

## BRIDGE INSPECTION REPORT

1805371  
Structure File Number

BRIDGE NUMBER CUY 00071 1791 R

YEAR BUILT 1969

DIST 12 Bridge Type 322 TYPE SERVICE 6 1 SR 176(1328)JENNINGS FWY

<b>DECK</b>	out/out 64 Deck Area 115,907 sqft		4 DENSE CONCRETE (IOWA SYSTEM) OVERLAY	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	2	2. WEARING SURFACE	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	2
			3 SCUPPERS & DWNSPTS	
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 121	1	10. BEAMS/GIRDERS/SLAB	1
			28 ROLLED STEEL	
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
			2 ROCKERS	
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	6
			Paint Date 1/1/1991	
			5 PAINT SYSTEM OZE	
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	1
			Abutment: ON PILING	
35. PIERS		2	36. PIER SEATS	1
			5 CAPPED COLUMN	
			Piers: ON PILING	
37. BACKWALLS		2	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 20 07 NN Spans = 28		40. SCOUR (INSP TYPE - 1,2,3)	
41. SLOPE PROTECTION	2 STONE (NO.1 AGGREGATE)	1	42. SUMMARY	6
			Dive Date 12/30/1899	
<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	7
			Percent Legal = 150	
<b>GENERAL</b>				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	4
			Maint Resp 1 OHIO TRAN DEPT	
63. SIGN SUPPORTS	Signs on = Y MVC on = 9999.9 Under C = 15.2	1	64. UTILITIES	
65. VERTICAL CLEARANCE	Under NC = 14.8	1	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 12/15/2011

1 1 1 1 N 1 N N  
SURVEY

DATE 2/27/2012

## DECK

FLOOR: LEACHING TRANSVERSE CRACKS. MOTTLED AREAS IN SPAN 7&8, BAYS 3 & 4. TWO FULL DEPTH REPAIRS, ONE WITH FORMWORK. 5-10% DETERIORATED.

WEARING SURFACE: OVER 2000 SF OF CONCRETE PATCHES. 80 SF BREAKING UP. 490 SF OF ASPHALT PATCHES. DELAMINATED AREAS. 5-10% DETERIORATED.

RAILING: SPALLS & DELAMINATED AREAS. 6' LONG DETERIORATED AREA IN RIGHT RAIL OF RAMP TO WEST 14TH/WB 90 (UNIT 4AE). TROWLEABLE MORTAR WEDGE DELAMINATING FROM PARPET RETROFIT. IMPACT ATTENUATOR DAMAGED @ GORE RAMP AE.

DRAINAGE: HOLES IN DOWNSPOUTS NEAR BOTH MAINLINE ABUTMENTS. DOWNSPOUT AT EAST END OF PIER 18 AE IS PLUGGED WITH CONCRETE AT OUTLET. DOWNSPOUT PLUGGED @ FWD ABUT AE. LOOSE DEBRIS IN BERMS.

EXPANSION JOINTS: TORN SEALS. ALL BEAMS 1/2" TO BACKWALL AT WEST 14TH EXIT RAMP ABUTMENT. (2009 BEAMS #1&2 INTO BACKWALL @ W. 14TH RAMP ABUT.)

## SUPERSTRUCTURE

BEAMS: RUST SECTION LOSS UNDER EXPANSION JOINTS.

XFRAMES: RUST THRU HOLES, RUST SEVERED ANGLES AND CRACKED WELDS OF XFRAMES UNDER SEATED HINGES.

BEARINGS: ROCKERS FOR BEAMS L AND N ARE TIPPED IN AT PIER 1. ROCKER #1 TIPPED OUT AT ABUTMENT AW.

PAINT: ACTIVE CORROSION UNDER EXPANSION JOINTS. 2% RUST OVERALL. 5-10% DETERIORATED.

HINGES: RUST SECTION LOSS. A FEW BENT STIFFENERS.

## SUBSTRUCTURE

PIERS: DELAMINATIONS AND SPALLS TO COLUMNS BEHIND PARAPETS OF LOWER BRIDGE.

4SF DELAM PIER 18AE. SOME CAPS HAVE BEEN FIBER WRAPPED. STEEL PIER CAPS HAVE MANY POOR WELDING DETAILS. WATER INFILTRATING STEEL BOX PIER CAP.

BACKWALLS: SPALLS BEHIND BOTH FASCIA BEAMS AT FWD ABUTMENT AW I-90 EB. SPALLS & DELAMS @ FWD ABUTMENT AE.

## GENERAL

LAST CONSULTANT INSPECTION BY EUTHENICS IN 2006.

SNOOPERED ON 07/13/10 BY AH KB.

STEEL PIER CAP ENTERED BY DB & AP 12/8/11.