

MOPAC INTERSECTIONS ENVIRONMENTAL STUDY

DIVERGING DIAMOND INTERSECTION

BACKGROUND

The Central Texas Regional Mobility Authority (Mobility Authority) and the Texas Department of Transportation (TxDOT) are working with local partners to study mobility and safety improvements on MoPac at the intersections of Slaughter Lane and La Crosse Avenue. Construction of an innovative intersection design, called a Diverging Diamond Intersection (DDI), is currently being proposed for the intersection of MoPac and Slaughter Lane as part of the MoPac Intersections Environmental Study.

WHAT IS A DDI?

A DDI is an innovative design solution that addresses congestion by allowing vehicles to travel more quickly through an intersection. A DDI creates a diamond-shaped pattern in the intersection and temporarily shifts traffic to the left side of the roadway to increase traffic flow by allowing through-traffic and left-turning traffic to proceed through an intersection simultaneously.

BENEFITS OF A DDI

A DDI reduces the number of potential crash points between cross-traffic and left-turn movements resulting in increased safety and a reduction in delays and travel times. Other benefits include increased pedestrian and cyclist safety with the addition of sidewalks. Additional advantages include:

- No additional right-of-way would be needed
- The design would not impact business access in the area
- Pedestrians would have safe east-west crosswalks
- Cyclists would have a dedicated bike lane across Slaughter Lane for a safe east-west connection
- The solution is a cost-effective way of addressing traffic needs for the long term

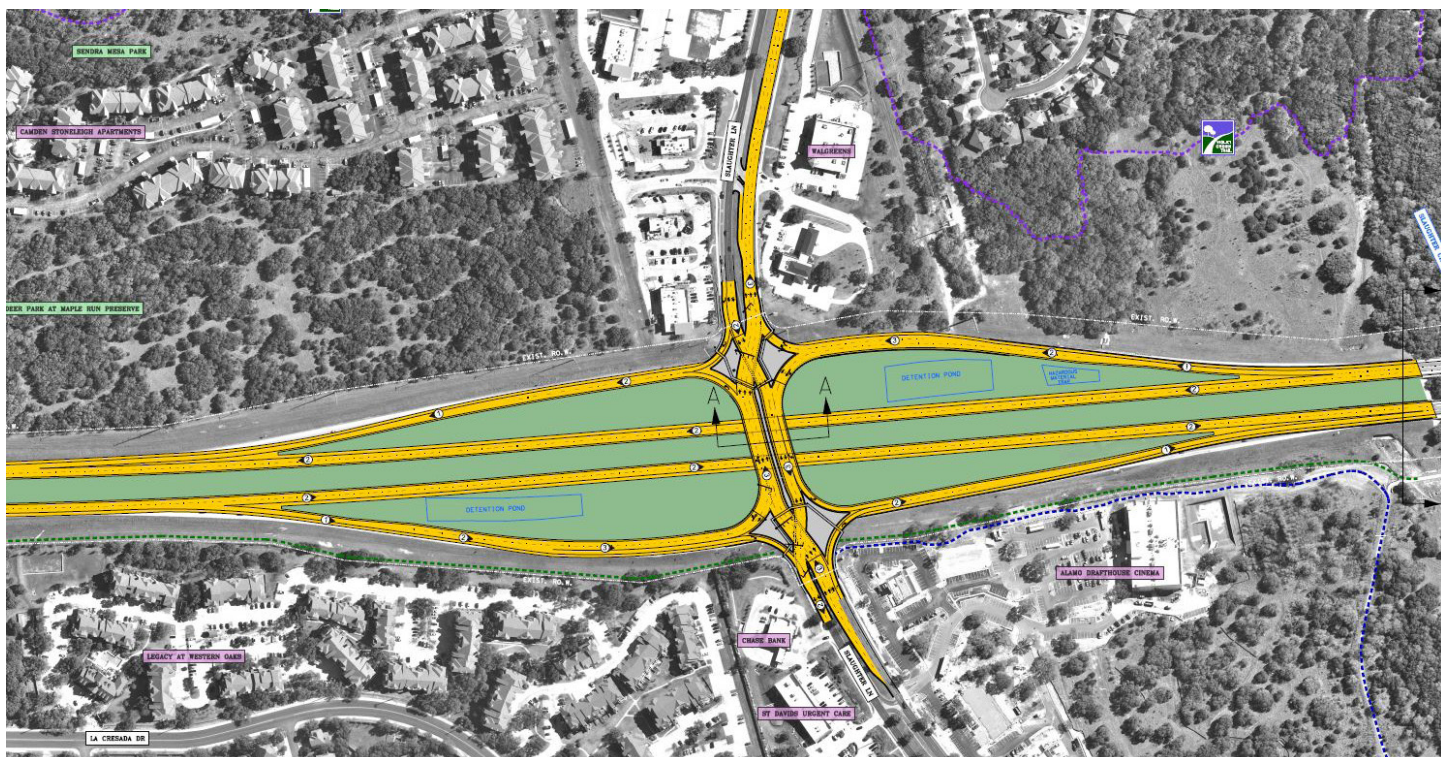
WHY A DDI FOR SLAUGHTER LANE?

The DDI design reflects public comments and stakeholders suggestions for a solution that would minimize traffic noise and visual impacts and make travel through the intersection faster and safer for motorists, cyclists and pedestrians.

With this design, additional mainlanes would be added to MoPac to allow drivers who are traveling north and south on MoPac to bypass the intersection. Left-turning traffic on Slaughter Lane will be directed from the right side of the road to the left side, enabling those drivers to proceed through the intersection at the same time as the drivers who want to go straight.



CONCEPTUAL LAYOUT: MOPAC AT SLAUGHTER LANE



This conceptual layout depicts the Diverging Diamond Intersection currently under study as part of the MoPac Intersections Environmental Study. The design is preliminary and subject to change.

The study team is committed to maintaining open communication with residents, local leaders and businesses in the area, as well as the traveling public to ensure that recommended improvements reflect the needs and input of the community and its various stakeholders. We welcome your feedback and questions about the **MoPac Intersections Environmental Study**.

To learn more or to request a presentation for your group, please contact:

Melissa Hurst, Community Outreach Manager
Central Texas Regional Mobility Authority
Email: mhurst@mobilityauthority.com
Phone: (512) 996-9778

Please visit the MoPac Intersections Environmental Study page at www.MoPacSouth.com for more information.

If the proposed improvements are environmentally cleared, the project will transition from the Mobility Authority to TxDOT, the agency who will design, construct, and maintain the project.

IS THIS PROJECT RELATED TO THE MOPAC SOUTH ENVIRONMENTAL STUDY?

At the same time the intersections study is underway, a separate study is being conducted to assess potential improvements on approximately eight miles of MoPac from Cesar Chavez Street to Slaughter Lane.

For more information about this study, contact **Melissa Hurst** at mhurst@ctrma.org or (512) 996-9778.