

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 2801744

Inventory Bridge Number: GEA 00422 09.860 R

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	475	1425	0	0	1.82
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
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	2	0	0	0	1.00
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	1267.	39.6	13.2	2.33
		<u> 2 </u>			
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	12.4	8.3		2.08
0.0	NaN	0	0	0	
0.0	NaN	0	0	0	
0.0	NaN	0	0	0	
124.00	117.8	6.2			1.07
12	9	3	0	0	1.33
82.67	74.4	8.3			1.14
4	4	0	0	0	1.00
5	5				1.00
2	1	1	0	0	1.60
					(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
					(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
	<u> 00 </u>				
200.00	200.				1.00
	<u> 00 </u>				
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. ASPHALT PATCHES @ FORWARD.

c2. Approach Slabs

FULL WIDTH CRACKS @ FORWARD. BOUNCE ONTO BRIDGE FROM WEST.

c5. Guardrail

MINOR COLLISION DAMAGE TO REAR-LEFT.

DECK

c7.1 Floor/Slab

A FEW TRANSVERSE CRACKS. AREAS OF MAP CRACKS.

c8. Wearing Surface

CRACKS.

c11. Railing

VERTICAL CRACKS. COLLISION SPALL & DELAMS ON LEFT RAIL. OTHER SHALLOW SPALLS.

c12. Drainage

MINOR DEBRIS WITH VEGETATION @ FORWARD-RIGHT.

c13. Expansion Joint

DECK SIDE OF REAR JOINT IS 3/4" LOWER THEN APPROACH SLAB SIDE.
FORWARD BACKWALL ARMOR IS GOUGED & CRACKED WITH 6" OF MISSING ARMOR. LEAKING SEALS (DEBRIS ON BOTH ABUTMENT SEATS). APPROX 32" OF SEAL FALLING THRU @ FORWARD. 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.

c16. Diaphragm/Cross Frames

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SURFACE RUST. ENDFRAME RUSTING SECTION LOSS. CRACKS & RUSTING THRU HOLES TO ENDFRAMES @ BOTH ABUTMENTS (BEAMS 1, 3, 4 & 5 @ REAR AND BEAM 5 @ FORWARD).

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 25 SF OF DELAMS & SPALLS. (LARGE SPALLS WITH EXPOSED REBAR @ FORWARD-LEFT. 2 SF BY 3" DEEP SPALL IN REAR BAY 1).

c38. Pier Columns/Bents

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

c37. Pier Caps

CRACKS.

c39. Backwalls

CRACKS.

c42. Scour

DIVE INSPECTION BY GPI IN 2014.

c43. Slope Protection

REAR-RIGHT ABUTMENT CORNER HAS MINOR FOOTING EXPOSURE.

CHANNEL

c53. Hydraulic Opening

WATER DEPTH @ NORTH END OF P2 = 11'4".

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