Hunter Station Bridge Replacement  
U.S. Route 62 over the Allegheny River  
Tionesta Township, Forest County, PA

Owner: Pennsylvania Department of Transportation, Engineering District 1-0  
Firm: Dewberry Engineers Inc., Mechanicsburg, Pennsylvania

The rugged, rolling terrain at this river crossing required innovative design and planning to reconcile design and site access challenges. To overcome these, Route 62 was shifted and a new bridge constructed along an alignment parallel to the existing bridge. This allowed traffic to be maintained, avoiding a 43-mile detour, keeping the overall footprint of the project within tightly constrained limits, and mitigating impacts to the adjacent Hunters Station Golf Course.

The structure design features a partially curved steel plate girder superstructure, lengthy 350-ft. interior spans resulting in only two river piers, and single shaft hammerhead piers. An enclosed bridge deck drainage system protects the Allegheny River from deicing agents and other contaminants. Construction activities were carefully controlled and in-stream work was completed during a single season.

The largest known populations of two federally-endangered mussel species also thrive at the site. Through consultation and planning efforts, site impacts were minimized and more than 149,000 mussels were relocated prior to construction.

**Fast Facts**
- Construction cost: $24 million
- 4 Spans: 180’-350’-350’-244’
- 10’ deep steel plate girders, horizontally curved in Spans 1 and 2
- Drilled shaft pier foundations with 10’-6” diameter rock sockets
- Mussel relocation included more than 85,000 moved to locations in six states within their historic range