

CPR – REBUILT TO LAST



Roosevelt Roads Naval Base Runway Repairs Ceiba, Puerto Rico

Photo: billysier@hotmail.com

>>> CONCRETE PAVEMENT RESTORATION

ROOSEVELT ROADS NAVAL STATION, located in Ceiba, Puerto Rico — a small northeastern town — opened in 1944 and upgraded to Naval Station status in 1957. For the next 47 years, the base was utilized for flight practice as well as other missions. Although the naval base is now closed, during operation, it was home to hundreds of military personnel and their dependants. The 2,900-acre site is now being marketed to the public.

In 2001, the U.S. Navy sought to repair the 11,000-foot runway that served the Navy's Atlantic air fleet. With the exception of small amounts of patch and seal work, minimal maintenance had occurred on the runway since it was constructed in 1943. The concrete on the runway had a very large, hard and dense aggregate with joints every 20-feet and an existing joint width of 3/4-inches, widened out to 7/8-inches and 2-inches deep.

The project employed partial- and full-depth patches, sawing, striping and resealing of joints.

Approximately 3,500 square-feet of partial-depth patches, 1,800 square-yards of full-depth patches, and 250,000 lineal-feet of joints were sawed and resealed.

Kent Huff of Huff Sealing noted there were many challenges on this project. In addition to having to hire local workers, the schedule also proved challenging as the military had unplanned exercises that required use of the runway. Additionally, the concrete in Puerto Rico was difficult to cut with diamond blades. Mobilizing had to be carefully planned in order to get equipment and tools to Puerto Rico from the mainland. Although the project needed to be completed in 150 days, the team was able to complete it in 72, even with unplanned exercises by the military. The Huff Sealing team worked six days per week to complete the project on time. The result for the naval base was a quality runway that will provide safe, economical service for many years into the future.

TEAM MEMBERS

- U.S. Navy (Owner)
- Huff Sealing
(Prime contractor)