

Ridge Road Bridge over East Emma Creek
Kansas Department of Transportation
Harvey County, Kansas
Poe & Associates, Inc.

Construction Cost: \$590,000

Completion: 2008

Description: Harvey County hired Poe & Associates, Inc. to replace a 1960s era pre-stressed channel span bridge with a standard KDOT haunched slab span bridge. Poe left the existing south abutment wall in place and utilized it as bank protection. Using the existing south abutment wall in this way saved the project tens of thousands of dollars and kept the contractor from time-consuming channel bottom work. Poe & Associates coordinated all the utility relocations and acted as the County's agent for right-of-way and easement acquisitions.



The bridge superstructure was design to AASHTO Load and Resistance Factor Design Specifications. The 59.5 square mile drainage area was analyzed by several methods and a HEC-RAS model was developed for bridge sizing. Poe & Associates submitted documentation for permitting by the Army Corps of Engineers.

Project Team: Paul Ferguson, PE (Project Manager)

Reference: Jeff Horton, PE, Bridge Engineer
Kansas Department of Transportation
Dwight D. Eisenhower State Office Building
700 S.W. Harrison Street
Topeka, KS 66603
Ph: 785.296.4253

