

BRIDGE INSPECTION REPORT

1808745
Structure File Number

BRIDGE NUMBER CUY 00090 2043 R

YEAR BUILT 1938

DIST 12 Bridge Type 322 TYPE SERVICE 1 5 CEI OUTLET CHANNEL

DECK	out/out 77.4 Deck Area 14,241 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 3.1 Wear Date 8/2/2005 1
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	Lanes on 4
5. RAILING	1 REINFORCED CONCRETE PARAPET	1	6. DRAINAGE	0 OTHER-NATURAL(OFF THE BRIDGE ENDS) 2
7. EXPANSION JOINTS	N NONE		8. SUMMARY	8
SUPERSTRUCTURE			3 ROLLED STEEL	
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	2
11. DIAPHRAGMS or CROSSFRAMES		2	12. JOISTS/STRINGERS	
13. FLOOR BEAMS			14. FLOOR BEAM 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	3 SLIDING (BRONZE) 1
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/1/1993 5 PAINT SYSTEM OZE 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
SUBSTRUCTURE			6 STUB-CAPPED PILE (SINGLE ROW PILES)	
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	2	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		2	36. PIER SEATS	B TOWER Piers: ON PILING 1
37. BACKWALLS			38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	2 1
41. SLOPE PROTECTION	N NONE-NATURAL PROTECTION(GRA)		42. SUMMARY	Dive Date 9/25/2007 6
CULVERTS				
43. GENERAL	N NONE/NOT APPLICABLE		44. ALIGNMENT	
45. SHAPE			46. SEAMS	
47. HEADWALLS or ENDWALLS	Culvert Length 0		48. SCOUR (INSP TYPE - 1,2,3)	
49. ABUTMENT			50. SUMMARY	
CHANNEL				
51. ALIGNMENT		1	52. PROTECTION	5 RIP RAP (DUMPED ROCK OR ROCK) 2
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING	1	54. SUMMARY	6
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 7
GENERAL				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 1
63. SIGN SUPPORTS	Signs on = N MVC on = 9999.9 Under C = 0		64. UTILITIES	
65. VERTICAL CLEARANCE	Under NC = 0	N	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

PE Number

SIGNED

59487

PE Number

Name ANDREA PERSANYI

Name YOUSSEF SEIF

DATE 10/5/2011

1 1 1 1 N N N N
SURVEY

DATE 2/22/2012

DECK

FLOOR: A FEW CRACKS. <1% DETERIORATED.
WEARING SURFACE: A FEW CRACKS, SMALL POTHOLE @ ASPHALT/
CONCRETE JOINT AT FWD. <1% DETERIORATED.
DRAINAGE: PONDING SOUTH SOUTH BERM.

SUPERSTRUCTURE

BEAMS: RUSTING & RUSTED SECTION LOSS. NO SPLICE PLATES ON
THE BOTTOMS OF THE LOWER FLANGES AT THE FIELD SPLICES IN
SPAN #2; SEE ATTACHED PHOTO 1 DATED 10/05/05.
XFRAMES: RUSTED THRU HOLES IN A FEW CROSSFRAMES; SEE
ATTACHED PHOTOS 2 & 3 DATED 10/05/05 (1ST XFRAME WEST OF
PIER #1 IN BAY #5R). BENT CHANNEL OF FIRST XFRAME EAST OF
PIER #2 IN BAY #3; SEE ATTACHED PHOTO 4 DATED 9/25/07.
PCS: 2% RUST. 1-5% DETERIORATED.

SUBSTRUCTURE

ABUTMENTS: CRACKS. A FEW DELAMINATIONS AND SPALLS; SEE
ATTACHED PHOTOS P5 AND P6 DATED 11/07/05 (REAR ABUTMENT
BELOW BEAM #8).
PIERS: FAILED PATCHES AND SPALLS ON COLUMNS.
SCOUR: NO CHANGE FROM LAST DIVE INSPECTION ON 9/25/07.

CHANNEL

PROTECTION: 28" OF START ABUT FOOTER EXPOSED & 6" OF FINISH
ABUT FOOTER EXPOSED TO AIR.

GENERAL

BOATED W/DAN BREDI 10/5/11.



1808745 10_5_05 P1 no lower splice plates.jpg



1808745 10_5_05 P2 rusted thru holes in xframe.jpg



1808745 10_5_05 P3 closeup of P2.jpg



1808745 10_5_05 P4 bent crossframe channel.jpg



1808745 11_7_05 P5 start abut delamination & spall.jpg



1808745 11_7_05 P6 closeup of P5.jpg