

SH 130, Segments 5.2 and 6.1s West Texas Gas/Davis Gas Processing Lockhart, Texas

CobbFendley conducted an in-depth conflict analysis between WTG/DGP's 3-inch natural gas liquid main and TxDOT's proposed roadway for two separate crossing locations along the SH 130 corridor near Lockhart, Texas. We evaluated existing pipeline drawings, easements and roadway plans to develop an exception request and protect in place option that would eliminate the need for relocating these facilities. Despite having developed protect-in-place options that were approved by TxDOT, the facility owner decided to relocate the main to satisfy some system integrity concerns. Therefore, CobbFendley generated a directional bore design for each crossing and relocation plan & profile drawings were developed in accordance with DOT 49 CFR 195 Transportation of Hazardous Liquids by Pipeline and all state, local, and project related requirements. The design included a deep-well cathodic protection system to protect the new pipeline consisting of 14 anodes and a rectifier to compensate for the loss of the existing cathodic protection system due to the right-of-way takings. The challenges on this design were to determine the appropriate tie-in locations since portions of the existing facility were concrete lined and designing the new facility within the existing private easement without conflicting with the existing facility. CobbFendley generated a bid package and construction contract for use by DGP. Once bids were submitted, we compiled a bid tabulation and reviewed all operator qualification and insurance information submitted to determine contract winner. CobbFendley performed the construction surveying and coordinated the mobilization of all contract personnel. During construction, we monitored all activities to ensure adherence to WTG and project requirements at all times and provided onsite construction management services. Additionally, the documents necessary for the facility owner to obtain reimbursement were compiled by CobbFendley and submitted to TxDOT's design-build contractor for approval; this included a construction cost estimate and relocation schedule. CobbFendley participated in the safety training for the SH 130 corridor and ensured that all WTG contract personnel were properly trained before entering project site. We developed as-built plans in accordance with the reimbursement agreement and reviewed all contractor invoices for payment approval. Lastly, CobbFendley assisted DGP in compiling the appropriate documents in order to obtain reimbursement upon completion of the project.

