

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 4301110

Inventory Bridge Number: LAK 00002 11.410

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

Sufficiency Rating: 69.6

Date Built: 7/1/1961

District: 12 Place Code (FIPS): MENTOR

HENDRICKS RD over HENDRICKS RD

Type of Service on: HIGHWAY

APPROACH ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c1. Approach Wearing Surface (EA)	2					2
c2. Approach Slabs (SF)	0					1
c3. Relief Joint (LF)						
c4. Embankment (EA) d	4					1
c5. Guardrail (EA)	0.0					1
N36. Safety Features: Tr, Gr, Tm						
c6. Approach Summary						

36)B 1 36)C 1 36)D 1
(9-0) 6

DECK ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c7.1 Floor/Slab (SF)	8553.9					3
c7.2 Edge of Floor/Slab (LF)	564					1
c8. Wearing Surface (SF)	6768					1
c9. Curb/Sidewalk/Walkway (LF)	564.0					2
c10. Median (LF)						
c11. Railing (LF)	564					1

N36. Safety Features: Rail

	condition state					cr
	QTY.	1	2	3	4	
c12. Drainage (EA) d	0.0					2
c13. Expansion Joint (LF) d	0.0					2

N58. Deck Summary

36)A 1
(9-0) 4

SUPERSTRUCTURE ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c14. Alignment (EA) d	4					1
c15.1 Beams/Girders (LF)	0.0					2
c15.2 Slab (SF)						
c16. Diaphragm/X-Frames (EA)	0.0					2
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	0.0					1
c27. Arch (LF)						
c28. Arch Column/Hanger (EA)						
c29. Arch Spandrel Walls (LF)						
c30. Prot. Coating System (LF) d	0.0					1
c31. Pins/Hangers/Hinges (EA) d						
c32. Fatigue (LF) d	0.0					1

N59. Superstructure Summary

(9-0) 6

SUBSTRUCTURE ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c33. Abutment Walls (LF)	70.8					1
c34. Abutment Caps (LF)	0.0					
c35. Abut. Columns/Bents (EA)	0.0					
c36. Pier Walls (LF)	0.0					
c37. Pier Caps (LF)	106.2					1
c38. Pier Columns/Bents (EA)	0.0					1
c39. Backwalls (LF)	70.8					1
c40. Wingwalls (EA)	0.0					1
c42. Scour (EA) d						
c43. Slope Protection (EA) d	0.0					1
N60. Substructure Summary						

(9-0) 7

CULVERT ITEMS

	condition state					cr
	QTY.	1	2	3	4	
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						

(9-0) N

CHANNEL ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c51. Alignment (LF) d						
c52. Protection (LF) d						
c53. Hydraulic Opening (EA) d						
c54. Navigation Lights (EA) d						
N61. Channel Summary						

(9-0) N

SIGN/UTILITY ITEMS

	condition state					cr
	QTY.	1	2	3	4	
c55. Signs (EA) d	0.0					1
c56. Sign Supports (EA) d	0.0					
c57. Utilities (LF) d	0.0					2

(9-0) 6

General Appraisal

N41. Operating Status

Inspector Name	Sutak, Mike	
Inspection Date/Type	11/07/2018	Routine
PE Number		
Reviewer Name	Seif, Youssef	
Review Date	12/20/2018	
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

CRACKS ALONG REAR EXJT HEADER. ASPHALT PATCHES, CRACKS & MINOR BREAK UP ALONG FORWARD APPROACH SLAB.

c2. Approach Slabs

FULL LENGTH CRACK TO FORWARD AS WIDE AS 1/4". OTHER CRACKS.

c5. Guardrail

MINOR COLLISION DAMAGE TO FORWARD-LEFT.

DECK

c7.1 Floor/Slab

FLOOR HAS BEEN SUBDECKED. TRANSVERSE LEACHED CRACKS (MANY CRACKS HAVE MOTTLED AREAS). APPROX 200 SF OF SPALLS & 45 SF OF DELAMS. 1 FULL DEPTH REPAIR IN BAY 1. FLOOR IS 15-20% DETERIORATED.

c8. Wearing Surface

CRACKS. MAP CRACKING THRU OUT. DELAMINATIONS. WS IS <1% DETERIORATED.

c9. Curb/Sidewalk/Walkway

CRACKS. SCALING. DELAMS. MINOR SPALLS.

c11. Railing

A FEW DETERIORATED NUTS TO POSTS OF TUBE RAIL. NOTE: STAINLESS STEEL ANGLES BOLTED TO TOPS OF PARAPET WALL WITH FENCE FABRIC ATTACHED.

c12. Drainage

HEAVY RUSTING SECTION LOSS WITH AREAS OF THE CURB LEG OF THE BULB ANGLE DETACHED FROM BOTH WALKS, APPROX MID SPAN. DEBRIS IN BULB ANGLE.

c13. Expansion Joint

A FEW GOUGES. SOME BREAKING UP TO REAR HEADER. RUST SECTION LOSS WITH HOLES IN JOINT ARMOR AT BOTH ENDS.

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SUPERSTRUCTURE

c15.1 Beams/Girders

RUSTING SECTION LOSS, MOSTLY AT ABUTMENTS. SCRAPE IN LOWER FLANGE OF LEFT FASCIA OVER EB LANE #2 & 1/2" DEEP GOUGE OVER EB LANE #3. SCRAPES & SMALL GOUGES TO LEFT FASCIA OVER WB LANE #2.

c16. Diaphragm/Cross Frames

ENDFRAME RUSTING SECTION LOSS. DAMAGE TO REAR ENDFRAME #2.

c26. Bearing Devices

RUSTING SECTION LOSS.

c30. Protective Coating System

1-5% RUST (AREAS REACTIVATING). FADING. PAINT RUNS. PCS IS 1-5% DETERIORATED.

c32. Fatigue

WELDED COVER PLATES AT PIERS.

SUBSTRUCTURE

c33. Abutment Walls

A FEW CRACKS.

c38. Pier Columns/Bents

P3C1=2 SF DELAMINATION. NBIS QAR 2018 12-13.

c39. Backwalls

CRACKS. A FEW SPALLS.