

## 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 3                |
| 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. 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<br>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>              |   |   | 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<br>Piers: ON PILING 1 |
| 37. BACKWALLS                    |   | 2 | 38. WINGWALLS                              | 1                                     |
| 39. FENDERS and DOLPHINS         | Piers = 17 NN NN<br>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                    | N NOT OVER WATERWAY                               |   | 52. PROTECTION                             | X N/A                                 |
| 53. HYDRAULIC OPENING            |   |   | 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 4         |
| 63. SIGN SUPPORTS                | Signs on = Y<br>MVC on = 9999.9<br>Under C = 16.2 | 2 | 64. UTILITIES                              |                                       |
| 65. VERTICAL CLEARANCE           | Under NC = 0                                      | 2 | 66. GENERAL APPRAISAL & OPERATIONAL STATUS | 6 A                                   |
| 67. INSPECTED BY                 |   |   | 68. REVIEWED BY                            |                                       |

SIGNED

PE Number

AP  
INITIALS

SIGNED

70223 AH  
PE Number INITIALS

DATE 12/13/2011

1 1 1 1 N N N N  
SURVEY

DATE 2/28/2012

## DECK

FLOOR: TRANSVERSE LEACHING CRACKS. DELAMINATIONS AND SPALLS MAINLY AT HINGES. 1-5% DETERIORATED. MOTTLED AREAS.  
WEARING SURFACE: 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 REAR ABUTMENT, PIER 15 AND PIER 18 BW. DOWNSPOUT AT EAST END OF PIER 18 BE IS PLUGGED WITH DEBRIS AND 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 FWD (NORTH) MAINLINE ABUTMENT.  
BEARINGS: ROCKER 1 SEVERELY TIPPED IN, ROCKER 3 TIPPED OUT, AND ROCKER 5 TIPPED IN AT WEST 14TH STREET RAMP ABUTMENT.  
PAINT: ACTIVE CORROSION UNDER JOINTS. 2% RUST. 5-10% DETERIORATED. 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 REAR ABUTMENT SLOPE UNDER BAY 1R SCUPPERS.

## APPROACHES

PAVEMENT: 6" POT HOLE @ 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.