HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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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

Wisconsin [55]	Door County [029]	Sturgeon Bay [77875]	1.0M N JCT STH 42	00-00-00 = 0.000000	000-00-00 = -0.000000

B15010000010000	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0	North [1]	LRD MICHIGAN STREE	Toll: On free road [3]	Features intersected: STURGEON BAY	
Design - main: Concrete [1]	Design - approach:	Kilometerpoint: 0 km = 0.0 mi			
5	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1930	Year reconstructed: 1979
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 45.7 m = 149.9 ft	Length of maximum span: 9.1 m = 29.9 ft	Deck width, out-to-out: 10.7 m = 35.1 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft				
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0.9 m = 3.0 ft	Curb or sidewalk width - right: 0.9 m = 3.0 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]							
Deck protection:							
Type of membrane/wearing surface: Unknown [8]							

Weight Limits

Bypass, detour length: 0.4 km = 0.2 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 45.4 metric ton = 49.9 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 69.7 metric ton = 76.7 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	15300	Average daily truck traffi	0 %	Year	2008	Future average daily traffic	15246
Year	2027						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	13.4 m = 44.0 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	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	99.99 m = 328.1 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 owner's forces [2]		
Bridge improvement cost	801000	Roadway improvement cost	80000
Length of structure improvement	50.3 m = 165.0 ft	Total project cost	1202000
Year of improvement cost estimate	2010		
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	Better than present minimum criteria [7]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	75.3
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 2008 [0408]	Designated inspection frequency	12	Months	
Underwater inspection	Unknown [Y60]			Underwater inspection date	August 2010 [0810]
Fracture critical inspection	Not needed [N]			Fracture critical inspection date	
Other special inspection	Not needed [N]			Other special inspection date	

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Basic Information

Wisconsin [55]	Door County [029]	Sturgeon Bay [77875]	1.0M N JCT STH 42	00-00-00 = 0.000000	000-00-00 = -0.000000

B15010000020000	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0	North [1]	LRD MICHIGAN STREE	Toll: On free road [3]	Features intersected: STURGEON BAY	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 0 km = 0.0 mi	
2	Truss - Thru [10]	0	Other [00]	Year built: 1930	Year reconstructed: 1979
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 88.9 m = 291.7 ft	Length of maximum span: 45.7 m = 149.9 ft	Deck width, out-to-out: 10.7 m = 35.1 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft		
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0.3 m = 1.0 ft	Curb or sidewalk width - right: 0.3 m = 1.0 ft			

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection:

Type of membrane/wearing surface: Unknown [8]

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 45.4 metric ton = 49.9 tons		
0.4 km = 0.2 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 79.4 metric ton = 87.3 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	15300	Average daily truck traffi	0 %	Year	2008	Future average daily traffic	15246
Year	2023						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	13.4 m = 44.0 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	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	3.51 m = 11.5 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 owner's forces [2]		
Bridge improvement cost	1490000	Roadway improvement cost	149000
Length of structure improvement	93.3 m = 306.1 ft	Total project cost	2235000
Year of improvement cost estimate	2010		
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	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 replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Not applicable. [N]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	45.4

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	October 2007 [1007]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2010 [0810]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2008 [0408]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

Wisconsin [55]	Door County [029]	Sturgeon Bay [77875]	1.0M N JCT STH 42	00-00-00 = 0.000000	000-00-00 = -0.000000

B15010000030000	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0	North [1]	LRD MICHIGAN STREE	Toll: On free road [3]	Features intersected: STURGEON BAY	

Design - main: 1	Steel [3] / Movable - Bascule [16]	Design - approach: 0	Other [00]	Kilometerpoint: 0 km = 0.0 mi	
Year built: 1930	Year reconstructed: 1979	Skew angle: 0	Structure Flared:	Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 49.2 m = 161.4 ft	Length of maximum span: 49.2 m = 161.4 ft	Deck width, out-to-out: 10.7 m = 35.1 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft				
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0.3 m = 1.0 ft	Curb or sidewalk width - right: 0.3 m = 1.0 ft					
Deck structure type: Open Grating [3]							
Type of wearing surface: Other [9]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 0.4 km = 0.2 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 42.1 metric ton = 46.3 tons			
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 69.7 metric ton = 76.7 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	15300	Average daily truck traffi	0 %	Year	2008	Future average daily traffic	15246
Year	2023						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	13.4 m = 44.0 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	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	3.51 m = 11.5 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 owner's forces [2]		
Bridge improvement cost	857000	Roadway improvement cost	85000
Length of structure improvement	53.6 m = 175.9 ft	Total project cost	1286000
Year of improvement cost estimate	2010		
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 - superstructur	Very Good [8]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	68.2
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	October 2007 [1007]	Designated inspection frequency	12	Months	
Underwater inspection	Unknown [Y60]			Underwater inspection date	August 2010 [0810]
Fracture critical inspection	Every two years [Y24]			Fracture critical inspection date	April 2008 [0408]
Other special inspection	Not needed [N]			Other special inspection date	

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Wisconsin [55]	Door County [029]	Sturgeon Bay [77875]	1.0M N JCT STH 42	00-00-00 = 0.000000	000-00-00 = -0.000000

B15010000040000	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0	North [1]	LRD MICHIGAN STREE	Toll: On free road [3]	Features intersected: STURGEON BAY	
Design - main: Steel [3]	Design - approach:	Kilometerpoint: 0 km = 0.0 mi			
5	Truss - Thru [10]	0	Other [00]	Year built: 1930	Year reconstructed: 1979
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 246.8 m = 809.8 ft	Length of maximum span: 50.4 m = 165.4 ft	Deck width, out-to-out: 10.7 m = 35.1 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft				
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0.3 m = 1.0 ft	Curb or sidewalk width - right: 0.3 m = 1.0 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]							
Deck protection:							
Type of membrane/wearing surface: Unknown [8]							

Weight Limits

Bypass, detour length: 0.4 km = 0.2 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 45.4 metric ton = 49.9 tons		
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 79.4 metric ton = 87.3 tons		
	Bridge posting:	Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	15300	Average daily truck traffi	0 %	Year	2008	Future average daily traffic	15246
Year	2023						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	13.4 m = 44.0 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	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	3.51 m = 11.5 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 owner's forces [2]		
Bridge improvement cost	4007000	Roadway improvement cost	400000
Length of structure improvement	251.2 m = 824.2 ft	Total project cost	6011000
Year of improvement cost estimate	2010		
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Not applicable. [N]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	45.4

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	October 2007 [1007]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2010 [0810]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2008 [0408]
Other special inspection	Not needed [N]	Other special inspection date	