

Ohio Bridge Inspection Summary Report

LAK-00002-1735L (4301803)

2: District 59430 - PAINESVILLE TWP (LAK county)
 ict
 12

5A: Inventory Route 1 00002

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

7: Facility On SR 2
 6: Feature Ints RED CREEK
 9: Location 1 MI E GRAND RIVER (SR2)
 Lat, Lon 41.745353 , -81.218447

Condition	Structure Type
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58: Deck **6 - Satisfactory Condition**
 58.01 Wearing Surface 5 - Fair (10-15%, 2% asphalt patch)
 58.02 Joint N- Not Applicable
59: Superstructure **7 - Good Condition**
 59.01 Paint & PCS N - Not Applicable
60: Substructure **6 - Satisfactory Condition**
61: Channel **7**
61.01 Scour **7 - Good**
62: Culverts **N - Not Applicable**
67.01 GA **6**

43: Bridge Type 1 - Concrete
 01 - Slab
 N- Not Applicable
 45: Spans Main / Approach 1 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck N - Non-composite Construction
 414A Joint Type 1 N - None
 414B: Joint Type 2 N - None
 108A: Wearing Surface 3 - Latex Concrete or similar additive
 N- Not Applicable

Appraisal

Sufficiency Rating 98.6 SD/FO 0 - ND
 36: Rail, Tr, Gd, Term Std 1 1 1 1
 72: Approach Alignment 8 - Equal to present desirable criteria
 113: Scour Critical 8 - Stable for scour conditions
 71: Waterway Adequacy 7 - Slight Chance of Overtopping Bridge

422: WS Date 06/23/1991
 423: WS Thick (in) 2.0
 482: Protective Coating N - None or Not Applicable
 483: PCS Date
 453: Bearing Type 1 0 - Other
 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 N - None (Such as most Culverts)
 539: Foundn: Pier 2 N - None (Such as most Culverts)

Geometric

48: Max Span Length (ft) 20.0
 49: Structure Length (ft) 22.0
 52: Deck Width, Out-To-Out (ft) 55.0
 424: Deck Area (sf) 1210
 32: Appr Roadway Width (ft) 53.0
 51: Road Width, Curb-Curb (ft) 53.0
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 20
 33: Bridge Median 0 - No median
 54B: Min Vert Underclearance (ft) 0
 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 1964 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 03
 28B: Lanes Under 00
 19: Bypass Length 1
 29: ADT 14738
 109: % Trucks (%) 9

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 07/01/2006
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections

	<i>Months</i>	
90: Routine Insp.	12	05/27/2022
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	
Inspector	Persanyi, Andrea	

Inspector: Andrea Persanyi
 Inspection Date: 05/27/2022

Structure Number: 4301803
 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
38 - Reinforced Concrete Slab	3 - Mod.	1210	sq. ft.	769	371	70	0
	CS2 - Rust stains from rebar chairs throughout. Some cracks. CS3 - Mottled areas with rust stains. Spalls with exposed rebars and delaminations along both abutments.						
510 - Wearing Surfaces		1166	sq. ft.	646	400	90	30
	CS2 - Cracks. Area of abrasion / gouges at forward in lane 2. Scaling. CS3 - Wide cracks greater than 0.5". Heavy pattern map cracking at forward in lane 1. CS4 - Asphalt patches at both deck ends and lane 2. Areas of broken up concrete.						
215 - Reinforced Concrete Abutment	3 - Mod.	118	ft.	67	40	11	0
	CS2 - Full height leaching cracks. Efflorescence along slab construction seam of both abutments. CS3 - 3 sf spall / broken up area at forward-right that goes into seat. 5 LF spall along slab construction joint at the forward left. Delaminations near both left wing walls. Full height leaching cracks with rust stains.						
321 - Reinforced Concrete Approach Slab	3 - Mod.	1800	sq. ft.	1012	600	180	8
	Paved over with asphalt. Asphalt shows signs of distress along deck ends. CS2 - Cracks. CS3 - Rough asphalt patches and areas of broken up asphalt to both. CS4 Large pothole at rear in #3 and forward #1.						
331 - Reinforced Concrete Bridge Railing	3 - Mod.	44	ft.	36	8	0	0
	CS2 - A few vertical cracks.						
815 - Drainage	3 - Mod.	2	each	0	2	0	0
	CS2 - Thick dirt in both berms.						
840 - Approach Slab: Termination or Joint	3 - Mod.	106	ft.	106	0	0	0
	Transverse crack at end of paved approaches.						

ODOT District: District 12

LAK-00002-1735L_(4301803)

Date Built: 07/01/1964

Major Maint: 01 - State Highway Agency

Facility Carried: SR 2

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: RED CREEK

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 59430 - PAINESVILLE TWP (LAK county)

Location: DISTRICT 12

1 MI E GRAND RIVER (SR2)

Resp A:

Insp

Resp B:

Inspector

Persanyi,Andrea

Inspection Date 05/27/2022

Reviewer Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

Approach slabs paved over. Cracks. Potholes. Breaking up areas. Asphalt patches (some breaking up) that go into deck ends.
NOTE: Rough ride at rear.

Approach Embankment

Minor erosion at base of forward-left wingwall.

Approach Guardrail

Thru cracks and rust stained cracks to rear-right concrete approach rail.

Signs

No bridge end markers.

Inspector Comments - General Appraisal

Superstructure

Substructure

Wingwalls

Minor cracks. Spalls at rear-left.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical