



Deepwater Port Dolphin Construction

SAINT KITTS, WEST INDIES

Cashman constructed a new breasting dolphin at the deep-water commercial port in Basseterre, St. Kitts. This dolphin made it feasible to berth eagle-class cruise ships at the commercial pier while the second pier was under construction. Additionally it provides a larger berth for increased capacity cargo ships. The dolphin is made up of seventeen 36” piles and has a 230-cubic-yard cap made up of reinforced 5,000 psi concrete. Cashman also constructed the temporary deck, rebar reinforcement cage, and form work for pouring concrete.

PROJECT HIGHLIGHTS

- Construction services included driving piles into the seabed to gain compression strength and to provide a platform to cruise ships that were larger than the then-current berth at the cargo port, for breasting and mooring.
- Cashman conducted the pile driving into bedrock depths; welding and testing of piles; and cutting of steel.
- The infrastructure was designed so the dolphin could still be used as a breasting dolphin once the Bird Rock pier was developed and expanded.
- Because the area was extremely busy, Cashman worked with SCASPA to keep mariners away from construction areas.
- Work was completed in time for the spring 2014 cruise season.

Location:	Bird Rock, Basseterre, St. Kitts, West Indies
Contractor:	Jay Cashman, Inc
Contract Dates:	2014
Dollar Value:	\$1.0 million
Awarding Authority / Owner:	St. Christopher Air and Sea Ports Authority (SCASPA)
Owner Contact / Details:	Mr. Ludel Harvey Chief Marine Pilot harveylharvey@yahoo.com
Jay Cashman, Inc. was contracted by the St. Christopher Air & Sea Ports Authority (SCASPA) to support its long-term strategy to further develop and modernize the cargo port of Bird Rock to accommodate larger cruise ships visiting St. Kitts and Nevis.	

