



Department of Public Works

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## **Pleasant Street Vertical Lift Bridge Rehabilitation Fact Sheet**

### **THE PROJECT**

The rehabilitation of the Pleasant Street Vertical Lift Bridge over the Milwaukee River began on Tuesday, September 4, 2012. The bridge was closed to vehicular and pedestrian traffic, but remained open to river navigational traffic. The Pleasant Street closure extended from North Water Street to North Commerce Street, however those intersections at E/W Pleasant Street remained open to traffic and pedestrians. Access to adjacent businesses, river walks, docks and businesses was maintained during the project. The project was scheduled to be completed by August 2, 2013, but the bridge opened eight days early on July 25, 2013.

The rehabilitation process included removal of the approach decks, the lift span structural steel, hydraulics, and machinery. The design included new lift span structural steel, new steel grating, new concrete approach decks, new traffic impact gate arms, new hydraulics, and rehabilitated machinery. Other design features include new railings, walkways, bike plates, concrete stain, navigational bumpers underneath the bridge, new system controls, and lighting. New asphalt roadway approaches to North Water Street and North Palmer were also constructed.

The design for this project was completed by the City of Milwaukee Department of Public Works' Infrastructure Division and the construction was performed by Zenith Tech, Inc. of Waukesha, WI. The City of Milwaukee DPW bridge electricians self-performed all the electrical upgrades to the bridge and worked closely with Zenith Tech in a public/private partnership to deliver a safe and fully operational bridge.

### **FUNDING**

The Pleasant Street Vertical Lift Bridge rehabilitation project was fully funded with City of Milwaukee capital funds. The total awarded construction cost for this project was \$5.4 million.

### **HISTORY**

The Pleasant Street Vertical Lift Bridge was built in 1972 and was a typical vertical lift bridge design, with one section of the bridge moving vertically to allow for larger river traffic. Due to harsh environments and continued deterioration of the steel decking and support components, the City of Milwaukee had been monitoring and repairing the deteriorating bridge on an annual basis since 2002 until its closure for major rehabilitation in September 2012.

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