

CITY OF SPRING VALLEY VILLAGE VOSS/BRACHER BRIDGE AND ROADWAY RECONSTRUCTION PROJECT

HDR|Claunch & Miller (HDR|C&M) has recently completed the construction of a bridge project for the City of Spring Valley Village. The existing bridge was a 2-lane wood bridge supported by wooden piles with an asphalt overlay. The bridge was in poor condition and had a limited driving weight restriction. The elevation of the bridge was such that a 100-year flood would overtop it.

The design of the new bridge had to meet Flood Control criteria, which required that the bridge pass the 100-year storm. HDR|C&M performed a hydraulic analysis along Briar Branch, which recommended improvements to the ditch and determined the water surface elevations to set the profile of the bridge.

HDR|C&M designed a 2-lane prestressed concrete box beam bridge to replace the existing bridge. The bridge has a span of approximately 45 feet and is supported by 36-inch concrete piles. A prefabricated bridge option was designed as an add alternate but was not chosen due to high costs.

In addition to the bridge replacement, the project also included the reconstruction of Voss Road and Bracher Drive as concrete streets with curbs, gutters and storm sewer drainage. The roadway project was approximately 4,000 feet in length and has a total construction cost of approximately \$3.4 million.

This project was primarily funded by Metro under the General Mobility Program, with additional funding provided by the City of Spring Valley Village. The construction of the new bridge will benefit the City and residents in the area.



\$25 MILLION HIGHWAY PROJECT COMPLETED FOR TXDOT'S HOUSTON DISTRICT



The construction for US 90A through Missouri City was recently completed. This \$25 million project was designed by HDR|C&M for TxDOT that converted the existing four lane asphalt roadway with open ditches into a freeway section. The completed roadway section consists of an eight to ten lane divided curb and gutter concrete roadway. An overpass with frontage roads was constructed at the intersection of FM 2234. The overpass was designed and constructed so that a future project could be completed to depress FM 2234 under the frontage roads with minimal changes.

The project included the placement of storm sewer which ran within a City owned drainage easement to the outfall channel. The storm sewer was designed to carry flows from the City as well as a Fort Bend County project that is currently under construction. The outfall channel was also improved to increase its capacity to carry the additional flows to a City owned detention pond that was converted into a City park.

Did you know...

Claunch & Miller, Inc. has some exciting news! We have recently joined forces with the HDR Engineering, Inc. Family of companies. Claunch & Miller will now be able to offer additional services, have increased capabilities and resources and greatly improve our service to our clients. Ranked 16th in the nation by Engineering News Record, HDR has the resources to augment our already excellent service and enhance our capabilities to our clients. We are not changing, only getting better! We will be doing business as HDR|Claunch & Miller (HDR|C&M). We look forward to offering this great combination of two excellent firms.