

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1801244

Inventory Bridge Number: CUY 00008 02.260

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

Sufficiency Rating: 81.0

Date Built: 7/1/1985

District: 12 Place Code (FIPS): BEDFORD

SR 8 over SR-14&TNKRS CREEK&WLE RR

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	0		2.00
2600	2600	0	0	0	1.00
	NaN	0	0	0	1.00
4	2	2	0		1.60
4	2	1	1	0	2.56
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
106597.13	1009	5500	100		1.09
3214	3021	160	32.1	0	1.23
83564	7938	4178	5		1.07
3214.00	0	2572	642.8	0	2.60
	NaN	0	0	0	
3214	2571	482	161	0	1.76
36)A <u> 1 </u>					(9-0) <u> 7 </u>
84	15	44	25	0	2.69
331.5	0	293.5	34	4	2.55

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
11	11				1.00
11249	7874	2812	563	0	1.84
486	438	24	24	0	1.68
0.00					
84	70	0	14	0	2.29
11249	7874	2812	563	0	1.84
14	9	4	1	0	2.00
	NaN	0	0	0	
N59. Superstructure Summary					(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
132.67	116.6	13.3	2.7		1.42
	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
663.33	650	13.3			1.03
20	12	0	8	0	3.00
132.67	112.8	13.3	6.6		1.72
4	4	0	0	0	1.00
12	10	1	1		1.95
2	1	1	0	0	1.60
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
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	0	200	0		3.00
200.00			200.00		3.00
12	11	1	0	0	1.12
N61. Channel Summary					(9-0) <u> 4 </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
	NaN	0	0	0	
0.0	NaN	0	0	0	
General Appraisal					(9-0) <u> 6 </u>
N41. Operating Status					<u> A </u>

General Appraisal

N41. Operating Status

Inspector Name Persanyi, Andrea
Inspection Date/Type 11/20/2019 Routine
PE Number _____
Reviewer Name Seif, Youssef
Review Date 01/17/2020
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

SNOOPER INSPECTION OFF WEST SIDE ON 8/23/2019

Comments

APPROACH

c1. Approach Wearing Surface

CRACKS AS WIDE AS 1/4" & AREA OF ASPHALT BREAK UP AT FORWARD. A FEW CRACKS AT REAR.

c2. Approach Slabs

PAVED OVER WITH ASPHALT.

c4. Embankment

UNEVEN SETTLEMENT TO FORWARD APPROACH WALKS WITH CRACKS & UNDERMINING TO FORWARD-RIGHT. NOTE: NO FILL BELOW REAR-RIGHT APPROACH WALK.

c5. Guardrail

MINOR COLLISION DAMAGE TO FORWARD-RIGHT GUARDRAIL. COMPRESSION SPALLS TO FORWARD-LEFT CONCRETE APPROACH RAIL.

DECK

c7.1 Floor/Slab

TRANSVERSE LEACHING CRACKS WITH STALACTITES. APPROX 15 SF OF SPALLS & 175 SF OF DELAMS. SPALLS FORMING OVER TRAFFIC: BAYS 2 & 6 OVER THE PARKWAY, BAYS 1-4 OVER BROADWAY AVE WB TRAFFIC, BAYS 3 & 6 OVER BROADWAY AVE EB TRAFFIC, BAY 2 OVER NORTH ACCESS ROAD IN CEMETERY.

c7.2 Edge of Floor/Slab

TRANSVERSE CRACKS, SOME LEACHING WITH STALACTITES.

c8. Wearing Surface

MANY TRANSVERSE CRACKS. A FEW SHALLOW SPALLS.

c9. Curb/Sidewalk/Walkway

LEACHING LONGITUDINAL & TRANSVERSE CRACKS. DETERIORATING CONCRETE ALONG STEEL CURB PLATES. SOME ISOLATED AREAS OF SEVERE SCALING. A FEW SECTIONS HEAVED UP AS MUCH AS 1".

c11. Railing

MANY CRACKS. SPALLS WITH EXPOSED REBAR. RUST STAINS. SOME FENCE POSTS HEAVED UP FROM CONCRETE AS MUCH AS 1". SOME LOOSE POSTS.

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AREAS OF DISCONNECTED TOP RAILS & DAMAGED FABRIC. RUSTING SECTION LOSS TO FENCE POSTS & RAILS WITH SOME RUST SEVERED.

c12. Drainage

25 PLUGGED & 44 PARTIALLY PLUGGED SCUPPERS ALONG BOTH BERMS. BELOW DECK DRAINAGE ON RIGHT SIDE OF P2 IS BROKEN & HANGING. OTHER AREAS OF CRACKED, BROKEN & MISALIGNED DOWNSPOUTS.

c13. Expansion Joint

AREAS OF TORN / LEAKING SEALS AT BOTH HINGES & BOTH EXJTS. LEFT SIDEWALK COVER PLATE AT SOUTH HINGE IS RUST WARPED. RIGHT CURB PLATES MISSING TO BOTH HINGES. RUSTING THRU HOLES TO OTHER CURB PLATES.

SUPERSTRUCTURE

c15.1 Beams/Girders

AREAS OF RUSTING SECTION LOSS, WORSE AT BEAM ENDS. BOTTOM FLANGE OF BEAM 3 WARPED IN SPAN 8. BOLT MISSING FROM SPLICE PLATE OF BEAM 2 IN SPAN 9. BROKEN GROUND STRAP TO RIGHT FASCIA IN SPAN 11.

c16. Diaphragm/Cross Frames

AREAS OF RUSTING SECTION LOSS TO ENDFRAMES & DIAPHRAGMS. HORIZONTAL ANGLES OF SOME XFRAMES BOWED AS MUCH AS 2".

c26. Bearing Devices

RUSTING SECTION LOSS TO ABUTMENT BEARINGS. NOTE: CABLE WRAPPED AROUND REAR BEARING 5.

c30. Protective Coating System

RUST & PEELING PAINT AT HINGES & BEAM ENDS WHERE WEATHERING STEEL HAS BEEN PAINTED. FLAKING ON EXTERIOR OF FASCIA BEAMS.

c31. Pins/Hangers/Hinges

RUSTING, MOSTLY AT FASCIAS.

SUBSTRUCTURE

c33. Abutment Walls

CRACKS, SOME LEACHING. MINOR SPALLS. RUST STAINS.

c38. Pier Columns/Bents

CRACKS. DELAMS. LARGE SPALLS WITH EXPOSED REBAR, SOME 360°. 2012 QAR STICKER 12-14, COVERED BY PAINT

c37. Pier Caps

A FEW LEACHING CRACKS TO P1 CAP. DELAM ABOVE P5C1. NOTE: GROUNDING CABLES BROKEN AT P4 & P9.

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c39. Backwalls

LEACHING CRACKS, SPALLS, SOME WITH EXPOSED REBAR & CONCRETE DETERIORATION TO OUTSIDE OF BACKWALLS AT FORWARD-LEFT & REAR-LEFT. OTHER LEACHING CRACKS.

c40. Wingwalls

CRACKS. MINOR SPALLS.

c42. Scour

TOP 2' OF NORTH FACE OF LEFT COLUMN FOOTING OF P4 EXPOSED TO AIR. TOP 8" OF RIGHT FACE OF RIGHT COLUMN FOOTING OF P5 EXPOSED TO AIR. NOTE: EXPOSED PIER FOOTERS ARE FOUNDED ON ROCK. SOIL ERODING BETWEEN COLUMNS OF PIER 4 ADJACENT TO CREEK BED.

c43. Slope Protection

EROSION TO FORWARD SLOPE WITH EXPOSED BROKEN PVC DRAINAGE LINE.

CHANNEL

c51. Alignment

CREEK FLOWS INTO LEFT COLUMN OF P4 & RIGHT COLUMN OF P5.

c52. Protection

MOST STONE PROTECTION HAS WASHED AWAY.

c53. Hydraulic Opening

DEBRIS & LARGE LOG CAUGHT ON P5 COLUMNS.