

NATIONAL STEEL BRIDGE ALLIANCE

2001 Prize Bridge Award

merit award: SPECIAL PURPOSE

Bricktown Canal South Pedestrian Bridge

Bricktown Canal, Oklahoma City, OK



The Bricktown Canal South Pedestrian Bridge has two main support tubes. They are 14" x 10" x 1/2" wall rectangular tube rolled the hard way to 39'-6 1/8" radius, and two pieces of tube 40' long were welded near the center of the arch to achieve each of the approximately 55' long arches. There are seven support hangers: 4 in. sq. by 3/8" wall tube welded to the main support tubes on each side of the bridge. The support hangers are bolted to W12x14 I-beams that support the concrete deck. The concrete deck is 13' wide by 50' long and 8" thick.



There is a 54" high steel handrail on each side of the deck. All of the steel structure and handrails are painted "Cedar Green." The concrete abutments and wing walls have a stone veneer.

The bridge crosses the canal near the south end of the project and can be seen from the eastbound lanes of I-40 as one drives through downtown Oklahoma City. It overlooks one of the two waterfalls on the canal, and looking northwest from the bridge is a beautiful view of the downtown skyline.

The walking trails, canal and landscaping combine to enhance the beauty of the bridge and the south end of the canal system. Tourist and locals agree that the South Pedestrian Bridge is the most attractive bridge on the canal system.

Owner

City of Oklahoma City, Oklahoma City, OK

Structural Engineer

Clowers Engineering Company,
Oklahoma City, OK

General Contractor

Wynn Construction, Oklahoma City, OK

Consultant

Zahl-Ford, Inc., Oklahoma City, OK

Software

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