

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

DECK	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
3. CURBS, SIDEWALKS AND WALKWAYS	Left N NONE / Right N NONE		4. MEDIAN	Lanes on 4
5. RAILING	1 REINFORCED CONCRETE PARAPET	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 1
7. EXPANSION JOINTS	N NONE		8. SUMMARY	7
SUPERSTRUCTURE			3 ROLLED STEEL	
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	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')	1
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)	1	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		2	36. PIER SEATS	B TOWER Piers: ON PILING 1
37. BACKWALLS		2	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	3 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		2	60. SUMMARY	Percent Legal = 150 6
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 KENNETH BANASZAK

Name YOUSSEF SEIF

DATE 12/12/2012

1 1 1 1 N N N N
SURVEY

DATE 2/13/2013

DECK

FLOOR: A FEW CRACKS (SOME LEACHED). A FEW MINOR SPALLS.

FLOOR IS <1% DETERIORATED.

WEARING SURFACE: A FEW CRACKS. WS IS <1% DETERIORATED.

RAILS: A FEW CRACKS. A FEW COLLISION SCRAPES.

DRAINAGE: MINOR DEBRIS IN NORTH BERM.

SUPERSTRUCTURE

BEAMS: PACK RUST BETWEEN SOME COVER PLATES & BOTTOM FLANGES.

AREAS OF RUST SECTION LOSS. LEFT BEAM HAS RUST THRU HOLES

IN COVER PLATES IN SPAN #2. BOTTOM FLANGE COVER PLATE OF

BEAM #5 IS BENT IN SPAN #2 NEAR PIER #2. NO COPE HOLES AT

INTERSECTING WELDS WHERE BEAMS ARE JOINED ABOVE PIERS.

XFRAMES: CRACKED WELD IN BAY 10 NEAR REAR ABUT.

BEARINGS: SOME RUST SECTION LOSS.

PSC: 2% RUST. PSC IS 1-5% DETERIORATED.

FPD: COVER PLATES AT PIERS.

SUBSTRUCTURE

ABUTMENTS: CRACKS. MINOR DELAMINATIONS.

PIERS: FAILED PATCHES AND SPALLS ON COLUMNS. BENT 1 (WEST BENT), PILES 1 AND 19 HAVE SPALLS WITH ABRASION IN THE CONCRETE ENCASMENTS. THE SPALLS ARE UP TO 11"H X FULL CIRCUMFERENCE OF THE COLUMN X 1 1/2"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 ENCASMENTS, 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 1-1/2"D: PILE 17, PILE 18, PILE 19, & PILE 20.

BACKWALL: 3SF SPALL NEAR LEFT FASCIA AT REAR.

CHANNEL

PROTECT: AREAS OF VOIDS BETWEEN RIP-RAP.

HYDRO OPEN: THERE IS A MODERATE ACCUMULATION OF TIMBER DEBRIS BETWEEN BENT 2 (EAST BENT) AND THE EAST RIP-RAP SLOPE PROTECTION.

APPROACHES

PAVEMENT: A FEW CRACKS. A FEW SMALL SHALLOW POTHOLES.

EMBANKMENT: EROSION NEAR REAR-LEFT APPROACH.

GENERAL

DIVE INSPECTION ON 12/11/12.

INSPECTED WITH DB.