



HUTTON ROAD & LEAVENWORTH ROAD ROUNDABOUT

ABOUT THE PROJECT

The Unified Government has evaluated the Hutton Road and Leavenworth Road intersection to identify improvements to help with safety and traffic. Through that review and evaluation, a roundabout was determined to be a needed safety improvement at the intersection. This is a busy intersection node between Piper, I-435, and the Legends Outlets that experiences a high volume of traffic from all directions. The evaluation showed that the plan to build a roundabout can:



Improve intersection safety for all users



Improve connectivity to and from the highway



Shorten intersection stop times and keep traffic moving



Enhance pedestrian connections



Accommodate future development in the area with improved intersection capacity

PROJECT BACKGROUND

Over the past few years, Unified Government has been evaluating safety and travel conditions in this area to determine needed safety improvements.

Our findings show:

- A history of right-angle crashes and rear end crashes. Right-angle crashes, sometimes called “T-Bone” crashes, are often more severe than other crashes.
- Current traffic volumes have outgrown the capacity of the existing lanes and traffic signals.
- Poor intersection visibility on the westbound intersection approach.
- A wide variety of roadway users. Piper High School and Piper Prairie Elementary School are both located within 2 miles of intersection.
- Projections indicating that traffic volumes will continue to increase at the intersection with future development.



SCHEDULE

2024

- Construction Begins
- Leavenworth Road Closed Until Fall 2024 Between Hutton Road and 107th Street

SUMMER 2024

- Hutton Road and Leavenworth Road Intersection Closed Until Fall 2024

FALL 2024

- Construction Complete



SIMILAR ROUNDABOUTS IN THE AREA

- 167th Street and Switzer Road
- 67th Street and Gleason Road
- Monticello Road and Prairie Star Parkway

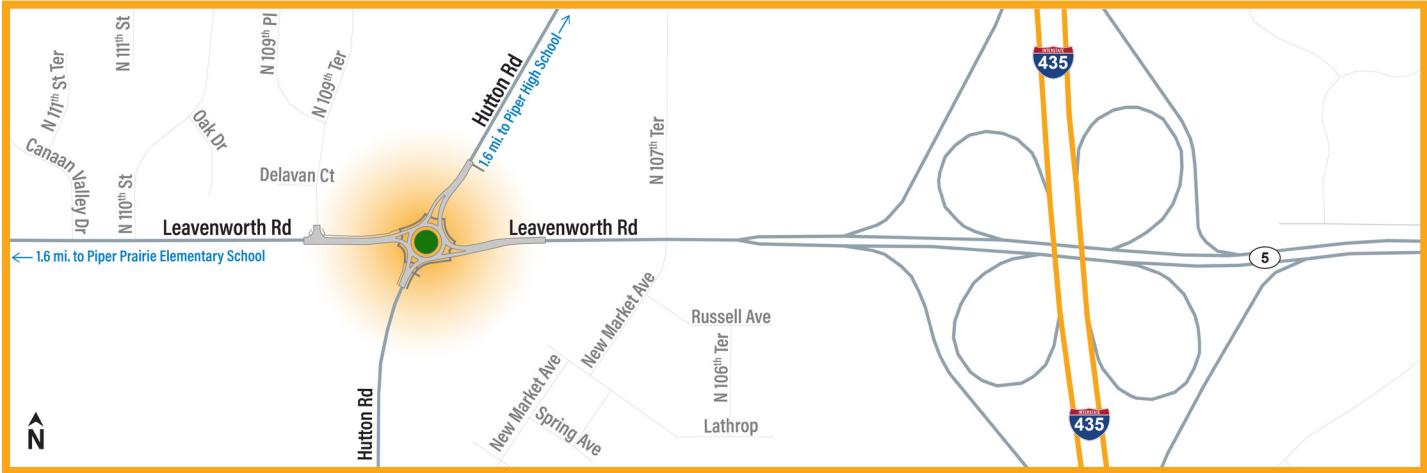




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BENEFITS OF A ROUNDABOUT

- Improves safety by reducing conflict points
- Significantly reduces the risk of serious and fatal crashes
- Promotes lower speeds and traffic calming
- Reduces delays compared to traditional stop signs or traffic signals



HOW TO NAVIGATE A ROUNDABOUT

Moving through a roundabout might be unfamiliar at first, but with patience and practice, navigating them will get easier with each trip. Here's what you should know:



DRIVERS

Slow down when approaching a roundabout.

Yield to vehicles already in the roundabout and merge into traffic when it is safe.

Continue through the roundabout until your exit. Do not stop or pass other vehicles in the roundabout.



LARGE TRUCKS

Give large trucks extra space in a roundabout.

Large trucks will be able to make all turns within the roundabout.

The intersection is being designed to accommodate large vehicles, buses, and emergency fire trucks.



BICYCLISTS AND PEDESTRIANS

Bicyclists and pedestrians are able to utilize the integrated trail network to safely navigate the roundabout and access the existing Hutton Road improvements connecting to the Legends Outlets area.

Pedestrians should cross only at crosswalks and stay on designated walkways; never cross to the central island.

Pedestrians should cross one approach at a time. Use the median island as a halfway point to check for approaching traffic.

