

## Demolition of 65 Ton Gantry Crane on 60' Concrete Silo

Ford Isle, Pearl Harbor, Hawaii



### Owner

US Navy, Naval Sub Training School  
Mr. Bob Lupinacci GD Elec. Boat

### Location

Ford Isle, Pearl Harbor, Hawaii

### Contract Value

\$347,261.49

### Start-Completion Dates

July, 2005-Sept 2005

- Lead & Asbestos Abatement and Demolition of a Structural Steel Gantry Crane atop a 60' high concrete Silo.
- Installation of New Roof on Canopy Structure (formerly used as Mock Missile Silo Doors)
- Silo Structure Considered Historic—hence it was spared from demolition.

## Project Description

The NAKOA Companies, Inc. was honored with a contract from Electric Boat (a division of General Dynamics—the Builder of America's Submarine Fleet) to demolish a 65 ton structural steel gantry crane that was coated with Lead Containing Paint and constructed above a concrete Mock Missile Silo that was built in the 1960's to train submariners. Loose Lead Paint flakes were first removed using 100' snorkel manlifts to control the lead from migrating. A 90-ton crane lifted two 30 Ton plus sections safely to the ground where further lead abatement was done before being demolished by a La Bonte Shear on a CAT 365 Excavator.



After removing the Asbestos Containing Materials on the existing "Missile Doors", new roofing was placed on the structural steel to keep the silo dry on the inside. The concrete silo was refurbished with a new paint job to complete the restoration activity.

## Company Role

The NAKOA Companies, Inc. was the prime contractor on this project. S&M Welding & Associated Steel were Subcontractors.

## Special Notes:

- The NAKOA Companies, Inc. received an award for "Outstanding Performance" by the Naval Submarine Training School and Electric Boat for its excellent work.
- A Crane Lift Plan was prepared for the Navy Safety Representatives and found to be in compliance and expertly prepared.
- The Structural Steel from the crane was recycled; Lead Paint flakes were tested (TCLP) and found to be non-haz; Air monitoring results indicated no lead levels were managed safely.

