HistoricBridges.org - National Bridge Inventory Data Sheet

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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						42 24 44 00 002 07 20 04
Michigan [26]	Oakland County [1	25]	Detroit [22000]	N LTS OF DETROIT		42-26-46.89 = 083-07-29.06 42.446358 = -83.124739
7858	Highway age	ency district: 7	Owner State Highway	Agency [01]	Maintenance responsibilit	y State Highway Agency [01]
Route 1	M-1		Toll On fre	ee road [3]	eatures intersected M-102	(8 MI RD) & RAMPS
Design - Steel [3] main 4 Stringer/Mi	ulti-beam or girder [(Design - approach D2] 0 Other	[00]	Kilometerpoint 3.5 Year built 1956 Skew angle 25	km = 2.2 mi Year reconstructed Structure Flared	2006
				Historical significance	Bridge is not eligible	for the NRHP. [5]
Total length 77.8 m	= 255.3 ft L	ength of maximum sp	an 21.7 m = 71.2 ft	Deck width, out-to-or	ut 27.3 m = 89.6 ft Bridge	roadway width, curb-to-curb 25.3 m = 83.0 ft
Inventory Route, Tota	l Horizontal Clearan	ce 12.7 m = 41.7 ft	Curb or sidewalk w	width - left $0 \text{ m} = 0.0 \text{ f}$	ft Curb or	sidewalk width - right 0 m = 0.0 ft
Deck structure type		Concrete Cast-in-Pla	ce [1]			
Type of wearing surfa	ce	Monolithic Concrete	(concurrently placed with str	ructural deck) [1]		
Deck protection		Epoxy Coated Reinfo	orcing [1]			
Type of membrane/w	earing surface					
Weight Limits						
Bypass, detour lengt	h Method to dete	rmine inventory rating	Load Factor(LF) [1]	Inv	entory rating 56.7 metric	ton = 62.4 tons
0 km = 0.0 mi	Method to dete	rmine operating rating	Load Factor(LF) [1]	Op	erating rating 94.7 metric	ton = 104.2 tons
	Bridge posting	Equal to or above l	egal loads [5]	De	sign Load MS 22.5 / HS 25	or greater [9]

Functional Details	
Average Daily Traffic 19126 Average daily tr	uck traffi 3 % Year 2007 Future average daily traffic 53400 Year 2023
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 6 Approach roadway width 19.2 m = 63.0 ft
Type of service on bridge Third level (Interchange) [7] Direction of traffic 2 - way traffic [2] Bridge median Closed median with non-mountable barr
Parallel structure designation No parallel structure	e exists. [N]
Type of service under bridge Highway, with or without	ut ped Lanes under structure 12 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 bri	Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature H	ighway beneath structure [H]
Minimum lateral underclearance on right 24 m = 78.7	7 ft Minimum lateral underclearance on left 0.6 m = 2.0 ft
Minimum Vertical Underclearance 4.47 m = 14.7 ft	Minimum vertical underclearance reference feature Highway beneath structure [H]
Appraisal ratings - underclearances Meets minimum	tolerable limits to be left in place as is [4]
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	Better than present minimum criteria [7]			
Condition ratings - substructure	Good [7]	Appraisal ratings -	Somewhat better than minimum adequacy to tolerate being left in place as			
Condition ratings - deck	Satisfactory [6]	deck geometry	is [5]			
Scour	Bridge not over waterway. [N	1]				
Channel and channel protection	Not applicable. [N]					
Appraisal ratings - water adequac	y N/A [N]		Status evaluation			
			Status evaluation			
Pier or abutment protection			Sufficiency rating			
Culverts Not applicable. Used	if structure is not a culvert. [N]					
Traffic safety features - railings						
		ble or a safety feature is no	ot required. [N]			
		le or a safety feature is not required. [N]				
Traffic safety features - approach guardrail ends Not applicabl		ble or a safety feature is no	ot required. [N]			
Inspection date September 1999 [999] Designated inspec		ection frequency 24	Months			
Underwater inspection	Not needed [N]	Underwater inspec	ction date			
Fracture critical inspection Not needed [N]		Fracture critical ins	spection date			
Other special inspection	Not needed [N]	Other special inspe	ection date			

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Basic Information						42-26-47.45 =	083-07-28.77
Michigan [26]	Oakland County [125]	Detroit [22000]	@ N LTS OF DETRO	IT	42.446514	= -83.124658
7859	Highway ag	ency district: 7	Owner State Highway	Agency [01]	Maintenance responsibility	State Highway Age	ncy [01]
Route 1	M-	1 NB RAMP	Toll On fre	ee road [3]	Features intersected M-102 (8 MI	ILE RD)	
Design - Steel [3] main Stringer/M	ulti-beam or girder [Design - approach	ner [00]	Kilometerpoint 3. Year built 1956	5 km = 2.2 mi Year reconstructed N/A	[0000]	
Z Stilligei/ivi	unit-beam or girder [02) 0	iei [uu]	Skew angle 25 Historical significance	Structure Flared Bridge is not eligible for the	ne NRHP. [5]	
Total length 36.6 m	= 120.1 ft	Length of maximum	span 18.6 m = 61.0 ft	Deck width, out-to-o	out 20.1 m = 65.9 ft Bridge road	dway width, curb-to-cu	12.2 m = 40.0 ft
Inventory Route, Tota	ıl Horizontal Clearaı	nce 19.2 m = 63.0	ft Curb or sidewalk w	vidth - left 2.9 m = 9	.5 ft Curb or side	ewalk width - right	4.6 m = 15.1 ft
Deck structure type		Concrete Cast-in-F	Place [1]				
Type of wearing surface Latex Concrete or similar additive [3]							
Deck protection		Epoxy Coated Rei	nforcing [1]				
Type of membrane/w	earing surface						
Weight Limits							
Bypass, detour lengt	h Method to dete	ermine inventory rati	ng Load Factor (LF) rat	ting reported by rati In	ventory rating 50.2 metric ton =	= 55.2 tons	
0 km = 0.0 mi	Method to dete	ermine operating rati	ng Load Factor (LF) rat	ting reported by rati O	perating rating 84.6 metric ton =	= 93.1 tons	
	Bridge posting	Equal to or abov	e legal loads [5]	De	esign Load MS 18 / HS 20 [5]	_	

Functional Details		
Average Daily Traffic 3095 Average daily tr	ruck traffi 18 % Year 1999 Fu	ture average daily traffic 3466 Year 2014
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 3	Approach roadway width 19.2 m = 63.0 ft
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 1 - way tr	affic [1] Bridge median Open median [1]
Parallel structure designation No parallel structure	e exists. [N]	
Type of service under bridge Highway, with or without the Highway of Service under bridge	out ped Lanes under structure 6	Navigation control Not applicable, no waterway. [N]
Navigation vertical clearanc 0 = N/A	Navigation horizont	tal clearance 0 = N/A
Minimum navigation vertical clearance, vertical lift bri	dge	Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature H	ighway beneath structure [H]	
Minimum lateral underclearance on right 24 m = 78.7	7 ft	Minimum lateral underclearance on left 0.6 m = 2.0 ft
Minimum Vertical Underclearance 4.4 m = 14.4 ft	Minimum vertical und	derclearance reference feature Highway beneath structure [H]
Appraisal ratings - underclearances Meets minimum	tolerable limits to be left in place as is [4]	
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 res	triction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]	
Condition ratings - superstructure	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 corrrective action [3]	
Condition ratings - deck	Good [7]			
Scour	Bridge not over waterway. [I	N]		
Channel and channel protection	Not applicable. [N]			
Appraisal ratings - water adequac	y N/A [N]		Status evaluation	
Pier or abutment protection			Sufficiency rating	
Culverts Not applicable. Used i	f structure is not a culvert. [N]			
Traffic safety features - railings	Inpected fe	ature meets currently acce	ptable standards. [1]	
Traffic safety features - transition	Not applica	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail Not app		t applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends Not applica		ible or a safety feature is no	ot required. [N]	
Inspection date September 1	999 [999] Designated insp	pection frequency 24	Months	
Underwater inspection Not needed [N]		Underwater inspec	ction date	
Fracture critical inspection Not needed [N]		Fracture critical ins		
Other special inspection	Not needed [N]	Other special inspe	ection date	

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Basic Information						42-26-47.39 =	083-07-30.99
Michigan [26]	Oakland County [1	25]	Detroit [22000]	AT N LTS OF DETRO	IT	42.446497	= -83.125275
7860	Highway age	ency district: 7	Owner State Highway	Agency [01]	Maintenance responsibility	State Highway Age	ncy [01]
Route 1	M-1	SB RAMP	Toll On fre	ee road [3]	eatures intersected M-102 (8 M	IILE RD)	
Design - Steel [3] main 2 Stringer/M	ulti-beam or girder [0	Design - approach	ther [00]	Year built 1956	year reconstructed 200	3	
				Skew angle 25 Historical significance			
0			n span 18.3 m = 60.0 ft	Deck width, out-to-o		dway width, curb-to-cu	
Inventory Route, Tota	l Horizontal Clearan			width - left $2.3 \text{ m} = 7.1$	5 ft Curb or sid	ewalk width - right	4.7 m = 15.4 ft
Deck structure type		Concrete Cast-in-	Place [1]				
Type of wearing surface Monolithic Concrete (concurrently placed with structural concurrently placed with structural concurrence concurrently placed with structural concurrence concurren			ructural deck) [1]				
Deck protection		Epoxy Coated Re	einforcing [1]				
Type of membrane/w	earing surface						
Weight Limits							
Bypass, detour lengt	h Method to dete	rmine inventory rat	ting Load Factor (LF) rat	ting reported by rati Inv	entory rating 50.5 metric ton	= 55.6 tons	
0 km = 0.0 mi	Method to dete	rmine operating ra	ting Load Factor (LF) rat	ting reported by rati Op	erating rating 84.2 metric ton	= 92.6 tons	
	Bridge posting	Equal to or above	ve legal loads [5]	De	sign Load MS 22.5 / HS 25 or	greater [9]	

Functional Details		
Average Daily Traffic 3095 Average daily tr	uck traffi 18 % Year 1999 Fu	ture average daily traffic 3466 Year 2014
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 3	Approach roadway width 19.2 m = 63.0 ft
Type of service on bridge Highway [1]	Direction of traffic 1 - way tr	affic [1] Bridge median Open median [1]
Parallel structure designation No parallel structure	e exists. [N]	
Type of service under bridge Highway, with or without	ut ped Lanes under structure 6	Navigation control Not applicable, no waterway. [N]
Navigation vertical clearanc 0 = N/A	Navigation horizont	al clearance 0 = N/A
Minimum navigation vertical clearance, vertical lift bri	dge	Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature H	ighway beneath structure [H]	
Minimum lateral underclearance on right 13 m = 42.7	'ft	Minimum lateral underclearance on left 1.3 m = 4.3 ft
Minimum Vertical Underclearance 4.44 m = 14.6 ft	Minimum vertical und	derclearance reference feature Highway beneath structure [H]
Appraisal ratings - underclearances Basically intoler	able requiring high priority of corrrective action	on [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 res	triction [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 -	Somewhat better than minimum adequacy to tolerate being left in place as is [5]		
Condition ratings - deck	Satisfactory [6]	deck geometry			
Scour Bridge not over		way. [N]			
Channel and channel protection Not applicab					
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	Inpe	cted feature meets currently accep	ptable standards. [1]		
Traffic safety features - transitions		Not applicable or a safety feature is not required. [N]			
		Not applicable or a safety feature is not required. [N]			
Traffic safety features - approach	guardrail ends Not	applicable or a safety feature is no	ot required. [N]		
Inspection date September 1999 [999] Design		red inspection frequency 24	Months		
Underwater inspection Not needed [N]		Underwater inspec			
Fracture critical inspection Not needed [N]		Fracture critical ins			
Other special inspection	Not needed [N]	Other special inspe	ection date		