

## BRIDGE INSPECTION REPORT

1808745  
Structure File Number

BRIDGE NUMBER CUY 00090 2046 R

YEAR BUILT 1938

DIST 12 Bridge Type 322 TYPE SERVICE 1 5 CEI OUTLET CHANNEL

<b>DECK</b>	out/out 77.4 Deck Area 14,241 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 3.1 1
	Left N NONE / Right N NONE			
3. CURBS, SIDEWALKS AND WALKWAYS			4. MEDIAN	Lanes on 4
5. RAILING	1 REINFORCED CONCRETE PARAPET	1	6. DRAINAGE	0 OTHER-NATURAL(OFF THE BRIDGE ENDS) 1
7. EXPANSION JOINTS	N NONE		8. SUMMARY	8
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	3 ROLLED STEEL 2
11. DIAPHRAGMS or CROSSFRAMES		2	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 1/1/1993 5 PAINT SYSTEM OZE 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE CONNECTIONS	
31. LIVE LOAD RESPONSE		S	32. SUMMARY	6
<b>SUBSTRUCTURE</b>				
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	2	34. ABUTMENT SEATS	6 STUB-CAPPED PILE (SINGLE ROW PILES) Abutment: ON PILING 1
35. PIERS		2	36. PIER SEATS	B TOWER Piers: ON PILING 1
37. BACKWALLS			38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR	1 1
41. SLOPE PROTECTION	N NONE-NATURAL PROTECTION(GRA)		42. SUMMARY	Dive Date 12/30/1899 6
<b>CULVERTS</b>				
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	
<b>CHANNEL</b>				
51. ALIGNMENT		1	52. PROTECTION	1 CONC(CAST-IN-PLACE) 1
53. WATERWAY ADEQUACY	8 SLIGHT CHANCE OVERTOPPING	1	54. SUMMARY	7
<b>APPROACHES</b>				
55. PAVEMENT	2 BITUMINOUS	1	56. APPROACH SLABS	1
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 8
<b>GENERAL</b>				
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	6 A
67. INSPECTED BY			68. REVIEWED BY	

SIGNED

PE Number

MJS  
INITIALS

SIGNED

60048 MJM  
PE Number INITIALS

DATE 9/7/2006

1 1 1 1 1 N N N  
SURVEY

DATE 10/4/2006

## DECK

FLOOR: FLOOR < 1% DET.

WS: WS < 1% DET.

## SUPERSTRUCTURE

BEAMS: RUSTED SECTION LOSS (MOSTLY AT FASCIA BEAMS).

NO SPLICE PLATES ON THE BOTTOMS OF THE LOWER FLANGES  
AT THE FIELD SPLICES IN SPAN #2; SEE ATTACHED PHOTO  
P1 DATED 10/05/05.

CROSSFRAMES: RUSTED THRU HOLES IN A FEW CROSSFRAMES; SEE  
ATTACHED PHOTOS P2 AND P3 DATED 10/05/05  
(1ST CROSSFRAME START OF PIER #1 IN BAY #5R).  
BENT CHANNEL OF FIRST CROSSFRAME FINISH OF PIER  
#2 IN BAY #3; SEE ATTACHED PHOTO P4 DATED  
10/05/05.

PAINT: 2% RUST. PAINT IS 1-5% DET.

## SUBSTRUCTURE

ABUTMENTS: CRACKS. A FEW DELAMINATIONS AND SPALLS; SEE  
ATTACHED PHOTOS P5 AND P6 DATED 11/07/05  
(START ABUTMENT BELOW BEAM #8).

PIERS: FAILED PATCHES AND SPALLS ON COLUMNS. SPECIALITY  
DIVING INSPECTED PIERS BELOW WATERLINE ON 10/11/05.

SCOUR: SPECIALITY DIVING INSPECTED BELOW WATERLINE ON  
10/11/05.

## GENERAL

UNDERWATER INSPECTION BY SPECIALITY DIVING ON 10/11/05.  
INSPECTED FROM A BOAT ON 09/05/06.





1808745 10\_5\_05 P1 no lower splice plates.jpg



1808745 10\_5\_05 P2 rusted thru holes in xframe.jpg



1808745 10\_5\_05 P3 closeup of P2.jpg



1808745 10\_5\_05 P4 bent crossframe channel.jpg





1808745 11\_7\_05 P5 start abut delamination & spall.jpg



1808745 11\_7\_05 P6 closeup of P5.jpg