

Construction Method: Pipe Bursting

Project: Port of Seattle IWS Replacement

Location: Seattle, Washington



Job Scope:

- ❖ Feasibility Study
- ❖ Project Specifications
- ❖ Permit Assistance
- ❖ Cost Estimates
- ❖ Bid Services



Project Description:

Staheli Trenchless Consultants completed a feasibility study and design for the replacement of 2,400 feet of an existing reinforced concrete IWS pipe as part of the third runway expansion at SeaTac Airport. Pipe bursting was selected as the replacement technique to minimize disturbance to the surrounding golf course and vegetated areas, which were part of a habitat mitigation plan for the runway expansion. A feasibility study was conducted, followed by design drawings which included layouts, burst lengths, burst pit depths, and locations.

STC performed calculations for heave and pullback load predictions, and provided extensive permitting assistance to the Port of Seattle including permit drawing preparation. STC also provided written project specifications, detailed cost estimates, construction schedules and bid services.



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