

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

Pennsylvania [42] Allegheny County [003] Pittsburgh [61000] 301064 MCARDLE RDWY #1 40-25-18 = 40.421667 079-59-30 = - 79.991667
 027301000030640 Highway agency district 11 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]
 Route 0 MCARDLE RDWY Toll On free road [3] Features intersected NORFOLK SOUTHERN R/R
 Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 0 km = 0.0 mi
 1 Truss - Thru [10] 11 Stringer/Multi-beam or girder [02] Year built 1933 Year reconstructed 1960
 Skew angle 0 Structure Flared
 Historical significance Bridge is possibly eligible for the NRHP. [3]
 Total length 167 m = 547.9 ft Length of maximum span 65.5 m = 214.9 ft Deck width, out-to-out 11.2 m = 36.7 ft Bridge roadway width, curb-to-curb 8.2 m = 26.9 ft
 Inventory Route, Total Horizontal Clearance 8.2 m = 26.9 ft Curb or sidewalk width - left 1.7 m = 5.6 ft Curb or sidewalk width - right 0.2 m = 0.7 ft
 Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Bituminous [6]
 Deck protection
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 22.7 metric ton = 25.0 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 37.2 metric ton = 40.9 tons
 Bridge posting 10.0 - 19.9 % below [3] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

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 minimum criteria [6]

Condition ratings - substructure

Critical [2]

Appraisal ratings -
deck geometry

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - deck

Serious [3]

Scour

Bridge not over waterway. [N]

Channel and channel protection

Not applicable. [N]

Appraisal ratings - water adequacy

N/A [N]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

20.3

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

June 2009 [0609]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date