

Buck O'Neil Bridge

Kansas City, MO

Project Description

The new NB and SB Buck O'Neil bridges, featuring steel girders nearly 13 feet deep and main spans of 455 feet, have replaced the original John Jordan "Buck" O'Neil Memorial Bridge—a triple arch bridge constructed in 1956. These bridges now facilitate traffic flow on US Highway 169 over the Missouri River, providing vital connections between downtown Kansas City and the communities situated north of the river.

Owner

Missouri DOT

Contractor

Massman-Clarkson JV

Designer

HNTB

Our Role

MBJ provided construction engineering services to Massman-Clarkson JV. This included steel girder analysis for the main spans and approach spans, erection procedures, and temporary shoring tower designs.

Total Contract Value

\$220 Million

Timeline

2021 - 2024

Construction Method and Specifications

The steel girders were erected using barge-mounted cranes. Temporary shoring towers were used to support the girders during erection.

