

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 2801655

Inventory Bridge Number: GEA 00422 09.860 L

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

Sufficiency Rating: 99.3

Date Built: 7/1/1960

District: 12 Place Code (FIPS): AUBURN TWP

USR422 over LA DUE RES. 0.71 MI E 44

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)
- N36. Safety Features:
Tr, Gr, Tm
- c6. Approach Summary

QTY.	condition state				cr
	1	2	3	4	TR
2	0	2			2.00
1900	1501	380	19	0	1.41
4	4				1.00
4	4	0	0	0	1.00
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
9093.26	8638.	454.7			1.07
440	440	0	0	0	1.00
8360	7942	418			1.07
440	347.6	88	4.4		1.41
36)A <u>1</u>					
2	1	0	1	0	3.00
82	0	41	41	0	3.00
					(9-0) <u>7</u>

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
4	4				1.00
1320	0	1254	66	0	2.24
100	0	95	5	0	2.24
0.00					
1320	0	1240.	66	13.2	2.40
		8			
1320	1320	0	0	0	1.00
					(9-0) <u>6</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
82.67	62.1	16.5	4.1		1.80
0.0	NaN	0	0	0	
0.0	NaN	0	0	0	
0.0	NaN	0	0	0	
124.00	116.6	6.2	1.2		1.23
12	9	3	0	0	1.33
82.67	73.6	8.3	0.8		1.29
4	4	0	0	0	1.00
5	5				1.00
2	2	0	0	0	1.00
					(9-0) <u>7</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
200.00	200.				1.00
	00				
200.00	200.				1.00
	00				
5	5	0	0	0	1.00
					(9-0) <u>8</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	2	0	0	0	1.00
0.0	NaN	0	0	0	
					(9-0) <u>6</u>
					<u>A</u>

General Appraisal

N41. Operating Status

Inspector Name Sutak, Mike
Inspection Date/Type 10/06/2015 Routine
PE Number
Reviewer Name Seif, Youssef
Review Date 11/20/2015
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 DB IN 2015.
CRACKS. MINOR BREAKING UP AREAS.

c2. Approach Slabs

LONG CRACKS. 1 SF SPALL @ FORWARD.

DECK

c7.1 Floor/Slab

A FEW TRANSVERSE CRACKS.

c8. Wearing Surface

CRACKS.

c11. Railing

2 SF SPALL TO INSIDE OF RIGHT RAILING @ EMBEDDED WOOD 2 X 4 (SPAN #3). LEACHING VERTICAL CRACKS.

c12. Drainage

PONDING ON SLAB @ FORWARD-LEFT & RIGHT.

c13. Expansion Joint

FORWARD SEAL IS LEAKING IN BAYS 2-5. THE EPOXY RESIN USED TO FILL THE VOID LEFT BY THE REMOVAL OF PART OF THE FORWARD BACKWALL EXJT ARMOR HAS CRACKED & SOME OF THE RESIN HAS POPPED OUT. THE DECK SIDE IS 1.5" LOWER THAN THE SLAB SIDE @ THE FORWARD JOINT. GOUGES IN BOTH BACKWALL ARMOR. MINOR SPALLS TO EXJT HEADERS.

SUPERSTRUCTURE

c15.1 Beams/Girders

SURFACE RUST, MOSTLY TO LOWER FLANGES. RUSTING SECTION LOSS @ BOTH ABUTMENTS & EXTERIORS OF FASCIA BEAMS (WORST IS RIGHT FASCIA @ P1).

c16. Diaphragm/Cross Frames

SURFACE RUST. ENDFRAME RUSTING SECTION LOSS. TWO CRACKED

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ENDFRAME WELDS @ FORWARD ABUTMENT (ONE @ BEAM 5 AND ONE @ BEAM 6). REAR ENDFRAMES 3-5 AND FORWARD ENDFRAME 5 ARE BENT.

c26. Bearing Devices

SURFACE RUST. RUSTED SECTION LOSS.

c30. Protective Coating System

PEELING & FADED PAINT. RUST.

c32. Fatigue

WELDED MOMENT PLATES @ PIERS.

SUBSTRUCTURE

c33. Abutment Walls

LEACHING CRACKS. RUST STAINS. APPROX 15 SF OF SPALLS & DELAMS (LARGE SPALL WITH EXPOSED REBAR IN FORWARD BAY 5).

c38. Pier Columns/Bents

RUSTING SECTION LOSS OF STEEL & SCALING OF CONCRETE @ WATERLINE.

c37. Pier Caps

CRACKS. TWO MINOR SPALLS ON RIGHT END OF P1 CAP.

c39. Backwalls

CRACKS. RUST STAINS.

c42. Scour

DIVE INSPECTION BY GPI IN 2014.

CHANNEL

c53. Hydraulic Opening

WATER DEPTH @ NORTH END OF P2 = 12.5'.

REFERENCE POINT IS TOP OF P2 CAP TO WATER SURFACE = 8'.