

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
 Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

| | | | | | |
|---|--|--|--|---|-------------------------|
| Minnesota [27] | Hennepin County [053] | Minneapolis [43000] | 0.1 MI N OF JCT TH 55 | 44-54-55 = 44.915278 | 093-12-44 = - 93.212222 |
| 4559 | Highway agency district 5 | Owner Local Park, Forest, or Reservation Agen | Maintenance responsibility | Local Park, Forest, or Reservation Agency | |
| Route 1608 | MINNEHAHA AVE S | Toll On free road [3] | Features intersected | MINNEHAHA CREEK | |
| Design - main Masonry [8] | Design - approach | Kilometerpoint 0 km = 0.0 mi | Year built 1890 | Year reconstructed #Num! | |
| 1 | Arch - Deck [11] | 0 | Other [00] | Skew angle 0 | Structure Flared |
| | | Historical significance Bridge is not eligible for the NRHP. [5] | | | |
| Total length 10.7 m = 35.1 ft | Length of maximum span 7.6 m = 24.9 ft | Deck width, out-to-out 23.2 m = 76.1 ft | Bridge roadway width, curb-to-curb 6 m = 19.7 ft | | |
| Inventory Route, Total Horizontal Clearance 6 m = 19.7 ft | Curb or sidewalk width - left 1.8 m = 5.9 ft | Curb or sidewalk width - right 3.7 m = 12.1 ft | | | |
| Deck structure type | Not applicable [N] | | | | |
| Type of wearing surface | Bituminous [6] | | | | |
| Deck protection | Not applicable (applies only to structures with no deck) [N] | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|---------------------------------------|--------------------------------------|--------------------------|------------------|-----------------------------|
| Bypass, detour length 0.2 km = 0.1 mi | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 8.2 metric ton = 9.0 tons |
| | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating | 16.3 metric ton = 17.9 tons |
| Bridge posting | | | Design Load | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|------|------|------|
| Average Daily Traffic | 4474 | Average daily truck traffi | | % | Year | 2007 | Future average daily traffic | 4474 | Year | 2029 |
| Road classification | Local (Urban) [19] | | Lanes on structure | 1 | | Approach roadway width | 11.6 m = 38.1 ft | | | |
| Type of service on bridge | Highway-pedestrian [5] | | Direction of traffic | 1 - way traffic [1] | | Bridge median | | | | |
| Parallel structure designation | No parallel structure exists. [N] | | | | | | | | | |
| Type of service under bridge | Waterway [5] | | Lanes under structure | 0 | | Navigation control | | | | |
| Navigation vertical clearanc | 0 = N/A | | Navigation horizontal clearance | 0 = N/A | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | | | Minimum vertical clearance over bridge roadway | 30.48 m = 100.0 ft | | | | | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | | | | | | |
| Minimum lateral underclearance on right | 0 = N/A | | | | | Minimum lateral underclearance on left | 0 = N/A | | | |
| Minimum Vertical Underclearance | 0 = N/A | | Minimum vertical underclearance reference feature | Feature not a highway or railroad [N] | | | | | | |
| Appraisal ratings - underclearances | N/A [N] | | | | | | | | | |

Repair and Replacement Plans

| | | | | |
|---|-----------------------------------|---------------------------------|---|--------|
| Type of work to be performed | Work done by | Work to be done by contract [1] | | |
| Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31] | Bridge improvement cost | 307000 | Roadway improvement cost | 7000 |
| | Length of structure improvement | 15 m = 49.2 ft | Total project cost | 112000 |
| | Year of improvement cost estimate | 2011 | | |
| | Border bridge - state | | Border bridge - percent responsibility of other state | |
| | Border bridge - structure number | | | |

Inspection and Sufficiency

| | | | |
|---|--|---------------------------------------|--|
| Structure status | Posted for load [P] | Appraisal ratings - structural | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - superstructure | Poor [4] | Appraisal ratings - roadway alignment | Equal to present desirable criteria [8] |
| Condition ratings - substructure | Poor [4] | Appraisal ratings - deck geometry | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck | Not Applicable [N] | | |
| Scour | Bridge foundations determined to be stable for assessed or calculated scour condition. [5] | | |
| Channel and channel protection | Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5] | | |
| Appraisal ratings - water adequacy | Basically intolerable requiring high priority of corrective action [3] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | | Sufficiency rating | 25.3 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | | | |
| Traffic safety features - transitions | Not applicable or a safety feature is not required. [N] | | |
| Traffic safety features - approach guardrail | Not applicable or a safety feature is not required. [N] | | |
| Traffic safety features - approach guardrail ends | Not applicable or a safety feature is not required. [N] | | |
| Inspection date | July 2011 [0711] | Designated inspection frequency | 12 Months |
| Underwater inspection | Unknown [N00] | Underwater inspection date | |
| Fracture critical inspection | Unknown [N00] | Fracture critical inspection date | |
| Other special inspection | Not needed [N] | Other special inspection date | |