

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

4	3	0	3	0	4	0
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Bridge Number **LAK 00084 1888**
CO ROUTE UNIT

PAINESVILLE

Date Built **08/16/2006**

District **12** Bridge Type **PRESTRESSED CO/BEAM/SIMPLE SPAN**

Type Service **1 15 GRAND RIVER**

LAK

DECK		Out/Out 42.0	1	THCK = 1.0		1
1. Floor	1-REINF CONCRT (PRESTRSD	8	1	2. Wearing Surface	2-INTEGRAL CONCRETE (MON	41
	1-CONCRETE				W.S. Date = 08/16/2006	
3. Curbs, Sidewalks, Walkways	1-CONCRETE	9	1	4. Median		42
5. Railing	1-REINFORCED CONCRETE PA	10	1	6. Drainage	3-SCUPPERS & DWNSPTS	43
7. Expansion Joints	8-ELASTOMERIC STRIP SEAL	11	1	8. Summary		44
						8
SUPERSTRUCTURE		MAX.SPAN=110	1			1
9. Alignment		12	1	10. Beams/Girders/Slab	5-CONCRETE GIRDER	45
11. Diaphragms or Crossframes	TOT.LGTH=736	13	1	12. Joists/Stringers		46
13. Floor Beams		14		14. Floor Beam Connections		47
15. Verticals		15		16. Diagonals		48
17. End Posts		16		18. Top Chord		49
19. Lower Chord		17		20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19		24. Bearing Devices	C-ELASTOMERIC (LAMIN.) N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = N-NONE DATE =	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
						8
SUBSTRUCTURE		2-CONCRETE	1	PIERS=6 SPANS = 7		1
33. Abutments	2-CONCRETE	24	1	34. Abutment Seats		57
35. Piers	TYPE = 2-CONCRETE	25	1	36. Pier Seats		58
37. Backwalls		26		38. Wingwalls	ABUTMENT:=DRILLED / CIP REI	59
39. Fenders and Dolphins		27		40. Scour	7-COUNTERMEAS INSTALLED	60
41. Slope Protection	3-RIP RAP (ROCK)	28	2	42. Summary	DIVE DT=10/27/2009	62
						7
CULVERTS						
43. General		29		44. Alignment		63
45. Shape		30		46. Seams		64
47. Headwalls or Endwalls		31		48. Scour		65
49.		32		50. Summary		66
CHANNEL				5-RIP RAP (DUMPED ROCK OR ROCK)		
51. Alignment		33	2	52. Protection		67
53. Waterway Adequacy		34	2	54. Summary		68
						5
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	1-STEEL BEAM	36	1	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=28.0	37	1	60. Summary	PCT.LEGAL=150	71
						6
GENERAL				ROUTINE.RESP: 4-CITY/LOCAL		
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 1-OHIO TRAN DEPT	72
63. Sign Supports	MVC ON=9999 UND=0000	39		64. Utilities	WAT/	73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74
						COND STAT 7 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

7	2	3	3	6
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76 PE

M	W	B
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78 INITIALS

SIGNED

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81 PE

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83 INITIALS

DOT 2852

DECK AREA 30,925

Date

1	1	0	9	1	0
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86

91

1	1	1	1	1	N	N	N
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92

69 Survey

99

Date

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100

105

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1 Structure File Number 7

Bridge Number **LAK** **00084** **1888**
CO ROUTE UNIT

Date Built 08/16/2006

District **12** Bridge Type **PRESTRESSED CO/BEAM/SIMPLE SPAN**

Type Service **1 15**

GRAND RIVER

Deck FLOOR: MINOR CRACKS. <1% DET.
Deck WS: MINOR CRACKS. <1% DET.
Deck RAILINGS: VERTICAL CRACKS, PEELED TOP COAT ON RIGHT RAIL, SP
Deck 2, 5 LF.
Deck DRAINAGE: ISOLATED PONDING IN RIGHT CURBLINE
Deck EXJTS: LOOSE BOLTS AT FINISH DECK ARMOR.
Superstructure BEAMS: ONE SMALL CHIP ON LEFT FASCIA BEAM SPAN 3.
Superstructure DIAPHRAGMS: 5 SF DELAMINATION TO CONCRETE IN BAY #2 OVER
Superstructure PIER #1. SEE ATTACHED PHOTOS 1 AND 2 DATED
Superstructure 7/28/08.
Substructure PIERS: CRACKS IN STEMS. SEE DIVE REPORT DATED 10/27/09.
Substructure SCOUR: SCOUR HOLES AT UPSTREAM NOSES OF PIERS 2 (VISUAL) AND
Substructure 3 (PROBED). SEE ATTACHED DIVE REPORT DATED 10/27/09.
Substructure SLOPE PROTECTION: SOME STONE HAS WASHED AWAY.
Channel ALIGNMENT: CHANNEL MAKES 90 DEGREE BEND JUST UPSTREAM OF
Channel BRIDGE. BRAIDED CHANNEL DURING HIGH FLOW. SEE
Channel ATTACHED PHOTO DATED 12/03/09. SOME DIAGONAL FLOW
Channel INTO PIER STEMS. NOTE: USGS STREAM DATA
Channel COLLECTION MONITOR STATIONED ON WEST BANK.
Channel PROTECTION: LARGE STONE AROUND BASES OF PIERS 4, 5 AND 6
Channel HAS PARTIALLY WASHED AWAY. SEE ATTACHED PHOTOS
Channel 4 THRU 7 DATED 7/28/08.
Approaches PAVEMENT: SOME CRACKS TO REAR CONCRETE APPROACH SLAB.
Approaches TRANSVERSE CRACKS FULL WIDTH AT REAR AND LONGITUDINAL CRACKS
Approaches AT FORWARD. VEHICLES BOUNCE ONTO AND OFF OF BRIDGE
General UTILITIES: SOME MISALIGNMENT OF 16" PIPE IN BAY #3. SPAN 6,
General CONSTANT LEAKING AT THE RELEIF VALVE. SEE
General ATTACHED PHOTO 3 DATED 7/28/08.
