

Construction Method:

Horizontal Directional Drilling

Project: Lake Oswego's Package 2 - Raw Water and Finished Water Pipelines



Location: Lake Oswego, Oregon

Job Scope:

- ❖ Trenchless Feasibility Study
- ❖ HDD Alignment Study
- ❖ Risk Analysis
- ❖ Cost Estimates/Schedules
- ❖ Bid Document Preparation
- ❖ Construction Inspection



Project Description:

Staheli Trenchless Consultants assisted with all trenchless feasibility evaluation and constructability efforts for the design of a 3,900-foot crossing underneath the Willamette River by HDD, and two 200-foot crossings beneath Interstate 5 and the UPRR tracks by pipe ramming. These efforts included the analysis of potential alignments and bore geometry, risk evaluation and cost estimate preparation, construction schedule and public impact determination, pipe sizing and material selection, geotechnical investigation and laboratory test recommendations, construction layout area and easement selection, and general evaluation of all trenchless pipeline constructability. STC provided design support throughout the project, as well as on-site specialty construction inspection for the trenchless crossings. This project was completed in 2015.



Reference:

Joel Komarek, Lake Oswego-Tigard Water Supply Partnership. (503) 697-6588.