

HistoricBridges.org - National Bridge Inventory Data Sheet

2021 Inventory

The National Bridge Inventory contains data submitted by state transportation 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

Michigan [26]	Genesee County [049]	Flint [29020]	S W CORNER OF FLINT	42-59-09.12 = 42.985867	083-44-19.25 = -83.738681
2785	Highway agency district: 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0		CLAUDE AVE	Toll On free road [3]	Features intersected	SWARTZ CREEK
Design - main	Prestressed concrete [5]	Design - approach		Kilometerpoint	33.6 km = 20.8 mi
1	Box beam or girders - Multiple [05]	0	Other [00]	Year built	1957
				Year reconstructed	N/A [0000]
				Skew angle	12
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	18.2 m = 59.7 ft	Length of maximum span	17.6 m = 57.7 ft	Deck width, out-to-out	10.2 m = 33.5 ft
				Bridge roadway width, curb-to-curb	7.9 m = 25.9 ft
Inventory Route, Total Horizontal Clearance	9.5 m = 31.2 ft	Curb or sidewalk width - left	0.7 m = 2.3 ft	Curb or sidewalk width - right	0.7 m = 2.3 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					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	40.2 metric ton = 44.2 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	68.3 metric ton = 75.1 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	56	Average daily truck traffi	1	%	Year	2006	Future average daily traffic	101	Year	2026
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	11 m = 36.1 ft			
Type of service on bridge	Highway [1]		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	99.99 m = 328.1 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited					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

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 minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Equal to present minimum criteria [6]
Condition ratings - deck	Good [7]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	
Pier or abutment protection		Sufficiency rating	
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			
Inspection date	November 2020 [1120]	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	