

HISTORIC AMERICAN ENGINEERING RECORD

CYPRESS CREEK BRIDGE

HAER NO. AR-33

LOCATION: Spanning Cypress Creek on County Road No. 64 approximately one-half mile north of the town of Perry, Perry County, Arkansas.

UTM: 15/3878830/518460

QUAD: Perryville

DATE OF CONSTRUCTION: ca. 1915

STYLE: Single span, through Pratt steel truss bridge (skewed).

BUILDER: The builder is unknown. It is assumed that Perry County officials purchased the bridge from a unidentified company in the early twentieth century.

PRESENT CONDITION AND USE: Fair condition, in vehicular use.

ADDITIONAL INFORMATION: AHTD Bridge No. 15748, AHPP Resource No. PE0053.

SIGNIFICANCE: The Cypress Bridge is a rare Arkansas example of a skewed through Pratt steel bridge. It is an excellent example of its type and reflects the necessary design changes required to construct a steel bridge in this kind of demanding topographic setting.

HISTORIAN: Michael Swanda
Survey Coordinator
Arkansas Historic Preservation Program

DATE: August 26, 1988.

STRUCTURAL SYSTEMS

The Cypress Creek Bridge uses Pratt steel trusses. The top chord, verticals, diagonals, and bottom chord are built-up members constructed from channels, angles, continuous plates, batten plates, and single lacing bars. These members are assembled with rivets. Portals bracing, lateral diagonals, struts, stringers, and floor beams are constructed from I-beams, angles, round rod, and are attached with bolts or rivets to plates. This bridge is not pin connected. The west truss is skewed to the north one panel length. The guardrail is constructed with angles. The road deck is covered with concrete. This bridge is supported by two reinforced concrete abutments and there are no approach spans.

DIMENSIONS

The Cypress Creek Bridge is 80 feet long.

SOURCES OF INFORMATION

Bridge Division Files, Arkansas Highway and Transportation Department, Little Rock.

Historic Bridge File, Arkansas Historic Preservation Program, Little Rock.

McClurkan, Burney B. Arkansas' Historic Bridge Inventory, Evaluation Procedures 1987 and Preservation Plan. Manuscript of file, Environmental Division Arkansas Highway and Transportation Department, Little Rock.