HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Mercer County [085]	West Middlesex [83496]	WEST MIDDLESEX BOROUGH	41-10-19 = 41.171944	080-27-38 = -80.460556

430318006012010	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 318		SR 318,W.MDLSX-MRC	Toll: On free road [3]	Features intersected: OVER CITY ST/R R/RIVER	

Design - main: 1	Steel [3]	Truss - Deck [09]	Design - approach: 9	Steel [3]	Stringer/Multi-beam or girder [02]

Kilometerpoint: 462.5 km = 286.8 mi
Year built: 1941 Year reconstructed: 1982
Skew angle: 0 Structure Flared:
Historical significance: Historical significance is not determinable at this time. [4]

Total length	218.8 m = 717.9 ft	Length of maximum span	61.6 m = 202.1 ft	Deck width, out-to-out	10.1 m = 33.1 ft	Bridge roadway width, curb-to-curb	8 m = 26.2 ft
Inventory Route, Total Horizontal Clearance	8 m = 26.2 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	1.2 m = 3.9 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 2.4 km = 1.5 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	25.4 metric ton = 27.9 tons	
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	38.1 metric ton = 41.9 tons	
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	4868	Average daily truck traffi	20 %	Year	2009	Future average daily traffic	7601	Year	2026

Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	6.4 m = 21.0 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	2	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	10 m = 32.8 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	99.9 = Unlimited	Minimum lateral underclearance on left	0 = N/A		
Minimum Vertical Underclearance	3 m = 9.8 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]		
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]				

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	0 m = 0.0 ft	Total project cost	1000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	29

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	Inpected feature meets currently acceptable standards. [1]

Inspection date	October 2007 [1007]	Designated inspection frequency	10	Months

Underwater inspection	Every two years [Y24]	Underwater inspection date	August 2008 [0808]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2008 [0808]
Other special inspection	Every year [Y12]	Other special inspection date	August 2008 [0808]