

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	4
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	
			Lanes on 2	
5. RAILING	7 STL GUARDRL ON STL, CONCR. OR T	1	6. DRAINAGE	1
			1 OVER THE SIDE (W/O DRIP STRIP)	
7. EXPANSION JOINTS	3 COMPRESSION SEAL	2	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. UPPER CHORD	
19. LOWER CHORD			20. GUSSET PLATES	
21. LATERAL BRACING			22. SWAY BRACING	
23. PORTALS			24. BEARING DEVICES	1
			0 OTHER	
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	6
			Paint Date 1/10/1967	
			U UNKNOWN	
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	4
SUBSTRUCTURE			3 SOLID WALL	
33. ABUTMENTS	3 SOLID WALL	2	34. ABUTMENT SEATS	2
			Abutment: ON PILING	
35. PIERS		2	36. PIER SEATS	1
			4 OPEN COLUMN	
			Piers: ON PILING	
37. BACKWALLS		2	38. WINGWALLS	2
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	3
			2	
41. SLOPE PROTECTION	0 ?? OTHER ??	4	42. SUMMARY	4
			Dive Date 10/28/2009	
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	3
	8 SLIGHT CHANCE OVERTOPPING		5 RIP RAP (DUMPED ROCK OR ROCK)	
53. HYDRAULIC OPENING		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	4
			Percent Legal = 150	
GENERAL				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	4
			Maint Resp 1 OHIO TRAN DEPT	
63. SIGN SUPPORTS	Signs on = N MVC on = 9999.9		64. UTILITIES	
	Under C = 0			
65. VERTICAL CLEARANCE	Under NC = 0	N	66. GENERAL APPRAISAL & OPERATIONAL STATUS	4
				A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

PE Number

SIGNED

59487

PE Number

Name MICHAEL SUTAK

Name YOUSSEF SEIF

DATE 9/28/2011

1 1 1 1 N N 0 N
SURVEY

DATE 1/24/2012

DECK

FLOOR: SEE ITEM #10 (SLAB). FLOOR IS 25-30% DETERIORATED.
WS: CRACKS SOME AS WIDE AS 1/8". 400 SF OF ASPHALT PATCHES.
15% DELAMINATED. 40 SF BREAKING UP. WS IS 25-30%
DETERIORATED. SEE ATTACHED PHOTO P6 DATED 12/08/11.
RAILING: VERTICAL CRACKS.
EXJTS: ASPHALT PATCHES, SOME BREAKING UP AT BOTH EXJTS.

SUPERSTRUCTURE

SLAB: BOTH DECK EDGES ARE COMPLETELY SPALLED WITH 360
DEGREE REBAR EXPOSURE. SPALLED AREAS UNDER TRAFFIC
AS FOLLOWS: SPAN #1= 200 SF SPALLED, SPAN #2= 225 SF
SPALLED AND SPAN #3= 185 SF SPALLED. ALL THREE SPANS
HAVE LONG LENGTHS OF 360 DEGREE REBAR EXPOSED UNDER
TRAFFIC. SEE ATTACHED PHOTOS P1 - P5 DATED 11/8/10.

SUBSTRUCTURE

ABUTMENTS: SPALLS.
ABUTMENT SEATS: AREAS OF SEAT LOSS AT ENDS OF ABUTMENTS.
SEE ATTACHED PHOTOS P10 & P11 DATED 11/8/10.
PIERS: MINOR DELAMINATIONS AND SPALLS OF CAPS. RUSTING
SECTION LOSS OF STEEL PIER COLUMNS NEAR WATERLINE.
SCOUR: BOTTOM OF ENTIRE REAR (SOUTH) ABUTMENT FOOTING IS
EXPOSED WITH 1' OF PILES EXPOSED. SCOUR HAS PUNCHED
THRU UNDER REAR ABUTMENT TO APPROACH FILL.
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 P9 AND P12
DATED 11/8/10.

CHANNEL

PROTECTION: ALMOST ALL OF THE STONE HAS WASHED AWAY FROM
BOTH ABUTMENTS.
MAXIMUM WATER DEPTH AT PIER 1 = 12' 6", PIER 2 = 12' 4".
REFERENCE POINT IS BOTTOM OF PIER 2 CAP TO WATER = 3' 4".

APPROACHES

PAVEMENT: CRACKS. ASPHALT PATCHES ALONG TOPS OF BOTH
BACKWALLS WITH SOME BREAKING UP AREAS.
EMBANKMENT: EROSION AT ALL FOUR CORNERS WHICH EXTENDS INTO
THE BERM AND PARTIALLY EXPOSES SOME GUARDRAIL POSTS.
EROSION ALONG NORTHWEST CAUSEWAY EMBANKMENT WITH SEVERAL
WASHOUTS THAT EXTEND TO GUARDRAIL POSTS.

GENERAL

WARNING SIGNS: NO END MARKERS.

LAST DIVE INSPECTION AND REPORT IN 2009.



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.



P6: Wearing surface viewed facing north from south end of deck.

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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.