2021 Inventory

Basic In	formation									<i>4</i> 2 10 25 81 -	083 00 38 17
Michigar	า [26]	Wayne County	ı [163]		Dearbo	rn [21000]	IN DEARBORN			42-19-33.01 -	= -83.160603
11140		Highway	agency	/ district: 7	Owner	When State Highway Agency [01]			ce responsibility State Highway Agency [01]		
Route 12 US-12 (MICHIGAN AV					AV	Toll C	On free road [3]	Features inters	sected I-94		
Design - mainSteel [3]Design - approach2Stringer/Multi-beam or girder [02]0			Other [00]	Kilometerpoint 265.7 km = 164.7 mi Year built 1948 Year reconstructed 1996 Skew angle 55 Structure Flared Historical significance Bridge is on the NRHP. [1]							
Total len	gth 68.2 m =	= 223.8 ft	Leng	gth of maxim	um span 36.3 r	n = 119.1 ft	Deck width, out-	to-out 35.9 m = 1	17.8 ft Bridge road	way width, curb-to-ci	urb 27.4 m = 89.9 ft
Inventory Deck stru Type of v	/ Route, Total ucture type vearing surfac	Horizontal Clea	arance Co Mo	30.4 m = 99 Increte Cast- Inclithic Con	9.7 ft (in-Place [1] crete (concurre	Curb or sidewa	alk width - left 3.8 m th structural deck) [1]	= 12.5 ft	Curb or side	walk width - right	2.4 m = 7.9 ft
Deck pro Type of r	tection	earing surface	Ep	oxy Coated I	Reinforcing [1]						
Weight L Bypass,	_imits detour length	¹ Method to d	determi	ne inventory	rating Lo	ad Factor (LF	-) rating reported by rati	Inventory rating	52.8 metric ton =	= 58.1 tons	
0 km = (0.0 mi	Method to d	determi	ne operating	rating Lo	ad Factor (LF	-) rating reported by rati	Operating rating	88.1 metric ton =	= 96.9 tons	
		Bridge post	ting E	Equal to or al	oove legal loads	s [5]		Design Load	/IS 18 / HS 20 [5]		

Functional Details										
Average Daily Traffic 28335 Average daily tr	ruck 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	e exists. [N]									
Type of service under bridge Highway, with or witho	but 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 brid	dge Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft									
Minimum lateral underclearance reference feature H	lighway beneath structure [H]									
Minimum lateral underclearance on right 27 m = 88.6	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 intoler	able 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 res	triction [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 -	Basically intolerable requiring high priority of replacement [2]				
Condition ratings - deck	Good [7]	deck geometry					
Scour							
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	if structure is not a culvert. [N]						
Traffic safety features - railings	Inpected fe	ature meets currently accept	table standards. [1]				
Traffic safety features - transition	s Inpected fe	ature meets currently accept	table standards. [1]				
Traffic safety features - approach	n guardrail Inpected fe	ature meets currently accept	table standards. [1]				
Traffic safety features - approach	n guardrail ends Inpected fe	ature meets currently accept	table standards. [1]				
Inspection date September 1999 [999] Designated inspection frequency 24 Months							
Underwater inspection	Not needed [N]	Underwater inspecti	ion date				
Fracture critical inspection	Not needed [N]	Fracture critical insp	pection date				
Other special inspection	Not needed [N]	Other special inspec	Other special inspection date				

2021 Inventory

Basic In	formation													12-19-31 17 -	083-09-42 89
Michigar	n [26]	Wayne Count	y [163]			Dearborr	n [21000]		IN DEARBO	ORN				42.326242	= -83.161914
11139		Highway	/ agency	v district: 7		Owner	ner State Highway Agency [01]			Ма	aintenance	nce responsibility State Highway Agency [01]			
Route	12		US-12	(MICHIGAN	AV		Toll	On fre	e road [3]		Feature	es intersed	ted I-94 RAMP		
Design - main 1	Steel [3] Stringer/Mu	ılti-beam or girc	ler [02]	Design - approach 0	Other [00]			Kilometerpo Year built Skew angle Historical sig	pint 2 1944 19 gnificanc	254.1 km	n = 157.5 r Year red Structure F Bridge is	ni [196] constructed [196] lared [196] s on the NRHP.]	8	
Total len	gth 15.2 m	= 49.9 ft	Leng	th of maxim	um spa	n 15.2 m	= 49.9 ft		Deck width	h, out-to-	-out 35.	.9 m = 117	.8 ft Bridge roa	dway width, curb-to-o	27.4 m = 89.9 ft
Inventory	Route, Tota	Horizontal Cle	arance	30.4 m = 99	9.7 ft	Сι	urb or side	ewalk wi	idth - left	3.9 m = 1	12.8 ft		Curb or sid	ewalk width - right	3.9 m = 12.8 ft
Deck stru	ucture type		Co	ncrete Cast-	in-Plac	e [1]									
Type of v	wearing surfa	ce	La	tex Concrete	or sim	ilar additiv	/e [3]								
Deck pro	otection														
Type of r	membrane/we	earing surface													
Weight L	Limits														
Bypass,	detour length	n Method to	determir	ne inventory	rating	Loa	d Factor ((LF) rati	ing reported b	oy rati Ir	nventory	y rating	37.3 metric ton	= 41.0 tons	
0 km = (0.0 mi	Method to	determir	ne operating	rating	Loa	d Factor	(LF) rati	ing reported b	oy rati C	Operatin	ig rating	62.2 metric ton	= 68.4 tons	
		Bridge pos	ting E	Equal to or al	oove leg	gal loads	[5]			D	Design L	oad MS	18 / HS 20 [5]		

Inspection and Sufficiency										
Structure status Open, no	en, no restriction [A]			Appraisal ratings - structural	Equal to p	present minimum criteria [6]				
Condition ratings - superstruct	ire Good	d [7]		Appraisal ratings - roadway alignment	Appraisal ratings - Better than present minimum criteria [7]					
Condition ratings - substructur	e Satis	factory [6]		Appraisal ratings -	Basically i	intolerable requiring high priority of replacement [2]				
Condition ratings - deck	Good	d [7]		deck geometry						
Scour		Bridge not ove	r waterway. [N]							
Channel and channel protection	n	Not applicable	. [N]							
Appraisal ratings - water adequ	iacy	N/A [N]			Status evaluation					
Pier or abutment protection						Sufficiency rating				
Culverts Not applicable. Us	ed if struc	ture is not a cu	lvert. [N]							
Traffic safety features - railing	S		Inpected featu	ire meets currently accept	ptable standa	ards. [1]				
Traffic safety features - transi	ions		Not applicable	e or a safety feature is no	ot required. [N	N]				
Traffic safety features - appro	ach guar	drail	Not applicable	e or a safety feature is no	ot required. [N	N]				
Traffic safety features - appro	N]									
Inspection date September	r 1999 [9	99] D	esignated inspec	tion frequency 24	Μ	Nonths				
Underwater inspection Not needed [N] Underwater inspection date										
Fracture critical inspection	Not ne	eded [N]		Fracture critical ins	spection date					
Other special inspection	Not ne	eded [N]		Other special inspe	ection date					

2021 Inventory

Basic In	formation											12-10-30 11 -	083-09-33 88
Michigar	n [26]	Wayne Count	y [163]		Dear	rborn [[21000]	IN DEARBORN				42-19-39.41 =	= -83.159411
11141		Highway	agency	/ district: 7	Owr	ner State Highway Agency [01] Maintenance responsibility					State Highway Age	ncy [01]	
Route 12 RAMP TO US-12							Toll On fre	e road [3]	Fea	atures interse	cted I-94		
Design - main 2	Steel [3] Stringer/Mu	lti-beam or girc	ler [02]	Design - approach 0	Other [00]			Kilometerpoint Year built 1948 Skew angle 15	8.2 k	m = 5.1 mi Year re Structure F	constructed N/A		
Total len	gth 35.3 m =	= 115.8 ft	Lenç	gth of maxim	um span 17.	.6 m =	57.7 ft	Historical signification Deck width, out	ance -to-out	Bridge 13.9 m = 45.	s not eligible for th	he NRHP. [5] Iway width, curb-to-cu	urb 13.4 m = 44.0 ft
Inventory	/ Route, Total	Horizontal Cle	arance	13.4 m = 44	1.0 ft	Curl	b or sidewalk wi	dth - left 0 m =	0.0 ft		Curb or side	walk width - right	0 m = 0.0 ft
Deck stru	ucture type		Сс	oncrete Cast-	in-Place [1]								
Type of v	wearing surface	ce	La	tex Concrete	or similar ad	dditive	e [3]						
Deck pro	otection												
Type of r	membrane/we	earing surface											
Weight I	Limits												
Bypass,	detour length	Method to	determi	ne inventory	rating	Load	Factor (LF) rati	ng reported by rati	Inver	ntory rating	41.5 metric ton =	= 45.7 tons	
0 km = (0.0 mi	Method to	determi	ne operating	rating	Load Factor (LF) rating reported by rati			i Operating rating 69.3 metric ton = 76.2 tons				
		Bridge pos	ting	Equal to or al	oove legal lo	ads [5]		Desig	gn Load MS	5 18 / HS 20 [5]		

Functional Details		
Average Daily Traffic 11760 Average daily tr	ck 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 structur	exists. [N]	
Type of service under bridge Highway, with or witho	t ped Lanes under structure 6 Navigation co	ntrol Not applicable, no waterway. [N]
Navigation vertical clearanc 0 = N/A	Navigation horizontal clearance 0 = 1	N/A
Minimum navigation vertical clearance, vertical lift bri	ge Minimum vertic	al clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature H	phway beneath structure [H]	
Minimum lateral underclearance on right 27 m = 88.6	ft Minimum lateral u	inderclearance on left 1.9 m = 6.2 ft
Minimum Vertical Underclearance 4.44 m = 14.6 ft	Minimum vertical underclearance refere	ence feature Highway beneath structure [H]
Appraisal ratings - underclearances Basically intoler	ble requiring high priority of corrrective action [3]	
Repair and Replacement Plans		
Type of work to be performed	Work done by	
	Bridge improvement cost Road	Iway 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	
	Dorder 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	Good [7]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]					
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings -	Superior to present desirable criteria [9]					
Condition ratings - deck	Fair [5]	deck geometry						
Scour Bridge not over waterway. [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	if structure is not a culvert. [N]							
Traffic safety features - railings	Inpected	feature meets currently acce	eptable standards. [1]					
Traffic safety features - transition	Inpected	feature meets currently acce	eptable standards. [1]					
Traffic safety features - approach	n guardrail Inpected	feature meets currently acce	eptable standards. [1]					
Traffic safety features - approach	n guardrail ends Inpected	feature meets currently acce	ptable standards. [1]					
Inspection date September 1	999 [999] Designated in	nspection frequency 24	Months					
Underwater inspection	Not needed [N]	Underwater inspec	ction date					
Fracture critical inspection	Not needed [N]	Fracture critical ins	Fracture critical inspection date					
Other special inspection	Not needed [N]	Other special inspe	Other special inspection date					

2021 Inventory

Basic In	formation													42-19-27 97 =	083-09-44 24
Michigar	ו [26]	Wayne Count	y [163]			Dearbor	n [21000]		IN DEARBORN					42.324436	= -83.162289
11138		Highway	agency	y district: 7		Owner	ner State Highway Agency [01] Maintenance responsibility				State Highway Age	State Highway Agency [01]			
Route 1	12		RAMP	FROM US-1	2EB		Toll	On fre	e road [3]	Fea	atures inters	sected	1-94		
Design - main 5	Steel [3] Stringer/Mu	ılti-beam or giro	ler [02]	Design - approach 0	Other [[00]			Kilometerpoint Year built 1948 Skew angle 99 Historical significa	28.5	km = 17.7 r Year Structure Bridg	mi reconsti e Flared e is not	ructed N/A (C	0000] e NRHP. [5]	
Total len	gth 79.8 m	= 261.8 ft	Lenç	gth of maxim	um spa	n 19.5 m	= 64.0 ft		Deck width, out	-to-out	13.9 m = 4	15.6 ft	Bridge roadv	way width, curb-to-cu	urb 13.4 m = 44.0 ft
Inventory	Route, Tota	l Horizontal Cle	arance	13.4 m = 44	1.0 ft	С	urb or side	walk wi	idth - left 0 m =	0.0 ft			Curb or sidev	valk width - right	0 m = 0.0 ft
Deck stru	ucture type		Сс	oncrete Cast-	in-Plac	e [1]									
Type of v	vearing surfa	се	La	tex Concrete	or simi	ilar additiv	ve [3]								
Deck pro	tection														
Type of r	membrane/we	earing surface													
Weight L	imits														
Bypass,	detour length	n Method to	determi	ne inventory	rating	Loa	nd Factor (l	LF) rati	ng reported by rati	Inver	ntory rating	62.2	2 metric ton =	68.4 tons	
0 km = ().0 mi	Method to	determi	ne operating	rating	Loa	nd Factor (l	∟F) rati	ng reported by rati	Oper	rating rating	97.2	2 metric ton =	106.9 tons	
		Bridge pos	sting E	Equal to or al	oove leg	gal loads	[5]			Desi	gn Load	MS 18/	HS 20 [5]		

Functional Details								
Average Daily Traffic 14880 Average daily tr	ruck traffi 0 %	Year 1982 Fu	ture average daily traffic	14880	Year 197	7		
Road classification Other Principal Arterial (Urban)	[14] Lanes on	structure 3		Appr	oach roadway wid	12.8 m = 4	42.0 ft	
Type of service on bridge Highway [1]	Direct	ion of traffic 1 - way tr	affic [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 horizont	al clearance 0 = N/A					
Minimum navigation vertical clearance, vertical lift bri	dge		Minimum vertical clea	arance over	bridge roadway	99.99 m = 328	.1 ft	
Minimum lateral underclearance reference feature H	ighway beneath struct	ure [H]						
Minimum lateral underclearance on right 30 m = 98.4	1 ft		Minimum lateral underc	learance on	left 1.8 m = 5.9 ft			
Minimum Vertical Underclearance 4.5 m = 14.8 ft		Minimum vertical unc	lerclearance reference fe	eature Hig	nway beneath stru	cture [H]		
Appraisal ratings - underclearances Basically intoler	able requiring high pric	ority of corrrective action	on [3]					
Repair and Replacement Plans								
Type of work to be performed	Work done by							
	Bridge improvement	t cost	Roadway ii	mprovemen	cost			
	Length of structure i	improvement		Total project	ct cost			
	Year of improvemer	nt cost estimate						
	Border bridge - state	e	E	Border bridge	e - percent respon	sibility of other s	tate	
	Border bridae - struc	cture 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						
Condition ratings - deck	Very Good [8]	deck geometry	is [5]						
Scour	Bridge not over v	vaterway. [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 culve	ert. [N]							
Traffic safety features - railings		Inpected feature meets currently acce	ptable standards. [1]						
Traffic safety features - transition	S	Inpected feature meets currently acce	ptable standards. [1]						
Traffic safety features - approach	guardrail	Inpected feature meets currently acce	ptable standards. [1]						
Traffic safety features - approach guardrail ends Inpected feature meets currently acceptable standards. [1]									
Inspection date September 1	999 [999] Des	ignated inspection frequency 24	Months						
Underwater inspection	Not needed [N]	Underwater inspe	ction date						
Fracture critical inspection	Not needed [N]	Fracture critical in	spection date						
Other special inspection	Not needed [N]	Other special insp	ection date						