



**Pickett, Kelm & Associates, Inc.**  
Consulting Structural Engineers

**PROJECT LOCATION:**  
ROUND ROCK, TEXAS

**PROJECT OWNER:**  
JADCO DEVELOPMENT,  
INC.

**CIVIL ENGINEER:**  
RANDALL JONES

**GENERAL  
CONTRACTOR:**  
CAPITAL EXCAVATION CO.

**COMPLETED:**  
2004

**CONSTRUCTION COST:**  
\$420,000



## Paradise Ridge Drive Bridge

### PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design for this two-lane vehicular stream crossing in the Sonoma subdivision in Round Rock, Texas. The bridge has a deck width of 42 feet and consists of a single 80-foot span. A 5-foot wide pedestrian sidewalk was provided on each side of the deck.

The approach roadways were originally designed with both horizontal and vertical curves. To reduce the bridge deck overhangs, the horizontal curve of the bridge was eliminated, and the vertical curve was adjusted to permit a straight segment at the bridge.

The superstructure consists of prestressed AASHTO Type C beams, with an 8-inch concrete slab. The substructure consists of concrete abutments supported on drilled shaft foundations. The drilled shaft spacing was adjusted to accommodate an existing below grade 8-inch wastewater line. Concrete riprap was provided for slope protection at each abutment, and modified type C203 railings were used.

