

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Michigan [26]	Livingston County [093]	Hartland [37040]	SEC. 08 HARTLAND TWP		
47309H00010B010	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	TOWNLEY ROAD	Toll On free road [3]	Features intersected	ORE CREEK	
Design - main 1	Steel [3] Truss - Thru [10]	Design - approach 0	Other [00]	Kilometerpoint	
				Year built #Num!	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance	
Total length	12.2 m = 40.0 ft	Length of maximum span	11 m = 36.1 ft	Deck width, out-to-out	5.5 m = 18.0 ft
				Bridge roadway width, curb-to-curb	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.8 m = 15.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type					
Type of wearing surface					
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
0.5 km = 0.3 mi	Method to determine operating rating		Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	0	Average daily truck traffi		%	Year	2000	Future average daily traffic		Year	
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	7.3 m = 24.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic			Bridge median				
Parallel structure designation										
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	0 = N/A					Minimum lateral underclearance on left				
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	Work to be done by contract [1]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	182000	Roadway improvement cost	70000						
	Length of structure improvement	228.6 m = 750.0 ft		Total project cost	252000					
	Year of improvement cost estimate	1999								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Imminent Failure [1]

Appraisal ratings -
roadway alignment

Condition ratings - substructure

Serious [3]

Appraisal ratings -
deck geometry

Condition ratings - deck

Scour

Channel and channel protection

Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy

Meets minimum tolerable limits to be left in place as is [4]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

19.5

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

May 1995 [0595]

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

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Basically intolerable requiring high priority of corrective action [3]