

## BRIDGE INSPECTION REPORT

1805371

BRIDGE NUMBER

CUY 00071 1791 R

YEAR BUILT

1969

Structure File Number

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	Thk 1.2 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	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 121	1	10. BEAMS/GIRDERS/SLAB	28 ROLLED STEEL 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		2	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 5 PAINT SYSTEM OZEU 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>				
33. ABUTMENTS	5 STUB GRAVITY	1	34. ABUTMENT SEATS	5 STUB GRAVITY 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 = 20 07 NN Spans = 28		40. SCOUR (INSP TYPE - 1,2,3)	
41. SLOPE PROTECTION	2 STONE (NO.1 AGGREGATE)	1	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			52. PROTECTION	X N/A
53. HYDRAULIC OPENING	N NOT OVER WATERWAY		54. SUMMARY	
<b>APPROACHES</b>				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	2	58. RELIEF JOINTS	1
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 6
<b>GENERAL</b>				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 4
63. SIGN SUPPORTS	Signs on = Y MVC on = 9999.9	2	64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 15.2 Under NC = 14.8	1	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

PE Number

SIGNED

59487

PE Number

Name KENNETH BANASZAK

Name YOUSSEF SEIF

DATE 8/30/2013

1 1 1 1 N N N N  
SURVEY

DATE 9/24/2013

## DECK

FLOOR: TRANSVERSE LEACHING CRACKS. MOTTLED/WET AREAS.  
STALACTITES. EPOXY INJECTED AREAS. TWO FULL DEPTH REPAIRS  
(ONE WITH FORMWORK LEFT IN). A FEW AREAS SHOW HONEYCOMBING  
& SPALLING WITH EXPOSED REBAR. HAUNCH SPALLS OVER P6 WITH  
AREAS OF RUSTING TO TOP FLANGES. OTHER SPALLS. DELAMS.  
FLOOR IS 5-10% DETERIORATED.

WEARING SURFACE: TRANSVERSE CRACKS. AREAS OF MAP CRACKING &  
SPALLING. AREAS OF BREAK UP. ASPHALT & CONCRETE PATCHES.  
WS IS 5-10% DETERIORATED.

RAILING: VERTICAL & HORIZONTAL CRACKS, SOME LEACHING.  
SEVERAL SPALLS TO INSIDE TOE. MULTIPLE SPALLS WITH EXPOSED  
REBAR TO OUTSIDE.

DRAINAGE: PARTIALLY PLUGGED SCUPPERS. DEBRIS IN RIGHT BERM.  
RUSTING SECTION LOSS & THRU HOLES TO SOME DOWNSPOUTS.  
PORTIONS OF DRAIN HAVE BROKEN OFF IN SPANS 12, 18AE & 18AW.

EXJTS: SEALS SHOW SIGNS OF MINOR LEAKAGE. DEBRIS IN MOST  
JOINTS.

## SUPERSTRUCTURE

BEAMS/GIRDERS: RUSTING SECTION LOSS @ VARIOUS LOCATIONS  
ESPECIALLY ON BOTTOM FLANGES, @ SPLICE BOLTS, NEAR THE  
SEATED HINGES & AT THE BEAM ENDS. LIGHT GRIND MARKS NEAR  
FACTORY SPLICE WELDS. GOUGE MARKS ON BEAM 5 IN SPAN 14.

XFRAMES: RUSTING SECTION LOSS & THRU HOLES. SOME ANGLES  
HAVE CRACKED WELDS & ARE TORN/RUST SEVERED ESPECIALLY  
UNDER SEATED HINGES. AREAS OF PACK RUST @ GUSSET PLATES.

LATERAL BRACING: PACK RUST IS BOWING THE GUSSET PLATE IN  
SPAN 18AE. BENT GUSSET PLATE IN SPAN 19AE. LOOSE BOLTS  
IN SPANS 21AE & 23AE.

BEARING DEVICES: RUSTING SECTION LOSS. PACK RUST FORMING  
TO SOME. BEARING #1 ON FORWARD ABUTMENT AW IS ENGULFED  
IN DEBRIS. BEARINGS 1, 2 & 4 ON FORWARD ABUTMENT AE ARE  
TIPPED OUT.

PCS: ACTIVE CORROSION UNDER JOINTS. AREAS OF PEELING &  
PAINT RUNS. 1-5% RUST. PCS IS 5-10% DETERIORATED.

PINS/HANGERS/HINGES: RUSTING SECTION LOSS @ SEATED HINGES.  
A FEW BENT STIFFENERS. WARPED STEEL TO HINGE OF BEAM #2 IN  
SPAN 7. LOOSE SEATED HINGE ROLLER BEARINGS IN: SPAN 7,  
BEAMS 4-7 & SPAN 18AW, BEAM 4.

FPD: WELDED MOMENT PLATES @ PIERS.

## SUBSTRUCTURE

ABUTMENTS: CRACKS, SOME LEACHING.

PIERS: DELAMS, CRACKS & SPALLS, SOME LARGE & WITH EXPOSED REBAR, TO COLUMNS & CAPS. AREAS OF P6 CAP ARE FIBER WRAPPED. PIER 17 IS A STEEL BOX CAP THAT HAS PEELING PAINT & SURFACE CORROSION AT VARIOUS LOCATIONS. INSIDE THE CAP ARE STEEL INCLUSIONS, A GOUGE & EVIDENCE OF WATER INFILTRATION. PIER CAPS 18AE THRU 22AE HAVE CRACKS WITH DRILLED HOLES TO ARREST CRACKS.

PIER SEATS: MULTIPLE AREAS OF SEAT EDGE CRACKS. PIER 19AE COLUMN 1 HAS A SPALL GOING INTO THE SEAT.

BACKWALLS: DELAMS. SPALLS. BOTH CORNERS OF FORWARD ABUTMENT AW HAVE THRU HOLES.

WINGWALLS: FORWARD ABUTMENT AW HAS MISSING JOINT MATERIAL ON THE RIGHT WW & A SPALL WITH EXPOSED REBAR ON THE LEFT WW.

## APPROACHES

PAVEMENT: REAR & FORWARD MAINLINE ARE NEW IN 2013.

APPROACH SLABS: SMALL THRU HOLE IN FORWARD-LEFT CORNER OF MAINLINE SLAB.

GUARDRAIL: COLLISION DAMAGE TO BOTH REAR GUARDRAIL.

## GENERAL

WARNING SIGNS: NO END MARKERS.

SIGN SUPPORTS: THE SIGN ATTACHED TO P15 HAS 2 LOOSE BOLTS.

NOTE: COULD NOT SEE IN 2013.

SNOOPERED HIGH SPEED SIDE ON 7/02/13.

INSPECTED WITH DB IN 2013.