

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 4300181

Inventory Bridge Number: LAK 00002 01.050 R

Bridge Type: 1 - CONCRETE/1 - SLAB/2 - CONTINUOUS

Sufficiency Rating: 59.7

Date Built: 7/1/1962

District: 12 Place Code (FIPS): WICKLIFFE

SR 2 over WORDEN RD

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)

QTY.	condition state				cr
	1	2	3	4	TR
2	1	1			1.60
2700	2565	135	0	0	1.07
108	108				1.00
4	4				1.00
4	4	0	0	0	1.00

N36. Safety Features:
Tr, Gr, Tm

36)B 1 36)C 1 36)D 1
(9-0) 7

c6. Approach Summary

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)

QTY.	condition state				cr
	1	2	3	4	TR
7392	1848	3696	739.2	1108.	4.00
264	237.6	13.2	13.2	8	1.68
7128	7128				1.00
	NaN	0	0	0	
264	248.2	13.2	2.6		1.23

N36. Safety Features: Rail

36)A 1

10.0	10	0	0.0		1.00
112	112	0	0	0	1.00
					(9-0) <u>5</u>

c12. Drainage (EA) d

c13. Expansion Joint (LF) d

N58. Deck Summary

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

QTY.	condition state				cr
	1	2	3	4	TR
3	3	0	0	0	1.00
	NaN	0	0	0	
7392	1848	3696	739.2	1108.	4.00
				8	
0.00					
0.00	0.00				
0.0	0				
					(9-0) <u>5</u>

N59. Superstructure Summary

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
112.43	61.8	33.7	16.9		2.34
	NaN	0	0	0	
	NaN	0	0	0	
	NaN	0	0	0	
112.4	106.8	5.6			1.07
10.0	1	9			1.93
4	2	0	2	0	3.00
2	0	2	0	0	2.00
					(9-0) <u>6</u>

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) <u>N</u>

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
					(9-0) <u>N</u>

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	1	0	0	1	3.00
	NaN	0	0	0	
112.4	112.4	0	0	0	1.00
					(9-0) <u>5</u>
					<u>A</u>

General Appraisal

N41. Operating Status

Inspector Name Banaszak, Ken
Inspection Date/Type 08/09/2016 Routine
PE Number
Reviewer Name Seif, Youssef
Review Date 09/02/2016
PE Number 59487

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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 2016.
SEALED CRACKS. A FEW ASPHALT PATCHES ALONG REAR SLAB.

c2. Approach Slabs

A FEW CRACKS. AREA OF MINOR CONCRETE BREAK UP IN FORWARD LANE
#1.

DECK

c7.1 Floor/Slab

SEE SLAB COMMENTS.

c7.2 Edge of Floor/Slab

CRACKS. DELAMS. SPALLS WITH MINOR REBAR EXPOSURE. SECTION OF
REBAR CUT OUT FROM RIGHT DECK EDGE.

c11. Railing

VERTICAL CRACKS. SPALLS TO OUTSIDE OF RAILINGS NEAR ABUTMENTS.

c12. Drainage

RUSTING SECTION LOSS WITH THRU HOLES TO DOWNSPOUTS.

SUPERSTRUCTURE

c15.2 Slab

HEAVY SPALLING WITH 180° & 360° EXPOSURE OF LONGITUDINAL REBAR
(WITH RUSTING SECTION LOSS) ALONG BOTH ABUTMENTS & THE
LONGITUDINAL CONSTRUCTION JOINT IN ALL SPANS (SEALER PREVIOUSLY
APPLIED TO REBAR IS STARTING TO RUST AGAIN). 8' OF LONGITUDINAL
REBAR IS MISSING ALONG THE LONGITUDINAL CONSTRUCTION JOINT IN
SPAN 3. LEACHING CRACKS. A FEW DELAMS. 2/3 OF SPAN 2 IS MOTTLED.
NOTE: SPANS 1 & 2 SOUNDED / MARKED IN 4/2016. SPALLS FORMING OVER
TRAFFIC: NEAR NORTH EDGE OVER NB & SB LANES, NEAR SOUTH EDGE
OVER NB LANE, ON NORTH RAIL (ON BOTH SIDES OF P2 CAP) OVER EAST
SIDEWALK, IN SPAN 3 BETWEEN P2C3 & C4 OVER EAST SIDEWALK.

SUBSTRUCTURE

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c33. Abutment Walls

LEACHING CRACKS WITH EFFLORESCENCE & RUST STAINS. DELAMS.
MINOR LEAKING. CONCRETE REPAIRS WITH EPOXY SEALER.

c38. Pier Columns/Bents

A FEW CRACKS. SPALLS / DETERIORATION @ BASES OF SOME COLUMNS.
DELAMS ON P1C1 & P2C3.

c37. Pier Caps

A FEW CRACKS.

c40. Wingwalls

SPALLS & DELAMS TO REAR-RIGHT & FORWARD-LEFT WINGWALLS.

c43. Slope Protection

A FEW MINOR DELAMS & SPALLS. FORWARD SLOPE HAS SLID AS MUCH AS
5".