

BRIDGE INSPECTION REPORT

4303938

BRIDGE NUMBER

LAK 00090 0645 R

YEAR BUILT

1960

Structure File Number

DIST 12

Bridge Type 322

TYPE SERVICE

1 5

CHAGRIN RIV E BR MP 192.6

DECK	out/in 56.3 Deck Area 14,930 sqft		4 DENSE CONCRETE (IOWA SYSTEM) OVERLAY	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 2 Wear Date 12/15/1995 1
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	Lanes on 3
5. RAILING	D 42" DEFLECTOR-TYPE PARAPET (NJ SHAP)	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 1
7. EXPANSION JOINTS	2 SLIDING METAL PLATE ANGLE	1	8. SUMMARY	7
SUPERSTRUCTURE			3 RIVETED BUILT-UP STEEL	
9. ALIGNMENT	Max Spans 100	1	10. BEAMS/GIRDERS/SLAB	2
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 1/11/1982 4 PAINT SYSTEM B 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
SUBSTRUCTURE			5 STUB GRAVITY	
33. ABUTMENTS	5 STUB GRAVITY	1	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		1	36. PIER SEATS	3 CANTILEVER(TEE) SOLID PANEL Piers: NOT ON PILING 1
37. BACKWALLS		1	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	2 1
41. SLOPE PROTECTION	2 STONE (NO.1 AGGREGATE)	2	42. SUMMARY	Dive Date 12/30/1899 7
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	N NONE
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING APPR	1	54. SUMMARY	7
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	2
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		2	60. SUMMARY	Percent Legal = 150 6
GENERAL				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 1
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

Name MICHAEL SUTAK

PE Number

SIGNED

Name YOUSSEF SEIF

59487

PE Number

DATE 4/25/2013

1 0 0 0 N N N N
SURVEY

DATE 5/21/2013

DECK

FLOOR: LEACHED CRACKS. MINOR HAUNCH SPALLS. FLOOR <1%
DETERIORATED.

WEARING SURFACE: CRACKS. FEW SHALLOW SPALLS. WS <1%
DETERIORATED.

RAILING: MINOR CRACKS.

DRAINAGE: AREAS OF RUSTED SECTION LOSS & FEW RUSTED
THRU HOLES TO DOWN SPOUTS. DEBRIS IN BOTH BERMS.

SUPERSTRUCTURE

GIRDERS: RUSTED SECTION LOSS AT ABUTMENTS. & TO FASCIAS @
LOWER FLANGES. SMALL THRU HOLES TO LOWER FLANGE OF RIGHT
FASCIA @ REAR. RUSTED THRU HOLE TO LEFT FASCIA BEHIND
BEARING @ REAR. FLANGE ANGLES ARE STICH WELDED (2" STICH
WELDS ON 12" CENTERS) TO BOTH WEB & FLANGE PLATES IN
POSTIVE MOMENT AREAS.

XFRAMES: ENDFRAME RUSTED SECTION LOSS.

BEARINGS: AREAS OF FRETTING TO ROCKERS. BOLSTER #2 ON P1
IS MISSING 2 FASTENERS.

PCS: BEAM ENDS PAINTED IN 2002. AREAS OF PEELING PAINT.
1-5% RUST. PCS IS 1-5% DETERIORATED.

FPD: 2" STITCH WELDS ON 12" CENTERS.

SUBSTRUCTURE

ABUTMENTS: CRACKS. MINOR DELAMS.

PIERS: VERTICAL CRACKS IN CAPS OF PIERS. THRU CRACK IN CAP
OF PIER #2 BELOW BAY #5.

BACKWALLS: CRACKS. MINOR SPALLS & DELAMS. MINOR
HONEYCOMBING.

WINGWALLS: FORWARD RIGHT WINGWALL HAS CRACKS INTO CHEEKWALL.

SLOPE PROTECT: TOP 4" OF REAR ABUT FOOTER ARE EXPOSED BELOW
RIGHT BAY NEAR SCUPPERS. TOP 2" OF FORWARD ABUT FOOTER
EXPOSED BELOW BAY #2. FORWARD SLOPE EROSION UNDER LEFT
SCUPPERS. CHANNEL/SLOPE EROSION NEAR PIERS #1 & #2.

SCOUR: SOME EROSION NEAR PIERS.

APPROACHES

PAVEMENT: CRACKS. ASPHALT PATCHES. ASPHALT BREAK UP.

SLAB: BOUNCE ONTO BRIDGE.

EMBANKMENT: EROSION TO FORWARD-RIGHT EMBANKMENT.

GENERAL

NO FORWARD-LEFT TRANSITION/RAIL/ET.

SNOOPER INSPECTION IN 2013.

INSPECTED WITH DB IN 2013.