

## Point No Point Bridge Replacement

Kearny, NJ to Newark, NJ

### Project Description

The project will replace the existing swing bridge, built in 1901, with a new single leaf bascule bridge over the Passaic River. The bridge carries rail freight for Conrail, CSX, and Norfolk Southern as part of a main freight artery in the New York-New Jersey Metro area within the Meadowlands.

### Owner

CONRAIL

### Total Contract Value

\$212 Million

### Contractor

George Harms Construction Co., Inc.

### Timeline

2022 - 2025

### Designer

Jacobs

### Construction Method and Specifications

173'-6" single leaf bascule main span with 6 steel plate girder approach spans. Cast in place substructure founded on 9'-0" Dia drilled shaft foundations.

### Our Role

MBJ designed a precast soffit system for the Contractor, which aided in construction of the main river pier footings. These pier footings extend below the water line and support the bascule superstructure. The soffit system streamlined construction by allowing substructure construction in the dry, below the waterline, without the need for cofferdams. The two piers varied in size, with the largest being 60' wide x 86' long x 22'-9" thick.

