



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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South 1st Street Bridges over Nichols Branch

PROJECT LOCATION:
AUSTIN, TEXAS

PROJECT OWNER:
CITY OF AUSTIN

GENERAL CONTRACTOR:
DEAVER CONSTRUCTION

PROJECT COMPLETED:
2001

CONSTRUCTION COST:
\$900,000

PROJECT DESCRIPTION:



Pickett, Kelm & Associates, Inc. provided structural engineering design of this pair of TxDOT standard highway bridges on South First Street in Austin, Texas. This roadway section was the second phase of the South First Street Extension project.

The twin-span bridges are mirror images of each other, one for the northbound lanes and one for the southbound lanes. Each bridge is 224 feet long by 38 feet wide, with two 112 foot long spans. Mechanically stabilized earth walls were selected as retaining walls for the bridge approaches. AASHTO Type IV prestressed concrete beams span to the concrete abutments and center bent. Type T4 and C4 (steel) railings were used, and a pedestrian sidewalk was provided at each bridge.