



2020 - 2021



Skanska
Sound Transit

18

AMTS Locations

405

Prisms

PROJECT DESCRIPTION

The proposed Lynnwood Link Extension L300 stretches the light rail from NE 200th to the Lynnwood Transit Center. The L300 north segment of the overall Lynnwood Link Extension is 3.7 miles into Snohomish County in the state of Washington. The project also includes two elevated stations and a five-story parking garage.

MONITORING

To tackle this complex project, the General Contractor (Skanska) requested an automated option for soldier pile and wall monitoring. Sixense was hired to provide these services and expertise in order to ensure the public transit project is completed safely and the client can closely follow up on critical benchmarks. Sixense monitored the settlement and targeted optical monitoring points on locations requested by Skanska utilizing their Automated Motorized Total Stations - Cyclops. They identified 12 Soldier Pile and Wall/AMTS locations, which required automated monitoring for a site duration of 19 months. Sixense provided and installed their Geoscope IDMS (Integrated Management Data System) on a designated server for web-enabled access to all the Cyclops AMTS Data. The Geoscope system provides web-based data collection, management, processing, and plotting. All monitoring data is then centralized into Geoscope and made available to the designated parties.

PROJECT TAKEAWAYS

Upon opening, riders will enjoy fast, frequent, and reliable service to travel throughout the surrounding area. According to the client (Sound Transit), the projected ridership is 47,000 - 55,000 daily riders by 2026. Utilizing Sixense's safe, efficient, and highly innovative monitoring system, the city light rail has an estimated completion date in the summer or fall of 2024.

