

RJN Designs Widening and Reconstruction of State Highway 10 in Tarrant County

The TxDOT has retained RJN Group, Inc. to perform engineering services to widen and reconstruct State Highway 10 (SH 10) from Bell Spur Road to Westpark Way in North Tarrant County, Texas.

This 1.9-mile stretch of roadway was formerly State Highway 183. It was constructed in 1939 and was widened to 4 lanes in the 1950's. The SH 10 project includes both urban and rural roadway design elements, including the following:



- 160-foot right-of-way
- 104-foot wide typical section
- Reconstruction and widening to 3 traffic lanes in each direction divided by 24-foot raised median
- Urban design — outside curbs with closed drainage system
- Rigid pavement design (concrete)
- Subsurface utility engineering
- Illumination and signalization
- 45 mph design speed

The 18-month project includes Preliminary Design and Plan, Specification, and Estimate (PS&E) services. The project consists of widening SH 10 from the existing 4-lane divided section to a 6-lane divided section with a 24-foot raised median. The median width will provide storage capacity for left-turn lanes at intersections, and an adequate buffer zone to separate adjacent and opposing lanes of traffic. The project will be designed to limit parking of vehicles within the TxDOT right-of-way.



The construction phase of the project will begin in the Summer Quarter of 2002.

The median left-turn lanes, additional traffic lanes, and dedicated right-turn lane will be designed to ensure good traffic flow during construction. The existing guardrail will be relocated for the wider section.