HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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 42.31.10								42-31-10 =	093-15-50 = -				
Iowa [19] Hardin County [083]			y [083]	J		Unknown [02045]		0		42.519444	93.263889		
27140 Highv			y agency	agency district 1		Owner	Owner State Highway Agency [01]			Maintenance responsibility State Highway Agency [01]		gency [01]	
Route 65 US 65				Toll On fre	e road [3]	F	eatures interse	cted IOWA RIVE	R				
Design - mainConcrete [1]Design - approach1Arch - Deck [11]0Other				approach				Kilometer Year built Skew ang	1928	xm = 0.0 mi Year re Structure F	constructed 196	7]
						Historical	significance	bificance Bridge is eligible for the NRHP. [2]					
Total length 77.7 m = 254.9 ft Length of maximum span 71.6 m = 234.9 ft Deck width, out-to-out 11.2 m = 36.7 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft								o-curb 7.3 m = 24.0 ft					
Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft			Curb or sidewalk width - left 1.5 m =			1.5 m = 4.	9 ft	Curb or side	ewalk width - right	1.5 m = 4.9 ft			
Deck structure type Concrete Cast-in-Plac			e [1]										
Type of wearing surface Low slump Concrete			4]										
Deck protection													
Type of membrane/wearing surface													
Weight Lir	mits												
Bypass, detour lengthMethod to determine it0.2 km = 0.1 miMethod to determine it			determi	ermine inventory rating			Load Factor(LF) [1]		Inv	ventory rating	0 metric ton = 0	.0 tons	
			ne operating rating		oad Factor(LF) [1]		Ор	perating rating	36.9 metric ton	= 40.6 tons			
Bridge posting Equal to or above le			jal loads [5]			De	Design Load M 13.5 / H 15 [2]						

Functional Details	
Average Daily Traffic 9600 Average daily tr	uck traffi 8 % Year 2007 Future average daily traffic 11712 Year 2028
Road classification Principal Arterial - Other (Rural)	[02]Lanes on structure2Approach roadway width12.2 m = 40.0 ft
Type of service on bridge Highway-pedestrian [5]	Direction of traffic ² - way traffic ^[2] Bridge median
Parallel structure designation No parallel structure	e 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 brid	dge 0 m = 0.0 ft Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature Fe	eature 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]	
Densir and Danlagement Diang	
Repair and Replacement Plans	
Type of work to be performed	Work done by
	Bridge improvement cost 0 Roadway improvement cost 0
	Length of structure improvement0 m = 0.0 ftTotal project cost0
	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 res	striction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]						
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7] Basically intolerable requiring high priority of replacement [2]						
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry							
Condition ratings - deck	Poor [4]								
Scour	Bridge foundations determined	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8] Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]							
Channel and channel protection									
Appraisal ratings - water adequac	Equal to present minimum crit	teria [6]	Status evaluation Structurally deficient [1]						
Pier or abutment protection			Sufficiency rating 4						
Culverts Not applicable. Used	if structure is not a culvert. [N]								
Traffic safety features - railings									
Traffic safety features - transition	IS								
Traffic safety features - approach									
Traffic safety features - approach	n guardrail ends								
Inspection date July 2008 [0708] Designated inspection frequency 24 Months									
	Unknown [N00]	Underwater inspec	ction date						
	Unknown [N00]	Fracture critical inspection date							
Other special inspection	Unknown [N00]	Other special inspectation	ection date						