

PROJECT

SPOTLIGHT

American Structurepoint partnered with Hays County to provide design engineering services for a new roundabout at the intersection of **RM 3237 and RM 150** in Hays County, Texas. This roundabout has been designed to help improve traffic safety in a growing Central Texas community. Roundabouts are known to reduce fatalities by more than 90%, which is consistent with the goals of Hays County and the Texas Department of Transportation (TxDOT).

American Structurepoint's expert roundabout engineers at our Austin design center led this project. We provided plans to replace a T-intersection with a roundabout in an area expected to see considerable growth over the next few years. In addition, American Structurepoint made drainage improvements to the roadway, adding a new storm sewer system and culverts. Our engineers completed the project on time and found a way to solve complex issues like addressing a buried underground telecommunications line that ultimately saved Hays County thousands of dollars in relocation costs.

Roundabouts improve driver safety by reducing the number of potential accident points within an intersection. In addition, the circular intersection shape and the angle at which you enter roundabouts are designed to slow the speed of vehicles. As a result, roundabouts reduce accidents involving injuries by 70% and result in

a 40% reduction in the total number of accidents. Most importantly, roundabouts also reduce fatalities by more than 90%.

American Structurepoint engineers designed the Hays County roundabout with sustainability in mind. They specifically protected the environment by designing the roundabout center island to preserve historic oak trees. We also designed roadway lighting that aims light directly onto the roadway, eliminating pollution. Roundabouts offer numerous environmental benefits, including reducing fuel consumption by 20,000 gallons of fuel per year and eliminating 350,000 pounds of carbon dioxide emissions each year.

Driver education is critical to the success of any roundabout. American Structurepoint has created a video to educate people about how to drive through roundabouts successfully.

American Structurepoint defines the standard of excellence for people across the world who want help building and bettering their community. Our people are driven to make a difference every day and partner with clients to improve—even save—lives. We are grateful for the opportunity to improve driver safety in Hays County, Texas, and further the #EndTheStreakTX initiative to end the streak of daily deaths on Texas roadways.



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