

Inspector: Gerstenslager,Michael
 Inspection Date: 03/16/2023

Structure Number: 1800124
 Facility Carried: MNCPL PARKING RAMP

Ohio Bridge Inspection Summary Report

CUY-00002-1678 (1800124)

2: District 16000 - CLEVELAND (CUY county)
 District 12

5A: Inventory Route 1 MUNPR

21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 04 - City or Municipal Highway /
 Agency
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location DISTRICT 12

7: Facility On MNCPL PARKING RAMP
 6: Feature Ints SR-2 (MUNI PARKING RMP)
 9: Location .9 MI E E9TH ST AND SR2
 Lat, Lon 41.515124870095 ,-81.680326191224

Condition

58: Deck **6 - Satisfactory Condition**
 58.01 Wearing Surface 4 - Poor (advanced)
 58.02 Joint 4- Poor (heavy leaking, offset)
59: Superstructure **7 - Good Condition**
 59.01 Paint & PCS 6 - Satisfactory (5-10% corr.)
60: Substructure **6 - Satisfactory Condition**
61: Channel **N**
61.01 Scour **N - Not Applicable**
62: Culverts **N - Not Applicable**

67.01 GA **6**

Structure Type

43: Bridge Type 4 - Steel continuous
 02 - Stringer/Multi-beam or Girder
 N- Not Applicable
 45: Spans Main / Approach 2 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck Y - Composite Construction
 414A Joint Type 1 3 - Compression Seal
 414B: Joint Type 2 N - None
 108A: Wearing Surface 1 - Monolithic Concrete
 (concurrently placed with structural
 deck)
 N- Not Applicable

Appraisal

Sufficiency Rating 82.5 SD/FO 2 - FO
 36: Rail, Tr, Gd, Term Std 1 1 1 1
 72: Approach Alignment 6 - Equal to present minimum criteria
 113: Scour Critical N - Not over waterway
 71: Waterway Adequacy N - Not Applicable

422: WS Date 01/01/1993
 423: WS Thick (in) 1.2
 482: Protective Coating 8 - Paint System A with
 intermediate tie coat
 483: PCS Date 01/01/1993
 453: Bearing Type 1 3 - Sliding (Bronze)
 455: Bearing Type 2 N - None
 528: Foundn: Abut Fwd 4 - Spread Footing (on soil)
 533: Foundn: Abut Rear 4 - Spread Footing (on Soil)
 536: Foundn: Pier 1 4 - Spread Footing (on soil)
 539: Foundn: Pier 2 0 - Other

Geometric

48: Max Span Length (ft) 68.0
 49: Structure Length (ft) 137.0
 52: Deck Width, Out-To-Out (ft) 35.8
 424: Deck Area (sf) 4904.6
 32: Appr Roadway Width (ft) 32.0
 51: Road Width, Curb-Curb (ft) 26.0
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 5.6
 34: Skew (deg) 0
 33: Bridge Median 0 - No median
 54B: Min Vert Underclearance (ft) 15.67
 336A: Min Vert Clrnce IR Cardinal (ft) 99
 336B: Min V Clr IR Non-Cardinal (ft) 0
 578: Culvert Length (ft) 0

Age and Service

27: Year Built/ 106 Rehab 1954 / 1993
 42A: Service On 5 - Highway-pedestrian
 42B: Service Under 1 - Highway, with or w/out
 pedestrian
 28A: Lanes on 02
 28B: Lanes Under 08
 19: Bypass Length 0
 29: ADT 320
 109: % Trucks (%) 3

Load Posting

41: Op/Post/Closed A - Open
 70: Posting 5 - Equal to or above legal loads
 70.01: Date
 70.02: Sign Type
 734: Percent Legal (%) 150
 704: Analysis Date 07/01/1994
 63: Analysis Method 6 - Load Factor (LF) rating reported by
 rating factor (RF) method using MS18

Inspections

90: Routine Insp. *Months* 12 03/16/2023
 92A: FCM Insp. N 0
 92B: Dive Insp. N 0
 92C: Special Insp. N 0
 92D: UBIT Insp. N 0
 92E: Drone Insp. N 0
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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	4909	sq. ft.	4779	50	80	0
	CS 2 - A few transverse cracks, shallow haunch spall in bay 3 over EB lane 1. CS 3: Light mottled areas in bay 2 over Eastbound lane 4 and bay 3 over EB lane 1. These locations are directly under asphalt patches on wearing surface.						
805-Wearing Surface - Monolithic Concrete		3562	sq. ft.	2982	100	180	300
	CS 2 - Minor cracks throughout CS 3 - Broken up areas in both lanes over EB traffic, delaminated areas. Deep spall with exposed rebar in Southbound lane. CS 4 - Large asphalt patches.						
107-Steel Open Girder/Beam	3 - Mod.	680	ft.	652	25	3	0
	CS 2 - Scrapes in lower flange of left fascia over EB lanes 3 and 4. A few scrapes to other lower flanges. Minor surface rust to Beams 2-4 bottom flanges over EB lanes. CS 3 - Gouges as deep as 1/4" in lower flange of left fascia over EB lanes 3 & 4.						
515-Steel Protective Coating		5720	sq. ft.	0	5665	45	10
	(CS 4). (CS 3). CS 2 - Chalking and fading throughout. CS 3 - Areas of peeling and blistering paint to some lower flanges. CS 4 - Areas of rust to lower flanges over EB traffic						
210-Reinforced Concrete Pier Wall	3 - Mod.	36	ft.	24	12	0	0
	CS 2 - Cracks						
521-Concrete Protective Coating		1280	sq. ft.	0	0	1280	0
	CS 3: Reduced thickness of covering.						
215-Reinforced Concrete Abutment	3 - Mod.	72	ft.	38	12	22	0
	CS 2 - Minor cracks CS 3 - Rust stained cracks to both. 3sf spall at forward.						
521-Concrete Protective Coating		1260	sq. ft.	0	0	1260	0
	CS 3: Thickness of sealer reduced.						
302-Compression Joint Seal	3 - Mod.	64	ft.	0	22	10	32
	CS 2 - Gouges to both joints. Dirt and debris in both seals. CS 3 - Evidence of leakage in all bays to both backwalls. Rusting section loss to armor. CS 4: Asphalt patches to both headers. Full length at forward and half of total length at rear.						
311-Movable Bearing	3 - Mod.	10	each	10	0	0	0
313-Fixed Bearing	3 - Mod.	5	each	5	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	960	sq. ft.	940	20	0	0
	CS 2 - A few cracks.						
331-Reinforced Concrete Bridge Railing	3 - Mod.	274	ft.	0	274	0	0
	CS 2 - Scaling to bridge and pedestrian rails. A few delaminations and spalls to both.						
815-Drainage	3 - Mod.	2	each	2	0	0	0
830-Abutment Backwall	3 - Mod.	72	ft.	57	15	0	0
	CS 2 - Cracks						

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ODOT District: District 12

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Date Built: 07/01/1954

Major Maint: 01 - State Highway Agency

Facility Carried: MNCPL PARKING RAMP

Traffic On: 5 - Highway-pedestrian

Rehab Date: 01/01/1993

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: SR-2 (MUNI PARKING RMP)

Traffic Under: 1 - Highway, with or w/out pedestrian

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: DISTRICT 12

.9 MI E E9TH ST AND SR2

Insp Resp B:

Inspector

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Reviewer Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Floor

Bridge Railing

Fence rusting.

Approach

Approach Wearing Surface (EA)

A few cracks at forward.

Approach Relief Joint (LF)

Cracks. Asphalt patches.

Approach Embankment (EA)

Forward-left concrete approach rail has settled as much as 1.5" & tips out slightly near exjt. Rear-left approach rail has settled as much as 1". Note: sidewalk leads to bridge from the south with no sidewalk leading to bridge from the north

Signs (EA)

No bridge end markers.

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frames (EA)

Rusting section loss.

Substructure

Wingwalls (EA)

Epoxy injected cracks. Small concrete patches.

Culvert

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Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures