

HOT METAL BRIDGE PEDESTRIAN AND BICYCLE TRAIL

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HOT METAL BRIDGE PEDESTRIAN AND BICYCLE TRAIL PITTSBURGH, PENNSYLVANIA

Owner:

Urban Redevelopment
Authority
200 Ross Street
Pittsburgh, PA 15219
(412) 255-6600

Design Engineer:

Parsons Brinckerhoff
Four Gateway Center
Pittsburgh, PA 15222
(412) 644-3043

Project Highlights:

- Construction Management and Inspection
- \$9.2 million
- Completed: November 2007
- 1,052-foot long railroad bridge
- New ramps and bridge over Second Avenue
- Deck replacement, lighting, and railing
- Switchback concrete ramp
- Received 3 industry awards



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Trumbull Construction Management Services (TCMS) Group provided construction management and inspection services for the rehabilitation and extension of the Hot Metal Bridge for pedestrian and bicycle use. The intent of the project was to renovate the bridge to provide a suitable 14-foot wide pedestrian/bikeway connection across the river and Second Avenue. New ramps were constructed at the ends of the bridge, including a switchback concrete ramp to descend to street level on the south end and a new bridge over Second Avenue to connect to the Eliza Furnace Trail on the north end. The remainder of the existing bridge was rehabilitated, including new deck placement, decorative lighting, ornamental railing and bridge structure painting.

The connection from the Hot Metal Bridge to the Eliza Furnace Trail is important to the biking community, especially since it will be heavily used by the riders from the City's three largest biking neighborhoods—Oakland, Squirrel Hill and the South Side.

The hot metal bridge project won three industry awards in 2008:

- The American Society of Civil Engineers' (ASCE) Civil Engineering Achievement Award
- The American Council of Engineering Companies of Pennsylvania's (ACEC/PA) Diamond Award
- The American Society of Highway Engineers' (ASHE) Outstanding Highway Engineering Project for Category A (less than \$15 million)