### STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1809008 Inventory Bridge Number: CUY 00090 29.100 Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

#### Sufficiency Rating: 84.0 Date Built: 7/1/1963 District: 12 Place Code (FIPS): EUCLID IR 90 OVER E. 260TH over SR 175 (1446) E 260 ST Type of Service on: HIGHWAY condition state **SUBSTRUCTURE ITEMS APPROACH ITEMS** QTY 3 4 TR 2 1.33 c1. Approach Wearing Surface (EA) 4 3 1 0 0 c33. Abutment Walls (LF) c2. Approach Slabs (SF) 5175 c34. Abutment Caps (LF) 6900 1725 0 0 1.33 c3. Relief Joint (LF) c35. Abut. Columns/Bents (EA) 4 4 1.00 c4. Embankment (EA) d c36. Pier Walls (LF) c5. Guardrail (EA) 4 2 2.56 c37. Pier Caps (LF) 1 1 0 N36. Safety Features: c38. Pier Columns/Bents (EA) Tr, Gr, Tm 36)B <u>1</u> 36)C <u>1</u> 36)D c39. Backwalls (LF) 6 (9-0)c6. Approach Summary c40. Wingwalls (EA) **DECK ITEMS** QTY c7.1 Floor/Slab (SF) 37772 c7.2 Edge of Floor/Slab (LF) 532 c8. Wearing Surface (SF) 37240 c9. Curb/Sidewalk/Walkway (LF) c10. Median (LF) 532 532 c11. Railing (LF) N36. Safety Features: Rail 36)A c12. Drainage (EA) d 4 c13. Expansion Joint (LF) d 276 N58. Deck Summary

**SUPERSTRUCTURE ITEMS** 

c14. Alignment (EA) d

c15.2 Slab (SF)

c17. Stringers (LF) c18. Floorbeams (LF)

c15.1 Beams/Girders (LF)

c19. Truss Verticals (EA)

c20. Truss Diagonals (EA)

c21. Truss Upper Chord (EA)

c22. Truss Lower Chord (EA)

c24. Lateral Bracing (EA)

c23. Truss Gusset Plate (EA) d

N59. Superstructure Summary

c16. Diaphragm/X-Frames (EA)

	condition state cr					c42. Scour (EA) d						
Y.	1	2	3	4	TR	c43. Slope Protection (EA) d	2	2	0	0	0	1.00
72	3206	5665	38		1.22	N60. Substructure Summary		(9-0)	6			
2	500	27	5		1.22	. too. Gazon actare Gammar,					` ′	
10	3536	1862	10		1.08	CULVERT ITEMS		С	onditio		e	cr
	-8-					<u> </u>	QTY.	1	2	3	4	TR
						c44. General (LF)						
<u>'</u>	399	133	0	0	1.33	c45. Alignment (LF) d						
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4						c46. Shape (LF) d						
1	3	1	0	0	1.33	c47. Seams (LF) d						
	_	'		-		c48. Headwall/Endwall (LF)						
6	218	41	14	3	2.04	c49. Scour (LF) d						
(9-0) 7				(9-0)	7	,						
` '						c50. Abutments (LF)	0					
condition state cr						N62. Culvert Summary (9-0)						N

condition state

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				(9-0)		c50. Abutments (LF)		0				
condition state cr					cr	N62. Culvert Summary						(9
QTY.	1	2	3	4	TR	·						•
5	5				1.00	<b>CHANNEL ITEMS</b>		071/			n stat	е
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						c52. Protection (LF) d						
464	-1	459	6	0	2.07	c53. Hydraulic Opening (E	(A) d					
0.00						c54. Navigation Lights (EA	· L					
0.00						N61. Channel Summary	, [					(9
						OLONIALTI LTV LTEM	•		CC	onditio	n stat	е
						SIGN/UTILITY ITEM	<u>s</u>	QTY.	1	2	3	4
						c55. Signs (EA) d		6	5	1	0	
						c56. Sign Supports (EA) d		8	8	0	0	
					Щ	c57. Utilities (LF) d		711.2	711.2	0	0	
						General Appraisal			'	'		(9
100	11	C1			1.00	N41. Operating Status						
108	44	61	3	0	1.90	Inspector Name (	Gerstenslager	, Michael				
						Inspection Date/Type (	18/23/2010	Routing				

c25. Sway Bracing (EA)							Ochoral Appraisa			(0 0)	
c26. Bearing Devices (EA) d	108	44	61	3	0	1.90	N41. Operating Status				Α
c27. Arch (LF)							Inspector Name	Gerstenslager,	, Michael		
c28. Arch Column/Hanger (EA)						Н	Inspection Date/Type	08/23/2019	Routine		
c29. Arch Spandrel Walls (LF)						Н	PE Number				
c30. Prot. Coating System (LF) d	4698	0	3476	1175	47	2.74	Reviewer Name	Seif, Youssef			
c31. Pins/Hangers/Hinges (EA) d							Review Date	09/27/2019			
c32. Fatigue (LF) d	4698	4698	0	0	0	1.00	PE Number	59487			
COZ. I aligue (Li ) u	4030	1000				1.00					—

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# STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION FIELD REPORT

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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.& ASPHALT PATCHES. AREAS OF BREAKING UP ASPHALT MAINLY TO FORWARD WB.

c2. Approach Slabs

PAVED OVER.

c5. Guardrail

CRACKS IN FORWARD-RIGHT CONCRETE APPROACH PARAPET. 2 SF SPALL TO EXTERIOR OF FORWARD LEFT PARAPET. COLLISION DAMAGE TO REAR LEFT.

**DECK** 

c7.1 Floor/Slab

TRANSVERSE LEACHED CRACKS AT 3' SPACING. MOTTLED AREAS. APPROX 20 SF OF SPALLS IN BAY 8. HAUNCH SPALLS FORMING OVER TRAFFIC: IN SOUTH BAY OVER THE MIDDLE LANE SOUTHBOUND.

c7.2 Edge of Floor/Slab

A FEW CRACKS. RUST STAINS. MINOR MOTTLED AREAS NEAR ABUTMENTS.

c8. Wearing Surface

A FEW CRACKS. MINOR DELAMS. APPROX 10 SF OF ASPHALT PATCHES. SMALL POP OUTS ALONG EXJTS. SHALLOW SPALL IN EB LANE 3. DETERIORATED ASPHALT PATCH WB IN LANE 3 NEAR FORWARD.

c10. Median

VERTICAL LEACHING CRACKS. COLLISION SCRAPES.

c11. Railing

VERTICAL & HORIZONTAL CRACKS. A FEW SPALLS & DELAMS. COLLISION SCRAPES.

c12. Drainage

DIRT ALONG LOW SPEED BERM WESTBOUND.

c13. Expansion Joint

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REAR STRIP SEAL HAS TEARS IN WB LANE #4 & LOW SPEED BERM (DEBRIS ON ABUTMENT SEAT IN REAR BAY 2). COLLISION DAMAGE TO FORWARD WB ARMOR WITH TORN SEAL IN LANE 3 (MINOR DEBRIS ON ABUTMENT SEAT IN FORWARD BAY 5). SPALLS, ASPHALT PATCHES AND CRACKS TO EXJT HEADERS. NOISY JOINT IN #2 LANE WB AT FORWARD.

### **SUPERSTRUCTURE**

c15.1 Beams/Girders

SURFACE RUST THROUGHOUT. RUSTING SECTION LOSS, SOME HEAVY, MAINLY ON LOWER FLANGES AND AT BEAM ENDS. SCRAPES TO LOWER FLANGE OF BEAMS 16-18 IN SPAN 2. NOTE: OPEN BOLT HOLES IN WEB OF BEAMS 5, 6, 13 & 14.

c16. Diaphragm/Cross Frames

SURFACE RUST THROUGHOUT. ENDFRAME RUSTING SECTION LOSS WITH RUSTING THRU HOLES IN REAR BAYS 2 & 8, AND FORWARD IN BAY 15. A FEW BENT ANGLES THROUGHOUT. CRACKS TO REAR CONCRETE DIAPHRAGMS.

c26. Bearing Devices

SURFACE RUST TO 28 PIER BEARINGS. HEAVY RUST & PACK RUST TO ALL ABUTMENT ROCKERS. ROCKERS WITHOUT KEEPER PLATES HAVE MOVED TRANSVERSELY AS MUCH AS 1/2". REAR ROCKERS 15 & 16 AND FORWARD ROCKER 16 ARE LOOSE.

c30. Protective Coating System

5% RUST. PEELING PAINT. PAINT FAILING AT BEAM ENDS.

c32. Fatigue

WELDED MOMENT PLATES OVER PIERS 2-4.

SUBSTRUCTURE

c33. Abutment Walls

CRACKS. DELAMS. SPALL IN FORWARD BAY 14. RUST STAINS.

c38. Pier Columns/Bents

P2C4 & C5 HAVE SPALLS WITH EXPOSED REBAR. P4C3 & C4 HAVE SPALLED & DELAMINATED AREAS. OTHER DELAMS.

c37. Pier Caps

A FEW CRACKS. DELAMINATION ON PIER 4 CAP BELOW MEDIAN BAY.

c39. Backwalls

LEACHED CRACKS. A FEW SPALLS, SOME WITH EXPOSED REBAR. FORWARD-LEFT SIDE IS SLIGHTLY BOWED OUT. WIDE CRACK IN FORWARD BAY 5. BEAM 9 AT REAR AND BEAMS 5, 6, 8 & 9 AT FORWARD ARE INTO BACKWALLS.

c40. Wingwalls

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## STATE OF OHIO DEPARTMENT OF TRANSPORTATION **BRIDGE INSPECTION FIELD REPORT**

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CRACKS. BOTH REAR CHEEKWALLS ARE SPALLED & DELAMINATED

(REAR-LEFT HAS EXPOSED REBAR).

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