

## BRIDGE INSPECTION REPORT

1808311

BRIDGE NUMBER

CUY 00090 2043 L

YEAR BUILT

1952

Structure File Number

DIST 12

Bridge Type 322

TYPE SERVICE 1 5

CEI OUTLET CHANNEL

<b>DECK</b>	out/out 78.3 Deck Area 14,413 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	1	2. WEARING SURFACE	Thk 2 Wear Date 8/2/2005 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	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	N NONE		8. SUMMARY	7
<b>SUPERSTRUCTURE</b>				
9. ALIGNMENT	Max Spans 60	1	10. BEAMS/GIRDERS/SLAB	3 ROLLED STEEL 2
11. DIAPHRAGMS or CROSSFRAMES		1	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	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 OZEU 7
29. PINS/HANGERS/HINGES			30. FATIGUE PRONE DETAIL (E, E')	1
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	6
<b>SUBSTRUCTURE</b>				
33. ABUTMENTS	6 STUB-CAPPED PILE (SINGLE ROW PILES)	1	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		2	38. WINGWALLS	1
39. FENDERS and DOLPHINS	Piers = 02 NN NN Spans = 3		40. SCOUR (INSP TYPE - 1,2,3)	2 1
41. SLOPE PROTECTION	N NONE-NATURAL PROTECTION(GRASS,B		42. SUMMARY	Dive Date 12/11/2012 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 (INSP TYPE - 1,2,3)	
49. ABUTMENT			50. SUMMARY	
<b>CHANNEL</b>				
51. ALIGNMENT		1	52. PROTECTION	5 RIP RAP (DUMPED ROCK OR ROCK) 1
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING APPR	1	54. SUMMARY	7
<b>APPROACHES</b>				
55. PAVEMENT	2 BITUMINOUS	2	56. APPROACH SLABS	2
57. GUARDRAIL	1 STEEL BEAM	1	58. RELIEF JOINTS	
59. EMBANKMENT		1	60. SUMMARY	Percent Legal = 150 6
<b>GENERAL</b>				
61. NAVIGATION LIGHTS			62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 1
63. SIGN SUPPORTS	Signs on = N MVC on = 9999.9		64. UTILITIES	
65. VERTICAL CLEARANCE	Under C = 0 Under NC = 0	N	66. GENERAL APPRAISAL & OPERATIONAL STATUS	6 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

PE Number

SIGNED

59487

PE Number

Name MICHAEL SUTAK

Name YOUSSEF SEIF

DATE 9/17/2013

1 1 1 1 N N N N  
SURVEY

DATE 11/22/2013

## DECK

FLOOR: A FEW CRACKS, SOME LEACHED. A FEW MINOR SPALLS.  
FLOOR IS <1% DETERIORATED.  
WEARING SURFACE: A FEW CRACKS. WS IS <1% DETERIORATED.  
RAILINGS: A FEW CRACKS. A FEW COLLISION SCRAPES.  
DRAINAGE: DEBRIS AND PONDED WATER IN NORTH BERM.

## SUPERSTRUCTURE

BEAMS: PACK RUST BETWEEN SOME COVER PLATES & BOTTOM  
FLANGES. AREAS OF RUST SECTION LOSS. LEFT BEAM HAS RUST  
THRU HOLES IN COVER PLATES IN SPAN #2. BOTTOM FLANGE COVER  
PLATE OF BEAM #5 IS BENT IN SPAN #2 NEAR PIER #2. NO COPE  
HOLES AT INTERSECTING WELDS WHERE BEAMS ARE JOINED ABOVE  
PIERS.  
XFRAMES: CRACK SEVERED WELD IN BAY 10 NEAR REAR ABUTMENT.  
BEARINGS: SOME RUST SECTION LOSS.  
PCS: 2% RUST. PSC IS 1-5% DETERIORATED.  
FPD: COVER PLATES AT PIERS. WELDED ATTACHMENTS WITH LENGTHS  
> 4".

## SUBSTRUCTURE

ABUTMENTS: CRACKS. MINOR DELAMINATIONS.  
PIERS: VOIDS AT JOINTS AND SPALLS ON COLUMNS. P1C20  
HAS A VERTICAL CRACK WITH LIGHT EFFLORESCENCE AT THE SOUTH  
FACE STARTING AT THE CAP AND EXTENDING 4' DOWN. P2C6 HAS  
SPALLS IN THE CONCRETE ENCASEMENTS, IN THE GENERAL AREA OF  
THE SPLASH ZONE. THE SPALLS EXTEND THE FULL CIRCUMFERENCE  
OF THE PILE AND HAVE EXPOSED EPOXY COATED REBAR IN GOOD  
CONDITION. THE 2012 DIVE REPORT STATED VOID AT BASE OF  
CONCRETE ENCASEMENT OF P2C2 WITH 8" OF H PILE EXPOSED. THE  
H PILE WAS IN GOOD CONDITION.  
BACKWALL: 3SF SPALL NEAR LEFT FASCIA AT REAR.  
SCOUR: WATER DEPTH PIER 1 NORTH END=9.5', SOUTH END=6'  
PIER 2 NORTH END=6', SOUTH END=5.25'. BOTTOM OF PIER CAP  
TO WATER= 3.5'.

## APPROACHES

PAVEMENT: A FEW CRACKS. ASPHALT BREAK UP AND SMALL POTHOLES  
ALONG DECK ENDS. HUMPED ASPHALT PAVEMENT AT REAR WITH  
BOUNCE OFF BRIDGE.  
APPROACH SLABS: LONG CRACKS IN CONCRETE.  
EMBANKMENT: MINOR EROSION NEAR REAR-LEFT.

## GENERAL

DIVE INSPECTION ON 12/11/12.  
INSPECTED WITH MG BY BOAT.