

## PORT of ANCHORAGE EXPANSION PROJECT ANCHORAGE ALASKA Container Terminal

Existing platform docks are being replaced with 8,000 feet of OPEN CELL SHEET PILE bulkhead dock creating 135 acres of upland staging area in five phases to be completed by 2015. A rigorous geotechnical analysis included multiple methods involving both classic analysis and numerical methods that provided consensus of results. Due to seismic activity in the area, a subduction zone event was considered with time histories developed that extend for four minutes, with energy input larger than the 1964 Great Alaska Earthquake. The Maritime Administration, the local Geotechnical Advisory Committee, the Alaska district of the USACE and the Engineering Research Development Center (a research arm of the USACE) provided oversight.



