HistoricBridges.org - National Bridge Inventory Data Sheet

2021 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

Michigan [26]	Wayne County [163]	Dearborn [21000]	IN DEARBORN	42-19-35.81 = 42.326614	083-09-38.17 = -83.160603

11140	Highway agency district:	7	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	12		US-12 (MICHIGAN AV	Toll	On free road [3]	Features intersected	I-94

Design - main	Steel [3]	Design - approach		Kilometerpoint	265.7 km = 164.7 mi		
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1948	Year reconstructed	1996
				Skew angle	55	Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]		

Total length	68.2 m = 223.8 ft	Length of maximum span	36.3 m = 119.1 ft	Deck width, out-to-out	35.9 m = 117.8 ft	Bridge roadway width, curb-to-curb	27.4 m = 89.9 ft
Inventory Route, Total Horizontal Clearance	30.4 m = 99.7 ft	Curb or sidewalk width - left	3.8 m = 12.5 ft	Curb or sidewalk width - right	2.4 m = 7.9 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	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating	52.8 metric ton = 58.1 tons	
0 km = 0.0 mi	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating	88.1 metric ton = 96.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	28335	Average daily truck traffi	4 %	Year	2007	Future average daily traffic	12250
Year	2026						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	9	Approach roadway width	27.4 m = 89.9 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	Highway, with or without ped	Lanes under structure	6	Navigation control	Not applicable, no waterway. [N]		
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	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	27 m = 88.6 ft	Minimum lateral underclearance on left	1.8 m = 5.9 ft				
Minimum Vertical Underclearance	4.42 m = 14.5 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	Roadway improvement cost
		Length of structure improvement	Total project cost
		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	Satisfactory [6]	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	Good [7]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	
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	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	September 1999 [999]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
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

Michigan [26]	Wayne County [163]	Dearborn [21000]	IN DEARBORN	42-19-34.47 = 42.326242	083-09-42.89 = -83.161914

11139	Highway agency district: 7	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 12		US-12 (MICHIGAN AV	Toll: On free road [3]	Features intersected: I-94 RAMP	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 254.1 km = 157.5 mi	
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1944	Year reconstructed: 1968
				Skew angle: 19	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 15.2 m = 49.9 ft	Length of maximum span: 15.2 m = 49.9 ft	Deck width, out-to-out: 35.9 m = 117.8 ft	Bridge roadway width, curb-to-curb: 27.4 m = 89.9 ft		
Inventory Route, Total Horizontal Clearance: 30.4 m = 99.7 ft	Curb or sidewalk width - left: 3.9 m = 12.8 ft	Curb or sidewalk width - right: 3.9 m = 12.8 ft			

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Latex Concrete or similar additive [3]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 0 km = 0.0 mi	Method to determine inventory rating: Load Factor (LF) rating reported by rati	Inventory rating: 37.3 metric ton = 41.0 tons			
	Method to determine operating rating: Load Factor (LF) rating reported by rati	Operating rating: 62.2 metric ton = 68.4 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]			

Functional Details

Average Daily Traffic	28335	Average daily truck traffi	5 %	Year	2007	Future average daily traffic	31582
Year	2018						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	9	Approach roadway width	27.4 m = 89.9 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	Highway, with or without ped	Lanes under structure	2	Navigation control	Not applicable, no waterway. [N]		
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	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	29 m = 95.1 ft	Minimum lateral underclearance on left	3 m = 9.8 ft				
Minimum Vertical Underclearance	4.5 m = 14.8 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

Bridge deck replacement with only incidental widening. [37]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	45000	Roadway improvement cost	
Length of structure improvement		Total project cost	
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	
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 1999 [999]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
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

Michigan [26]	Wayne County [163]	Dearborn [21000]	IN DEARBORN	42-19-39.41 = 42.327614	083-09-33.88 = -83.159411

11141	Highway agency district: 7	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 12		RAMP TO US-12	Toll: On free road [3]	Features intersected: I-94	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 8.2 km = 5.1 mi	
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1948	Year reconstructed: N/A [0000]
				Skew angle: 15	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 35.3 m = 115.8 ft	Length of maximum span: 17.6 m = 57.7 ft	Deck width, out-to-out: 13.9 m = 45.6 ft	Bridge roadway width, curb-to-curb: 13.4 m = 44.0 ft
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft	
Deck structure type: Concrete Cast-in-Place [1]			
Type of wearing surface: Latex Concrete or similar additive [3]			
Deck protection:			
Type of membrane/wearing surface:			

Weight Limits

Bypass, detour length: 0 km = 0.0 mi	Method to determine inventory rating: Load Factor (LF) rating reported by rati	Inventory rating: 41.5 metric ton = 45.7 tons	
	Method to determine operating rating: Load Factor (LF) rating reported by rati	Operating rating: 69.3 metric ton = 76.2 tons	
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	11760	Average daily truck traffi	0 %	Year	1982	Future average daily traffic	13524	Year	2002
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	12.2 m = 40.0 ft				
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median					
Parallel structure designation	No parallel structure exists. [N]								
Type of service under bridge	Highway, with or without ped	Lanes under structure	6	Navigation control	Not applicable, no waterway. [N]				
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	99.99 m = 328.1 ft						
Minimum lateral underclearance reference feature	Highway beneath structure [H]								
Minimum lateral underclearance on right	27 m = 88.6 ft	Minimum lateral underclearance on left	1.9 m = 6.2 ft						
Minimum Vertical Underclearance	4.44 m = 14.6 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

Roadway improvement cost

Length of structure improvement

Total project cost

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	Fair [5]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	
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	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	September 1999 [999]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
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

Michigan [26]	Wayne County [163]	Dearborn [21000]	IN DEARBORN	42-19-27.97 = 42.324436	083-09-44.24 = -83.162289

11138	Highway agency district: 7	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 12		RAMP FROM US-12EB	Toll: On free road [3]	Features intersected: I-94	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 28.5 km = 17.7 mi	
5	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1948	Year reconstructed: N/A [0000]
				Skew angle: 99	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 79.8 m = 261.8 ft	Length of maximum span: 19.5 m = 64.0 ft	Deck width, out-to-out: 13.9 m = 45.6 ft	Bridge roadway width, curb-to-curb: 13.4 m = 44.0 ft
Inventory Route, Total Horizontal Clearance: 13.4 m = 44.0 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft
Deck structure type: Concrete Cast-in-Place [1]		
Type of wearing surface: Latex Concrete or similar additive [3]		
Deck protection:		
Type of membrane/wearing surface:		

Weight Limits

Bypass, detour length: 0 km = 0.0 mi	Method to determine inventory rating: Load Factor (LF) rating reported by rati	Inventory rating: 62.2 metric ton = 68.4 tons			
	Method to determine operating rating: Load Factor (LF) rating reported by rati	Operating rating: 97.2 metric ton = 106.9 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]			

Functional Details

Average Daily Traffic	14880	Average daily truck traffi	0 %	Year	1982	Future average daily traffic	14880
Year	1977						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	3	Approach roadway width	12.8 m = 42.0 ft		
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Highway, with or without ped	Lanes under structure	6	Navigation control	Not applicable, no waterway. [N]		
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	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	30 m = 98.4 ft	Minimum lateral underclearance on left	1.8 m = 5.9 ft				
Minimum Vertical Underclearance	4.5 m = 14.8 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

Roadway improvement cost

Length of structure improvement

Total project cost

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	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Very Good [8]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	
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	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	September 1999 [999]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	