

INTERSTATE 20 FRONTAGE ROAD AND INTERSECTION IMPROVEMENTS HUDSON OAKS/WILLOW PARK

OVERVIEW:

The Texas Department of Transportation (TxDOT) is seeking input regarding proposed conversion of the frontage roads from two-way to one-way and reconstruction of the I-20 frontage road intersection at FM 5/Mikus Road to include traffic signals and turnarounds. The project location is shown below.

The turnarounds will improve safety and mobility at the I-20 and FM 5/Mikus Rd intersection. The I-20 eastbound frontage road from Lakeshore Drive to FM 5 and the I-20 westbound frontage road from Mikus Road to U.S. 180 (west of Primrose Dr.) will complete the conversion for the I-20 one-way frontage roads.

A short term solution of temporary signals was implemented in Spring 2016 to help manage the backups occurring at the FM 5/Mikus Road intersection. The turnarounds, one-way frontage roads and permanent signals will be the long term solution for this intersection which has strong local government support.

NEED FOR ONE-WAY FRONTAGE ROADS:

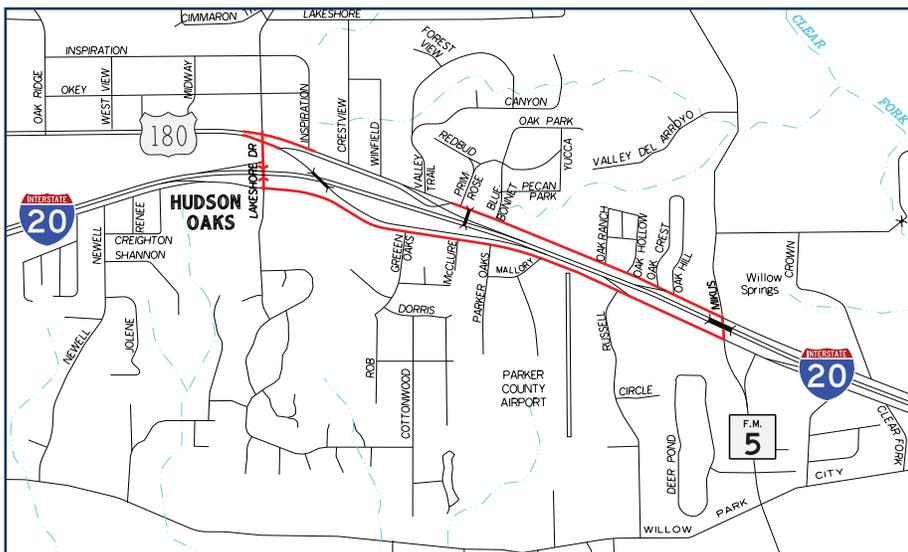
- Frontage roads provide access to adjacent properties and maintain circulation on each side of the highway.
- As areas with two-way frontage roads become more urban and adjacent land is developed, traffic volumes increase and safety and operational issues become concerns.
- Frontage road conversions are made with the objective of improving traffic operations and safety.
- Operations are improved by removing conflicts at entrance and exit ramps where opposing traffic must yield to traffic entering and exiting the interstate mainlanes.

PROJECT FACTS:

- Project limits: I-20 eastbound frontage road from Lakeshore Drive to FM 5
I-20 westbound frontage road from Mikus Road to U.S. 180 (west of Primrose Dr.)
- Convert frontage roads from two-way to one-way
- Add turnarounds at the I-20 and FM 5/Mikus Road intersection
- Traffic signal installation at the I-20 and FM 5/Mikus Road intersection
- Estimated cost: \$3.8 million
- Estimated award: Spring 2017
- Estimated construction start: Summer 2017

ONE-WAY FRONTAGE ROAD BENEFITS:

- Improved intersection safety and efficiency
- Smoother traffic flow
- Drivers benefit from uniform, one-way frontage roads statewide
- Improved air quality
- Improved safety at entrance & exit ramps
- One-way frontage roads improve safety and mobility. According to the Texas A&M Transportation Institute, conversion of frontage roads from two-way to one-way results in nearly 60% reduction in crashes and improves mobility by approximately 35%.



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KEYWORD: MIKUS ROAD



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