

# Construct New Dual Covered Moorings

United States Coast Guard



## Project Type

Design Build

## Location

Neah Bay, Washington

## Estimated Construction Cost

\$ 2,800,00 USD

## Date of Service

2009 - 2011

## Project Description

This Project by Appledore Marine Engineering, Inc., was awarded the 2011 SAME Design Excellence Awards – bronze award for the Small Business category by the Seattle and Tacoma Posts.

*Construct New Dual Covered Moorings at Station Neah Bay*, demonstrates project success at many levels; timely communication, dedication to excellence at all levels, and commitment to completing an outstanding project on time and on budget, contributed to an exceptional product that ensures USCG Station Neah Bay can safely and comfortably continue their critical missions for the public in the Neah Bay area.

A covered mooring facility was designed and constructed within the footprint of an existing pier thereby significantly reducing construction cost and minimizing construction impact time. The design relies on pre-manufactured elements and a single row of vertical bearing piles to reduce construction time, maximize usable berthing area and reduce initial capital cost. A pre-engineered metal building is supported on a concrete foundation with steel pilings. The foundation beam provides a narrow catwalk for interior access and a weather screen to protect the two 47 foot motor life boats.



600 State Street, Suite E  
Portsmouth, NH 03801  
Phone: 603-766-1870  
Email: nelwood@appledoremarine.com  
www.appledoremarine.com

## Services Provided

- Structural Analysis
- Concept Development
- Design
- Construction Administration
- Finite Element Modeling
- Cost Estimate
- Wave Analysis/Design
- Seismic Analysis