

## BRIDGE INSPECTION REPORT

1805436

BRIDGE NUMBER

CUY 00176 1334

YEAR BUILT

1968

Structure File Number

DIST 12

Bridge Type 322

TYPE SERVICE 1 0

IR-71NB (CUY-71-1791R)

<b>DECK</b>	out/out 54 Deck Area 57,943 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRETRSD, PRECAST)	2	2. WEARING SURFACE	Thk 1.2 2
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	Lanes on 3
5. RAILING	1 REINFORCED CONCRETE PARAPET	2	6. DRAINAGE	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 79	1	10. BEAMS/GIRDERS/SLAB	18 ROLLED STEEL 1
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	2 ROCKERS 2
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/1/1991 0 OTHER 6
29. PINS/HANGERS/HINGES		2	30. FATIGUE PRONE DETAIL (E, E')	1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
<b>SUBSTRUCTURE</b>				
33. ABUTMENTS	5 STUB GRAVITY	1	34. ABUTMENT SEATS	5 STUB GRAVITY Abutment: ON PILING 1
35. PIERS		2	36. PIER SEATS	5 CAPPED COLUMN Piers: ON PILING 1
37. BACKWALLS		1	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 17 NN NN Spans = 18		40. SCOUR (INSP TYPE - 1,2,3)	
41. SLOPE PROTECTION	2 STONE (NO.1 AGGREGATE)	2	42. SUMMARY	Dive Date 12/30/1899 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			52. PROTECTION	X N/A
53. HYDRAULIC OPENING	N NOT OVER WATERWAY		54. SUMMARY	
<b>APPROACHES</b>				
55. PAVEMENT	2 BITUMINOUS	2	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	2	58. RELIEF JOINTS	1
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 6
<b>GENERAL</b>				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 4
63. SIGN SUPPORTS	Signs on = Y MVC on = 9999.9	1	64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 16.2 Under NC = 0	1	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 8/30/2013

1 1 1 1 1 N N N

DATE 9/27/2013

SURVEY

## DECK

FLOOR: TRANSVERSE LEACHING CRACKS. DELAMS & SPALLS MAINLY @ HINGES. MOTTLED AREAS. EPOXY INJECTED AREAS. A FEW HONEYCOMBED AREAS. FLOOR IS 1-5% DETERIORATED.

WEARING SURFACE: MANY CRACKS. FULL DEPTH REPAIRS. AREAS OF MAP CRACKING, SPALLING & BROKEN UP AREAS. DETERIORATED PATCHES. 2% DELAMINATED OVERALL. WS IS 1-5% DETERIORATED.

RAILING: VERTICAL & HORIZONTAL CRACKS, SOME LEACHING. SPALLING ALONG THE INSIDE TOE.

DRAINAGE: SEVERAL PLUGGED/PARTIALLY PLUGGED SCUPPERS. RUSTING SECTION LOSS & THRU HOLES TO DOWNSPOUTS.

EXJTS: TORN SEALS, WITH MINOR LEAKAGE, IN MANY LOCATIONS.

## SUPERSTRUCTURE

BEAMS: RUSTING SECTION LOSS AT VARIOUS LOCATIONS ESPECIALLY ON BOTTOM FLANGES & NEAR THE SEATED HINGES. PACK RUST @ A FEW LOWER FLANGE SPLICE PLATES.

XFRAMES: AREAS OF RUSTING SECTION LOSS. RUSTED THRU HOLES UNDER INTERMEDIATE EXJTS & IN BAY #1 @ THE FORWARD MAINLINE ABUTMENT.

BEARINGS: FORWARD MAINLINE BEARING #5 & RAMP BEARING #1 ARE TIPPED IN (NEED TO BE RESET).

PCS: ACTIVE CORROSION UNDER JOINTS. AREAS OF PEELING. 1-5% RUST. PCS IS 5-10% DETERIORATED.

PINS/HANGERS/HINGES: RUSTING SECTION LOSS @ SEATED HINGES.

FPD: WELDED MOMENT PLATES @ PIERS. SOME SURFACE CORROSION ON WELDS.

## SUBSTRUCTURE

ABUTMENTS: LARGE DELAMS UNDER BAY #4 @ FORWARD MAINLINE ABUTMENT. CRACKS AS WIDE AS 1/8" TO FORWARD MAINLINE ABUTMENT. OTHER CRACKS. MINOR DELAMS & SPALLS @ FORWARD EXIT RAMP ABUTMENT. RUST STAINS.

PIERS: CRACKS, SOME EPOXY SEALED. DELAMINATIONS & SPALLS, SOME WITH EXPOSED REBAR, TO COLUMNS & CAPS.

PIER SEATS: MULTIPLE AREAS ALONG SEAT EDGES THAT ARE CRACKING.

BACKWALLS: CRACKS. RUST STAINS.

SLOPE PROTECTION: EROSION RUT AS DEEP AS 4' @ REAR-RIGHT SLOPE.

## APPROACHES

PAVEMENT: REAR IS NEW IN 2013. FORWARD MAINLINE PAVEMENT IS UNDER CONSTRUCTION IN 2013.

GUARDRAIL: SEVERAL AREAS OF DAMAGED GUARDRAIL @ REAR-RIGHT.

RELJTS: CRACKS IN FORWARD EXIT RAMP JOINT.

GENERAL

WARNING SIGNS: NO END MARKERS.  
INSPECTED WITH DB IN 2013.