






Historic bridge replacement gets the WBA treatment

Goethals Bridge

Constructed in 1928, the original Goethals Bridge endured for decades as a critical piece of New York and New Jersey infrastructure until increasing traffic demand, new bridge standards and modernizing transportation rendered the structure obsolete. In 2018, construction was completed on a brand new Goethals Bridge. This includes 12-foot-wide lanes with shoulders, a 10-foot-wide pedestrian/bike path and integrated smart bridge technology that provides continuous electronic monitoring of the structure.

Watson Bowman Acme was involved with this \$1.5 billion bridge replacement from the beginning - from the proposal phase, right through to construction. WBA provided eleven large Wabo®Modular expansion joints as well as custom sliding plates, Jeene® joint seals and Trelleborg waterstops. WBA worked closely with KWM to choose the right expansion joint products, a relationship which allowed them to quickly adapt to changing project needs and minimize interruptions to construction. WBA's in-house engineering team also worked in conjunction with the contractor to develop the best way to set the expansion joints, and WBA Field Service was dispatched regularly to assist with joint installations throughout construction.

WBA PRODUCTS USED

-  **Wabo®Modular**
Large movement joint system
-  **Jeene®**
Multi-directional sealing system
-  **Trelleborg Waterstops**
Watertight tunnel seals



INSTALLATION

2017-2018

Connects Staten Island, NY and Elizabeth, NJ

OWNER

- Port Authority of New York & New Jersey (PANYNJ)

DESIGN TEAM

- Parsons Transportation Group
- KS Engineers (KSE)
- NYNJ Link Partnership

CONSTRUCTION TEAM

- Kiewit-Weeks-Massman (KWM), a joint venture team comprised of:
 - Kiewit
 - Weeks Marine
 - Massman Construction

STATS

- Bridge Type: Dual-span cable-stayed twin bridge
- Total Length: 7,109 ft (2,167 m)
- Longest Span: 672 ft (205 m)
- Daily Traffic: 82,852 (2016)