

OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

1	8	0	8	7	4	5
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STRUCTURE FILE NUMBER

C	U	Y
CO		

0	0	9	0
ROUTE			

2	0	4	3	R
UNIT				

YEAR BUILT 1 9 3 8

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

DECK

1. Floor		2. Wearing Surface	
3. Curbs, Sidewalks & Walkways		4. Median	
5. Railing		6. Drainage	
7. Expansion Joints		8. SUMMARY	

SUPERSTRUCTURE

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

SUBSTRUCTURE

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

CULVERT

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

CHANNEL

51. Alignment	1	52. Protection	1
53. Hydraulic Opening	1	54. SUMMARY	7

APPROACHES

55. Pavement		56. Approach Slabs	
57. Guardrail		58. Relief Joint	
59. Embankment		60. SUMMARY	

GENERAL

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

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 1808745
Bridge Number CUY 00090 2043R (I-90EB 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 2 (East Pile Bent), Pile 4, 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.
- Bent 2 (East Pile Bent), Pile 11, area of poor/deteriorated concrete, with random spalls and efflorescence. This condition starts 6' below the top of the concrete encasement. It extends down to the channel bottom. The largest area is 3"H x 1'W x 2"D, located at the south quadrant, 1' above the channel bottom, with steel exposed. The concrete near the waterline at the south quadrant is waterlogged and soft.
- The following piles at Bents 1&2 have hollow sounding, soft concrete encasements in the splash zone. The soft area encompasses a band of concrete that starts 5' above the channel bottom and extends to 1' above the waterline, generally in the outer 1" of the concrete encasement:
 - Bent 1 (East Pile Bent) – Pile 11, Pile 12, Pile 13, and Pile 14
 - Bent 2 (West Pile Bent) – Pile 4, Pile 7, Pile 8, Pile 9, Pile 10, Pile 11, Pile 12, Pile 13, Pile 14, and Pile 15

Channel Conditions:

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

DRAFT