



March 2023

Lee County begins construction on Gateway Boulevard/Griffin Drive

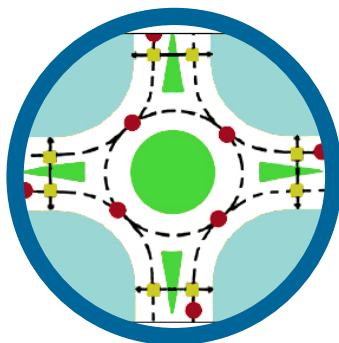
About Roundabouts

Lee County is beginning construction in the Spring of 2023 on a roundabout at Gateway Boulevard and Griffin Drive. Construction is expected to take about one year. Roundabouts provide many operational benefits when compared to traditional intersections. These include fewer delays, less expense to maintain, sufficient capacity to accommodate fluctuating traffic, longer life span and fewer, less severe crashes.

Roundabouts reduce travel time by allowing traffic in all directions to flow continuously. Motorists travel in a counterclockwise direction around the circle and proceed in their intended direction without stopping. Studies show a significant time savings because motorists do not have to wait to make left-turns. Roundabouts are efficient both during high traffic and

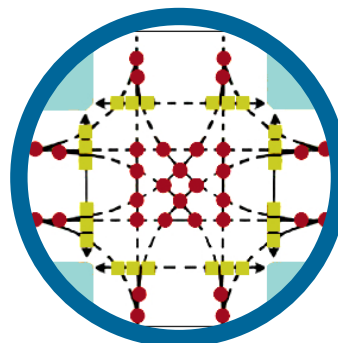
low traffic. Even if many vehicles are using the intersection, vehicles can move continuously with little or no delay. Vehicles do not have to wait for a signal to change when there are no other vehicles in the intersection.

Roundabouts provide improved safety for all modes of travel. One benefit is an overall reduction in vehicle speed while still accommodating all traffic movements. Also, the number of vehicle-to-vehicle conflict points decreases from 32 to eight as shown in the graphic below. Head-on and high-speed collisions are virtually eliminated. Studies also show a reduction in the occurrence and severity of pedestrian and vehicle conflicts. Due to the roundabout design, pedestrians only cross one direction of traffic at a time with a roundabout.



Roundabout:

- 8 Vehicle Conflicts
- 8 Pedestrian Conflicts
- 8 Vehicle-Pedestrian Conflicts



Intersection:

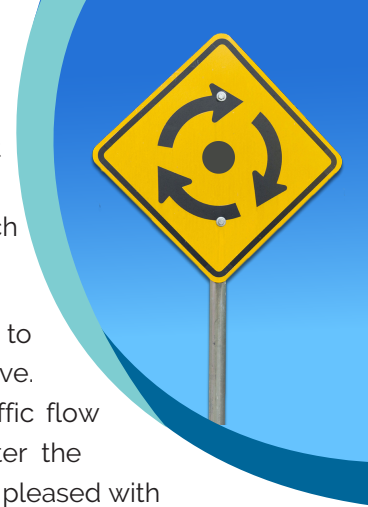
- 32 Vehicle Conflicts
- 24 Pedestrian Conflicts
- 24 Vehicle-Pedestrian Conflicts

*Data from FDOT

Modern Roundabouts are designed to be safer for pedestrians and bicyclists than traditional intersections. Vehicles are moving at a slower rate of speed in roundabouts - typically between 15 and 20 mph. Crosswalks also are set further back from traffic, allowing drivers more time to react to pedestrians and bicyclists before merging into or out of the roundabout. Triangular islands between lanes of traffic give pedestrians a safe place to wait if they choose to

cross only one direction of traffic at a time. The center of a roundabout is used for decorative features, which could include landscaping.

To drive a modern roundabout, go to Gateway Boulevard/Commerce Lakes Drive. This roundabout has greatly improved traffic flow in the area, and residents interviewed after the roundabout opened in August 2021 are pleased with the improvement.



To view a video or download written materials on roundabouts, please visit the website at: www.GatewayRoundabouts.com

Why Roundabouts Make Sense



Improves Safety

- More than 90% reduction in fatalities
- 76% reduction in injuries
- 35% reduction in all crashes
- Slower speeds are generally safer for pedestrians



Reduces Congestion

- Efficient during both peak hours and other times
- Typically less delay



Reduces Emissions and Fuel Consumption

- Fewer stops and hard accelerations, less time idling



Saves Money

- No signal equipment to install, power, and maintain



Improves the Area's Look

- Signal wires, poles and ground equipment are eliminated
- Center of roundabout used for landscaping.



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