

## 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

<b>DECK</b> out/out 77.4 Deck Area 14,241 sqft			2 INTEGRAL CONCRETE (MONOLITHIC)		
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE		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		2
			0 OTHER-NATURAL(OFF THE BRIDGE ENDS)		
7. EXPANSION JOINTS			8. SUMMARY		8
N NONE					
<b>SUPERSTRUCTURE</b>			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		1
			3 SLIDING (BRONZE)		
25. ARCH			26. ARCH COLUMNS or HANGERS		
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM		7
			Paint Date 1/1/1993		
			5 PAINT SYSTEM OZE		
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')		1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY		6
<b>SUBSTRUCTURE</b>			6 STUB-CAPPED PILE (SINGLE ROW PILES)		
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	2	34. ABUTMENT SEATS		1
			Abutment: ON PILING		
35. PIERS		2	36. PIER SEATS		1
			B TOWER		
			Piers: ON PILING		
37. BACKWALLS		1	38. WINGWALLS		1
39. FENDERS and DOLPHINS			40. SCOUR (INSP TYPE - 1,2,3)		1
Piers = 02 NN NN					3
Spans = 3					
41. SLOPE PROTECTION			42. SUMMARY		6
N NONE-NATURAL PROTECTION(GRA			Dive Date 9/25/2007		
<b>CULVERTS</b>					
43. GENERAL	N NONE/NOT APPLICABLE		44. ALIGNMENT		
45. SHAPE			46. SEAMS		
47. HEADWALLS or ENDWALLS			48. SCOUR (INSP TYPE - 1,2,3)		
Culvert Length 0					
49. ABUTMENT			50. SUMMARY		
<b>CHANNEL</b>					
51. ALIGNMENT		1	52. PROTECTION		2
8 SLIGHT CHANCE OVERTOPPING			5 RIP RAP (DUMPED ROCK OR ROCK)		
53. HYDRAULIC OPENING		1	54. SUMMARY		6
<b>APPROACHES</b>					
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS		1
57. GUARDRAIL		2	58. RELIEF JOINTS		
1 STEEL BEAM					
59. EMBANKMENT		1	60. SUMMARY		6
			Percent Legal = 150		
<b>GENERAL</b>					
61. NAVIGATION LIGHTS			62. WARNING SIGNS		1
			Maint Resp 1 OHIO TRAN DEPT		
63. SIGN SUPPORTS			64. UTILITIES		
Signs on = N					
MVC on = 9999.9					
Under C = 0					
65. VERTICAL CLEARANCE		N	66. GENERAL APPRAISAL & OPERATIONAL STATUS		6
Under NC = 0					A
67. INSPECTED BY			68. REVIEWED BY		
SIGNED			SIGNED		
Name KENNETH BANASZAK		PE Number	Name YOUSSEF SEIF		59487
			PE Number		
DATE 12/12/2012			DATE 2/13/2013		
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			SURVEY		

DATE 12/12/2012

1 1 1 1 N N N N  
SURVEY

DATE 2/13/2013

## DECK

FLOOR: A FEW CRACKS (SOME LEACHED). FL IS <1% DETERIORATED.  
WEARING SURFACE: A FEW CRACKS. WS IS <1% DETERIORATED.  
RAILS: MINOR CRACKS.  
DRAINAGE: MINOR PONDING TO SOUTH BERM. NOTE: DRAIN PIPE  
ATTACHED TO FORWARD ABUT IN BAY 13 HAS A LARGE SEPERATION  
TO IT AT THE ABUTMENT.

## SUPERSTRUCTURE

BEAMS: AREAS OF RUST SECTION LOSS. NO SPLICE PLATES ON THE  
BOTTOMS OF THE LOWER FLANGES AT THE FIELD SPLICES IN SPAN  
#2.  
XFRAMES: RUST THRU HOLES IN A FEW CROSSFRAMES (1ST XFRAME  
WEST OF PIER #1 IN BAY #5R). BENT CHANNEL OF FIRST XFRAME  
EAST OF PIER #2 IN BAY #3. RIVET HEADS SHEARED OF AT BEAM  
5 NEAR REAR ABUT.  
PCS: 2% RUST. PCS IS 1-5% DETERIORATED.  
FPD: THERE ARE AREAS WHERE PLATES ARE WELDED TO THE LOWER  
FLANGES. AREAS WHERE I-BEAMS (NEAR ABUTS) OR OLD BRACKETS  
WELDED TO THE WEBS.

## SUBSTRUCTURE

ABUTMENTS: CRACKS. A FEW DELAMINATIONS. SPALLS (DEEP SPALL  
UNDER BEAM 8 AT REAR). CRACKS AND DELAMS TO AREAS OF  
EXPOSED FOOTERS.  
PIERS: 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

PROTECTION: 28" OF REAR ABUT FOOTER EXPOSED & 7" OF FORWARD  
ABUT FOOTER EXPOSED TO AIR. AREAS OF VOIDS BETWEEN RIP-RAP.  
HYDRO OPEN: THERE IS A MODERATE ACCUMULATION OF TIMBER  
DEBRIS BETWEEN BENT 2 (EAST PILE BENT) AND THE EAST RIP-RAP

SLOPE PROTECTION.

## APPROACHES

PAVEMENT: A FEW ASPHALT CRACKS. A FEW MINOR SHALLOW POTHOLES  
AT APPROACH SLAB JOINT.  
GUARDRAIL: MINOR COLLISION DAMAGE AT REAR-RIGHT.

## GENERAL

DIVE INSPECTION 12/11/12.