



BEST OF
2008
AWARDS

The Wilson Bridge - Maryland Approach Spans, Prince Georges County, Md.

AWARD OF MERIT - Bridge

Key Players

Owner: Maryland Department of Transportation, Baltimore

General Construction Services: Potomac Constructors, a triventre of Edward Kraemer & Sons, Plain, Wis.; American Bridge, Coraopolis, Pa.; and Trumbull Corp., Pittsburgh

Architect: Parsons, Baltimore

Construction Engineer: Janssen & Spaans Engineering, Indianapolis

Structural Steel: High Steel Structures, Lancaster, Pa.

The **\$203.7 million** Woodrow Wilson Bridge Maryland Approach Spans project is part of a larger, more comprehensive program to replace the 7.5-mi-long Woodrow Wilson Bridge corridor, a network of highway approaches and bridges connecting Maryland and Virginia.

Potomac Constructors' scope of work included construction of approximately 3,300 lin ft of dual-fixed bridge approach spans on the Maryland side, including foundations, substructure, superstructure and incidental construction. The triventre of Edward Kraemer & Sons of Plain, Wis.; American Bridge of Coraopolis, Pa.; and Trumbull Corp. of Pittsburgh, began work in June 2003. Construction is set to wrap up in December.

The construction team precast 616 V-shaped segmental piers, with curved legs, providing training to local laborers inexperienced with precasting.

On the inner and outer loop decks, Potomac Constructors placed the concrete at close to double the minimum production rates specified by the Maryland Highway Association, yet the team still achieved excellent ride results, with less than 0.1% of the 783,000-sq-ft deck requiring grinding.

Potomac Constructors stepped in with management, quality control and access assistance for a struggling painting subcontractor, resulting in a fivefold increase in production and an increase in overall quality.