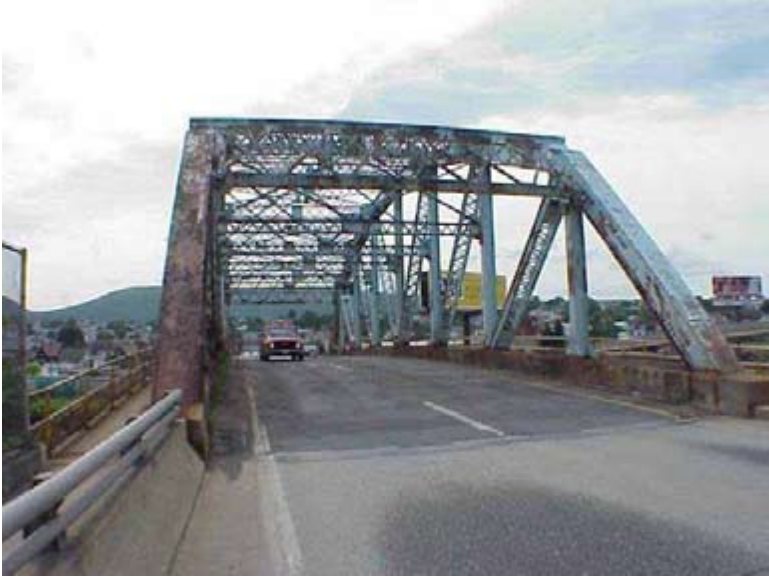


7th street bridge replacement

Location:	City of Altoona, Blair County, District 9-0
Completion Date:	11.01.05
Construction Cost:	\$9,200,000
MPMS #:	21758
Contact Information:	Brad J. Brumbaugh, PE 814.696.7174 bbrumbaugh@state.pa.us
Themes:	Leverage and preserve existing investments; Build towns not sprawl
Project Overview:	<p>A typical replacement of a structurally deficient bridge carrying 7th Street (S.R. 4013) over Norfolk Southern Railroad would not have resulted in the 7th Street Bridge of today. The existing three-span bridge, built in 1912, included a steel thru-truss center span. The replacement structure is a six-span, 537' long, pre-stressed concrete box-beam bridge which serves as a gateway into Downtown Altoona and includes an architectural truss, stone texture formliners, period lighting, and decorative walls with mounted semaphore sculptures.</p> <p>The City of Altoona brought their own architect onto the project team and was an integral part of the design process. The City's efforts were coordinated by the City of Altoona Enhancement Committee.</p> <p>Although the bridge structure did not qualify as a historical resource per PHMC, the City of Altoona felt that the steel-truss center span was a locally significant feature. Adjacent to the bridge, the City has plans to construct a park to serve as a "gateway" into the downtown area. Together with the City, the PennDOT team developed a design solution that was sensitive to the area's existing and future uses, and the new bridge included architectural truss, stone texture formliners, period lighting, and decorative walls with mounted semaphore sculptures.</p>
Lessons Learned:	The key to successful CSS design is proper coordination with the agencies, whether they are local officials, environmental agencies, or both.

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