

BRIDGE INSPECTION REPORT

2801655
Structure File NumberBRIDGE NUMBER **GEA 00422 0986 L**YEAR BUILT **1960**DIST **12** Bridge Type **322** TYPE SERVICE **1 5** **LA DUE RES. 0.71 MI E 44**

DECK	out/out 41.3 Deck Area 9,085 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 2 Wear Date 1/1/1994 1
3. CURBS, SIDEWALKS AND WALKWAYS	Left N NONE / Right N NONE		4. MEDIAN	Lanes on 2
5. RAILING	C 32" DEFLECTOR-TYPE PARAPET (NJ)	1	6. DRAINAGE	0 OTHER-NATURAL(OFF THE BRIDGE ENDS) 1
7. EXPANSION JOINTS	3 COMPRESSION SEAL	3	8. SUMMARY	7
SUPERSTRUCTURE			4 ROLLED STEEL	
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	2
11. DIAPHRAGMS or CROSSFRAMES		2	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 2
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/1/1987 5 PAINT SYSTEM OZE 6
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
SUBSTRUCTURE			6 STUB-CAPPED PILE (SINGLE ROW PILES)	
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	1	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		1	36. PIER SEATS	5 CAPPED COLUMN Piers: ON PILING 1
37. BACKWALLS		1	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 03 NN NN Spans = 4		40. SCOUR (INSP TYPE - 1,2,3)	2 1
41. SLOPE PROTECTION	3 RIP RAP (DUMPED ROCK)	1	42. SUMMARY	Dive Date 10/28/2009 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	2 STONE 1
53. HYDRAULIC OPENING	6 (SEE CODING GUIDE)	1	54. SUMMARY	8
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	2
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		1	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

SIGNED

Name MICHAEL SUTAK

PE Number

68. REVIEWED BY

SIGNED

Name YOUSSEF SEIF

59487

PE Number

DATE 10/10/2012

1 1 1 1 N N N N
SURVEY

DATE 12/27/2012

DECK

FLOOR: A FEW TRANSVERSE CRACKS. FLOOR <1% DETERIORATED.
WS: CRACKS. WS <1% DETERIORATED.
RAILING: 2SF SPALL OF INSIDE FACE OF RIGHT RAILING AT
EMBEDDED WOOD 2X4 IN SPAN #3. LEACHING VERTICAL CRACKS.
EXJTS: EVIDENCE OF WATER LEAKING DOWN FORWARD BACKWALL IN
BAYS 2-5. THE EPOXY RESIN USED TO FILL THE VOID LEFT BY
THE REMOVAL OF PART OF THE FORWARD BACKWALL EXJT
ARMOR HAS CRACKED AND SOME OF THE RESIN HAS POPPED
OUT. THE DECK SIDE IS 1 1/2" LOWER THAN THE SLAB SIDE
AT THE FORWARD JOINT. GOUGES IN BOTH EXJT BACKWALL ARMOR.

SUPERSTRUCTURE

BEAMS: RUSTED SECTION LOSS AT BOTH ABUTMENTS AND OF LOWER
FLANGE OF BEAM #6 AT PIER #1.
XFRAMES: ENDFRAME RUSTING SECTION LOSS. TWO CRACKED
ENDFRAME WELDS AT FORWARD ABUTMENT, ONE AT BEAM #5 AND
ONE AT BEAM #6. ENDFRAMES #3, #4 & #5 ARE BENT AT REAR.
BEARINGS: RUSTED SECTION LOSS.
PCS: PEELING & FADED PAINT. 5-10% RUST. PCS IS 5-10%
DETERIORATED.
FPD: WELDED MOMENT PLATES AT PIERS.

SUBSTRUCTURE

ABUTMENTS: CRACKS. RUST STAINS. CONCRETE PATCHES. 5SF
SPALL AT FORWARD-RIGHT.
PIERS: CRACKS TO CAPS. SCALING. TWO MINOR SPALLS ON
PIER #1. RUSTING SECTION LOSS OF STEEL TO ALL PIERS
AT WATERLINE.
BACKWALLS: CRACKS. RUST STAINS. TOP OF FORWARD BACKWALL
IS BROKEN UP IN LANE #2 AT OLD REPAIR.
SCOUR: SEE DIVE REPORT DATED 10/28/09.

CHANNEL

NOTE: WATER DEPTH AT 2012 INSPECTION RANGED FROM 11'
AT PIER #1 TO 13.5' AT PIER #3. TOP OF PIER CAPS TO
WATER LINE IS 8.25'.

APPROACHES

PAVEMENT: CRACKS.
APPROACH SLABS: CRACKS. FORWARD SLAB IS 1 1/2" HIGHER
THAN DECK. REAR SLAB IS 1/8" HIGHER THAN DECK. HALF
WIDTH CRACK IN REAR SLAB (#2 LANE). MINOR SPALLS AT
TOPS OF BACKWALLS.

GENERAL

BOATED/INSPECTED BY MS & DB IN 2012.

DIVER INSPECTION IN 2009.