

bayfront connector (broad street to east 12th street)

Location:	City of Erie, District 1-0
Completion Date:	11.1.2004
Construction Cost:	\$21,888,622
MPMS #:	1238
Contact Information:	Ms. Jeanette Uhl 814.678.7084 huhl@state.pa.us
Theme:	Understand the context; plan and design within the context

Project Overview: Section A60 of the Bayfront Connector was the final link in the connection from the Bayfront Parkway to I-90. The new alignment weaved through a highly industrialized area with historic significance. This section of the project included one mile of four lane divided highway on new alignment, one 8-span fabricated steel structure, one two span pre-stressed structure and one two span local street overpass structure, several signalized intersections, extensive railroad track relocations, a bituminous pedestrian bikeway-walkway, landscaping and an earthen sound barrier.

This project incorporates formliners and pigmented anti-graffiti coatings into roadway concrete barriers and the bridges to enhance this combined residential and industrial area. A parallel meandering pedestrian bikeway- walkway was included to facilitate additional modes of transportation. Significant areas along the project include extensive landscaping as a calming effect for the traveling public as well as for pedestrians. Bronze plaques were incorporated into the Zurn Viaduct Bridge as a tribute to the Historic Zurn Industrial Complex site which the bridge runs through. The red brick formliner on the outside of the parapet helps the structure blend in with the red brick buildings that are adjacent to it as a mitigation for going through the historic, industrial complex.

The District coordinated with various organizations in developing this project, including the Erie Environmental Coalition, SONS of Lake Erie, Gateways and Greenways Focus Group, Greater Erie Industrial Development Corporation, and the City of Erie.

Lessons Learned: By including the architectural finish as a bid item it becomes apparent that these treatments can be costly, but are not excessive for cast-in-place components. Applying pigmented anti-graffiti coatings, rather than applying clear coatings over a pigmented concrete were actually a cost savings and improved the overall appearance and assured a uniform color match.

- Awards:**
- American Society of Civil Engineers, Pittsburgh Chapter - 2006 Civil Engineering Achievement Award
 - Engineer's Society of Western Pennsylvania - 2005 Transportation Project of the Year
 - American Council of Engineering Companies of Pennsylvania (ACEC/PA) - Diamond Honors Award

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