cut-through traffic.
- The reduced speed of traffic through a roundabout is more consistent with comfortable bicycle riding speed.
- Roundabouts give equal service to both streets and reduces waiting times for the minor street.

## LEARN MORE

To learn more about roundabouts and the Galloway Street Widening Project (Luster to Lone Pine), visit [springfieldmo.gov/galloway](http://springfieldmo.gov/galloway).



# Driving Roundabouts

1

## Slow Down

Geometry helps you slow to typical roundabout speeds of about 20 mph



2

## Yield at Entry

Look to left, and yield to vehicles already inside the roundabout



3

## Keep Moving

Once in the roundabout, you have the right-of-way



4

## Exit the Roundabout

- Use 1<sup>st</sup> exit to turn right
- Use 2<sup>nd</sup> exit to go straight
- Use 3<sup>rd</sup> exit to turn left
- Use 4<sup>th</sup> exit to make a U-turn

