



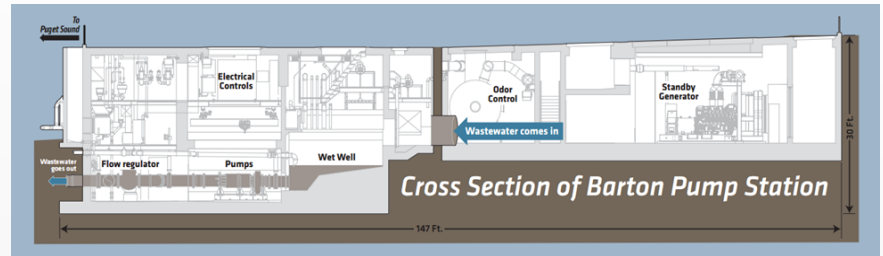
BARTON STREET PUMP STATION UPGRADE PROJECT

Project Summary

The general summary of this project was to replace outdated electrical equipment, pumps, and associated equipment. Increase capacity for wastewater treatment pumping from 22 million gallons per day (mgd) to 33 mgd. Upgrade heating, ventilation and air conditioning, and construct a new underground vault to house a new backup generator system and a new odor control system. Construct a new underground valve room and installed new valves for the two 24-inch force mains that were installed as part of a 2006 emergency repair project.

Equipment and Systems Overview

- Raceway, boxes, supports
- Electrical Testing
- 600v Conductors & cables
- 480VAC VFD (3) 500HP
- LCP's
- ATS
- TVSS System
- Short Circuit & COORDINATION Study
- Arc Flash Report
- Instrumentation
- Grounding
- Dry Type Transformers
- Lighting
- Fire Alarm
- Diesel Fuel Leak Detection
- Telephone and Computer Data
- LV Switchboards
- LV MCC's



Burke Electric Scope

Burke Electric was subcontractor to Prospect Construction on this project and was responsible for the furnishing and installation of the following: Automatic Transfer switches, Dry Type transformers, Fire Alarm System, Leak Detection System, Lighting, Load Bank Receptacle Panel, Motor Control Centers, Panelboards, all raceway, boxes and supports, Medium Voltage Switchgear, Transient Voltage Surge Suppressor, and Variable Frequency Drives.

Problems Encountered and Solutions Executed

This project took place next to an active and busy ferry dock where there were multiple challenges with regards coordinating with heavy vehicle and foot traffic. Extra precautions were taken to ensure safety for the general public. Special attention was paid to the ferry schedule to ensure that there were no interruptions to service. Jobsite was also located on a tidal water area, and significant steps were taken to plan work when it would be least affected by the changing water levels.

Burke Electric Project Personnel

Ray Cabuag, General Foreman
 Mark Undseth, Project Manager
 Dominic Burke, COO
 Katie Morton, Safety Manager



Offeror Role

Subcontractor

Owner Information

King County Department of Natural Resources and Parks Wastewater Treatment Division
 Ken.bergstrom@kingcounty.gov
 (206) 477-2154

Contract Amount & Type

\$1,300,000— firm fixed price

Customer Information

Prospect Construction
 116 23rd St. SE
 Puyallup, WA. 98372
 Michael Peterson, Project Manager
 253.446.1600
 mpeterson@prospectconst.com

Project Start and Finish Dates

6/4/2012—6/1/2015

Project Location

8953 Fautleroy Way SW
 Seattle, WA 98136