

Precast Concrete Bridge - Replacement

# RHODE ISLAND DOT BRIDGE 550

## The Pawtucket River Bridge

Due to aging Infrastructure and an increase in traffic the RI DOT needed to replace Pawtucket River Bridge. The new replacement bridge # 550 AKA the Pawtucket River Bridge carries I-95 over the Seekonk River between Exits 27 and 28.

The \$80M Pawtucket Bridge replacement became a high priority in the fall of 2007 when deficiencies in the existing I-95 bridge forced RI DOT to lower the load rating on the existing structure and implement a major truck detour.

### CONSTRUCTION CHALLENGE

RI DOT required the design team and contractor to reduce the construction time frame. In addition, closing Exit 27 was necessary to complete a phase of the project, RI DOT

realized this closure needed to be as possible for the benefit of nearby businesses. and accelerate the reopening of this exit to help minimize the impact to downtown businesses.

### PRECAST SOLUTION

RI DOT wanted precast and prefabricated sections that would reduce the construction time frame. Oldcastle Infrastructure supplied these components due to their structural strength, durability and fast-track construction ability.

Oldcastle Precast Provided:

- Pre-stressed Deck Panels: (170+) 9'-8" W x 9" Thick x 16'-1", 34'-0" and 40' Long
- MSE Wall Panels

### DESIGN & CONSTRUCTION TEAM

#### General Contractor

S & R Pihl JV

#### Owner

Rhode Island DOT

#### Total Project Value

\$80,000,000

#### Precast Value

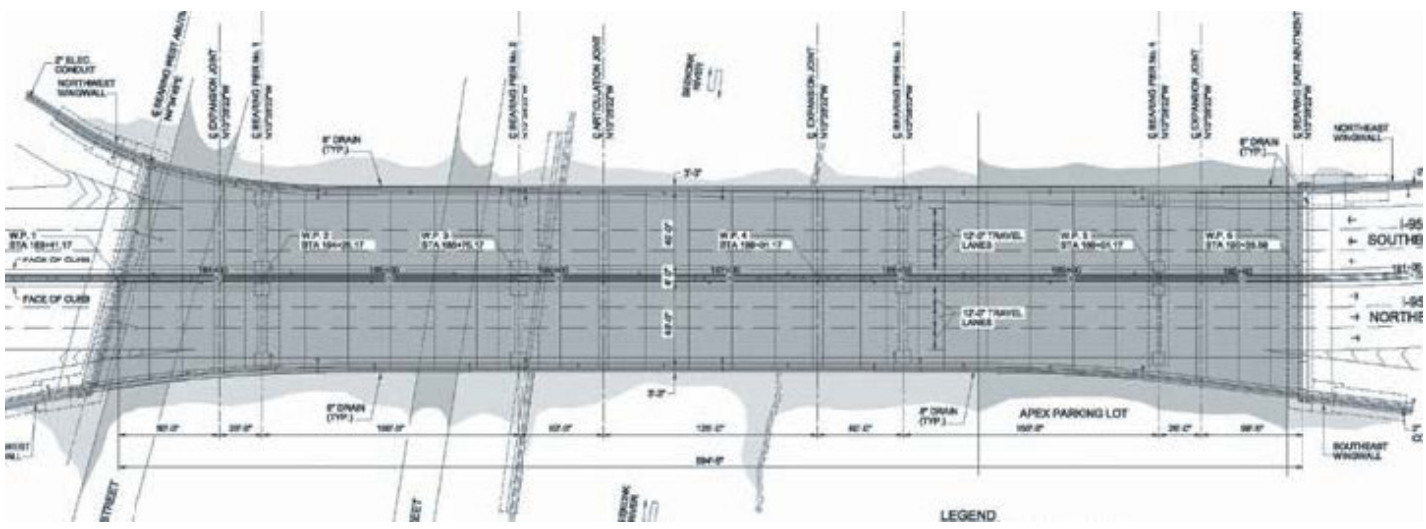
\$1.9 M

#### Precaster

Oldcastle Infrastructure

#### Manufacturing Facility

Oldcastle Infrastructure  
Rehoboth, MA



### About Oldcastle Infrastructure

Oldcastle Infrastructure, A CRH Company, is the leading provider of building materials, products and services for infrastructure projects to several market sectors nationwide, including: Building Structures, Communications, Energy, Transportation and Water.

For More Information Contact:

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