

OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

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STRUCTURE FILE NUMBER

C	U	Y
CO		

0	0	9	0	2	0	4	3	L
ROUTE				UNIT				

YEAR BUILT 1 9 5 2

DIST 1 2 BRIDGE TYPE _____ CO 3 2 2 TYPE OF SERVICE 1 5 C E I Outlet Channel _____

DECK

1. Floor	<input type="checkbox"/>	2. Wearing Surface	<input type="checkbox"/>
3. Curbs, Sidewalks & Walkways	<input type="checkbox"/>	4. Median	<input type="checkbox"/>
5. Railing	<input type="checkbox"/>	6. Drainage	<input type="checkbox"/>
7. Expansion Joints	<input type="checkbox"/>	8. SUMMARY	<input type="checkbox"/>

SUPERSTRUCTURE

9. Alignment of Members	<input type="checkbox"/>	10. Beams/Girders/Slab	<input type="checkbox"/>
11. Diaphragms or Cross frames	<input type="checkbox"/>	12. Joists/Stringers	<input type="checkbox"/>
13. Floorbeams	<input type="checkbox"/>	14. Floorbeam Connections	<input type="checkbox"/>
15. Verticals	<input type="checkbox"/>	16. Diagonals	<input type="checkbox"/>
17. End posts	<input type="checkbox"/>	18. Upper Chord	<input type="checkbox"/>
19. Lower Chord	<input type="checkbox"/>	20. Gusset Plates	<input type="checkbox"/>
21. Lateral Bracing	<input type="checkbox"/>	22. Sway Bracing	<input type="checkbox"/>
23. Portals	<input type="checkbox"/>	24. Bearing Devices	<input type="checkbox"/>
25. Arch	<input type="checkbox"/>	26. Arch Columns or Hangers	<input type="checkbox"/>
27. Spandrel Walls	<input type="checkbox"/>	28. Protective Coating System (PCS)	<input type="checkbox"/>
29. Pins/Hangers/Hinges	<input type="checkbox"/>	30. Fatigue Prone Detail (E & E')	<input type="checkbox"/>
31. Live Load Response (<i>E or S</i>)	<input type="checkbox"/>	32. SUMMARY	<input type="checkbox"/>

SUBSTRUCTURE

33. Abutments	<input type="checkbox"/>	34. Abutment Seats	<input type="checkbox"/>
35. Piers	<input type="checkbox"/> 2	36. Pier Seats	<input type="checkbox"/>
37. Backwalls	<input type="checkbox"/>	38. Wingwalls	<input type="checkbox"/>
39. Fenders and Dolphins	<input type="checkbox"/>	40. Scour (<i>Insp Type - 1, 2, 3</i>)	<input type="checkbox"/> 3 <input type="checkbox"/> 1
41. Slope Protection	<input type="checkbox"/> 1	42. SUMMARY	<input type="checkbox"/> 6

CULVERT

43. General	<input type="checkbox"/>	44. Alignment	<input type="checkbox"/>
45. Shape	<input type="checkbox"/>	46. Seams	<input type="checkbox"/>
47. Headwall or Endwalls	<input type="checkbox"/>	48. Scour (<i>Insp Type - 1,2,3</i>)	<input type="checkbox"/>
49. Abutments	<input type="checkbox"/>	50. SUMMARY	<input type="checkbox"/>

CHANNEL

51. Alignment	<input type="checkbox"/> 1	52. Protection	<input type="checkbox"/> 1
53. Hydraulic Opening	<input type="checkbox"/> 1	54. SUMMARY	<input type="checkbox"/> 7

APPROACHES

55. Pavement	<input type="checkbox"/>	56. Approach Slabs	<input type="checkbox"/>
57. Guardrail	<input type="checkbox"/>	58. Relief Joint	<input type="checkbox"/>
59. Embankment	<input type="checkbox"/>	60. SUMMARY	<input type="checkbox"/>

GENERAL

61. Navigation Lights	<input type="checkbox"/>	62. Warning Signs	<input type="checkbox"/>
63. Sign Supports	<input type="checkbox"/>	64. Utilities	<input type="checkbox"/>
65. Vertical Clearance (<i>1, 2-change, N</i>)	<input type="checkbox"/>	66. General Appraisal & Operational Status	<input type="checkbox"/>

67. Inspected By, First & Last Name

F	R	E	D	E	R	I	C	K				
M	E	E	K									

PE Number					

68. Reviewed By, First & Last Name

D	A	V	I	D							
R	E	S	E	R							

	7	3	8	7	8
PE Number					

Date 1 2 1 1 1 2

Date

69. Survey (1, 0, N)

Structure File Number 1808311
Bridge Number CUY 00090 2043L (I-90WB over CEI Outlet Channel)
Inspected on December 5th, 2012
Infrastructure Engineers, Inc.

-Prepared for Ohio DOT

Summary of conditions for Supplement to form BR-86

Pile Conditions:

(Note: The piles were assigned a BR86 Rating of – 2- for Item 35, due to the unknown condition of the underlying piles, below the encasements).

- Bent 1 (West Bent), Piles 1 and 19 have spalls with abrasion in the concrete encasements. The spalls are up to 11”H x full circumference of the column x 1 ½”D.
- Bent 1, Pile 20 has a vertical crack with light efflorescence at the south face, starting at the cap, extending 4’ down.
- The following piles at Bent 2 (East Bent) have spalls in the concrete encasements, in the general area of the splash zone. The spalls vary in size; some are insufficient cover related spalls, others are up to 1’H x 9”D, and extend up to the full circumference of the pile. The large spalls have exposed, epoxy coated rebar. The areas of exposed rebar is in good condition:

Bent 2 (East Bent) - Pile 2, Pile 4, Pile 5, Pile 6, Pile 7, Pile 12, Pile 13, Pile 14, Pile 15,
Pile 16, Pile 17, and Pile 18

- The following piles at Bent 2 have intermittent voiding at a cold joint, located 3’ below the cap, at all quadrants, up to 3”H x 1 ½”D:

Pile 17, Pile 18, Pile 19, and Pile 20

Channel Conditions:

- There is a moderate accumulation of timber debris between Bent 2 (East Bent) and the East Rip-Rap Slope Protection.

DRAFT