

BRIDGE INSPECTION REPORT

4301714
Structure File NumberBRIDGE NUMBER **LAK 0002 1656 R**YEAR BUILT **1964**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)	1	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)	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 1
7. EXPANSION JOINTS	2 SLIDING METAL PLATE ANGLE	3	8. SUMMARY	6
SUPERSTRUCTURE				
9. ALIGNMENT	Max Spans 100	1	10. BEAMS/GIRDERS/SLAB	3 WELDED BUILT-UP STEEL 1
11. DIAPHRAGMS or CROSSFRAMES		1	12. JOISTS/STRINGERS	
13. FLOOR BEAMS			14. FLOOR BEAM CONNECTIONS	
15. VERTICALS			16. DIAGONALS	
17. END POSTS			18. TOP CHORD	
19. LOWER CHORD			20. LOWER LATERAL BRACING	
21. TOP 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 CONNECTIONS	
31. LIVE LOAD RESPONSE		S	32. SUMMARY	7
SUBSTRUCTURE				
33. ABUTMENTS	5 STUB GRAVITY	1	34. ABUTMENT SEATS	5 STUB GRAVITY 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	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	Culvert Fill Depth 0
49.			50. SUMMARY	
CHANNEL				
51. ALIGNMENT		1	52. PROTECTION	5 RIP RAP (DUMPED ROCK OR ROCK) 1
53. WATERWAY ADEQUACY	8 SLIGHT CHANCE OVERTOPPING	2	54. SUMMARY	6
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	2	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	2	58. RELIEF JOINTS	1
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 6
GENERAL				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT
63. SIGN SUPPORTS	Signs on = N MVC on = 9999.9 Under C = 0		64. UTILITIES	
65. VERTICAL CLEARANCE	Under NC = 0	N	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

PE Number

MJS
INITIALS

SIGNED

60048 MJM
PE Number INITIALS

DATE 8/4/2009

1 0 0 0 1 N N N
SURVEY

DATE 10/17/2009

DECK

FL: TRANSVERSE CRACKS. 30 SF OF DELAMINATIONS. 10 SF OF SPALLS (MOSTLY HAUNCH). <1% DETERIORATED.
WS: CRACKS. A FEW DELAMINATIONS. 1-5% DETERIORATED.
RAILINGS: VERTICAL CRACKS.
DRAINAGE: WATER SPRAYS FROM DOWNSPOUTS WHICH ARE 3.5" BELOW BOTTOM FLANGES ONTO BEAMS.
EXJTS: TOP FLANGE OF RIGHT GIRDER IS 1/4" FROM FINISH BACKWALL AT 80 DEGREES F.

SUPERSTRUCTURE

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

SUBSTRUCTURE

BACKWALLS: DELAMINATIONS. CRACKS MOSTLY NEAR TOPS. SCALING AT FINISH.
WINGWALLS: SCALING. A FEW CRACKS AND SPALLS.
SCOUR: ENTIRE TOP SURFACE AND AS MUCH AS 24" OF VERTICAL FACE (SOUTHEAST CORNER) OF PIER #2 ARE EXPOSED TO FLOWING STREAM WATER.
NOTE: LAST DIVE INSPECTION IN 2007.

CHANNEL

WATERWAY ADEQUACY: 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 START ABUTMENT. COLLISION DAMAGE TO RIGHT FASCIA BEAM, SEE ALIGNMENT.

APPROACHES

PAVEMENT: CRACKS. ASPHALT PATCHES ALONG TOPS OF BOTH BACKWALLS.
GUARDRAIL: START-RIGHT MINOR COLLISION DAMAGE.

GENERAL

QAR 2007 12-0001.