

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)

DECK	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 3
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
SUPERSTRUCTURE			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 0 OTHER 6
29. PINS/HANGERS/HINGES		2	30. FATIGUE PRONE CONNECTIONS	1
31. LIVE LOAD RESPONSE		S	32. SUMMARY	6
SUBSTRUCTURE			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
CULVERTS				
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	
CHANNEL				
51. ALIGNMENT	N NOT OVER WATERWAY		52. PROTECTION	X N/A
53. WATERWAY ADEQUACY			54. SUMMARY	
APPROACHES				
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
GENERAL				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT
63. SIGN SUPPORTS	Signs on = Y MVC on = 9999	2	64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 16.2 Under NC = 0	2	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

70223

PE Number

AWH

INITIALS

SIGNED

PE Number INITIALS

DATE 11/15/2010

1 1 1 1 1 N N 1
SURVEY

DATE

DECK

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

WS: MANY CRACKS. WEST 14TH RAMP IS 10% DELAMINATED. 100 SF
BROKEN UP AREA, 2% DELAMINATED OVERALL. 1-5% DET.

RAILING: IMPACT ATTENUATOR DAMAGED AT WEST 14TH RAMP.

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. PLUGGED
DOWNSPOUTS @ EAST COLUMNS OF PIERS 11, 16 &
24BE. PLUGGED AT GROUND AT EAST COLUMN PIER 4.
PLUGGED HOPPER OVERFLOWING NORTH SOLID STEM EAST
SIDE PIER 16.

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,ROCKER 3 TIPPED
OUT, ADN ROCKER 5 TIPPED IN AT WEST 14TH STREET
RAMP ABUTMENT.

PAINT: ACTIVE CORROSION UNDER JOINTS. 2% RUST. 5-10% DET.
BAY 1 & 4 SMOKE DAMAGE AT FINISH ABUTMENT.

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
(30SF DELAMS) 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: 6" POTHOLE @ NORTH EXJT OF WEST 14TH RAMP. 6SF
ASPHALT PATCH @ REAR EXJT.

GENERAL

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

LAST INSPECTION BY CONSULTANT WAS EUTHENICS IN 2006.

WO LOC/NO: 240 201000003 OPEN DATE: 12/02/09 DIST: 12 CNTY: CUY

W.O. DESC: WEARING SURFACE REPAIR

REMARKS: PATCH BROKEN UP AREA (30 SF) IN WEST 14TH STREET RAMP NEAR WHERE
: RAMP SPLITS FROM MAINLINE. ALSO DEEP POTHOLE AT NORTH END OF
: RAMP IN APPROACH AT EXPANSION JOINT. BRIDGE CARRIES SR 176 UNDER
: I-71 NORTHBOUND BRIDGE (DOUBLE DECKER). QUESTIONS CALL 312-0124.

ORC EST REQ: N (Y/N) EST AMOUNT: LANE MILES: (1 TO 999 OR N/A)

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----- WHAT, AND WHERE IS THE WORK DONE? -----

PGAC.....: 6153 BRIDGE DECK REPAIR PROJ WO:
DISTRICT: 12 COUNTY: CUY ROUTE: SR 176 FROM MP: TO MP:
FACILITY: 1805436 IR-71NB (CUY-71-1791R) FACL SLM: 13.34
WORK TYP: AGENCY: JOB:
PID NO...:

ENTER=EDIT, PF1=OPEN WO, PF2=WORK ACCOM, PF3=LABOR, PF4=EQUIPMENT, PF5=MATERIAL

THE WORK ORDER IS OPEN PA1/PA2 TO EXIT



Thru Hole in downspout at Pier 18 AW.JPG



Thru holes in xframe at Intermediate Expansion 2 BW.JPG