

Northgate and East Link Extension Systems Preconstruction



SOTERIA PROJECT PROFILE

Project: Northgate and East Link Extension Systems Preconstruction

Owner: Sound Transit Authority

Client: Mass. Electric Construction Company

Soteria's Role:

- Traction Power Substation (TPSS) Reliability Program Plan
- Signals Reliability Program Plan
- TPSS Demonstration Test Plan and Procedures
- Signals Demonstration Test Plan and Procedures

Completion: Scheduled for 2022 (Northgate) and 2023 (East Link)

Project Overview

The Sound Transit Northgate and East Link Extension Project encompasses two transformative light rail extensions that will serve tens of thousands of Sound Transit commuters in Washington state.

The Northgate Extension adds three new stations in Seattle, two underground stations (U District and Roosevelt stations), and an elevated station at Northgate. It is estimated that this extension will serve more than 60,000 weekday riders by 2030 and connect Northgate residents to Sea-Tac Airport in 47 minutes and downtown Seattle in 14 minutes, operating in twin tunnels from the University of Washington Station.

The East Link Extension is a 14-mile-long extension connecting Seattle, Mercer Island, Bellevue, and Redmond. It is projected to serve an estimated 50,000 people per day by 2030. Once completed, the extension will be the world's only passenger light rail service operating over a floating bridge, the section of I-90 over Lake Washington connecting Mercer Island and Seattle.

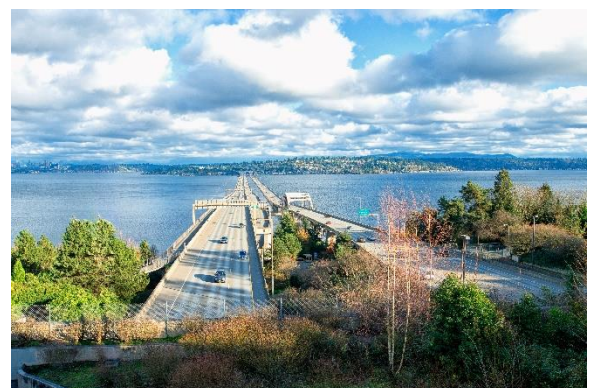
Soteria's Contribution to This Project

Working with Mass. Electric Construction Company, Soteria Company is preparing and implementing the following plans and procedures for these two light rail extensions:

- Reliability Program Plan for both the Traction Power Substation (TPSS) and Signals
- Reliability Demonstration Test Plan and Procedures for both TPSS and Signals.



Northgate Station



East Link Floating Bridge over I-90

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Deliverables to Mass. Electric on Reliability for TPSS and Signals include:

- Reliability Program Plan
- Reliability Analysis
- Reliability Demonstration Test Plan and Test Procedures

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