

Horse Creek Bridge (X0186) Information:

Replacement of the Route B Bridge over Horse Creek in Vernon County, Missouri will have an "adverse effect" on the existing bridge, which is eligible for the National Register of Historic Places (NRHP).

Built in 1947-48, Bridge X0186 consists of a steel, rigid-connected, ten-panel, skewed Warren pony truss with a polygonal top chord; and two steel girder approach spans. The main span measures 110 feet, and the total length is 200 feet. It is supported on steel-reinforced concrete abutments, wingwalls, and dumbbell piers. The roadway width is 22 feet curb-to-curb. It was designed by the Missouri State Highway Department (MSHD), and constructed by M.E. Gillioz of Monett, Missouri. The erection cost was \$47,080. The MSHD used the riveted Warren configuration for its pony trusses from the time the agency developed its first bridge standards in the late 1910s. In the early 1930s the department designed Warrens with polygonal top chords, a variation that was more materially conservant for longer spans. About fifteen were built in the 1930s and 1940s. X0186 is one of only eight remaining bridges of this type built in the state prior to 1951, and one of three that are also skewed. It is eligible for the National Register of Historic Places under NRHP Criterion C in the area of Engineering.



The “adverse effect” to the historic bridge will require a two-party MOA for mitigation in the form of archival photographs and historic documentation to be submitted to the State Historic Preservation Office (SHPO) for curation. The bridge also will be advertised for adaptive reuse at a new location, and the Federal Highway Administration (FHWA) will be asked to approve a Programmatic Section 4(f) Evaluation for the project. Additional mitigation measures will be discussed in consultation with the SHPO and FHWA.

Contacts:

Jerry P. Davis at 417-621-6311 or jerry.davis@modot.mo.gov for project information

Randy Dawdy at 573-526-3591 or randall.dawdy@modot.mo.gov for historic bridge information