HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Crawford County [039]	Meadville [48360]	MEAD AVENUE,MEADVILLE	41-38-16 = 41.637778	080-09-46 = -80.162778

207301882030000	Highway agency district	1	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	7301		MEAD AVENUE	Toll	On free road [3]	Features intersected	OVER FRENCH CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
2	Truss - Thru [10]	0	Other [00]	Year built	1871
				Year reconstructed	1937
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]

Total length	80.5 m = 264.1 ft	Length of maximum span	39.3 m = 128.9 ft	Deck width, out-to-out	6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb	5.9 m = 19.4 ft

Inventory Route, Total Horizontal Clearance	5.9 m = 19.4 ft	Curb or sidewalk width - left	1.8 m = 5.9 ft	Curb or sidewalk width - right	0 m = 0.0 ft

Deck structure type	Open Grating [3]
Type of wearing surface	
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	5.4 metric ton = 5.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	8.2 metric ton = 9.0 tons
	Bridge posting		Design Load	

Functional Details

Average Daily Traffic: 10000
Average daily truck traffi: %
Year: 2006
Future average daily traffic: 12500
Year: 2026

Road classification: Local (Urban) [19]
Lanes on structure: 2
Approach roadway width: 9.8 m = 32.2 ft

Type of service on bridge: Highway-pedestrian [5]
Direction of traffic: 2 - way traffic [2]
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: 0 m = 0.0 ft
Minimum vertical clearance over bridge roadway: 2 m = 6.6 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:

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by: Work to be done by contract [1]

Bridge improvement cost: 0
Roadway improvement cost: 0

Length of structure improvement: 80 m = 262.5 ft
Total project cost: 2000

Year of improvement cost estimate: 2003

Border bridge - state:
Border bridge - percent responsibility of other state:

Border bridge - structure number:

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructur	Critical [2]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	
Condition ratings - deck	Poor [4]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	0

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	November 2008 [1108]	Designated inspection frequency	24	Months

Underwater inspection	Every two years [Y24]	Underwater inspection date	November 2008 [1108]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	November 2008 [1108]