

Bath-Woolwich Bridge

A HOCHTIEF Company

Owner

Maine Department of Transportation

Location

Bath, ME

Value

\$48,500,000

Market

Design-Build - Bridges

Start - Completion Dates

10/1997 - 9/2000

- 3,000-foot-long, six-span concrete box girder bridge
- A record-breaking 420-foot-long span over the navigational channel
- Seven piers on eight-foot-diameter drilled shafts socketed 15 to 20 feet into rock
- 201 segments manufactured in an adjacent casting yard

Project Description

Flatiron designed and built the \$49-million Sagadahoc Bridge, a new segmental bridge connecting the towns of Bath and Woolwich, Maine. At the time of construction, this bridge was the Maine Department of Transportation's first design-build project.

The 3,000-foot-long, 69-foot-wide bridge spans the Kennebec River with four lanes for vehicular traffic, two bike lanes, and a pedestrian sidewalk. There are three approach spans varying from 164 to 184 feet at each end of the main river crossing. Six main spans over the river vary from 203 feet to a record-breaking span of 420 feet over the navigational channel. Each span was constructed using precast concrete box girder segments and erected in balanced cantilever fashion.

Company Role

Flatiron acted as sole contractor for this project, self-performing 80 percent of the construction work and implementing QA/QC programs. Flatiron was also responsible for subcontractor performance, overall project safety, and design coordination.

Awards

- Design-Build Institute of America (DBIA) – Design-Build Excellence Award for Best Civil Project Over \$15 million, 2001
- National Council of Structural Engineering Associations (NCSEA) – Award of Merit for Projects Greater Than \$25 million, 2001
- Northern New England Concrete Promotion Association – Outstanding Concrete Construction, 1999

