

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1801740

Inventory Bridge Number: CUY 00014 06.200 N

Bridge Type: 1 - CONCRETE/5 - ARCH/5 - FILLED

Sufficiency Rating: 47.5

Date Built: 7/1/1928

District: 12 Place Code (FIPS): GARFIELD HEIGHTS

SR14 over MILL CREEK

Type of Service on: HIGHWAY-PEDESTRIAN

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	0	1.5	0.5		2.67
4	3	1			1.33
0.00	1	3	0	0	1.82
36)B <u> </u> N <u> </u> 36)C <u> </u> 0 <u> </u> 36)D <u> </u> 0					(9-0) 6

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
2404.15	0	1202.	1202.		3.00
100.00		1	1		2.00
		100.			
		00			
100		100			2.00
36)A <u> </u> 1					(9-0) 5
0.00	2	0	0	0	1.00
0.00	NaN	0	0	0	

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
1	1				1.00
0.00	95	5	0	0	1.07
0.00	NaN	0	0	0	
0.00	NaN	0	0	0	
0.00	NaN	0	0	0	
0.00					
0.00	12	24	12	0	2.62
96	62.4	24	9.6	0	2.13
N59. Superstructure Summary					(9-0) 5

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
143.94	129.5	14.4			1.14
143.94	NaN	0	0	0	
0.00	NaN	0	0	0	
0	NaN	0	0	0	
0	11.4	0.6	0	0	1.07
0.00	1.9	0.1	0	0	1.07
0.00	3.6	0.4	0	0	1.14
2	1.8	0.2			1.14
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
200.00		200.			1.00
200.00	200	0			1.00
1		1			2.00
N61. Channel Summary					(9-0) 5

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
0.00	2	0	0	0	1.00
0.00	NaN	0	0	0	
0.00	0.00				
General Appraisal					(9-0) 5
N41. Operating Status					A

General Appraisal

N41. Operating Status

Inspector Name Sutak, Mike
Inspection Date/Type 12/11/2014 Routine
PE Number _____
Reviewer Name Seif, Youssef
Review Date 01/29/2015
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

LAST DIVER INSPECTION IN 2006.

Comments

APPROACH

c1. Approach Wearing Surface

CRACKS. MINOR RUTTING. ROUGH ASPHALT PATCHES IN SOUTHBOUND LANES OF BOTH APPROACHES.

c4. Embankment

MINOR UNDERMINING OF THE SIDEWALK AT THE SOUTHEAST EMBANKMENT. LARGE SYCAMORE TREE GROWING AT FORWARD RIGHT.

c5. Guardrail

GUARDRAIL ATTACHED TO FORWARD LEFT ONLY.

DECK

c8. Wearing Surface

ROUGH ASPHALT PATCHES THROUGHOUT SOUTHBOUND LANES. SHALLOW RUTTING IN WHEEL LINES.

c9. Curb/Sidewalk/Walkway

CRACKS. SCALING. DIRT AND DEBRIS.

c11. Railing

HAIRLINE CRACKING AND SPALLS IN THE CONCRETE BALUSTERS.

SUPERSTRUCTURE

c15.1 Beams/Girders

TRANSVERSE HAIRLINE CRACKING IN SIDEWALK BAYS SPACED AT 4'.

c27. Arch

LARGE SPALLS ALONG ARCH FASCIAS/SPANDREL WALLS. SEVEN REINFORCING BARS WITH COMPLETE SECTION LOSS AND/OR LOSS OF DEVELOPMENT AT LAP SPLICE.

c29. Arch Spandrel Walls

SPALLS ALONG BOTTOM EDGE OF EAST SPANDREL OVER ARCH. LONGITUDINAL LEACHING CRACKS OVER ARCH ALONG WEST SPANDREL.

SUBSTRUCTURE

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c33. Abutment Walls

LEACHING CRACKS EXTENDING FROM THE RIGHT SIDEWALK GIRDER AT BOTH ABUTMENTS.

c38. Pier Columns/Bents

PIERS SUPPORT UTILITIES AND LEFT SIDEWALK.

c40. Wingwalls

LEACHING CRACKS. 1/8" WIDE LEACHING CRACK IN REAR RIGHT WINGWALL.

c42. Scour

A 3'-6" DEEP SCOUR HOLE AT SOUTHEAST CORNER OF THE ARCH.

CHANNEL

c51. Alignment

S CURVE BEFORE BRIDGE CAUSES STREAM TO FLOW INTO FORWARD ABUTMENT. DUMP ROCK IN PLACE HERE.

c52. Protection

EROSION FROM STREAM FLOWING ALONG GABION BASKET CHANNEL PROTECTION UPSTREAM FROM BRIDGE.

c53. Hydraulic Opening

BRANCHES STUCK INTO RAILING, PIERS AND UTILITIES ON LEFT SIDE INDICATES OCCASIONAL OVER TOPPING. GRAVEL BARS IN STREAM BED.