

## BRIDGE INSPECTION REPORT

1805436  
Structure File Number

BRIDGE NUMBER CUY 00176 1334

YEAR BUILT 1968

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 (PRESTRSD, PRECAST)	2	2. WEARING SURFACE	Thk 1.2 2
3. CURBS, SIDEWALKS AND WALKWAYS	Left N NONE / Right N NONE		4. MEDIAN	Lanes on 3
5. RAILING	1 REINFORCED CONCRETE PARAPET	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
<b>SUPERSTRUCTURE</b>			18 ROLLED STEEL	
9. ALIGNMENT	Max Spans 79	1	10. BEAMS/GIRDERS/SLAB	1
11. DIAPHRAGMS or CROSSFRAMES		2	12. JOISTS/STRINGERS	
13. FLOOR BEAMS			14. FLOOR BEAM CONNECTIONS	
15. VERTICALS			16. DIAGONALS	
17. END POSTS			18. TOP CHORD	
19. LOWER CHORD			20. LOWER LATERAL BRACING	
21. TOP 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 U UNKNOWN 6
29. PINS/HANGERS/HINGES		2	30. FATIGUE PRONE CONNECTIONS	1
31. LIVE LOAD RESPONSE		S	32. SUMMARY	6
<b>SUBSTRUCTURE</b>			5 STUB GRAVITY	
33. ABUTMENTS	5 STUB GRAVITY	2	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		2	36. PIER SEATS	5 CAPPED COLUMN Piers: ON PILING 1
37. BACKWALLS		2	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 17 NN NN Spans = 18		40. SCOUR	
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	Culvert Fill Depth 0
49.			50. SUMMARY	
<b>CHANNEL</b>				
51. ALIGNMENT	N NOT OVER WATERWAY		52. PROTECTION	X N/A
53. WATERWAY ADEQUACY			54. SUMMARY	
<b>APPROACHES</b>				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	1
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 7
<b>GENERAL</b>				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT
63. SIGN SUPPORTS	Signs on = Y MVC on = 9999.9 Under C = 16.2	1	64. UTILITIES	
65. VERTICAL CLEARANCE	Under NC = 0	1	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

PE Number

MJS  
INITIALS

SIGNED

60048 MJM  
PE Number INITIALS

DATE 9/25/2008

1 1 1 1 1 N N N  
SURVEY

DATE 2/12/2009

## DECK

FLOOR: TRANSVERSE LEACHING CRACKS. DELAMINATIONS AND SPALLS  
MAINLY AT HINGES. 1-5% DET.

WS: CRACKS. WEST 14TH RAMP IS 10% DELAMINATED.

2% DELAMINATED OVERALL. 1-5% DET.

DRAINAGE: RUST THRU HOLES IN DOWNSPOUTS AT START ABUTMENT,  
PIER 15 AND PIER 18 BW. SEE ATTACHED PHOTO DATED  
09/22/08. DOWNSPOUT AT EAST END OF PIER 18 BE IS  
PLUGGED WITH CONCRETE AT GROUND.

EXPANSION JOINTS: TEARS IN SEALS.

## SUPERSTRUCTURE

BEAMS: RUST SECTION LOSS UNDER EXPANSION JOINTS. PACK RUST  
AT A FEW LOWER FLANGE SPLICE PLATES.

XFRAMES: RUST THRU HOLES UNDER INTERMEDIATE EXPANSION JOINTS  
AND IN BAY 1 AT FINISH (NORTH) MAINLINE ABUTMENT.  
SEE ATTACHED PHOTO DATED 09/22/08.

BEARINGS: ROCKER 1 SEVERELY TIPPED IN AND ROCKER 3 TIPPED  
OUT AT WEST 14TH STREET RAMP ABUTMENT.

PAINT: ACTIVE CORROSION UNDER JOINTS. 2% RUST. 5-10% DET.

HINGES: RUST SECTION LOSS AT SEATED HINGES.

## SUBSTRUCTURE

ABUTMENTS: LARGE DELAMINATION UNDER BAY 4 AT NORTH MAINLINE  
ABUTMENT. OTHER SMALL DELAMINATIONS.

PIERS: SPALLED OR DELAMINATED COLUMN AREAS, MAINLY PIERS 11  
THRU 14. CAP DELAMINATIONS. EPOXIED CRACKS IN SOLID  
STEM PIERS 14, 15 AND 16.

BACKWALLS: CRACKS. RUST STAINS.

SLOPE PROTECTION: 24" DEEP EROSION DOWN START ABUTMENT SLOPE  
UNDER BAY 1R SCUPPERS.

## APPROACHES

PAVEMENT: NEW AT START.

## GENERAL

GENERAL: LIGHT POLE H18 IS DENTED NEAR BASE ON EXIT RAMP TO  
WEST 14TH.

LAST INSPECTION BY CONSULTANT WAS EUTHENICS IN 2006.



Thru Hole in downspout at Pier 18 AW.JPG



Thru holes in xframe at Intermediate Expansion 2 BW.JPG