STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1805495

Inventory Bridge Number: CUY 00071 18.480

Sufficiency Rating: 34.0

District: 12 Place Code (FIPS): CLEVELAND

Date Built: 7/1/1969

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

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

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

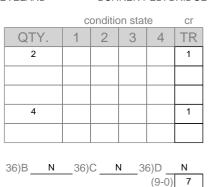
c13. Expansion Joint (LF) d

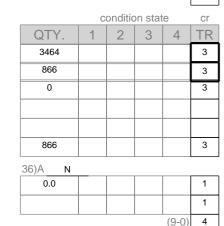
N58. Deck Summary

SUPERSTRUCTURE IT

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) c 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) c31. Pins/Hangers/Hinges (EA c32. Fatigue (LF) d

N59. Superstructure Summary





		condition state				cr
EMS	QTY.	1	2	3	4	TR
	5					1
	0.0					1
	0.0					1
	0.0					1
d	0.0					2
d						
1		1		1	(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

c43. Slope Protection (EA) d

N60. Substructure Summary

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

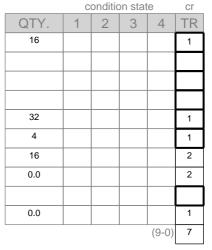
CHANNEL ITEMS

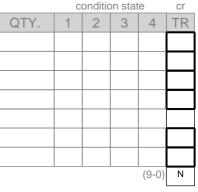
c51. Alignment (LF) d c52. Protection (LF) d c53. Hydraulic Opening (EA) d c54. Navigation Lights (EA) d N61. Channel Summary

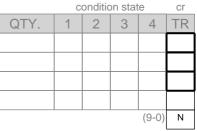
SIGN/UTILITY ITEMS

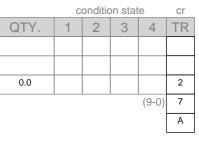
c55. Signs (EA) d c56. Sign Supports (EA) d c57. Utilities (LF) d **General Appraisal** N41. Operating Status

Inspector Name Inspection Date/Type 02/26/2019 **PE Number Reviewer Name Review Date PE Number**









Seif, Youssef 04/24/2019 59487

Routine

Sutak, Mike

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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.

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