

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

Structure File Number: 1808745 Inventory Bridge Number: CUY 00090 20.430 R Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

Sufficiency Rating: 89.3

Date Built: 7/1/1938

District: 12 Place Code (FIPS): CLEVELAND

IR90-EB over CEI OUTLET CHANNEL

Type of Service on: HIGHWAY

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

BOATING INSPECTION ON 9/16/2015 WITH MG AND JS.

Comments

APPROACH

c1. Approach Wearing Surface

INSPECTED WITH MG.

A FEW ASPHALT CRACKS AND SHALLOW POTHOLES ALONG APPROACH SLAB JOINTS. ASPHALT PATCHES.

c5. Guardrail

MINOR COLLISION DAMAGE AT REAR RIGHT.

DECK

c7.1 Floor/Slab

A FEW CRACKS, SOME LEACHED.

c8. Wearing Surface

A FEW CRACKS. AREAS OF MAP CRACKING.

c11. Railing

MINOR CRACKS.

c12. Drainage

1" THICK DIRT AND DEBRIS IN SOUTH BERM.

SUPERSTRUCTURE

c15.1 Beams/Girders

AREAS OF RUST SECTION LOSS. NO SPLICE PLATES ON THE BOTTOMS OF THE LOWER FLANGES AT THE FIELD SPLICES IN SPAN 2, SPLICES ARE AT MID-SPAN. THERE ARE AREAS WHERE PLATES ARE WELDED TO THE LOWER FLANGES AND AREAS WHERE I-BEAMS OR OLD BRACKETS ARE WELDED TO THE WEBS.

c16. Diaphragm/Cross Frames

RUSTED THROUGH HOLES IN A FEW CROSSFRAMES. (1ST XFRAME WEST OF PIER 1 IN BAY 5R.) BENT CHANNEL OF FIRST XFRAME EAST OF PIER 2 IN BAY 3. RIVET HEAD SHEARED OFF AT BEAM 5 NEAR REAR ABUTMENT.

c30. Protective Coating System

AREAS OF RUST AND TOP COAT PEELING.

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SUBSTRUCTURE

c33. Abutment Walls

CRACKS, A FEW DELAMS, DEEP SPALL UNDER BEAM 8 AT REAR. CRACKS AND DELAMS TO AREAS OF EXPOSED FOOTING.

c38. Pier Columns/Bents

P2C4 SPALL AT A COLD JOINT, STARTING 4' ABOVE THE CHANNEL BOTTOM. THE SPALL IS 3' H X FULL CIRCUMFERENCE X 3" D, WITH STEEL EXPOSED. P2C11 AREA OF DETERIORATED CONCRETE WITH RANDOM SPALLS AND EFFLORESCENCE. THIS CONDITION START 6' BELOW THE TOP OF THE CONCRETE CASEMENT AND EXTEND DOWN TO THE CHANNEL BOTTOM. THE FOLLOWING COLUMNS HAVE HOLLOW SOUNDING SOFT CONCRETE ENCASMENTS IN THE SPLASH ZONE: P1C11, P1C12, P1C13, P1C14, P2C4, P2C7, P2C8, P2C9, P2C10, P2C11, P2C12, P2C13, P2C14 AND P2C15.

c40. Wingwalls

A FEW CRACKS.

c42. Scour

WATER DEPTH VARIES FROM 4' TO 8'.

CHANNEL

c52. Protection

28" OF REAR ABUTMENT FOOTING AND 7" OF FORWARD ABUTMENT FOOTING EXPOSED.

c53. Hydraulic Opening

LAST DIVE INSPECTION 12/11/12.
BOATING INSPECTION WITH MG AND JS 9/16/2015.