

## June 2009: New Jersey Bridge Replacement

Route 23 over Peckman's Brook Bridge Replacement Project  
Owner: New Jersey Department of Transportation  
General Contractor: Ritacco Construction, Belleville, NJ  
Beam Fabricator: Harbor Technologies, LLC, Brunswick, Maine

On Monday, June 8, 2009, two trucks each carrying three HCB's manufactured by HCB licensee Harbor Technologies, LLC arrived at the jobsite for construction of the first stage of the two stage bridge replacement. The 2,200 pound beams were off-loaded and set in place by the contractor, Ritacco Construction using only a John Deere 790E LC excavator. Once set in place, the units were joined using a high strength polymer adhesive (no shear keys or transverse post-tensioning is required).



Following installation, the beams were pumped full of concrete (approximately 16 cubic yards of concrete total for the six beams) with concrete. Ritacco will be casting the roadway deck and parapets along with the integral backwalls and approach slabs in the next month and then will shift traffic onto the new bridge and demolish the other half of the existing bridge. Plans currently call for the erection of the second half of the bridge in late summer of this year and the bridge completely replaced this year.