

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1801775

Inventory Bridge Number: CUY 00014 06.700 N

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

Sufficiency Rating: 67.0

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	2			2.00
4	4				1.00
4	3	1	0	0	1.33
36)B <u> 1 </u> 36)C <u> 1 </u> 36)D <u> 1 </u>					(9-0) <u> 6 </u>

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
2788.81		2788.81			2.00
150	75	75		0	1.60
150	112.5	30	7.5	0	1.80
36)A <u> 1 </u>					(9-0) <u> 6 </u>
2	1	1	0	0	1.60
0.00					

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
156	148.2	7.8	0	0	1.07
0.00					
0.0	NaN	0	0	0	
0.0	NaN	0	0	0	
48	30.7	14.4	2.4	0.5	2.10
150	120	30	0	0	1.27
N59. Superstructure Summary					(9-0) <u> 5 </u>

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
125.83	119.5	6.3			1.07
0.0	NaN	0	0	0	
0.00					
4	4		0	0	1.00
2	0	2	0	0	2.00
N60. Substructure Summary					(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
0					
N62. Culvert Summary					(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
200.00		200.00			
1		1			2.00
N61. Channel Summary					(9-0) <u> 6 </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	100	0	0	0	1.00
0.00					
58	100	0	0	0	1.00
General Appraisal					(9-0) <u> 5 </u>
N41. Operating Status					<u> A </u>

General Appraisal

N41. Operating Status

Inspector Name Sutak, Mike
Inspection Date/Type 06/24/2015 Routine
PE Number _____
Reviewer Name Seif, Youssef
Review Date 09/03/2015
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

Comments

APPROACH

c1. Approach Wearing Surface

INSPECTED WITH MG.
CRACKS. ASPHALT PATCHES, WHEEL RUTS.

c5. Guardrail

2/5 BOLTS ON THE FORWARD LEFT BTA ARE BROKEN OFF.

DECK

c8. Wearing Surface

CRACKS. ASPHALT PATCHES, WHEEL RUTS. WS IS 1-5% DETERIORATED.

c9. Curb/Sidewalk/Walkway

CRACKS, A FEW SPALLS, SCALING. THICK DEBRIS ON LEFT SIDEWALK.

c11. Railing

CRACKS, DELAMINATIONS, A FEW SPALLS WITH REBAR EXPOSURE.

c12. Drainage

HEAVY DEBRIS ON LEFT SIDEWALK AND CURB.

SUPERSTRUCTURE

c15.1 Beams/Girders

CONCRETE EMBEDDED TRUSSES THAT SUPPORT SIDEWALKS AND RAILINGS HAVE A FEW SPALLS WITH EXPOSED REBAR AND DELAMINATIONS.

c27. Arch

APPROXIMATELY 40 SF OF SPALLS, 30 SF OF DELAMS. LONG CRACKS WITH EFFLORESCENCE. 360 DEGREE REBAR EXPOSURE TO EDGES. DEEP DETERIORATION BETWEEN TOP OF ARCH AND BASE OF LEFT SPANDREL WALL NEAR UTILITY ANCHOR AND AT RIGHT EDGE NEAR FORWARD ABUTMENT.

c29. Arch Spandrel Walls

MINOR SPALLS AND DELAMINATIONS.

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SUBSTRUCTURE

c33. Abutment Walls

CRACKS, DELAMS.

c40. Wingwalls

CRACKS.

c42. Scour

PROBING INDICATES 4' SCOUR HOLE NEAR RIGHT END OF FORWARD ABUTMENT (DUMPED ROCK AT FORWARD RIGHT ABUTMENT IS STILL PROTECTING ABUTMENT) 10" OF REAR LEFT PIER FOOTING IS EXPOSED TO FLOWING WATER (FOOTING SUPPORTS NORTH SIDEWALK AND UTILITIES.) PROBING INDICATES NO UNDERMINING, FOOTINGS ON ROCK.

CHANNEL

c51. Alignment

WATER FLOWS INTO FORWARD RIGHT SPANDREL WALL.

c53. Hydraulic Opening

DEBRIS CAUGHT IN UTILITIES SUPPORT BEAM. SEDIMENT/ROCK ISLAND @ FORWARD LEFT ABUTMENT.