



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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Bagdad Road Bridges

PROJECT LOCATION:
LEANDER, TEXAS

PROJECT OWNER:
CITY OF LEANDER

CIVIL ENGINEER:
JAY ENGINEERING

PROJECT COMPLETION:
2004

CONSTRUCTION COST:
\$400,000



PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design for two stream crossings along Bagdad Road in Leander, Texas. The bridges cross the South Fork of Brushy Creek and Mason Creek. The bridges have a deck width of 70 feet, and consist of two 45-foot spans, totaling 90 feet in length.

The superstructures consist of 20-inch deep prestressed concrete box beams with an asphalt overlay. The substructures consist of concrete abutments and interior bents supported on drilled shafts founded in limestone. A type T203 railing was selected. The bridges were designed to accommodate future sidewalks along both sides.



Box beams were selected to reduce the structural depth, and allow passage of the 100-year flood elevation with minimum impact to the existing approach roadway elevations.