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PROJECT PORTFOLIO - POST-TENSIONING DIVISION

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Pearl Harbor Memorial Bridge

New Haven, Connecticut

SDI SCOPE:

- **Post-Tensioning System:** Protection Level 2
- **Form Travelers:** Design/Fabrication of a 110ft Span
- **Stay Cable System:** Supply and Tech Support



The Pearl Harbor Memorial Bridge, also known as Q-Bridge, connects New York and Boston. It replaces the existing bridge built in 1950 on I-95. The existing bridge (6 lane steel bridge) is being replaced with the first extradosed stay cable bridge in the United States. 128 stay cables support the 10 lane superstructure consisting of (48) 0.6" diameter strands.

The Q-Bridge Form Travelers are one of a kind and have challenged our crew of Engineers to create the impossible. SDI fabricated and designed travelers that incorporate 4 main rails (typically 2) which support the ability to form a total of 5 cells. Schwager Davis, Inc. supplied Walsh-PCL Joint Venture with 4 travelers, the stay cables to support the superstructure, and the PT for this masterpiece. It is an elegantly designed bridge with a complicated framework.