

BRIDGE INSPECTION REPORT

4301714

BRIDGE NUMBER

LAK 0002 1656 R

YEAR BUILT

1964

Structure File Number

DIST 12

Bridge Type 322

TYPE SERVICE 1 5

GRAND RIVER

DECK	out/out 36.9 Deck Area 9,784 sqft		3 LATEX MODIFIED CONCRETE OVERLAY	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	2	2. WEARING SURFACE	Thk 1.2 Wear Date 7/1/1989 2
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	Lanes on 2
5. RAILING	C 32" DEFLECTOR-TYPE PARAPET (NJ SHAP)	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 1
7. EXPANSION JOINTS	2 SLIDING METAL PLATE ANGLE	2	8. SUMMARY	6
SUPERSTRUCTURE			3 WELDED BUILT-UP STEEL	
9. ALIGNMENT	Max Spans 100	1	10. BEAMS/GIRDERS/SLAB	1
11. DIAPHRAGMS or CROSSFRAMES		1	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 1
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/1/1992 0 OTHER 6
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	7
SUBSTRUCTURE			5 STUB GRAVITY	
33. ABUTMENTS	5 STUB GRAVITY	1	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		1	36. PIER SEATS	2 CANTILEVER(TEE) OPEN PANEL Piers: NOT ON PILING 1
37. BACKWALLS		2	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	2 2
41. SLOPE PROTECTION	3 RIP RAP (DUMPED ROCK)	1	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 (INSP TYPE - 1,2,3)	
49. ABUTMENT			50. SUMMARY	
CHANNEL				
51. ALIGNMENT		1	52. PROTECTION	5 RIP RAP (DUMPED ROCK OR ROCK) 1
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING APPR	2	54. SUMMARY	6
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 1
63. SIGN SUPPORTS	Signs on = N MVC on = 9999.9		64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 0 Under NC = 0	N	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 10/30/2013

1 1 1 1 N N N N
SURVEY

DATE 12/10/2013

DECK

FLOOR: TRANSVERSE CRACKS. AS MUCH AS 35 SF OF DELAMINATIONS AND 15 SF OF SPALLS (MOSTLY HAUNCH). 1-5% DETERIORATED.
WEARING SURFACE: CRACKS (SOME AS WIDE AS 1/8"). A FEW DELAMS. 1 SF SHALLOW SPALL. 1-5% DETERIORATED.
RAILINGS: VERTICAL CRACKS.
DRAINAGE: WATER SPRAYS FROM DOWNSPOUTS WHICH ARE 3.5" BELOW BOTTOM FLANGES ONTO BEAMS. RUST THRU HOLES AT ENDS OF DOWNSPOUTS.
EXJTS: A FEW GOUGES. 2.5' OF REAR RISER BAR CUT OUT DURING THE 2013 INSPECTION.

SUPERSTRUCTURE

ALIGNMENT: LOWER FLANGE OF RIGHT FASCIA BEAM IS SLIGHTLY WARPED IN SPAN 1.
BEAMS: AREAS OF RUSTING SECTION LOSS (HEAVY AT BEAM ENDS).
XFRAMES: RUSTING SECTION LOSS TO ENDFRAMES. BENT HORIZONTAL ANGLE IN BAY 1 NEAR FORWARD ABUTMENT.
PCS: GIRDERS ARE RUSTING NEAR LOWER ENDS OF DOWNSPOUTS. PAINT FAILING AT BEAM ENDS. 5-10% DETERIORATED.

SUBSTRUCTURE

ABUTMENTS: CRACKS. SOME RUST STAINS.
BACKWALLS: DELAMINATIONS. CRACKS AND SPALLS MOSTLY NEAR TOPS. SCALING AT FORWARD.
WINGWALLS: SCALING. A FEW CRACKS AND SPALLS.
SCOUR: PIER 1 HAS NO FOOTING EXPOSURE. PIER 2 HAS APPROX. 8" OF FOOTING EXPOSURE WITH 24" AT UPSTREAM NOSE. NO UNDERMINING. PLANS CALL OUT FOOTING IS 3" INTO SHALE.

CHANNEL

HYDRAULIC OPENING: LARGE LOGS SNAGGED ON UPSTREAM NOSE OF PIER 2. BRANCHES SNAGGED ON UPSTREAM NOSE OF PIER 1.
BRANCHES SNAGGED IN CROSSFRAMES AND CHANNEL DEBRIS WEDGED ALONG REAR ABUTMENT. COLLISION DAMAGE TO RIGHT FASCIA BEAM, SEE ALIGNMENT.

APPROACHES

PAVEMENT: A FEW CRACKS. MINOR SPALLS TO TOPS OF BACKWALLS.
APPROACH SLABS: ASPHALT PATCHES AND SMALL POTHOLES AT REAR.

GENERAL

LAST DIVE INSPECTION IN 2007.
2007 QAR STICKER.