

Project:

Barge Repair Facility Tow Rail System Design



Challenge:

Design a tow rail and winch system capable of pulling barges out of the water weighing up to 1,200 tons. Obtain permit approval from the Port of Los Angeles.

Resolution:

Our engineering team designed a reinforced concrete rail system and foundation that could withstand the heavy weight of the barge as well as the high lateral loads generated by the winch system. The design was approved and permitted by the Port of Los Angeles and is currently operating.