

HISTORIC AMERICAN ENGINEERING RECORD

LITTLE MISSOURI RIVER BRIDGE

HAER NO. AR-44

LOCATION: Spanning the Little Missouri River on Clark County Road 179 near the town of Old Rome, Clark County, Arkansas.

UTM: 15/3751260/471380

Quad: Okolona South

DATE OF CONSTRUCTION: ca. 1910

PRESENT CONDITION AND USE: This bridge is in fair condition and is being used for vehicular traffic.

STYLE: Single span, through Camelback steel truss.

BUILDER: Unknown. It is assumed that this bridge was constructed under the authority of Clark County officials by an unidentified bridge company.

ADDITIONAL INFORMATION: AHTD Bridge No. 20103, AHPP Resource No. CL0742.

SIGNIFICANCE: The Little Missouri River Bridge is the last remaining Camelback through truss steel bridge in Arkansas. A recent inventory of the historic bridges in the state conducted by the Arkansas Highway and Transportation Department showed that out of the 241 steel truss bridges remaining in use today, this bridge is the last of its type.

HISTORIAN: Michael Swanda
Survey Coordinator
Arkansas Historic Preservation Program
August 26, 1988.

STRUCTURAL SYSTEMS

The Little Missouri River Bridge consists of one main span Camelback through truss, one Pratt through truss approach, and two steel I-beam approach spans, one on each end. The through steel truss spans are pin connected. The top chord and the majority of the verticals are constructed from built-up members made from channels, continuous plates and batten plates, riveted together. The bottom chord and some diagonals are rectangular bars. The majority of the diagonals, and laterals, both top and bottom, are round rod. Portal bracing is made from angle iron. Floor girders and stringers are I-beams. The piers are cylindrical steel rings riveted together and filled with concrete. Both trusses have a guardrail made from angles. The end approach spans are steel I-beam constructed. The roadway is covered with timber planking.

DIMENSIONS

This bridge is 313 feet long with a main span length of 177 feet.

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.