STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION FIELD REPORT

Structure File Number: 1802771

Inventory Bridge Number: CUY 00020 22.950 N

Sufficiency Rating: 85.0

District: 12 Place Code (FIPS): EAST CLEVELAND

Date Built: 7/1/1900

Bridge Type: 5 - STONE/9 - CULVERT/5 - FILLED

QTY.

QTY.

100

100

0.0

0.0

2

100

US 20 over W BRANCH DUGWAY BROOK

Type of Service on: HIGHWAY-PEDESTRIAN

condition state

3

4

(9-0)

condition state

3 4

2

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6

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1

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7

(9-0)

2

cr

TR

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

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

SUPERSTRUCTURE

c14. Alignment (EA) d	Ī					
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						

condition state cr QTY 2 3 4 TR 1 2 1 0 36)B N 36)C N___36)D Ν 8 (9-0)condition state cr QTY. 2 3 TR 1 4



ITEMO	Condition state				e	cr	
	QTY.	1	2	3	4	TR	
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EA)							
F)							
_F) d							
EA) d							
ary		1	I	1	(9-0)	N	

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

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

CHANNEL ITEMS

c51. Alignment (LF) d c52. Protection (LF) d c53. Hydraulic Opening (EA) d c54. Navigation Lights (EA) d N61. Channel Summary

SIGN/UTILITY ITEMS

c55. Signs (EA) d c56. Sign Supports (EA) d c57. Utilities (LF) d **General Appraisal** N41. Operating Status

Inspector Name Inspection Date/Type 11/03/2015 **PE Number Reviewer Name Review Date PE Number**

Sutak, Mike

condition state 2 3 4 QTY 200.0 200.0 1 (9-0)

condition state cr QTY 1 2 3 4 TR (9-0) 6 А

Seif, Youssef 12/16/2015 59487

Routine

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US 20 over W BRANCH DUGWAY BROOK

Type of Service on: HIGHWAY-PEDESTRIAN

Bridge Type: 5 - STONE/9 - CULVERT/5 - FILLED

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

NOTE: CSE WITH A. PERSANYI, D. BREDA, M. GERSTENSLAGER AND J. SMITH.

CRACKS.

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 AS DEEP AS 22" BY INLET DRAINS. WOOD BULKHEAD OVER 12 " INLET IN CEILING IS ROTTING AWAY WITH FILL VISIBLE.

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.

CHANNEL

c53. Hydraulic Opening

MAXIMUM WATER DEPTH IS 5.0'. SEDIMENT BLOCKS 1%.