



## Transportation Ports & Maritime

### Client

The West Indian Company, Ltd

### Location

St. Thomas, U.S. Virgin Islands

## Cruise Pier Expansions and Improvements

CH2M HILL has been serving the West Indian Company Ltd., (WICO) since 1997 as dock engineers and designers for numerous improvements to the Cruise Ship berth in St. Thomas. As one of the most visited piers in the Caribbean, the pier and berth were upgraded and expanded to accommodate increasingly larger cruise ships.

CH2M HILL designed a 200-foot extension of the berthing length of the WICO pier and added an extra breasting dolphin and mooring buoy to accommodate the Ultra-Voyager class or Freedom class vessel.

Improvements also involved constructing approximately 1,500 linear feet of new steel sheet bulkhead outboard of the existing bulkhead. Other work included removing existing fenders, selectively demolishing concrete cap and pavement, installing new steel sheet piles, installing new tie back anchors and rods with wale system, fill materials, reinforced concrete encasement and cap, installing new fenders, restoring pavement, and cleaning up the site.

Additional projects performed by CH2M HILL at the WICO pier include:

- Study, design, permitting, and construction services for maintenance and construction dredging of about 20,000-cubic yards of material from cruise ship berths.
- Security assessment and grant writing, resulting in successful Transportation Security Administration grants for security improvements

Total projects to date are approximately \$16 million in constructed value.