

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:

This bridge is considered the first curved steel girder bridge in Minnesota. Chain link fencing added to inside of rail; sidewalk is located only on the north side of the bridge; deck overlay, sidewalk repair, curb repair, reconstruct expansion joints in 1980; bridge painted in 2000.

Bridge Plaque:

Minnesota Bridge 27100 FAU-086-1-31 1967

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National Register of Historic Places Evaluation:

Statement of Significance: Bridge 27100 is significant as the earliest example of a horizontally curved steel girder in Minnesota. Horizontally curving steel was a design innovation developed in 1965 to accommodate curved roadway alignments, eliminating the need for numerous substructure units and simplifying form work. Built in 1967, Bridge 27100 demonstrates a significant advancement in construction materials and engineering design.

The bridge does not exhibit physical alterations and it retains its historic integrity of location, design, materials, workmanship, setting, feeling, and association.

This bridge is eligible for listing in the National Register of Historic Places under Criterion C in the area of Engineering at the state level of significance. However, this bridge is recommended not eligible for the National Register under Criterion A as it does not have a direct and significant association with an important historic transportation system, program, or policy identified through contextual research.

National Register Property Category:

National Register Property Subcategory:

Historic Context:

Level of Significance:

National Register Determination:

National Register Determination Date:

Surveyor:

Date Surveyed:

Sources: Romano, Marty. Interview by Mead & Hunt, Minneapolis, Minnesota. 18 September 2009.
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.
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:

