HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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

Ohio [39]	Mahoning County [099]	Youngstown [88000]	Fifth and Federal	41-06-07.79 = 41.102164	080-39-22.65 = -80.656292

5058082	Highway agency district:	4	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route	#Num!		SPRING COMMON AVE	Toll	On free road [3]	Features intersected	MAHONING R PCRR FRONT ST

Design - main	Steel [3]	Design - approach		Kilometerpoint	461.8 km = 286.3 mi		
1	Arch - Thru [12]	2	Other [00]	Year built	1949	Year reconstructed	2008
				Skew angle	2	Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]		

Total length	131.4 m = 431.1 ft	Length of maximum span	82 m = 269.0 ft	Deck width, out-to-out	25.8 m = 84.6 ft	Bridge roadway width, curb-to-curb	25 m = 82.0 ft
Inventory Route, Total Horizontal Clearance	11.6 m = 38.1 ft	Curb or sidewalk width - left	2.3 m = 7.5 ft	Curb or sidewalk width - right	2.3 m = 7.5 ft		

Deck structure type	Closed Grating [4]
Type of wearing surface	Latex Concrete or similar additive [3]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating	24.6 metric ton = 27.1 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating	40.8 metric ton = 44.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	8624	Average daily truck traffi	10 %	Year	2015	Future average daily traffic	11970	Year	2040

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	32.3 m = 106.0 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	Highway-waterway-railroad [8	Lanes under structure	4	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	5.03 m = 16.5 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	0.6 m = 2.0 ft	Minimum lateral underclearance on left	0 = N/A		
Minimum Vertical Underclearance	4.22 m = 13.8 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]		
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]				

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	5700000	Roadway improvement cost	100000
Length of structure improvement	198.1 m = 650.0 ft	Total project cost	5800000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Superior to present desirable criteria [9]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	77.4

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
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	September 2018 [0918]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2017 [0517]
Other special inspection	Not needed [N]	Other special inspection date	