

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1808249

Inventory Bridge Number: CUY C0252 01.441

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

Sufficiency Rating: 90.2

Date Built: 7/1/1977

District: 12 Place Code (FIPS): CLEVELAND

WEST 117TH STREET over IR-90 (W117TH)

Type of Service on: HIGHWAY-PEDESTRIAN

APPROACH ITEMS

	condition state					TR
	1	2	3	4	TR	
c1. Approach Wearing Surface (EA)	2					1
c2. Approach Slabs (SF)	0					2
c3. Relief Joint (LF)	168					1
c4. Embankment (EA) d	4					2
c5. Guardrail (EA)	0.0					2
N36. Safety Features: Tr, Gr, Tm						
c6. Approach Summary	36)B	1	36)C	1	36)D	1
					(9-0)	5

DECK ITEMS

	condition state					TR
	1	2	3	4	TR	
c7.1 Floor/Slab (SF)	23501.6					2
c7.2 Edge of Floor/Slab (LF)	478					1
c8. Wearing Surface (SF)	20076					2
c9. Curb/Sidewalk/Walkway (LF)	478.0					1
c10. Median (LF)	239					3
c11. Railing (LF)	478					2
N36. Safety Features: Rail						
c12. Drainage (EA) d	0.0					1
c13. Expansion Joint (LF) d	0.0					2
N58. Deck Summary						
					(9-0)	6

SUPERSTRUCTURE ITEMS

	condition state					TR
	1	2	3	4	TR	
c14. Alignment (EA) d	3					1
c15.1 Beams/Girders (LF)	0.0					1
c15.2 Slab (SF)						
c16. Diaphragm/X-Frames (EA)	0.0					1
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						
N59. Superstructure Summary						
					(9-0)	7

SUBSTRUCTURE ITEMS

	condition state					TR
	1	2	3	4	TR	
c33. Abutment Walls (LF)	198.6					1
c34. Abutment Caps (LF)						
c35. Abut. Columns/Bents (EA)						
c36. Pier Walls (LF)						
c37. Pier Caps (LF)	198.6					1
c38. Pier Columns/Bents (EA)	0.0					2
c39. Backwalls (LF)	198.6					1
c40. Wingwalls (EA)	0.0					1
c42. Scour (EA) d						
c43. Slope Protection (EA) d						
N60. Substructure Summary						
					(9-0)	6

CULVERT ITEMS

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

General Appraisal

N41. Operating Status

	condition state					TR
	1	2	3	4	TR	
Inspector Name	Gerstenslager, Michael					
Inspection Date/Type	05/20/2019 Routine					
PE Number						
Reviewer Name	Seif, Youssef					
Review Date	07/19/2019					
PE Number	59487					
					(9-0)	6
						A

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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

FULL WIDTH TRANSVERSE CRACKS. OTHER MINOR CRACKS.

c2. Approach Slabs

CRACKS INCLUDING FULL WIDTH CRACKS IN BOTH SB SLABS. SHALLOW SPALLS. MANY ASPHALT & CONCRETE PATCHES. NB BOUNCE ONTO BRIDGE.

c3. Relief Joint

PAVED OVER.

c4. Embankment

RIGHT APPROACH WALK SETTLEMENT AT BOTH ENDS (WORSE AT REAR). BOTH RIGHT CURBS SPALLED.

c5. Guardrail

SOME POST ROT. MINOR COLLISION DAMAGE TO FORWARD-LEFT GUARDRAIL WITH ONE BROKEN POST. REAR RIGHT HAS ONE BROKEN POST. REAR-RIGHT & BOTH FORWARD CONCRETE PEDESTRIAN RAIL TRANSITIONS TIP AS MUCH AS 1" TO THE EAST.

DECK

c7.1 Floor/Slab

LEACHED CRACKS. DELAMS. SMALL MOTTLED AREAS. APPROX 50 SF OF SPALLS. FULL DEPTH REPAIR IN BAY 5 SPAN 2. SPALLS FORMING OVER TRAFFIC: WESTBOUND- LANE 1 BAY 1, LANE 4 BAY 9, RAMP LANE BAYS 1-3, AND BAY 11 OVER LANE 3. EASTBOUND- LANE 3 BAY 7, RAMP LANE BAY 5, RIGHT BERM, BAY 9 OVER LANE 1, AND BAY 1 OVER HIGH SPEED BERM. FLOOR IS 1-5% DETERIORATED.

c7.2 Edge of Floor/Slab

SPALLS AT BOTH REAR CORNERS. CRACKS.

c8. Wearing Surface

CRACKS, SOME AS WIDE AS 1/8". AREAS OF MAP CRACKING IN NB LANES. WS IS 1-5% DETERIORATED.

c9. Curb/Sidewalk/Walkway

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TRANSVERSE CRACKS.

c10. Median

CRACKS. DELAMS. MANY SPALLS WITH EXPOSED REBAR. FORWARD NB CURB PLATE MISSING AT MEDIAN.

c11. Railing

CRACKS. A FEW MINOR SPALLS & DELAMS. RUST STAINS.

c12. Drainage

MINOR DEBRIS IN BOTH BERMS. NOTE: ABANDONED DRAINAGE OVER TRAFFIC IN FASCIA BAYS.

c13. Expansion Joint

COLLISION DAMAGE WITH GOUGES. TORN SEAL AT REAR IN SB LANE #1. 20' OF ARMOR MISSING IN LANES 1 AND 2 SB AT REAR. DIRT AND DEBRIS IN JOINTS.

SUPERSTRUCTURE

c15.1 Beams/Girders

SCRAPES ON LOWER FLANGE OF LEFT FASCIA OVER EB LANE #4 & EB ENTRANCE RAMP LANE (ALSO BEAM 3).

c16. Diaphragm/Cross Frames

ENDFRAME RUSTING SECTION LOSS WITH RUSTING THRU HOLES IN FORWARD BAY 11.

c30. Protective Coating System

SURFACE RUST ALONG FLANGE EDGES. PAINT FAILING AT ABUTMENTS. 1-5% RUST. TEST AREAS ON BEAMS ARE NOT PAINTED. AREAS OF CHALKING. PCS IS 1-5% DETERIORATED.

SUBSTRUCTURE

c33. Abutment Walls

CRACKS. DELAMS. RUST STAINS. LARGE SPALL WITH EXPOSED REBAR BELOW BAY 1 AT REAR.

c38. Pier Columns/Bents

LARGE DELAMS ON ALL COLUMNS. CONCRETE PATCHES.

c37. Pier Caps

CRACKS. DELAMS.

c39. Backwalls

CRACKS. RUST STAINS. SOME DELAMS & SPALLS (BAY 7 AT REAR).

c40. Wingwalls

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CRACKS.