

STAHELI Trenchless consultants

Construction Method:

Horizontal Directional Drilling

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

Location: **Lake Oswego, Oregon**

Date: **2010-2015**

Job Scope:

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



Project Description:

Staheli Trenchless Consultants has assisted with all trenchless feasibility evaluation and constructability efforts for the design of a 3,000-foot crossing underneath the Willamette River by HDD, a 600-foot crossing beneath Highway 99E by microtunneling, and two 200-foot crossings beneath Interstate 5 and the UPRR tracks by pipe ramming. These efforts have 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 has provided design support throughout the project, and is currently providing on-site specialty construction inspection. This project is anticipated to be complete in 2015.



Reference:

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