

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:

Innovative methods used during construction included developing an overhead truss system to pour reinforced concrete frame of the tunnel and freezing surrounding soil to provide greater stability for historic buildings during construction work. Repairs were made in 2003.

Bridge Plaque:

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Bridge Type: Year Built:

National Register of Historic Places Evaluation:

Statement of Significance: Bridge 27832 is significant as an example of local impact of and response to highway development during the survey period. Design and construction of the highway systems in Minneapolis and Saint Paul had the potential to endanger historic and cultural resources. In response to concerns about significant buildings and cultural resources, Bridge 27832 was designed as a tunnel to allow Interstate 94 to pass beneath the properties and local streets.

Bridge 27832 is significant as an example of a concrete tunnel, an uncommon bridge type during the 1955-1970 period. Concrete tunnels were developed in the 1930s; however, they were uncommon in Minnesota during the study period.

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 individually eligible for listing in the National Register of Historic Places under Criterion A in the areas of Social History, Conservation, and Community Planning and Development at the state level of significance. This bridge is also 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.

National Register Property Category:

National Register Property Subcategory:

Historic Context:

Level of Significance:

National Register Determination:

National Register Determination Date:

Surveyor:

Date Surveyed:

Sources: "Tunnel uncorks highway bottlenecks." *Engineering News Record*, January 29, 1970. Romano, Amardo and Frank Likens. "Good-bye, Bottleneck!" *Construction Bulletin*, May 5, 1966. Romano, Amardo. "The Hawthorne Interchange and Highway on Piling." *Construction Bulletin*, October 3, 1968.
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.
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Bridge Number: 27832	SHPO Inventory Number: HE-MPC-17018	Bridge Name: LOWRY HILL TUNNEL
Feature Intersected: I 94	Facility Carried: Lowry Hill Tunnel	Location: 0.4 MI S OF JCT TH 394
Bridge Type: Concrete tunnel	Year Built: 1969	

Photographs:

