NLB Corp.

Product Application Bulletin

PAB-9

NLB Hydrodemolition System Aids Bridge Expansion Project

During the recent Bridge expansion project on the I-295 Jacksonville Bypass,a Hydrodemolition Contractor used the NLB Model 4400 Concrete Buster® system to separate the bridge deck from an existing bridge rail.

After removing the rail with a LaBounty Universal Processor, two additional lanes will be added to the side of the bridge by tying into the exposed rebar of the existing span.

By pre-separating the concrete bridge deck prior to using the Universal Processor, the existing bridge wall was removed without causing microfractures in the remaining concrete. The NLB system worked so well that the Florida DOT is considering specifying hydrodemolition for all bridge widening projects where economics permit.

The NLB Concrete Buster efficiently separates the bridge rail from the bridge deck.

The Hydrodemolition Contractor is very satisfied with their NLB Concrete Buster system stating that it did everything they were told it would do and more. They were able to remove an 8" (203.2 mm) wide section of concrete, 7.5" (190 mm) deep at a terrific rate.

The NLB hydrodemolition system consists of the Model 4400 Concrete Buster robot and a 20,000 psi high-pressure water jetting system.

Hydrodemolition allows for the removal of the bridge rail without causing microfractures in the remaining deck.

The Leader in High-Pressure Water Jet Technology

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