

## BRIDGE INSPECTION REPORT

1808311  
Structure File Number

BRIDGE NUMBER CUY 00090 2043 L

YEAR BUILT 1952

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

<b>DECK</b>	out/out 78.3 Deck Area 14,413 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 2 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	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	N NONE		8. SUMMARY	7
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	3 ROLLED STEEL 2
11. DIAPHRAGMS or CROSSFRAMES		1	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) 2
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
<b>SUBSTRUCTURE</b>				
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	1	34. ABUTMENT SEATS	6 STUB-CAPPED PILE (SINGLE ROW PILES) 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
<b>CULVERTS</b>				
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	
<b>CHANNEL</b>				
51. ALIGNMENT		1	52. PROTECTION	5 RIP RAP (DUMPED ROCK OR ROCK) 1
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING	1	54. SUMMARY	7
<b>APPROACHES</b>				
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 8
<b>GENERAL</b>				
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: SPALL IN BAY #5 BETWEEN 1ST & 2ND XFRAMES WEST OF PIER #1; SEE ATTACHED PHOTOS 1 & 2 DATED 10/05/05. PLYWOOD CAST INTO FLOOR ALONG LEFT FACE OF TOP FLANGE OF LEFT BEAM ABOVE FINISH CHANNEL PROTECTION; SEE ATTACHED PHOTOS 3 & 4 DATED 11/07/05. A FEW CRACKS. FLOOR <1% DETERIORATED. WEARING SURFACE: A FEW CRACKS. <1% DETERIORATED. DRAINAGE: PARTIALLY PLUGGED SCUPPERS, 2" PACKED DEBRIS IN NORTH BERM.

## SUPERSTRUCTURE

BEAMS: PACK RUST BETWEEN SOME COVER PLATES & BOTTOM FLANGES. RUSTED SECTION LOSS. RUSTING SECTION LOSS OF LEFT BEAM WITH RUSTED THRU HOLES IN COVER PLATES IN SPAN #2. BOTTOM FLANGE COVER PLATE OF BEAM #5 IS BENT IN SPAN #2 NEAR PIER #2; SEE ATTACHED PHOTO 6 DATED 10/05/05. NO COPE HOLES AT INTERSECTING WELDS WHERE BEAMS ARE JOINED ABOVE PIERS. CROSSFRAMES: SEE PHOTO DATED 10/29/09. PCS: 2% RUST. 1-5% DETERIORATED.

## SUBSTRUCTURE

ABUTMENTS: CRACKS. MINOR DELAMINATIONS. PIERS: FAILED PATCHES AND SPALLS ON COLUMNS; SEE ATTACHED PHOTOS 7 & 8 DATED 9/25/07. CAP SPALL ABOVE P2C5R; SEE ATTACHED PHOTO 9 DATED 10/05/05. SCOUR: CONCRETE ENCASEMENTS OF 3 COLUMNS OF PIER #1 ARE UNDERMINED. NO CHANGE FROM LAST DIVE INSPECTION ON 9/25/07 THAT IS ATTACHED WITH THIS REPORT.

## APPROACHES

PAVEMENT: A FEW CRACKS, POT HOLE @ WEST END.

## GENERAL

BOATED WITH DAN BRED A 10/5/11.

CUY-90-2043L CEI outlet channel  
SFN 1808311 by acp



Cracked weld.JPG



1808311 10\_5\_05 P1 floor spall span 1 bay 5.jpg



1808311 10\_5\_05 P2 closeup of P1.jpg



1808311 11\_7\_05 P3 plywood cast into floor.jpg



1808311 11\_7\_05 P4 closeup of P3.jpg



1808311 10\_5\_05 P6 bent beam 5 cover plate.jpg



1808311 10\_5\_05 P7 deep spalling of P1C15.jpg



1808311 10\_5\_05 P8 deep spalling of P1C15.jpg



1808311 10\_5\_05 P9 cap spall above P2C5R.jpg