

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:

Other (describe):

Decorative rail/parapet:

Texturizing of concrete on abutment and wing walls match rail above; decorative period railing extends below street level and matches texturized concrete along the trail; decorative lamp posts may be original.

Alterations and Integrity:

None:

Additional Bridge Details:

Cantilevered sidewalks. This bridge is considered noncontributing to the National Register-eligible Minnehaha Parkway Historic District and Grand Rounds Historic District due to its age; However the period of significance should be reevaluated to consider inclusion of this bridge when it is 50 years old.

Bridge Plaque:

City of Minneapolis Bridge 27547 1970

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National Register of Historic Places Evaluation:

Statement of Significance: Built in 1970, Bridge 27547 is significant as an example of the earliest period of use for prestressed, post-tensioned concrete slab design and construction in Minnesota. The post-tensioned slab is an innovation in the evolution of prestressed concrete bridge design and construction, and it did not develop nationally until the 1970s. Although prestressed concrete continued to be a prominent bridge building material, the post-tensioned slab design was, and continues to be, a variation used only in selected circumstances that require its ability to provide the thinnest slab for a specified length.

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: 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:

