

Inspector: Ken Banaszak
 Inspection Date: 02/27/2022

Structure Number: 4301897
 Facility Carried: SR 2

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	7126	sq. ft.	5281	1800	45	0
	<p>CS2 - Transverse cracks, some leaching. Rust stains from shallow cover rebar. Lightly mottled areas. Full depth repair in bay 1 over forward slope.</p> <p>CS3 - Minor spalls to right edge of floor. Some shallow spalls, few with exposed rebar. Minor delams. Minor heavier mottled areas.</p>						
510 - Wearing Surfaces		6762	sq. ft.	4686	2000	75	1
	<p>CS2 - Transverse and longitudinal cracks throughout, some sealed. Some scaling.</p> <p>CS3 - A few cracks as wide as 1/32". Minor delams.</p> <p>CS4 - 1 sf asphalt patch at forward ExJt in #2.</p>						
107 - Steel Open Girder/Beam	3 - Mod.	966	ft.	942	20	4	0
	<p>CS2 - Some light rusting section loss. Scrapes to lower flanges of all beams over SB lane with small gouge in right fascia.</p> <p>CS3 - Heavy rusting section loss near beam ends.</p>						
515 - Steel Protective Coating		8520	sq. ft.	0	7268	852	400
	<p>CS2 - Chalking/ Faded. Initiated surface rust throughout. Peeling top coat.</p> <p>CS3 - Peeling paint coats. Blistering paint with rust underneath.</p> <p>CS4 - Paint failing at beams ends & along lower flanges of fascias.</p>						
205 - Reinforced Concrete Column	3 - Mod.	8	each	8	0	0	0
	Concrete patches to P2C4.						
215 - Reinforced Concrete Abutment	3 - Mod.	120	ft.	109	11	0	0
	CS2 - Minor cracks. Rust stains & scaling.						
234 - Reinforced Concrete Pier Cap	3 - Mod.	120	ft.	120	0	0	0
305 - Assembly Joint without Seal	3 - Mod.	119	ft.	30	78	6	5
	<p>CS2 - Minor scrapes & gouges to forward armor. Areas of minor rusting section loss. Dirt and debris in gap.</p> <p>CS3 - Spalls to headers with asphalt patches. Few heavy gouges to forward ExJt.</p> <p>CS4 - Evidence of leakage down backwalls.</p>						

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311 - Movable Bearing	3 - Mod.	18	each	0	6	12	0
<p>Surface rust throughout.</p> <p>CS3 - Rusting section loss to abutment bearings. Most abutment bearings are past the designed travel limits. Pack rust forming to abutment bearings between sole and masonry plates.</p>							
313 - Fixed Bearing	3 - Mod.	6	each	0	6	0	0
<p>CS2 - Surface rust.</p>							
321 - Reinforced Concrete Approach Slab	3 - Mod.	2100	sq. ft.	1582	500	18	0
<p>Paved over with asphalt.</p> <p>CS2 - Cracks, some sealed.</p> <p>CS3 - Asphalt patches. Potholes and areas of broken up asphalt along ExJts.</p>							
331 - Reinforced Concrete Bridge Railing	3 - Mod.	322	ft.	312	10	0	0
<p>Collision scrapes.</p> <p>CS2 - A few vertical cracks.</p>							
815 - Drainage	3 - Mod.	16	each	7	9	0	0
<p>CS2 - Rusting section loss & thru holes to some downspouts. Note: drainage spraying onto some beams.</p>							
830 - Abutment Backwall	3 - Mod.	120	ft.	100	10	10	0
<p>Rust stained.</p> <p>CS2 - Cracks, some leaching.</p> <p>CS3 - Spalls and delams to both.</p>							

ODOT District: District 12

LAK-00002-1805L_(4301897)

Date Built: 07/01/1964

Major Maint: 01 - State Highway Agency

Facility Carried: SR 2

Traffic On: 1 - Highway

Rehab Date: 01/01/1989

Routine Maint: 01 - State Highway Agency

Feature Inters: CR-305 (BACON RD)

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

Insp: 01 - State Highway Agency

FIPS Code: 59430 - PAINESVILLE TWP (LAK county)

Location: DISTRICT 12

1.5 E GRAND RIVER

Resp A:

Inspector

Banaszak, Ken

Inspection Date 02/27/2022

Reviewer Seif, Youssef

Insp

Resp B:

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

Sealed cracks. Small asphalt patches, and slight breaking up where asphalt meets exjt headers at forward.

Approach Guardrail

Thru crack to rear-left & forward-left concrete approach rails. Rear-left concrete approach rail has shifted approx 3" left.

Signs

Damage to forward-left bridge end marker.

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frames

Surface rust throughout. Endframe rusting section loss. Rusting thru holes in bay 1 angle near rear abutment.

Fatigue

Welded moment plates at piers.

Substructure

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical