



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

0872.doc

**PROJECT LOCATION:**  
ROUND ROCK, TEXAS

**PROJECT OWNER:**  
EASTERN DEVELOPMENT

**CIVIL ENGINEER:**  
SD KALLMAN

**GENERAL CONTRACTOR:**  
CHASCO

**PROJECT COMPLETED:**  
2002

**CONSTRUCTION COST:**  
\$340,000



## Chandler Creek Bridge

### PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural engineering design for this two-lane vehicular stream crossing at Arterial "A" in the Legends Village Subdivision in Round Rock, Texas. The bridge was designed to be widened in the future to carry a total of 2-northbound and 2-southbound lanes, a turning lane and a raised median.

The bridge consists of 3- 50 foot long prestressed concrete I-beam spans with a total length of 150 feet. The total deck width is 34.5 feet, with a 5.5-foot wide pedestrian sidewalk on one side. The



abutments and bents are skewed 68° to the roadway. AASHTO Type B prestressed concrete beams were used for all spans. A TxDOT T201 railing was selected as the traffic barrier, and a C411 railing was used adjacent to the sidewalk.

Vertical MSE retaining walls with native stone veneer were used in lieu of sloped concrete riprap at the abutments to minimize the encroachment on the flood plain. Precast panels were used at the approaches.