

## Garden State Parkway over Great Egg

### Harbor Bay

Beesley's Point-Somers Point, NJ

#### Project Description

This project consists of constructing a new 3,840 ft. bridge over Great Egg Harbor Bay and demolition of the old structure. The new bridge consists of 21 spans of precast, prestressed bulb tee girders up to 250' in length, made continuous for live load. The main channel spans consist of spliced, post-tensioned bulb tee girders of varying depth.

#### Owner

New Jersey Turnpike Authority

#### Contractor

JV of Wagman Heavy Civil, Inc. & R.E. Pierson Construction Co., Inc.

#### Designer

Hardesty & Hanover, LLP

#### Our Role

McNary Bergeron & Associates is providing a variety of construction engineering services for the project, including the design of precast slabs used as stay-in-place forms for footing concrete pours, design of the temporary trestle used for crane construction access throughout the project, rigging design and stability analysis for erection of long prestressed concrete girders, and design of the temporary support system for the spliced precast girders prior to post-tensioning operations.

#### Total Contract Value

\$130 million

#### Timeline

May 2013 - June 2016

#### Construction Method and Specifications

Conventional constructed spliced bulb T girder bridge built using cranes on trestle. Substructure utilized precast slabs as lost-forms.

