

**COVELL ROAD BRIDGE OVER CHISHOLM CREEK EMERGENCY REPAIR  
CITY OF EDMOND  
EDMOND, OKLAHOMA**

**CONSTRUCTION COST: \$400,000  
COMPLETION: 2010**



The City of Edmond called upon Poe & Associates for emergency repairs to the Covell Road Bridge over Chisholm Creek, which was damaged due to high water from a storm. The existing (damaged) bridge was approximately 70 feet long by 20 feet wide with four single Tee Beams and an approximate 4" asphalt overlay. As a result of the storm, the asphalt surface was washed off the bridge in several places and shifted with buckling to the roadway approaches. The guardrail was torn away, bent over, and detached in several locations.

Poe's scope of repairs included removing and replacing the existing substructure (deck, beams, and bearings) with a steel beam section, a new 8" concrete deck, new bearings, and a compliant traffic rail. A minor amount of approach paving was also included to meet the new deck surface; this enabled a 24 foot clear roadway. Poe's services included design survey and plans, specifications, and contract documents, as well as bidding assistance to the City of Edmond. Poe's construction phase services included a pre-work conference, responding to contractor inquiries, shop drawing review, and construction observation.

Project Team: James Benson, P.E. (Principal-in-Charge)  
Tim Purkeypile, P.E., C.F.M. (Bridge Project Manager)  
Michael Lettner, P.E. (Bridge Engineer)

Reference: Mr. Steve Manek, City Engineer  
City of Edmond  
10 S. Littler  
Edmond, OK 73034  
Ph: 405.359.4770  
Email: [steve.manek@edmondok.com](mailto:steve.manek@edmondok.com)