CHRISTOPHER S. BOND BRIDGE
Kansas City, Missouri

Owner: Missouri DOT

Designer: Parsons Transportation Group

Contractor Joint Venture:
Massman Construction Company
Clarkson Construction Company
Kiewit Construction

Years of Project: 2007—2010

Total Project Cost: $245 Million

Owner Reference:
Randy Potts, P.E. (573-526-0515)

Client Reference:
Pat Cassity, P.E., S.E. (Parsons— 312-930-5100)

Project Highlights:
The Christopher S. Bond Bridge in Kansas City, Missouri was the centerpiece of a $245 million project to improve and upgrade about four miles of the I-29/35 Corridor through Kansas City. The cable-stayed bridge across the Missouri River is approximately 1700 feet long, with the two cable-stayed spans supported by a single pylon.

- Main pylon supported by eight drilled shafts 10.5 feet in diameter socketed into shale bedrock.
- Bents 1-4 are supported with drilled shafts bearing on rock ranging from 6.5 to 8 feet in diameter.
- Tip grouting was utilized to enhance the bearing resistance of the shafts at Bent 5 on the north side of the river (bearing in gravelly sand deposits).

Technical Publications:

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