

The Wichita Riverfront Pedestrian Bridge

Location: Wichita, Kansas

Submitted by: HNTB Corporation

Owner: City of Wichita, KS, Public Works

Engineer(s): HNTB Corporation

Contractor: Dondlinger & Sons, Inc.

P/T Supplier: VSL

Other Contributors: Law/Kingdon (Landscape Architecture)



Overview:

A recent riverfront development project in Wichita, Kan., included plans for two cable-stay bridges to increase the area's cycle network and pedestrian footpath access. The 322-foot bridge over the Arkansas River and the 242-foot bridge over the Little Arkansas River feature cable-stayed superstructures with match-cast segmental concrete box girders and a reinforced concrete river pier shape to blend with the aesthetic superstructure features. The superstructure is post-tensioned to the anchor abutments. Concrete segments were transported to the site, erected on false work over the river, post-tensioned and then lifted off false work as tensioning of stay cables progressed.