

Greenbusch Road Drainage Study

Fort Bend County, Texas

CobbFendley performed a drainage study related to the roadway expansion and new construction of Pin Oak Road, Greenbusch Road and Westheimer Parkway from Katy-Flewellen Road to Falcon Landing Boulevard. The study's purpose was to determine potential drainage impacts associated with the widening of Greenbusch from a two-lane asphalt road with roadside ditches to a divided four-lane boulevard section with concrete curb and gutters. This study identified necessary modifications to the existing drainage network to ensure it had adequate capacity to receive incoming flows as well as mitigate any possible impacts to existing conditions. CobbFendley created an impact analysis (100-year) utilizing dynamic modeling (XP-SWMM) to analyze the drainage within the project limits and provide the County with several alternatives to mitigate impacts associated with the roadway and drainage improvements. In addition, CobbFendley provided Fort Bend County with complete construction drawings (plan and profile), specifications, and cost estimates for construction of recommended alternative.

Project Length:

2.4 miles

Completion Date:

2009

