



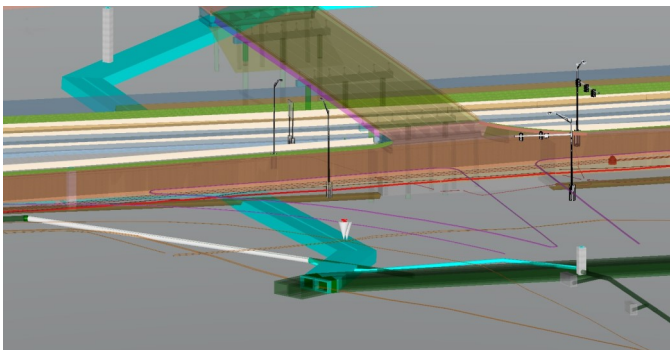
Utility Coordination

ISE has extensive experience in coordinating with both public and private utilities to identify any impacts their proposed projects would have on these facilities and to ensure that they are relocated as necessary prior to the commencement of construction activities to ensure that unnecessary delays occur. Our experience includes the identification of facilities along roadway improvement projects, identifying any possible conflicts between the facilities and the proposed roadway improvements, and the coordination with the utility owners for the relocation of those facilities or the modification of the proposed design of the roadway to avoid impacts as necessary. Our experience includes the coordination with utilities such as electricity transmission lines, gas transmission lines, telephone and cable TV providers, and communications companies including both land line and cellular facilities.

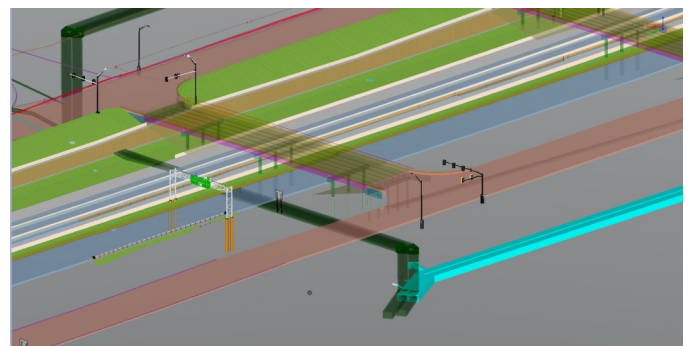
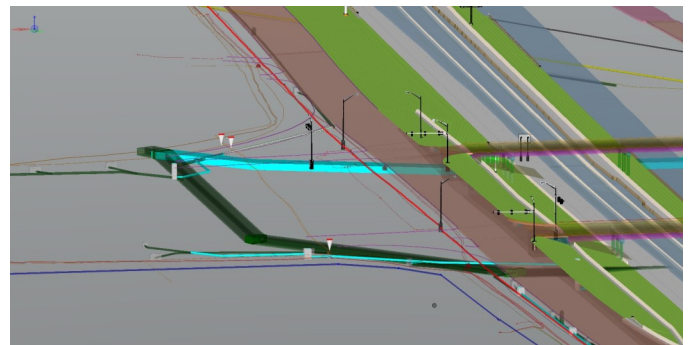
ISE has performed coordination with utility companies on multiple projects such as the improvements to several FM roads in Wharton County, Texas. ISE identified a total of 18 utility companies which had facilities either running within or crossing the right of way over 11 miles of FM road. The companies were identified through field observations, the collection of survey data, and records research based upon the one call (811) system. Once the companies were identified, ISE was able to obtain a contact person for each owner. We then identified a total of 78 possible conflicts within the limits of the projects which required further exploration by both ISE and the individual utility owners. The utilities included electricity and gas providers, gas pipelines, communications and cellular phone companies, and cable TV companies. ISE scheduled and conducted a Utility Coordination Meeting with representatives of each of the utilities to discuss these conflicts and to identify possible solutions for mitigation. ISE worked with TxDOT and the utility companies to modify the design where possible while still meeting the goals of the project to avoid the impacts to utilities to minimize the possibility of undue delays caused by utilities. Where necessary, ISE informed utilities of their needed relocation. During the entire project duration, ISE maintained a contact list of the utilities on the project which also included contact information, the status of their conflicts, and when resolutions were developed. ISE required documentation from all utilities that their facilities were clear of the project prior to the project advancing to the letting stage.

ISE's Utility Coordination experience include the following projects:

- FM 1960 Widening and Reconstruction, TxDOT Houston
- FM 2268 (Main Street) Widening and Streetscape, TxDOT Waco
- Holderrieth Road Segment 2, Harris County Precinct 4
- IH 35W Segment 3C, TxDOT Fort Worth
- US 87 Widening, TxDOT Yoakum
- IH 10/IH 610 Interchange, TxDOT Houston*
- State Highway 150 Widening, TxDOT Lufkin
- Spur 601 (Inner Loop), TxDOT El Paso*



Utility Conflicts Resolved During 3D Design of IH 35W Segment 3C



* denotes staff experience while with another firm