STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1802771 Inventory Bridge Number: CUY 00020 22.950 N Bridge Type: 5 - STONE/9 - CULVERT/5 - FILLED

Sufficiency Rating: 85.0 Date Built: 7/1/1900

District: 12 Place Code (FIPS): EAST CLEVELAND US 20 over W BRANCH DUGWAY BROOK Type of Service on: HIGHWAY-PEDESTRIAN condition state condition state **SUBSTRUCTURE ITEMS APPROACH ITEMS** QTY 2 3 4 TR QTY. 2 3 4 TR c1. Approach Wearing Surface (EA) 2 1 c33. Abutment Walls (LF) c2. Approach Slabs (SF) c34. Abutment Caps (LF) c3. Relief Joint (LF) c35. Abut. Columns/Bents (EA) 0 c4. Embankment (EA) d c36. Pier Walls (LF) c5. Guardrail (EA) c37. Pier Caps (LF) N36. Safety Features: c38. Pier Columns/Bents (EA) Tr, Gr, Tm 36)B N 36)C N 36)D c39. Backwalls (LF) 8 (9-0)c6. Approach Summary c40. Wingwalls (EA) condition state cr c42. Scour (EA) d **DECK ITEMS** 2 3 QTY. 4 TR c43. Slope Protection (EA) d c7.1 Floor/Slab (SF) N60. Substructure Summary Ν (9-0)c7.2 Edge of Floor/Slab (LF) condition state cr c8. Wearing Surface (SF) **CULVERT ITEMS** QTY 1 2 3 4 TR c9. Curb/Sidewalk/Walkway (LF) c44. General (LF) 100 2 c10. Median (LF) 100 c45. Alignment (LF) d 1 c11. Railing (LF) c46. Shape (LF) d 1 N36. Safety Features: Rail 36)A Ν c47. Seams (LF) d 0.0 c12. Drainage (EA) d c48. Headwall/Endwall (LF) 0.0 2 c13. Expansion Joint (LF) d c49. Scour (LF) d 2 2 N58. Deck Summary (9-0)Ν c50. Abutments (LF) 100 1 condition state cr N62. Culvert Summary (9-0)6 SUPERSTRUCTURE ITEMS QTY. 3 TR condition state cr c14. Alignment (EA) d **CHANNEL ITEMS** 3 QTY 4 TR c15.1 Beams/Girders (LF) c51. Alignment (LF) d 200.0 1 c15.2 Slab (SF) c52. Protection (LF) d 200.0 1 c16. Diaphragm/X-Frames (EA) 1 c53. Hydraulic Opening (EA) d 1 c17. Stringers (LF) c54. Navigation Lights (EA) d c18. Floorbeams (LF) (9-0)7 N61. Channel Summary c19. Truss Verticals (EA) condition state cr c20. Truss Diagonals (EA) **SIGN/UTILITY ITEMS** QTY 4 TR c21. Truss Upper Chord (EA) c55. Signs (EA) d c22. Truss Lower Chord (EA) c56. Sign Supports (EA) d c23. Truss Gusset Plate (EA) d c57. Utilities (LF) d c24. Lateral Bracing (EA) **General Appraisal** (9-0)6 c25. Sway Bracing (EA) N41. Operating Status Α c26. Bearing Devices (EA) d Inspector Name Persanyi, Andrea c27. Arch (LF) Inspection Date/Type 12/12/2014 Routine c28. Arch Column/Hanger (EA) **PE Number** c29. Arch Spandrel Walls (LF) Seif, Youssef **Reviewer Name** c30. Prot. Coating System (LF) d **Review Date** 02/04/2015 c31. Pins/Hangers/Hinges (EA) d **PE Number** 59487 c32. Fatigue (LF) d

Inspection Date: 12/12/2014 Reviewed Date: 02/04/2015 Page

(9-0)

N59. Superstructure Summary

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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.

NOTE: SMALL EROSION HOLE BEHIND SOUTH CURB NEAR CENTERLINE OF CULVERT.

CULVERT

c44. General

SPALLS. MORTAR CRACKS AND MORTAR MISSING IN SOME AREAS (PROBE AS DEEP AS 13" TO MISSING MORTAR VOIDS). MISSING STONE WHERE PIPES OR MANHOLES WHERE CUT INTO ARCH. SOME VOIDS BY INLET DRAINS (VOIDS AS DEEP AS 22" HERE).

c48. Headwall/Endwall

MORTAR CRACKS AND MORTAR MISSING. THRU CRACKS IN CONCRETE BOX AT TRANSITION WITH STONE ARCH.

c49. Scour

AT UPSTREAM INTERSECTION OF THE TWO CULVERT TYPES, THE REINFORCED CONCRETE BOX CULVERT HAS AN UNDERMINED AREA, UP TO 1.2' X 2.7' X THE WIDTH OF THE CULVERT.

DIVE INSPECTION PERFORMED 10/31/14 BY GREENMAN-PEDESEN, INC.

Inspection Date: 12/12/2014 Page 2 Reviewed Date: 02/04/2015