

BRIDGE INSPECTION REPORT

1812246
Structure File Number

BRIDGE NUMBER CUY 00322 1534

YEAR BUILT 1939

DIST 12 Bridge Type 322 TYPE SERVICE 1 5 CHAGRIN RIV .25 MI W 174#

DECK out/out 65.1 Deck Area 9,763 sqft			0 OTHER	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST) Left 2 SIDEWALK(>2') / Right 2 SIDEWALK(>2')	1	2. WEARING SURFACE	Thk 2 Wear Date 7/6/2009 1
3. CURBS, SIDEWALKS AND WALKWAYS		1	4. MEDIAN	Lanes on 4 1
5. RAILING	6 STEEL POST & STEEL PANEL (DECO)	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 1
7. EXPANSION JOINTS	2 SLIDING METAL PLATE ANGLE	2	8. SUMMARY	8
SUPERSTRUCTURE			2 WELDED BUILT-UP STEEL	
9. ALIGNMENT	Max Spans 72	1	10. BEAMS/GIRDERS/SLAB	1
11. DIAPHRAGMS or CROSSFRAMES		1	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	3 SLIDING (BRONZE) 1
25. ARCH			26. ARCH COLUMNS or HANGERS	
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 1/1/1939 1 RED LEAD 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE CONNECTIONS	
31. LIVE LOAD RESPONSE		S	32. SUMMARY	7
SUBSTRUCTURE			1 GRAVITY	
33. ABUTMENTS	1 GRAVITY	1	34. ABUTMENT SEATS	Abutment: ON PILING 1
35. PIERS		1	36. PIER SEATS	1 GRAVITY Piers: ON PILING 1
37. BACKWALLS		1	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 01 NN NN Spans = 2		40. SCOUR	2 2
41. SLOPE PROTECTION	N NONE-NATURAL PROTECTION(GRA)		42. SUMMARY	Dive Date 12/30/1899 6
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	6 (SEE CODING GUIDE)	2	52. PROTECTION	2 STONE 2
53. WATERWAY ADEQUACY		1	54. SUMMARY	5
APPROACHES				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	1
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 8
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	1
65. VERTICAL CLEARANCE	Under NC = 0	N	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

PE Number

KJB
INITIALS

SIGNED

72336 MWB
PE Number INITIALS

DATE 11/17/2009

1 1 1 N 1 N N N
SURVEY

DATE 3/2/2010

DECK

ALL DECK ITEMS ARE NEW IN 2009.

DRAINAGE: IS RUN OFF BRIDGE NOW. CHANGED IN BMS AFTER WRITE-UP.

EXJT: RATING IS A 2 DUE TO NO MORE JOINTS. CHANGE IN BMS AFTER WRITE-UP.

SUPERSTRUCTURE

BEAMS: NEW FASCIA BEAMS IN 2009. BEAM ENDS ENCASED IN CONCRETE IN 2009. STILL SOME MINOR SECTION LOSS.

XFRAMES: SOME NEW IN 2009.

BEARINGS: NEW IN 2009.

PCS: SOME AREAS HAVE NEW PAINT IN 2009. STILL SOME RUSTING.

PCS IS 1 TO 5% DET.

SUBSTRUCTURE

MOST SUBSTRUCTURE ITEMS REPAIRED IN 2009.

ABUTMENTS: MINOR SANDSTONE DETERIORATION.

PIERS: CRACKS. SCALING.

WINGWALLS: MINOR CRACKS.

SCOUR: SOME DUMP ROCK WAS ADDED TO ABUTS AND PIER IN 2009.

PIER STILL HAS FOOTER EXPOSURE; SEE ATTACHED DIAGRAM FOR MEASUREMENTS.

CHANNEL

ALIGNMENT: RIVER FLOWS TOWARDS START ABUTMENT AND INTO FINISH FACE OF PIER #1.

PROTECTION: UNEVEN SETTLEMENT OF STONE SLABS NEAR START ABUTMENT.

APPROACHES

ALL NEW IN 2009.

GENERAL

UTILS: NEW CONNECTIONS AT ABUTS IN 2009.

LAST SNOOPER INSPECTION IN 2008.

LAST DIVE INSPECTION IN 2007.

DRYSUIT PIER ON 11/17/09.

CUY-322-1534
SFN 1812246
EXPOSED PIER FOOTER
TAKEN ON 8/27/2008

REVISED IN BLUE
TAKEN ON 11/17/2009.

