

# Hurricane Deck Bridge

## Lake of the Ozarks, Missouri



Owner: Missouri DOT (MoDOT)

Designer: Parsons Transportation Group

Contractor: American Bridge Company

Years of Project: 2011—2013

Total Project Cost: \$32 million

Client Reference: Martin Furrer, P.E., S.E.  
(Parsons—312-930-5126)

Owner Reference: Randy Potts  
(MoDOT—573-526-0515 )



### Project Highlights:

The new Hurricane Deck Bridge spans the Osage arm of the Lake of the Ozarks on Route 5 in Missouri. The new structure replaced the previous bridge, built in the 1930's. Nine piers are each founded on groups of two drilled shafts tied together with a waterline strut. Seven of the piers were constructed in water as deep as 80ft. The drilled shafts included rock sockets into dolomite bedrock. CASE Foundation installed the drilled shafts using their reverse circulation drill equipment.

The abutments are supported on driven H-piles and one of the land-based piers is supported on a spread footing bearing on bedrock.

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