

Minnesota Bridge Inventory 1955-1970

Bridge Number: SHPO Inventory Number: Bridge Name:

Location Data:

Mn/DOT District: County: Bridge Owner:

Feature Intersected: Facility Carried: Location:

USGS Quadrangle: UTM_Zone: UTM_Easting: UTM_Northing:

Township: Range: Section: QTR: QTR-QTR: QTR-QTR-QTR:

Structural Data:

Bridge Type: Mn/DOT Main Span Type Code:

Maximum Span Length (feet): Number of Main Spans: Structure Length (feet):

Year Built: Skew (degrees): Number of Approach Spans:

Design and Construction Data:

Engineering Firm: Engineer:

Fabricator: Contractor:

Architectural Treatments:

Alterations and Integrity:

Additional Bridge Details:

Bridge Plaque:

1. Minnesota Highway Dept Bridge No 9103 1960
2. Federal Aid Project FAP-055-1-3 Minnesota 1960

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Bridge Type: Year Built:

National Register of Historic Places Evaluation:

Statement of Significance: Bridge 9103 is significant for demonstrating high artistic value. The presence of artistic elements such as an ornamental rail and curved form illustrate the importance of aesthetics in the design of the bridge. Additionally, site considerations such as the proximity to downtown Red Wing and approach to the Eisenhower Bridge were a factor during the design of the bridge demonstrating the importance of showing harmony with the bridge's surroundings.

Bridge 9103 is significant for its design/construction. This continuous concrete slab structure is a horizontally curved bridge with an exceptional structure length of 200 feet. The horizontal curve of 14 degrees is the greatest degree of curve for any extant bridge in Minnesota from the survey period and was a design solution used to meet road alignment requirements. Additionally, it is the only curved continuous concrete slab bridge in the state from the subject period. Bridge 9103 is also exceptionally long when compared to other continuous concrete slabs illustrating a solution to a particular site challenge. The combination of these engineering features in Bridge 9103 demonstrates the complex design issues the engineers faced to meet the site challenges and road requirements for a bridge at this location.

This bridge is individually eligible for listing in the National Register of Historic Places under Criterion C in the area of Engineering at the state level of significance.

This bridge was also evaluated for its association with a potentially important trunk highway route during the subject period – TH 61 from St. Paul to the Iowa border. Further research and evaluation determined that this portion of TH 61 is not eligible under Criteria A or C for MHD's efforts to upgrade roads to expressway standards in the 1955-1970 period.

National Register Property Category: National Register Property Subcategory:
Historic Context: Level of Significance:
National Register Determination National Register Determination Date:
Surveyor: Date Surveyed:

Sources: "Bridge 9103" files. Available at Minnesota Department of Transportation, St. Paul, Minn.
Mead & Hunt, Inc. "Minnesota Bridges: 1956-1970: Politics, Policies, Technology and Design historic context" in *Minnesota Bridges, 1955-1970*. Prepared for Minnesota Department of Transportation. 2011.
----- *Evaluation Report and Historic Context, Minnesota Bridges, 1955-1970 (including Trunk Highway Evaluations)*. Prepared for the Minnesota Department of Transportation, July 2013 (final).
Minnesota Department of Transportation. *Bridge Inventory Database*. June 2009.
Minnesota Department of Transportation. *Bridge Inspection File Records*. Located at Mn/DOT Bridge Office.
Parsons Brinckerhoff and Engineering and Industrial Heritage. *A Context for Common Historic Bridge Types, NCHRP Project 25-25, Task 15*. [Washington, D.C.]: National Cooperative Highway Research Program, Transportation Research Board, October 2005.

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Photographs:

