

what **Historical Services Unit** does

- Research and Write Historic Reports
- Determine National Register Eligibility
- Determine Historic Boundaries
- Determine Effects to Historic Properties
- Mitigate Adverse Effects to Historic Properties
- Complete Historic Documentations for Specific Historic Properties
- Historic Turnpike Research and Analysis
- Coordinate with Federal, State, and Local Resource Agencies
- Conduct Public Workshops for Specific Bridge and Highway Projects

contact us

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Madaline
bridge
marshall county

Adaline Bridge is a simple span pin connected Whipple thru truss. It is supported by cut stone abutments and has a timber deck. The bridge was built in 1892 by the Wrought Iron Bridge Company of Canton, Ohio. The bridge is located on County Route 74 and crosses Fish Creek.

Adaline Bridge History

The Wrought Iron Bridge Company was a prolific builder of iron truss bridges in the late 1800s. In 1900 Wrought Iron Bridge Company was consolidated by JP Morgan with 27 other firms to form the American Bridge Company. Most of the bridges were short spans used for highway use. The Adaline Bridge was a common design type for the company. Although the bridge has been repaired, it has retained its integrity as a good example of a pin connected Whipple thru truss. The Whipple Truss design was first used in 1841 and was the first metal truss based on scientific principles. It was the first type of metal truss that was widely used. The bridge was surveyed by K.M. Jourdan in 1993 and was rated as eligible for the National Register. The Adaline Bridge is eligible for the National Register under Criterion C for its association with a significant bridge builder and design.

Location: County Route 74, spanning Fish Creek
Type: Simple Span Pin Connected Whipple Thru Truss
Length: 170 feet (truss); 39 feet (deck girder)
Year constructed: 1892
Contractor: Wrought Iron Bridge Co. of Canton, Ohio