

BRIDGE INSPECTION REPORT

1808745

BRIDGE NUMBER

CUY 00090 2043 R

YEAR BUILT

1938

Structure File Number

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				
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	3 ROLLED STEEL 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 OZEU 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
SUBSTRUCTURE				
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	2	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		1	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(GRASS,B		42. SUMMARY	Dive Date 12/11/2012 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) 1
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING APPR	1	54. SUMMARY	7
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	2	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	2	58. RELIEF JOINTS	
59. EMBANKMENT		1	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		64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 0 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 MICHAEL SUTAK

Name YOUSSEF SEIF

DATE 9/17/2013

1 1 1 1 N N N N

DATE 11/22/2013

SURVEY

DECK

FLOOR: A FEW CRACKS (SOME LEACHED). FL IS <1% DETERIORATED.
WEARING SURFACE: A FEW CRACKS. WS IS <1% DETERIORATED.
RAILING: MINOR CRACKS.
DRAINAGE: MINOR PONDING TO SOUTH BERM. 2" THICK DIRT AND
DEBRIS IN SOUTH BERM.

SUPERSTRUCTURE

BEAMS: AREAS OF RUST SECTION LOSS. NO SPLICE PLATES ON THE
BOTTOMS OF THE LOWER FLANGES AT THE FIELD SPLICES IN SPAN
#2, SPLICES ARE AT MIDSPAN.
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 ABUTMENT.
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. DEEP SPALL UNDER
BEAM 8 AT REAR. CRACKS AND DELAMS TO AREAS OF EXPOSED
FOOTINGS.
PIERS: P2C4 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. P2C11 AREA OF DETERIORATED
CONCRETE WITH RANDOM SPALLS AND EFFLORESCENCE. THIS
CONDITION STARTS 6' BELOW THE TOP OF THE CONCRETE
ENCASEMENT AND EXTENDS DOWN TO THE CHANNEL BOTTOM. THE
FOLLOWING COLUMNS HAVE HOLLOW SOUNDING, SOFT CONCRETE
ENCASEMENTS IN THE SPLASH ZONE; P1C11, P1C12, P1C13,
C1P14, P2C4, P2C7, P2C8, P2C9, P2C10, P2C11, P2C12, P2C13,
P2C14 AND P2C15.
SCOUR: WATER DEPTH PIER 1 NORTH END=6', SOUTH END=6.5'
PIER 2 SOUTH END=7.5'. BOTTOM OF PIER CAP TO WATER= 3.5'

CHANNEL

PROTECTION: 28" OF REAR ABUTMENT FOOTING AND 7" OF
FORWARD ABUTMENT FOOTING EXPOSED TO AIR.

APPROACHES

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

GENERAL

LAST DIVE INSPECTION 12/11/12.

BOATED WITH MG IN 2013.