

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

1805436 Bridge Number **CUY 00176 1334** **CLEVELAND** Year Built **19680701**

Dist 12 Bridge Type **STEEL /BEAM/CONT** ON/UND **1** Type Serv **1 0** **IR-71NB (CUY-71-1791R)**

DECK			
1. Floor	1	2. Wearing Surface	2
3. Curbs,Sidewalks & Walkways		4. Median	
5. Railing	2	6. Drainage	2
7. Expansion Joints	3	8. Summary	6
SUPERSTRUCTURE			
9. Alignment	1	10. Beams/Girders/Slab	2
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 Cord		20. Lower Lateral Bracing	
21. Top Lateral Bracing		22. Sway Bracing	
23. Portals		24. Bearing Devices	2
25. Arch		26. Arch Columns or Hangers	
27. Spandrel Walls		28. Paint	7
29. Pins/Hangers/Hinges	2	30. Fatigue Prone Conections	1
31. Live Load Response	S	32. Summary	6
SUBSTRUCTURE			
30. Abutments	1	34. Abutment Seats	1
35. Piers	2	36. Pier Seats	1
37. Backwalls	2	38. Wingwalls	1
39. Fenders and Dolphins		40. Scour	1
41. Slope Protection	1	42. Summary	6
CULVERT			
43. General		44. Alignment	
45. Shape		46. Seams	
47. Headwalls or Endwalls		48. Scour	
49.		50. Summary	
CHANNEL			
51. Alignment		52. Protection	
53. Waterway Adequacy		54. Summary	
APPROACHES			
55. Pavement	1	56. Approach Slabs	1
57. Guardrail	1	58. Relief Joints	1
59. Embankment	1	60. Summary	8
GENERAL			
61. Navigation Lights		62. Warning Signs	
63. Sign Supports	1	64. Utilities	

65. Vertical Clearance	N	66. General Appraisal & Operational Status	6 A
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67. Inspected By **KJB 10/11/2005** 68. Reviewed By **MJM 11/7/2005**

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REMARKS

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Deck:

FL: CRACKS @ 30' SPACING AT RAMP TO W.14TH ST. DELAMS. 20 SF SPALLS. A FEW HONEYCOMB AREAS. 1-5% DETERIORATED.
 WS: TRANSVERSE CRACKS. A FEW ISOLATED AREAS OF MODERATE SCALING. 5 SF BREAKING UP. RAMP IS 30 TO 40% DELAM. MINOR DELAM TO MAINLINE. 5 TO 10% DETERIORATED.
 DRAINAGE: SOME DOWNSPOUTS HAVE RUSTING THROUGH HOLES AT THE DECK. RUSTING SECTION LOSS AT OTHER AREAS. 50% OF RAMP DOWNSPOUTS ARE PLUGGED.
 EXJT: SEVERAL SEALS ARE TORN. GOUGES IN JOINT ARMOUR.
 PLOW DAMAGE WITH 4 LF MISSING RISER BAR @ SOUTHERNMOST W.14TH RAMP HINGE. 3 BEAMS INTO FINISH BW OF MAINLINE.

Superstructure:

GIRDERS: RUSTED SECTION LOSS AT HINGES. LOWER FLANGE SPLICE PLATE AT NORTH FIELD SPLICE OF BEAM #5 IN SPAN #5 IS BENT (SEE PHOTO DATED 12-29-94 IN BRIDGE FILE.)
 XFRAMES: RUSTED THROUGH HOLES IN X-FRAME ANGLES AT HINGES & ABUTMENTS. ENDFRAME RUSTED SECTION LOSS AT START (S) ABUTMENT.
 BEARINGS: LEFT (W) ROCKER AT W.14TH ST. RAMP ABUTMENT IS SEVERELY TIPPED IN AT 60 DEGREES F. START ABUT ROCKERS FASCIA BEAMS ONLY TIP IN.
 PAINT: 2% RUST. 1-5% DETERIORATED.
 HINGES: RUSTED SECTION LOSS OF LOWER FLANGES AND WEBS OF CANTILEVERED BEAMS AT SEATED HINGES.

Substructure:

PIERS: EPOXY-INJECTED CRACKS. LARGE DELAMINATIONS ON BOTH CAPS AND COLUMNS. COLUMN SPALLS. FLEXURAL CRACKS IN CAPS.
 PIER SEATS: A FEW SPALLS AND DELAMS.
 BACKWALLS: CRACKS. DELAMINATIONS. A FEW SPALLS. LARGE DELAM BEHIND #1 BEAM AND A 3 SF SPALL BEHIND #6 BEAM FINISH BW OF MAINLINE.

Approaches:

PAVEMENT: A FEW SHALLOW POTHOLES.