

## 4<sup>th</sup> Street Bridge

A HOCHTIEF Company

### Owner

Colorado Department of Transportation

### Location

Pueblo, CO

### Value

\$28,000,000

### Market

Transportation – Bridges

### Start - Completion Dates

11/2007 – 04/2011

- 1,137-foot-long cast-in-place bridge
- Balanced cantilever construction
- Spans a major rail yard and the Arkansas River
- 377-foot-long main span (the longest concrete span in Colorado)

## Project Description

Fourth Street is a major east-west route through Pueblo, Colo. connecting Interstate 25, downtown Pueblo, and western residential neighborhoods. The 4th Street Bridge carries State Highway 96A across a city street, the Arkansas River, and the Union Pacific and Burlington Northern Santa Fe railroad yards (the Pueblo Yard). The new bridge is actually two separate parallel structures spanning 1,137 feet. This structure is the longest concrete main span in Colorado at 377 feet and provides improved safety and an increased load capacity.

The Pueblo Yard has 36 tracks, including three mainlines. Since access into and out of the railroad yard is limited, Flatiron constructed the bridge using cast-in-place balanced cantilever segmental construction.

The project faced many access challenges associated with the railroad. Flatiron used tower cranes to minimize the footprint in the railroad yard and unloaded all materials from an existing nearby bridge. Flatiron also pumped concrete and provided access for personnel from this existing bridge.

### Company Role

Flatiron was the prime contractor.

### Awards

- *Roads and Bridges* - Top 10 Bridges, Ranked #8, 2009
- Colorado Department of Transportation, Region 2, Project Management Award
- American Segmental Bridge Institute, Bridge Award of Excellence, 2011
- Colorado Department of Transportation, Environmental Excellence Award, Project Category, 2011
- American Council of Engineering Companies of Colorado, Engineering Excellence Award, 2012

