

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 4301714

Inventory Bridge Number: LAK 00002 16.560 R

Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

Sufficiency Rating: 81.3

Date Built: 7/1/1964

District: 12 Place Code (FIPS): PAINESVILLE

SR2 over GRAND RIVER

Type of Service on: HIGHWAY

APPROACH ITEMS

- c1. Approach Wearing Surface (EA)
- c2. Approach Slabs (SF)
- c3. Relief Joint (LF)
- c4. Embankment (EA) d
- c5. Guardrail (EA)
- N36. Safety Features:
Tr, Gr, Tm
- c6. Approach Summary

QTY.	condition state				cr
	1	2	3	4	TR
2	1.9	0.1			1.07
1500	1500				1.00
60	60				
4	4				1.00
4	4				1.00

36)B 1 36)C 1 36)D 1
(9-0) 9

DECK ITEMS

- c7.1 Floor/Slab (SF)
- c7.2 Edge of Floor/Slab (LF)
- c8. Wearing Surface (SF)
- c9. Curb/Sidewalk/Walkway (LF)
- c10. Median (LF)
- c11. Railing (LF)
- N36. Safety Features: Rail
- c12. Drainage (EA) d
- c13. Expansion Joint (LF) d
- N58. Deck Summary

QTY.	condition state				cr
	1	2	3	4	TR
9783.00	8706.3	978.3	97.8		1.29
530	530	0	0	0	
7950	7155	795			1.14
530	503.5	26.5			1.07

36)A 1
14 7 7 0 0 1.60
73.8 70.1 3.7 0 0 1.07
(9-0) 9

SUPERSTRUCTURE ITEMS

- c14. Alignment (EA) d
- c15.1 Beams/Girders (LF)
- c15.2 Slab (SF)
- c16. Diaphragm/X-Frames (EA)
- c17. Stringers (LF)
- c18. Floorbeams (LF)
- c19. Truss Verticals (EA)
- c20. Truss Diagonals (EA)
- c21. Truss Upper Chord (EA)
- c22. Truss Lower Chord (EA)
- c23. Truss Gusset Plate (EA) d
- c24. Lateral Bracing (EA)
- c25. Sway Bracing (EA)
- c26. Bearing Devices (EA) d
- c27. Arch (LF)
- c28. Arch Column/Hanger (EA)
- c29. Arch Spandrel Walls (LF)
- c30. Prot. Coating System (LF) d
- c31. Pins/Hangers/Hinges (EA) d
- c32. Fatigue (LF) d
- N59. Superstructure Summary

QTY.	condition state				cr
	1	2	3	4	TR
3	2.7	0.3			1.14
1325	993.8	265	66.3	0	1.80
84	75.6	4.2	4.2	0	1.68
0.00					
1325	0	649.3	662.5	13.3	3.00
0	NaN	0	0	0	

(9-0) 7

SUBSTRUCTURE ITEMS

- c33. Abutment Walls (LF)
- c34. Abutment Caps (LF)
- c35. Abut. Columns/Bents (EA)
- c36. Pier Walls (LF)
- c37. Pier Caps (LF)
- c38. Pier Columns/Bents (EA)
- c39. Backwalls (LF)
- c40. Wingwalls (EA)
- c42. Scour (EA) d
- c43. Slope Protection (EA) d
- N60. Substructure Summary

QTY.	condition state				cr
	1	2	3	4	TR
78.57	74.7	3.9			1.07
0	NaN	0	0	0	
0.0	NaN	0	0	0	
28	28	0	0	0	1.00
78.57	77.8		0.8		1.17
0.00	0.00				
78.57	62.8	7.9	7.9		2.06
4	3.6	0.2	0.2	0	1.68
4		4			2.00
2	2	0	0	0	1.00

(9-0) 6

CULVERT ITEMS

- c44. General (LF)
- c45. Alignment (LF) d
- c46. Shape (LF) d
- c47. Seams (LF) d
- c48. Headwall/Endwall (LF)
- c49. Scour (LF) d
- c50. Abutments (LF)
- N62. Culvert Summary

QTY.	condition state				cr
	1	2	3	4	TR

(9-0) N

CHANNEL ITEMS

- c51. Alignment (LF) d
- c52. Protection (LF) d
- c53. Hydraulic Opening (EA) d
- c54. Navigation Lights (EA) d
- N61. Channel Summary

QTY.	condition state				cr
	1	2	3	4	TR
200.00	200.00				1.00
200.00	200.00				1.00
4	0	4	0	0	2.00

(9-0) 6

SIGN/UTILITY ITEMS

- c55. Signs (EA) d
- c56. Sign Supports (EA) d
- c57. Utilities (LF) d

QTY.	condition state				cr
	1	2	3	4	TR
2	2	0	0	0	1.00
0.0	NaN	0	0	0	

(9-0) 6

General Appraisal

N41. Operating Status

Inspector Name Persanyi, Andrea
Inspection Date/Type 12/11/2014 Routine and Underwater
PE Number
Reviewer Name Seif, Youssef
Review Date 01/30/2015
PE Number 59487

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION FIELD REPORT**

Structure File Number: 4301714

Inventory Bridge Number: LAK 00002 16.560 R

Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

Sufficiency Rating: 81.3

Date Built: 7/1/1964

District: 12 Place Code (FIPS): PAINESVILLE

SR2 over GRAND RIVER

Type of Service on: HIGHWAY

Key: "Qty" = Quantity for Element Level inspection; "(LF)" = Linear Feet; "(SF)" = Square Feet; "(EA)" = Each or count; "CR" = 1-4 Condition Rating or average of worst span unless Summary item 9-0, then the average of entire bridge influenced by the bold boxes; "TR" = Transition Rating or weighted average of condition states; "d" = dedicated or specific chart and guidance, all others use Material specific chart/guidance; "c" = condition prefix; "N" = NBIS rating

Inspection Procedures

Comments

APPROACH

c1. Approach Wearing Surface

INSPECTED WITH DB IN 2014.

A FEW CRACKS. MINOR BREAK UP @ FORWARD EXJT IN LANE #1.

DECK

c7.1 Floor/Slab

TRANSVERSE CRACKS. APPROX 35 SF OF DELAMS & 15 SF OF SPALLS (MOSTLY HAUNCH).

c8. Wearing Surface

TRANSVERSE & LONGITUDINAL CRACKS AS WIDE AS 1/8". <5% DELAMINATED. SMALL ASPHALT PATCH IN LANE #2.

c11. Railing

VERTICAL CRACKS.

c12. Drainage

SPRAY FROM DOWNSPOUT ENDS WHICH ARE 3.5" BELOW BOTTOM FLANGES IS BEING BLOWN ONTO LOWER FLANGES. RUSTING SECTION LOSS & A FEW RUSTED THRU HOLES IN BOTTOMS OF DOWNSPOUTS.

c13. Expansion Joint

A FEW GOUGES. 2.5' OF REAR RISER BAR CUT OUT IN LANE #2.

SUPERSTRUCTURE

c14. Alignment

LOWER FLANGE OF RIGHT FASCIA BEAM IS SLIGHTLY WARPED IN SPAN 1 (COLLISION DAMAGE).

c15.1 Beams/Girders

SOME AREAS OF RUSTING SECTION LOSS (HEAVY @ BEAM ENDS). SCRAPES TO LOWER FLANGES OF BEAMS 4 & 5 IN SPAN 3. 2007 QAR STICKER.

c16. Diaphragm/Cross Frames

ENDFRAME RUSTING SECTION LOSS. BENT HORIZONTAL ANGLE IN BAY 1

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION FIELD REPORT**

Structure File Number: 4301714

Inventory Bridge Number: LAK 00002 16.560 R

Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

Sufficiency Rating: 81.3

Date Built: 7/1/1964

District: 12 Place Code (FIPS): PAINESVILLE

SR2 over GRAND RIVER

Type of Service on: HIGHWAY

NEAR FORWARD ABUTMENT.

c26. Bearing Devices

RUSTING, SOME HEAVY. PACK RUST.

c30. Protective Coating System

RUSTING THRU OUT, WORSE @ LOWER FLANGES. PCS FAILING @ BEAM ENDS.

SUBSTRUCTURE

c33. Abutment Walls

CRACKS. SOME RUST STAINS.

c37. Pier Caps

SPALL ON REAR SIDE OF P1.

c39. Backwalls

DELAMS. CRACKS & SPALLS, MOSTLY NEAR TOPS. SCALING @ FORWARD.

c40. Wingwalls

A FEW CRACKS & SPALLS. SCALING.

c42. Scour

P1=AS MUCH AS 2" OF FOOTING EXPOSURE ALONG ENTIRE EAST FACE. TOP OF FOOTER IS EXPOSED ON ALL SIDES. P2=AS MUCH AS 2" OF FOOTING EXPOSURE STARTING @ DOWNSTREAM NOSE & CONTINUING 4' UP WEST FACE. NO UNDERMINING.

CHANNEL

c53. Hydraulic Opening

EVIDENCE OF FLOWING FULL. LARGE LOGS SNAGGED ON UPSTREAM NOSE OF P2.