



Conley Terminal Berth 11 & 12 Backlands Reconstruction

Massport's Paul W. Conley Container Terminal is a vital economic asset for New England, serving more than 2,500 regional businesses, including 700 enterprises in rural areas. As New England's only deep-water, full-service container terminal, this 101-acre facility services an average of five vessels per week.

In 2014 Massport launched the Conley Terminal Modernization Program, an \$850 million investment in the Port of Boston's maritime infrastructure including rehabilitation of Berths 11 and 12, expansion onto an adjacent site via construction of a new deep-water Berth, construction of additional container yard storage areas, and Boston Harbor deepening project by the US Army Corps of Engineers.

One key project was rehabilitation of the backland container area behind Berths 11 & 12, the most utilized area within the Terminal for the interim storage of thousands of shipping containers prior to their being loaded onto trucks for consumer delivery throughout the region. Constructed in the 1980's, the long-term degradation of the yard pavements and drainage infrastructure under heavy industrial use resulted in sinkholes, differential pavement and concrete runway settlements, and water ponding that froze in the winter, causing unsafe and inefficient operations for personnel and cargo-handling equipment.

Completed ahead of schedule and under budget, the Conley Terminal Berth 11 & 12 Backlands Reconstruction Project used an innovative, and sustainable, approach to correct these issues using full-depth pavement reclamation and recycling to reuse the materials in-place which reduced waste, costs and operational downtime by eliminating off-site disposal of existing asphalt, and import of sub-base materials.

Title: Conley Terminal Berth 11 & 12 Backlands Reconstruction | Boston, Massachusetts

Client/Owner: Massachusetts Port Authority | Boston, Massachusetts

Entrant: HDR | Manchester, New Hampshire

