

# Ohio Bridge Inspection Summary Report

**LAK-00002-1735R (4301838)**

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 41.745242 , -81.218194

Condition	Structure Type
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**58: Deck**                    **6 - Satisfactory Condition**  
 58.01 Wearing Surface    7 - Good (1% distress)  
 58.02 Joint                 N- Not Applicable  
**59: Superstructure**       **6 - Satisfactory 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	422: WS Date
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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 5 - Scour within limits of footing or piles  
 71: Waterway Adequacy 7 - Slight Chance of Overtopping Bridge

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	Age and Service
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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	Inspections
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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	Inspections
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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.

	<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: 4301838  
 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
<b>38 - Reinforced Concrete Slab</b>	3 - Mod.	1210	sq. ft.	810	265	135	0
	CS2 - Near full-length diagonal crack near center of slab. Other cracks. Rust stains from rebar chairs throughout. CS3 - Mottled areas with rust stains. Delaminations. Spalls with exposed rebar along both abutments.						
510 - Wearing Surfaces		1166	sq. ft.	1051	100	0	15
	CS2 - Cracks. Delams. CS4 - Small asphalt patches at both deck edges.						
<b>215 - Reinforced Concrete Abutment</b>	3 - Mod.	118	ft.	97	14	7	0
	CS2 - Efflorescence along top construction seam of both abutments. Full height cracks, some leaching. Minor rust stains. CS3 - Delaminations and spalls at top of all 4 corners. Rust stained full height cracks.						
<b>321 - Reinforced Concrete Approach Slab</b>	3 - Mod.	1800	sq. ft.	1625	175	0	0
	Paved over. CS2 - Cracks. Asphalt patches at both ends.						
<b>331 - Reinforced Concrete Bridge Railing</b>	3 - Mod.	44	ft.	34	10	0	0
	CS2 - A few vertical cracks. Collision scrapes and gouges at rear-right. Spalls <6".						
<b>815 - Drainage</b>	3 - Mod.	2	each	2	0	0	0
<b>840 - Approach Slab: Termination or Joint</b>	3 - Mod.	72	ft.	72	0	0	0

ODOT District: District 12

## LAK-00002-1735R\_(4301838)

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 with asphalt. Cracks in asphalt.

##### **Signs**

No bridge end markers.

### Inspector Comments - General Appraisal

#### Superstructure

#### Substructure

##### **Wingwalls**

Full height crack at forward-left. A few other cracks. Bottom of CMP inlet is rusted away with water staining down forward-left wingwall.

#### Culvert

### Inspector Comments - Waterway

#### Waterway Adequacy

##### **Channel Hydraulic Opening**

Sand bar at forward-right wingwall blocks <5%.

##### **Scour**

Probed in 2022 along spread footers with no problems found.

#### Channel

## Scour Critical