



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

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## Discovery Boulevard Bridge

**PROJECT LOCATION:**  
CEDAR PARK, TEXAS

**PROJECT OWNER:**  
CITY OF CEDAR PARK

**CIVIL ENGINEER:**  
BOSSE COMPTON TURNER  
GRAY-JANSING

**GENERAL CONTRACTOR:**  
JC EVANS

**PROJECT COMPLETION:**  
2004

**CONSTRUCTION COST:**  
\$2.2 MILLION

### PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design of a four-span reinforced concrete arch bridge in Cedar Park, Texas. The four-lane bridge has a deck width of 70 feet, and includes a 2-foot wide center median, two 25-foot roadways, and two 8-foot wide pedestrian sidewalks. Pedestrian walkways were also provided under the first and fourth bridge arches. The arch structure totals 133 feet in length, and the total structure, including the approach retaining walls, railings and sidewalk/ moment slab, varies in length up to 871 feet.

Precast concrete arches are supported on cast-in-place concrete grade beams. Mechanically-Stabilized Earth (MSE) walls retain the fill on top of the arches and at the bridge approach roadways. A C411 railing with decorative light fixtures was used.

