

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION FIELD REPORT

Structure File Number: 2801388

Inventory Bridge Number: GEA 00322 08.630 N

Bridge Type: 3 - STEEL/9 - CULVERT/5 - FILLED

Sufficiency Rating: 87.6

Date Built: 7/1/1961

District: 12 Place Code (FIPS): MUNSON TWP

SR322 over BEAVER CRK 1.77 MI. W 44

Type of Service on: HIGHWAY

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

QTY.	condition state				cr
	1	2	3	4	TR
2					2
2					2
0.0					1
36)B <u> </u> N 36)C <u> </u> 1 36)D <u> </u> N					(9-0) <u> </u> 6

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

QTY.	condition state				cr
	1	2	3	4	TR
36)A <u> </u> N					(9-0) <u> </u> N

SUPERSTRUCTURE ITEMS

- c14. Alignment (EA) d
- 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

QTY.	condition state				cr
	1	2	3	4	TR
					(9-0) <u> </u> 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

QTY.	condition state				cr
	1	2	3	4	TR
					(9-0) <u> </u> N

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

QTY.	condition state				cr
	1	2	3	4	TR
216					2
216					2
216					2
0.0					2
0.0					2
6					1
216					
					(9-0) <u> </u> 5

CHANNEL ITEMS

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

QTY.	condition state				cr
	1	2	3	4	TR
200.0					1
200.0					1
1					2
					(9-0) <u> </u> 5

SIGN/UTILITY ITEMS

- c55. Signs (EA) d
- c56. Sign Supports (EA) d
- c57. Utilities (LF) d

QTY.	condition state				cr
	1	2	3	4	TR
0.0					
0.0					
					(9-0) <u> </u> 5
					A

General Appraisal

N41. Operating Status

Inspector Name Sutak, Mike
Inspection Date/Type 09/15/2015 Routine
PE Number _____
Reviewer Name Seif, Youssef
Review Date 11/06/2015
PE Number 59487

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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

CULVERT WAS UNDERWATER INSPECTED BY GPI ON JULY 23, 2014.

Comments

APPROACH

c1. Approach Wearing Surface

TRANSVERSE CRACKS ABOVE / NEAR PIPES. OTHER CRACKS.

c4. Embankment

MINOR EROSION AROUND INLET AND OUTLET. SLIGHT EROSION HOLE AT NORTH END BETWEEN WEST CELL AND MIDDLE CELL.

CULVERT

c44. General

CORROSION / SECTION LOSS TO ALL THREE CELLS AND BOLTED CONNECTIONS. THE SEVERITY OF CORROSION HAS ADVANCED SINCE THE 2007 UNDERWATER INSPECTION. ONE MISSING BOLT AT 11:00 IN PIPE 3 45' FROM NORTH ENTRANCE.

c46. Shape

PIPE 1: INDENTATION AT 2:00 LOOKING NORTH TO SOUTH 63' FROM NORTH ENTRANCE MEASURES 8" TALL X 3" DEEP X 6" WIDE. PIPE 2: DEFLECTION AT 1:00 LOOKING NORTH TO SOUTH STARTS 8' FROM NORTH ENTRANCE AND CONTINUES 8' NORTH TO SOUTH AT BOLTED CONNECTION MEASURING 3" TALL. PIPE 3: INDENTION AT 12:00 LOOKING NORTH TO SOUTH 58' FROM NORTH ENTRANCE MEASURING 8" TALL X 7" DEEP X 12" WIDE. CONDITION HAS WORSENERD FROM 2007 INSPECTION FROM 3" DEEP TO 7"

c47. Seams

WATER INFILTRATION. SOME RUSTING SECTION LOSS. A FEW AREAS OF CUSPING AS MUCH AS 1/8".

c48. Headwall/Endwall

CRACKS AND SPALLS (UNDER WATER AT 2015).

CHANNEL

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c53. Hydraulic Opening

10" CLEARANCE BETWEEN WATER AND TOP OF PIPES AT 2015 INSPECTION.
VEGETATION BLOCKS 5% AT INLET AND OUTLET. BOTTOM MATERIAL IN ALL
PIPES CONSISTS OF SOFT SILT 1/2" DEEP.