

Project Information Sheet

Chehalis River Waterline Crossing · Aberdeen, Washington

Description: This project was necessary to replace the original, deteriorated crossing line and re-establish the connection between the north and south sections of the City of Aberdeen. The project comprised of a horizontal, directional drilling and the subsequent installation of 2,000 feet of an 18" diameter, continuously fused, high density polyethylene (HDPE) water line across and under the Lower Chehalis Riverbed. The 2,000 foot drill made a complex horizontal and vertical compound curve that included a very tight 35° horizontal turn to a very precise, tight exit location near an old lumber yard parking lot on the north side of the river. The riverbed formations drilled through consisted of a combination of sand, clay and gravel.



BS&A role: Berglund, Schmidt & Associates handled the entire process of this project, from initial feasibility, through design, permitting, construction management and aquatic lease agreement. The initial feasibility and design included extensive research determine the most suitable material and to ensure the final horizontal and vertical alignments met the material specifications and performance limitations for pulling, bending, fusing and testing of the best-fit material chosen. Full permitting was done for this project, including JARPA and SEPA permits, a DNR aquatic lease survey and agreement, as well as coordination with NOAA, the WA State Department of Fish & Wildlife and approval with the WA State Department of Transportation. Contract administration assistance was provided to the City of Aberdeen for advertisement for bids, contractor selection assistance and completion of contract documents. Full monitoring, inspection of work during construction, as well as continual communication with the contractor was conducted to stay on top of progress and/or issues as they arose.

Berglund, Schmidt and Associates, Inc. is a civil engineering and land surveying firm serving Grays Harbor, Pacific, Mason, and Jefferson Counties since 1956. Our firm provides the skills and services necessary to meet the engineering needs of industry, business and government of local communities. These needs vary from initial feasibility and environmental studies, through permitting and design phases, to construction and project development. Call us today if you need our help.