

NLB Concrete Buster® Robot Prepares Hawaiian Roadway for Overlay

Hawaiian Dredging of Honolulu, HI, was recently called upon to overlay four miles (six kilometers) of bridge deck – 850,000 sq. feet (79,000 sq. meters) of roadway – on the new Hawaiian Interstate Route H3. The job specifications called for preparing the surface to a .04-.08 micro-texture before applying an overlay.

Hawaiian Dredging's contract included a stipulation that the entire job had to be completed on time or they would be assessed a penalty. Their NLB hydrodemolition equipment proved up to the task, approaching rates of 1,200 sq. feet (111 sq. meters) per an hour to bring the job in without penalty.

The new H3 Interstate connects the Pearl Harbor Navel Base with the Kaneohe Bay Marine Corps Base on the other side of Mt. Halawa. The bridge deck is located in the Halawa Valley, an environmentally sensitive area, so special care was required in the handling of run-off water and construction debris.



Surface preparation using the NLB Concrete Buster robot involved four miles (6 kilometers) of 2-lane bridge deck.



The Concrete Buster produced an ideal texture for overlay application.



Hawaiian Dredging's Concrete Buster and 20600D pump unit worked in tandem, approaching rates of 1,200 sq. feet (111 sq. meters) per an hour.

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