

Federal Way Link Extension Project

SOTERIA PROJECT PROFILE



Project: Federal Way Link Extension Project

Owner: Sound Transit Authority

Client: Mass. Electric Construction Company

Soteria's Role: - Communications, Signals, and Traction Power Substation (TPSS) Reliability Program Plan
- TPSS Demonstration Test Plan and Procedures

Completion: Scheduled for 2024

Project Overview

This project extends light rail from Angle Lake Station in the city of SeaTac to the Federal Way Transit Center. The 7.8-mile extension includes three stations in Kent/Des Moines near Highline College, South 272nd Street and the Federal Way Transit Center. One-third of the line being constructed is aerial, with two-thirds of the line at ground level.

The project expands light rail to the University District, Roosevelt, and Northgate. In 2022, Tacoma Link will expand to the Hilltop neighborhood. In 2023, trains will reach Mercer Island, Bellevue, and the Overlake area. In addition to the Federal Way Link Extension, 2024 will bring the opening of extensions to Shoreline, Mountlake Terrace, Lynnwood, and Downtown Redmond. The 2024 scheduled completion will accommodate the 29,000 – 34,000 daily riders Sound Transit estimated by 2026.



South 272nd Street Station

Soteria's Contribution to This Project

Working with Mass. Electric Construction Company, Soteria Company is preparing the Traction Power Substation (TPSS) Reliability Program Plan, and preparing and implementing the TPSS Reliability Demonstration Test Plan and Procedures for the two light rail extensions under this Project.



Kent/Des Moines Station

Deliverables to Mass. Electric include:

- Signals Maintainability Program Plan
- TPSS Demonstration Test Plan and Procedures
- Reliability for Communications, TPSS and Signals, including:
 - Reliability Program Plan
 - Predicted Reliability Reports
 - Reliability Testing Procedures
 - Reliability Program Assessment Reports