



Precast Concrete Bridge - Reconstruction/Rehab

MASS DOT ABP

US RT 2 Over B & M Railroad

Holyoke, MA

The project consisted of the replacement of the existing bridge carrying State Route 2 over B&M Railroad in North Adams. The existing structure was constructed in 1930. The structure is a three span plate girder with a total length of 121 feet. The structure was replaced in-kind with a new superstructure, founded on new precast concrete foundations consisting of piers and H-pile supported abutments. The bridge is approximately 52 feet wide and accommodates two travel lanes with shoulders and has a 5.5 foot sidewalk.

CONSTRUCTION CHALLENGE

Constructing the superstructure, which is the part of a bridge that spans the roadway, river, or railroad track that the bridge crosses.

The bridge was constructed in two stages with one lane of U.S. Route 202 open to traffic. Conventional construction methods would have required long periods of lane closures for Route 2, resulting in long periods of congestion.

PRECAST SOLUTION

Precast concrete bridge components were selected for the construction method due to their structural strength, durability and fast-track construction ability.

Oldcastle Infrastructure Provided

70+ Precast Components:

- Footing
- Pier Caps
- Columns
- Crash Walls
- Approach Slbs
- Deck Panels

DESIGN & CONSTRUCTION TEAM

General Contractor

SPS New England

Owner

Mass DOT

Contract Value

\$4,274,000

Precast Value

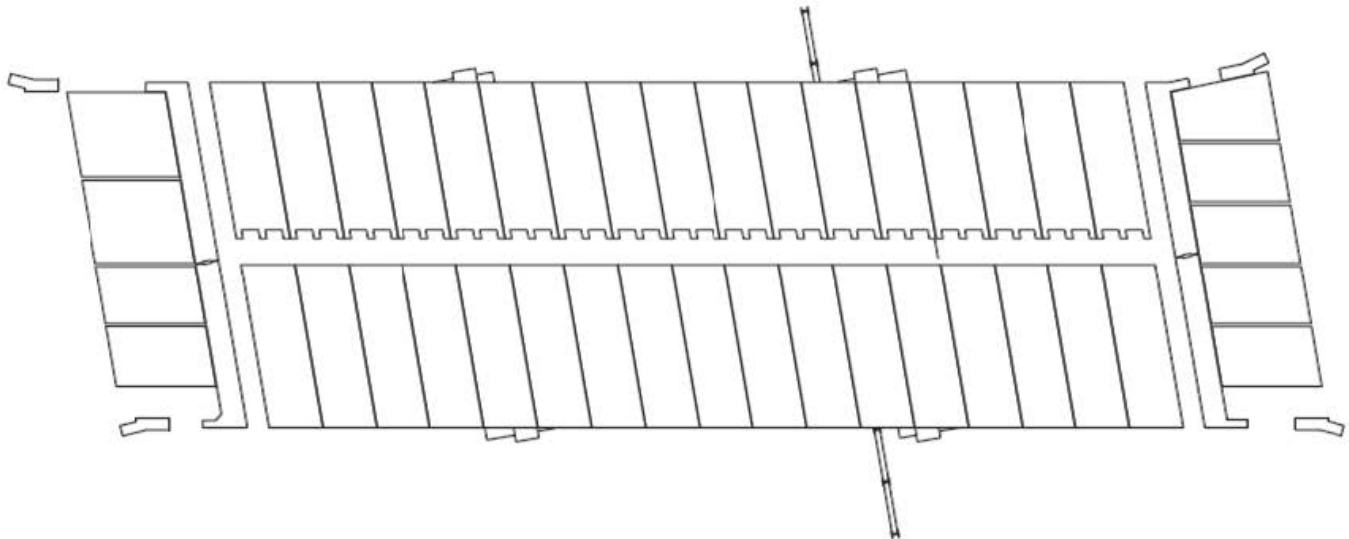
\$700,000

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.

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