

BRIDGE INSPECTION REPORT

2800152
Structure File NumberBRIDGE NUMBER **GEA 00044 0135**YEAR BUILT **1960**DIST **12** Bridge Type **112** TYPE SERVICE **5 5** **LA DUE RES. 1.23 MIS 422**

DECK	out/out 43.8 Deck Area 4,650 sqft		3 LATEX MODIFIED CONCRETE OVERLAY	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	3	2. WEARING SURFACE	Thk 1.2 3
3. CURBS, SIDEWALKS AND WALKWAYS	Left N NONE / Right N NONE		4. MEDIAN	Lanes on 2
5. RAILING	7 STL GUARDRL ON STL, CONCR. OR T	1	6. DRAINAGE	1 OVER THE SIDE (W/O DRIP STRIP) 1
7. EXPANSION JOINTS	3 COMPRESSION SEAL	3	8. SUMMARY	4
SUPERSTRUCTURE			3 OTHER (CONCRETE RIGID FRAME)	
9. ALIGNMENT	Max Spans 40	1	10. BEAMS/GIRDERS/SLAB	3
11. DIAPHRAGMS or CROSSFRAMES			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	0 OTHER 1
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/10/1967 U UNKNOWN 6
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE CONNECTIONS	
31. LIVE LOAD RESPONSE		S	32. SUMMARY	4
SUBSTRUCTURE			3 SOLID WALL	
33. ABUTMENTS	3 SOLID WALL	2	34. ABUTMENT SEATS	Abutment: ON PILING 2
35. PIERS		2	36. PIER SEATS	4 OPEN COLUMN Piers: ON PILING 1
37. BACKWALLS		2	38. WINGWALLS	2
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3	1	40. SCOUR	2 3
41. SLOPE PROTECTION	0 ?? OTHER ??	4	42. SUMMARY	Dive Date 10/28/2009 4
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) 3
53. WATERWAY ADEQUACY	8 SLIGHT CHANCE OVERTOPPING	1	54. SUMMARY	4
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	2	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		3	60. SUMMARY	Percent Legal = 150 4
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	4 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

PE Number

KJB
INITIALS

SIGNED

59487 YSS
PE Number INITIALS

DATE 11/8/2010

1 1 1 1 1 N N N
SURVEY

DATE 2/16/2011

DECK

FL: SEE ITEM #10 (SLAB). FLOOR IS 25-30% DETERIORATED.
WS: CRACKS SOME AS WIDE AS 1/8". 250 SF OF ASPHALT PATCHES.
10% DELAMINATED. 30 SF BREAKING UP. 2 SF SPALLED. WS IS
15-20% DETERIORATED. SEE ATTACHED PHOTO 5 - 8 DATED
11/8/10.
RAILING: VERTICAL CRACKS.
EXJTS: ASPHALT PATCHES & BREAKING UP AT BOTH EXJTS; SEE
ATTACHED PHOTOS 6 & 7 DATED 11/8/10.

SUPERSTRUCTURE

SLAB: BOTH DECK EDGES ARE COMPLETELY SPALLED WITH 360 DEGREE
REBAR EXPOSURE. SPALLED AND DELAM AREAS UNDER LANES ABOVE:
SPAN #1= 170 SF SPALLED. SPAN #2= 185 SF SPALLED.
SPAN #3= 155 SF SPALLED. ALL THREE SPANS HAVE LONG LENGTHS

OF 360 DEGREE REBAR EXPOSED UNDER TRAFFIC. SEE ATTACHED
PHOTOS 1 - 5 DATED 11/8/10.

SUBSTRUCTURE

ABUTMENTS: SPALLS.
ABUTMENT SEATS: AREAS OF SEAT LOSS AT ENDS OF ABUTMENTS; SEE

ATTACHED PHOTOS 10 & 11 DATED 11/8/10.
PIERS: MINOR DELAMINATIONS AND SPALLS OF CAPS. RUSTING
SECTION LOSS OF STEEL PIER COLUMNS NEAR WATERLINE.
SCOUR: SOME EROSION IS HAPPENING BEHIND REAR ABUTMENT NEAR
CENTERLINE OF BRIDGE.
BACKWALLS: SPALLS. SOME DETERIORATED AREAS.
WINGWALLS: CRACKS. SPALLS. DETERIORATING CONCRETE.
SLOPE PROTECT: UNDERMINING OF BOTH ABUTMENTS EXPOSE SOME
PILES AT FORWARD ABUT AND ALL PILES AT REAR ABUT TO AIR &
WATER WHEN LAKE IS HIGH; SEE ATTACHED PHOTOS 9 - 12 DATED
11/8/10.

CHANNEL

PROTECTION: ALMOST ALL OF THE STONES HAVE WASHED AWAY FROM
BOTH ABUTMENTS.

APPROACHES

PAVEMENT: CRACKS. ASPHALT PATCHES ALONG TOPS OF BOTH
BACKWALLS WITH SOME BREAKING UP AREAS.
EMBANKMENT: EROSION AT ALL FOUR CORNERS. EROSION ALONG
NORTHWEST CAUSEWAY EMBANKMENT WITH SEVERAL WASHOUTS THAT
EXTEND TO GUARDRAIL POSTS.

GENERAL

LAST DIVE INSPECTION AND REPORT IN 2009.
INSPECTED WITH AH IN 2010.



P1: LOOKING NORTH IN SPAN #1 (SOUTH SPAN)

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P2: LOOKING EAST IN SPAN #1. NOTE 360 DEGREE REBAR EXPOSURE



P3: LOOKING NORTH AT MID-SPAN.



P5: TYPICAL EDGE SPALLING.



P4: LOOKING NORTH IN SPAN #3.

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P5: LARGE ASPHALT PATCHES AND BREAKING UP AREAS OVER MID-SPAN.



P6: REAR APPROACH AND DECK.



P7: FORWARD APPROACH AND DECK.



P8: ASPHALT PATCHES AND BREAKING UP AREAS OVER SPAN #1 AND PIER #1.

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P9: FORWARD ABUTMENT UNDERMINED.



P10: FORWARD ABUTMENT SEAT LOSS UNDER NORTHWEST CORNER OF THE DECK.



P11: FORWARD ABUTMENT SEAT LOSS UNDER NORTHEAST CORNER OF THE DECK.



P12: REAR ABUTMENT UNDERMINED. A FEW AREAS OF THE UNDERMINING ARE STARTING TO GET BEHIND BACKWALL HERE.