



Andy Kost

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EB 310



<https://www.ccilt.com/projects.html>

SELLWOOD BRIDGE LANDSLIDE

Description

The Sellwood Bridge is a critical transportation link across the Willamette River for the south side of Portland. When the original 90-year-old bridge was replaced beginning in 2013, stabilizing an active, ancient landslide at the west abutment of the bridge was a key geotechnical challenge that required numerous types of structural solutions within a complex geologic formation. This presentation will explore the history of the project, discuss methods for landslide stabilization, review the project-specific challenges, and discuss structural solutions implemented. This case history will particularly explore the soil-structure interaction of the landslide mitigation system and how construction sequencing impacted landslide performance.

Biography

Andy Kost is a licensed professional engineer and associate with Cornforth Consultants, Inc., a Portland, Oregon-based consulting firm specializing in geotechnical engineering, engineering geology, hydrogeology, and seismicity. Andy received his Master of Science degree in Geotechnical Engineering from Virginia Tech and has accumulated over 13 years of experience with landslides and other geohazards. His professional interests include analysis and interpretation of landslides, seismic evaluation of geotechnical structures, soil-structure interaction, and developing technically rigorous solutions for complex geotechnical problems.