

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] SMITHFIELD ST.BRIDGE 40-26-00 = 40.433333 080-00-12 = - 80.003333
 023027002000000 Highway agency district 11 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]
 Route 0 North [1] SMITHFIELD ST Toll On free road [3] Features intersected MONONGAHELA RIVER,CSX RR
 Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 15.6 km = 9.7 mi
 2 Truss - Thru [10] 5 Girder and floorbeam system [03] Year built 1883 Year reconstructed 1994
 Skew angle 0 Structure Flared
 Historical significance Bridge is on the NRHP. [1]
 Total length 358.7 m = 1176.9 ft Length of maximum span 109.7 m = 359.9 ft Deck width, out-to-out 14.1 m = 46.3 ft Bridge roadway width, curb-to-curb 12.8 m = 42.0 ft
 Inventory Route, Total Horizontal Clearance 7.5 m = 24.6 ft Curb or sidewalk width - left 3.3 m = 10.8 ft Curb or sidewalk width - right 3.2 m = 10.5 ft
 Deck structure type Closed Grating [4]
 Type of wearing surface Epoxy Overlay [5]
 Deck protection
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.6 km = 0.4 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 20 metric ton = 22.0 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 26.3 metric ton = 28.9 tons
 Bridge posting 30.0 - 39.9 % below [1] 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

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

Condition ratings - superstructure

Fair [5]

Appraisal ratings -
roadway alignment

Equal to present desirable criteria [8]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - deck

Satisfactory [6]

Scour

Countermeasures have been installed to mitigate an existing problem with scour. [7]

Channel and channel protection

Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy

Superior to present desirable criteria [9]

Status evaluation

Functionally obsolete [2]

Pier or abutment protection

Sufficiency rating

49.9

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

July 2009 [0709]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date