HistoricBridges.org - National Bridge Inventory Data Sheet

1992 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

West Virginia [54]	Ohio County [069]	Wheeling [86452]	0.39 MI WEST JCT I-70	40-04-30 = 40.075000	080-44-18 = -80.738333

00000000035A031	Highway agency district	6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route			US 40	Toll	On free road [3]	Features intersected	OHIO RIVER BACK CHANNEL

Design - main		Design - approach	Steel continuous [4]	Kilometerpoint			
1	Other [00]	4	Truss - Thru [10]	Year built	1893	Year reconstructed	1987
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]		

Total length	207.3 m = 680.2 ft	Length of maximum span	64.9 m = 212.9 ft	Deck width, out-to-out	6.7 m = 22.0 ft	Bridge roadway width, curb-to-curb	6.5 m = 21.3 ft
Inventory Route, Total Horizontal Clearance	6.6 m = 21.7 ft	Curb or sidewalk width - left	1.8 m = 5.9 ft	Curb or sidewalk width - right	1.8 m = 5.9 ft		

Deck structure type	Steel plate (includes orthotropic) [5]
Type of wearing surface	Other [9]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	0 metric ton = 0.0 tons	
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	0 metric ton = 0.0 tons	
	Bridge posting	00.1 - 09.9 % below [4]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	13000	Average daily truck traffi	10 %	Year	1987	Future average daily traffic	20280
Year	2007						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	14 m = 45.9 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		Minimum vertical clearance over bridge roadway	3.35 m = 11.0 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

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	2313000	Roadway improvement cost	1341000
Length of structure improvement	217.6 m = 713.9 ft	Total project cost	3654000
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 - superstructur	Good [7]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		

Scour	Scour calculation/evaluation has not been made. [6]
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	
Pier or abutment protection		Sufficiency rating	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	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	April 1990 [0490]	Designated inspection frequency	6	Months

Underwater inspection	Unknown [Y48]	Underwater inspection date	June 1987 [0687]
Fracture critical inspection	Unknown [Y06]	Fracture critical inspection date	October 1989 [1089]
Other special inspection	Unknown [N00]	Other special inspection date	