Inspector:	Gerstenslager, Mic	hael	Structure Number			
Inspection Date: 08/17/2023		Facility Carried:	ST CL	ST CLAIR AVE NE(CR		
<u>Ohio Bridge Ins</u>	pection Sum	mary Report		<u>CUY-0</u>	00090-1786	<u>(1808109)</u>
2: DistricDistr 16000 - C ict 12	LEVELAND (CUY co	bunty)	5A: Inventory Ro	ute 1	00009	
21: Major Maint A/B 225 Routine Main A/B	01 - State Highway 04 - City or Municipa Agency		7: Facility On 6: Feature Ints	ST CLAIR A IR-90 (ST. (AVE NE(CR CLAIR)	
221 Inspection A/B 220: Inv. Location DIS	01 - State Highway	Agency /	9: Location Lat, Lon	.18 MI. E. C 41.512164	DF JCT. US-6 ,-81.	673258
	Condition			Stru	ucture Type	
58: Deck	6 - Satisfactory	/ Condition	43: Bridge Ty		el continuous	
58.01 Wearing Surface 58.02 Joint	e 7 - Good (1% d 6- Satisfactory	istress) (isolated leaking)		02 - Si N- Not	tringer/Multi-bear t Applicable	n or Girder / 0
59: Superstructure 59.01 Paint & PCS	7 - Good Cond		45: Spans M		ch 4 1 - Concrete Ca	
60: Substructure	5 - Fair (10-15% 7 - Good Cond		107: Deck Ty 408: Compos	•	N - Non-compos	
61: Channel	N		414A Joint T		2 - Sliding Metal	
61.01 Scour	N - Not Applica	able	414B: Joint T		N - None	i late / lagie
62: Culverts 67.01 GA	N - Not Applica		108A: Weariı	ng Surface	2 - Integral Cond non-modified lay added to structu	/er of concrete ral deck)
67.01 GA			422: WS Date	2	N- Not Applicab 01/01/2001	ie
	Appraisal		423: WS Thi		2.5	
Sufficiency Rating		SD/FO 2 - FO	482: Protecti		0 - Other Paint	
36: Rail, Tr, Gd, Term St 72: Approach Alignment		N N sent desirable criteria	483: PCS Da	ate	01/01/1987	
113: Scour Critical	N - Not over wa		453: Bearing	Type 1	2 - Rockers & B	olsters
71: Waterway Adequacy		•	455: Bearing	Type 2	N - None	
	Geometric		528: Foundn	: Abut Fwd	2 - Cast-in-Place Concrete Piles (
19: Max Span Langth (ft)		1.0	I 533: Foundn	: Abut Rear	2 - Cast-in-Place	
48: Max Span Length (ft) 49: Structure Length (ft)		50.0	536: Foundn	: Pier 1	Concrete Piles (2 - Cast-in-Place Concrete Piles (e Reinforced
52: Deck Width, Out-To-	Out (ft) 7	9.1	539: Foundn	: Pier 2	0 - Other	,
424: Deck Area (sf)	1	9775		Age	and Service	
32: Appr Roadway Width	n (ft) 6	0.0	27: Year Buil			0000
51: Road Width, Curb-Cu	urb (ft) 6	0.0	42A: Service		1 - Highway	
50A: Curb/SW Width: Le			42B: Service		1 - Highway, w	vith or w/out
50A: Curb/SW Width: Rig	aht (ft) 8		28A: Lanes o	on	pedestrian 06	
34: Skew (deg)		8	28B: Lanes l		08	
33: Bridge Median		- No median	19: Bypass L	.ength	1	
54B: Min Vert Underclea		5.24	29: ADT		6788	
336A: Min Vert Clrnce IR	()	9	109: % Truck	ks (%)	5	
336B: Min V Clr IR Non-	Cardinal (ft) 0	1		Insr	ections	
578: Culvert Length (ft)	C			map	Months	
	Load Posting		90: Routine I	nsp.		/17/2023
41: Op/Post/Closed	A - Open		92A: FCM In	-	0	
	to or above legal loa	ds	92B: Dive Ins	•	0	
70.01: Date	-		92C: Special	-	0	
70.02: Sign Type			92D: UBIT In	-	0	
734: Percent Legal (%)	150		92E: Drone Ir	nsp. N	0	
704: Analysis Date	07/01/1973			Gerstenslage	er,Michael	
	7 - Allowable Str	ess (AS) rating report	lea			

Inspector:	Gerstenslager, Michael	Structure Number:	1808109
Inspection Date:	08/17/2023	Facility Carried:	ST CLAIR AVE NE(CR
63: Analysis Method	by rating factor (RF) method us loading.	ing MS18	

Inspector:	Gerstenslager, Michael	Structure Number:	1808109
Inspection Date:	08/17/2023	Facility Carried:	ST CLAIR AVE NE(CR

3 - Mod. CS2 - Leached CS3 - Some de CS4 - 360° reba rebar in bay 7 o CS2 - Cracks. CS3 - Wide crac CS4 - 2 sf spall surrounded by 7 3 - Mod.	lams and sp ar exposure ver Eastboo 14640 cks. and asphal	in bay (und entr sq. ft.	ottled areas a 6 above rear rance ramp la 13724	at deck ends abutment. 1 ane. 750	0 sf spall with 140	26
CS3 - Some de CS4 - 360° reba rebar in bay 7 o CS2 - Cracks. CS3 - Wide crac CS4 - 2 sf spall surrounded by 7	lams and sp ar exposure ver Eastboo 14640 cks. and asphal	in bay (und entr sq. ft.	ottled areas a 6 above rear rance ramp la 13724	at deck ends abutment. 1 ane. 750	0 sf spall with 140	26
CS4 - 360° reba rebar in bay 7 o CS2 - Cracks. CS3 - Wide crac CS4 - 2 sf spall surrounded by 7	ar exposure ver Eastbor 14640 cks. and asphal	in bay (und entr sq. ft.	6 above rear rance ramp la 13724	abutment. 1 ane. 750	0 sf spall with 140	26
rebar in bay 7 o CS2 - Cracks. CS3 - Wide crac CS4 - 2 sf spall surrounded by 7	ver Éastbou 14640 cks. and asphal	sq. ft.	ance ramp la	ane. 750	140	26
CS3 - Wide crac CS4 - 2 sf spall surrounded by ?	cks. and asphal	t patch i				
CS3 - Wide crac CS4 - 2 sf spall surrounded by ?	and asphal		in #1 EB lan	e near forwar	rd, 6 sf aspha	It patch
CS4 - 2 sf spall surrounded by 7	and asphal		in #1 EB lan	e near forwar	rd, 6 sf aspha	It patch
surrounded by ?			in #1 EB lan	e near forwar	rd, 6 sf aspha	It patch
3 - Mod.		ound ar	ea near rear	along center		
	2400	ft.	2200	125	75	0
CS2 - Areas of surface rust throughout.						
CS3 - Areas of	section loss	at bear	m ends in uti	lity bays and	to some low	er flanges.
	25700	sq. ft.	0	24375	1200	125
0						
3 - Mod.	18	each	18	0	0	0
CS1 - A few cra	cks to a fev	v colum	ns.			
	2592	sq. ft.	2592	0	0	0
3 - Mod.	166	ft.	146	20	0	0
Heavy dirt and debris on both seats.						
CS2 - Cracks, some leaching.						
	664	sq. ft.	604	0	0	60
CS4 - Coating not effective.						
3 - Mod.	267	ft.	72	193	2	0
CS 2: All pier caps fiber wrapped except above columns.						
CS3 - Delams a					1	l
	3204	sq. ft.	3114	0	0	90
	CS3 - Areas of a CS2 - Surface of abutment. Initia CS3 - Peeling of CS4 - Unproteo 3 - Mod. CS1 - A few ora 3 - Mod. Heavy dirt and of CS2 - Cracks, s CS4 - Coating r 3 - Mod. CS 2: All pier of CS3 - Delams a	CS3 - Areas of section loss 25700 CS2 - Surface dulling throu abutment. Initiated surface CS3 - Peeling coats. CS4 - Unprotected steel. 3 - Mod. 18 CS1 - A few cracks to a few 2592 3 - Mod. 166 Heavy dirt and debris on be CS2 - Cracks, some leachi 664 CS4 - Coating not effective 3 - Mod. 267 CS 2: All pier caps fiber we CS3 - Delams above P1C5 3204	CS3 - Areas of section loss at bear 25700 sq. ft. CS2 - Surface dulling throughout. If abutment. Initiated surface rust. CS3 - Peeling coats. CS4 - Unprotected steel. 3 - Mod. 18 each CS1 - A few cracks to a few colum 2592 sq. ft. 3 - Mod. 166 ft. Heavy dirt and debris on both seat CS2 - Cracks, some leaching. 664 sq. ft. CS4 - Coating not effective. 3 - Mod. 267 ft. CS 2: All pier caps fiber wrapped of CS3 - Delams above P1C5.	CS3 - Areas of section loss at beam ends in uti 25700 sq. ft. 0 CS2 - Surface dulling throughout. Fire damage abutment. Initiated surface rust. CS3 - Peeling coats. CS4 - Unprotected steel. 3 - Mod. 18 each 18 CS1 - A few cracks to a few columns. 2592 sq. ft. 2592 3 - Mod. 166 ft. 146 Heavy dirt and debris on both seats. CS2 - Cracks, some leaching. CS2 - Cracks, some leaching. 664 sq. ft. 604 CS4 - Coating not effective. 3 - Mod. 267 ft. 72 CS 2: All pier caps fiber wrapped except above CS3 - Delams above P1C5. 3204 sq. ft. 3114	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c } \hline CS3 & - Areas of section loss at beam ends in utility bays and to some low of the source of the s$

Inspector:	Gerstenslager, Michael	Structure Number:	1808109
Inspection Date:	08/17/2023	Facility Carried:	ST CLAIR AVE NE(CR

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4	
305-Assembly Joint without Sea	3 - Mod.	134	ft.	79	45	5	5	
	 Spall under rear left curb plate exposes armor anchorage. CS2 - Cracks to exit headers. Some areas of debris in joint. Gouges in both d armors and areas of surface rust. CS3 - Pitting to deck armor at forward in lane 2 Westbound. 					oth deck		
	CS4 - 2' of riser bar missing from forward joint in EB lane #2. Rusting thru holes as large as 3" in both rear curb plates. Deep spall to header at rear right fully exposes riser bar.							
311-Movable Bearing	3 - Mod.	40	each	0	20	20	0	
	CS2 - Surface r	ust.						
	CS3 - Heavy pack rust forming between rocker and masonry plate at abutments. Most rockers are engulfed in debris. Section loss.							
313-Fixed Bearing	3 - Mod.	10	each	8	2	0	0	
	CS2 - Surface rust to fascia bearings.							
321-Reinforced Concrete Approach Slab	3 - Mod.	1800	sq. ft.	1723	75	2	0	
	Paved over.							
	CS2 - A few cracks in asphalt.							
	CS3 - Asphalt patch at rear in right lane E/B.							
331-Reinforced Concrete Bridge Railing	3 - Mod.	480	ft.	423	55	0	2	
	CS2 - Cracks, some leaching. Areas of map cracking. A few shallow spalls.							
	CS4 - 1/2" wide thru crack in right railing near rear ExJt.							
521-Concrete Protective Coating		2716	sq. ft.	2446	0	0	270	
	CS4 - Coating not effective.							
815-Drainage	3 - Mod.	4	each	4	0	0	0	
	Downspouts at P3 are slightly misaligned relative to the scuppers. Bottom of downspout at P3C2 is buried.							
830-Abutment Backwall	3 - Mod.	166	ft.	101	35	30	0	
	Hole thru to sur CS2 - Cracks. CS3 - Spalls (m Delams.		·				ays 1, 5 - 9.	
521-Concrete Protective Coating		664	sq. ft.	598	0	0	66	
	CS4 - Coating r	not effective					-	



Deck

Inspection Note: East is rear.

Wearing Surface: Note zone on bridge taking lane 1 in both directions near East end for sewer work.

Floor/Slab

Spalls forming over traffic - Over EB: bays 1, 2 and 8 over lane #3, bay 4 over lane #2, bays 5, 6, 7 and 8 over entrance ramp lane. Over WB in bay 8 over lane #4 and Bay 2, Lane 3 over utilities.

Curbs/Sidewalk

Transverse cracks, concrete patches, shallow spalls, a few delams. Breaking up area at forward-left. 4 of 6 utility cover plates missing in sidewalks which have filled with dirt & vegetation.

Approach

Approach Wearing Surface

Few cracks.

Approach Embankment

Minor erosion at rear left and forward right, partially obscured by vegetation

Approach Guardrail

Forward-left concrete approach parapet is cracked & spalled at ExJt. two thru cracks in rear right approach parapet.

Signs

No bridge end markers.

Inspector Comments - General Appraisal

Superstructure

Beams/Girders

Uncoped intersecting welds above piers. Utility support beams welded to girder web. Split web welds at P1 & P3.

Diaphragm/X-Frames

End frame rusting section loss with thru holes in forward bays 1, 2 & 7 and rear bay 1.

Fatigue

Inspector:Gerstenslager,MichaelInspection Date:08/17/2023

Structure Number: Facility Carried: 1808109 ST CLAIR AVE NE(CR

Welded moment plates at piers.

Utilities

Some steel bands that hold bank of 6 conduits on wood supports have broken. The conduits have shifted and have separated in bay 2 over EB & WB traffic. Exposed wires in conduit at P1C1. Ring hanging from utility line in bay 1 at forward abutment.

Substructure

Wingwalls

Spall to rear-right wingwall.

Slope Protection

Cracks, uneven settlement, bottom of forward slope protection has partially collapsed.

<u>Culvert</u>

Inspector Comments - Waterway

Waterway Adequacy

<u>Channel</u>

Scour Critical

Inspector: Michael Gerstenslager

Inspection Date: 08/17/2023

Structure Number:

Facility Carried:

1808109 ST CLAIR AVE NE(CR

Bridge Inspection Report

Pictures