



Arthur Kill Channel Dredging / Deepening ELIZABETH, NEW JERSEY

The Cashman JV was selected by the Army Corps to dredge and deepen the Arthur Kill Channel from the existing 43' MLW to 52' MLW (+1.5' overdredge) to accommodate New-Panamax container and other large, deep-draft ships. This project involved dredging in hard rock within one of the busiest shipping channels by volume and by traffic on the East Coast. Hard rock drilling and blasting operations included construction of an artificial mitigation reef; controlling marine traffic; coordination with local, state, and federal authorities; off-shore disposal; and bathymetric surveys.

The Cashman JV received several "Outstanding" reviews from the USACE New York District upon completion.

PROJECT HIGHLIGHTS

- The Cashman JV mechanically dredged ~1,800,000 CY of material using the *FJ Belesimo* clamshell dredge and the *AJ Fournier* excavator dredge.
- Underwater drilling and blasting were self-performed by Cashman for bedrock removal, using Cashman's drill boat, *Kraken*.
- The Cashman JV provided sampling and testing of subsurface materials.
- Unsuitable non-rock material was placed at an upland disposal facility.

Location:	Elizabeth, NJ
Contractor:	Northeast Dredging Equipment Co., LLC JV: (Cashman 50% Owner)
Contract Number:	W912DS-11-C-0018 / SAK-2
Contract Dates:	Nov. 2011 - May 2015
Dollar Value:	\$93.7 Million
Awarding Authority / Owner:	USACE / New York District
Project Engineers / Managers:	Cashman Dredging & Marine Contracting Company, LLC

