

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1805495

Inventory Bridge Number: CUY 00071 18.480

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

Sufficiency Rating: 34.0

Date Built: 7/1/1969

District: 12 Place Code (FIPS): CLEVELAND

BUHRER PED. BRIDGE over BUHRER PED BRIDGE Type of Service on: PEDESTRIAN-BICYCLE

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
4					1
36)B <u> </u> N 36)C <u> </u> N 36)D <u> </u> N					(9-0) 7

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
3464					3
866					3
0					3
866					3
36)A <u> </u> N					
0.0					1
					1
N58. Deck Summary					(9-0) 4

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
5					1
0.0					1
0.0					1
0.0					1
0.0					2
N59. Superstructure Summary					(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
16					1
32					1
4					1
16					2
0.0					2
0.0					1
N60. Substructure Summary					(9-0) 7

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
N62. Culvert Summary					(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
N61. Channel Summary					(9-0) N

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
0.0					2
General Appraisal					(9-0) 7
N41. Operating Status					A

General Appraisal

N41. Operating Status

Inspector Name Sutak, Mike
Inspection Date/Type 02/26/2019 Routine
PE Number
Reviewer Name Seif, Youssef
Review Date 04/24/2019
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

A COURTESY IN-DEPTH INSPECTION WAS PERFORMED IN 2015.

Comments

APPROACH

c1. Approach Wearing Surface

SPALLS IN REAR.

DECK

c7.1 Floor/Slab

NOTE: TIMBER SUB-DECKED OVER TRAFFIC. TRANSVERSE LEACHING CRACKS @ 30' SPACING. 5% MOTTLED. RUST STAINS. 50+ SF OF SPALLS, INCLUDING DECK EDGE. FLOOR IS >20% DETERIORATED.

c7.2 Edge of Floor/Slab

MANY SPALLS. A FEW DELAMS. DECK EDGE SPALLS FORMING OVER TRAFFIC: NORTH EDGE OVER RAMP LANE FROM 176 NORTH TO 490/77 & SOUTH EDGE OVER LANE 1 FROM RAMP FROM 490 WEST TO 71 SOUTH.

c8. Wearing Surface

MANY CRACKS. >20% DELAMINATED. APPROX 40 SF OF SHALLOW SPALLS. WS IS >20% DETERIORATED.

c11. Railing

24' OF MIDDLE RAIL OF LEFT FENCE IS MISSING IN SPAN 1 (OVER REAR SLOPE). TWO HOLES IN FORWARD-LEFT FABRIC. NOTE: MORE THAN 1/2 OF THE FENCE POST ANCHORS ARE EXPOSED BY EXTERIOR SPALLS.

SUPERSTRUCTURE

c14. Alignment

APPROX 2" SAG IN LOWER FLANGE OF BOTH BEAMS @ REAR FIELD SPLICE IN SPAN 2.

c15.1 Beams/Girders

RUSTING SECTION LOSS TO AREAS OF THE LOWER FLANGES. PACK RUST IN BOLTED SPLICE CONNECTION OF LEFT (NORTH) BEAM IN SPAN 4.

c26. Bearing Devices

RUST.

c30. Protective Coating System

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PEELING PAINT. 5% RUST. FADED PAINT. PCS IS 5-10% DETERIORATED.

SUBSTRUCTURE

c38. Pier Columns/Bents

NOTE: P3 IS FIBER-WRAPPED. 10 SF OF DELAMS ON P2.

c37. Pier Caps

RUST STAINS. LEACHING CRACKS & SMALL DELAMS ON P1 & P4 CAPS.

c39. Backwalls

LEACHING CRACKS. SPALLS. MINOR HONEYCOMBING.

c40. Wingwalls

LEACHING CRACKS. CHEEK WALL DELAMS.