

BRIDGE INSPECTION REPORT

1800930
Structure File NumberBRIDGE NUMBER **CUY 00006 1456**YEAR BUILT **1917**DIST **12** Bridge Type **354** TYPE SERVICE **5 7** **(1499)CUY. RIVER & RTA**

DECK	out/out 85.2 Deck Area 226,205 sqft		2 INTEGRAL CONCRETE (MONOLITHIC)	
1. FLOOR	1 REINF CONCRT (PRESTRSD, PRECAST)	2	2. WEARING SURFACE	Thk 1 Wear Date 11/15/1996 1
3. CURBS, SIDEWALKS AND WALKWAYS	Left 2 SIDEWALK(>2') / Right 2 SIDEWALK(>2')	1	4. MEDIAN	Lanes on 6
5. RAILING	5 REINF CONCR POST & CONCR PANE	1	6. DRAINAGE	3 SCUPPERS & DWNSPTS 2
7. EXPANSION JOINTS	8 ELASTOMERIC STRIP SEAL	2	8. SUMMARY	6
SUPERSTRUCTURE			1 N/A (CULVERTS, TRUSSES, ETC.)	
9. ALIGNMENT	Max Spans 591	1	10. BEAMS/GIRDERS/SLAB	2
11. DIAPHRAGMS or CROSSFRAMES			12. JOISTS/STRINGERS	2
13. FLOOR BEAMS		2	14. FLOOR BEAM CONNECTIONS	2
15. VERTICALS		2	16. DIAGONALS	2
17. END POSTS		1	18. UPPER CHORD	1
19. LOWER CHORD		2	20. GUSSET PLATES	3
21. LATERAL BRACING		1	22. SWAY BRACING	1
23. PORTALS		2	24. BEARING DEVICES	8 FIXED ARCH-RIB 2
25. ARCH		2	26. ARCH COLUMNS or HANGERS	2
27. SPANDREL WALLS			28. PROTECTIVE COATING SYSTEM	Paint Date 7/15/1999 5 PAINT SYSTEM OZE 6
29. PINS/HANGERS/HINGES		2	30. FATIGUE PRONE DETAIL (E, E')	2
31. LIVE LOAD RESPONSE (E OR S)		S	32. SUMMARY	5
SUBSTRUCTURE			3 SOLID WALL	
33. ABUTMENTS	3 SOLID WALL	2	34. ABUTMENT SEATS	Abutment: NOT ON PILING
35. PIERS		3	36. PIER SEATS	B TOWER Piers: NOT ON PILING 2
37. BACKWALLS			38. WINGWALLS	2
39. FENDERS and DOLPHINS	Piers = 12 NN NN Spans = 13	3	40. SCOUR (INSP TYPE - 1,2,3)	1 1
41. SLOPE PROTECTION	N NONE-NATURAL PROTECTION(GRA		42. SUMMARY	Dive Date 10/2/2010 4
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 SHEET PILING 2
53. HYDRAULIC OPENING	8 SLIGHT CHANCE OVERTOPPING	1	54. SUMMARY	6
APPROACHES				
55. PAVEMENT	1 CONCRETE	2	56. APPROACH SLABS	
57. GUARDRAIL	0 OTHER	1	58. RELIEF JOINTS	
59. EMBANKMENT		2	60. SUMMARY	Percent Legal = 135 6
GENERAL				
61. NAVIGATION LIGHTS		1	62. WARNING SIGNS	Maint Resp 1 OHIO TRAN DEPT 2
63. SIGN SUPPORTS	Signs on = Y MVC on = 14	1	64. UTILITIES	1
65. VERTICAL CLEARANCE	Under C = 30 Under NC = 0	1	66. GENERAL APPRAISAL & OPERATIONAL STATUS	4 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

PE Number

SIGNED

69991

PE Number

Name BRIAN CORSON

Name WESLEY WEIR

DATE 12/7/2011

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SURVEY

DATE 12/7/2011

DECK

FLOOR: LOCALIZED HEAVY SPALLING, EXP. REBAR WITH LOSSES, CRACKING WITH HEAVY EFFLO. IN WEST APPROACH SPANS AND TUNNELS.

WEARING SURFACE: ISOLATED HEAVY DECK SPALLS, TYPICALLY W/ ASPHALTIC PATCHES. WORST IN RIGHT EAST BOUND LANE.

DRAINAGE: PARTIALLY CLOGGED CURB DRAINS, JOINTS TYPICALLY FILLED WITH DEBRIS, MISSING GRATING IN NORTH LONGITUDINAL SIDEWALK TROUGH.

EX. JOINTS: HEAVY DEBRIS IN GLANDS, MINOR VERTICAL MISALIGNMENT RESULTING IN PLOW DAMAGE.

SUPERSTRUCTURE

BEAM/G/S: Jack arches in the west approach and tunnel spans with heavily spalled areas, exp. rebar and section loss on reinforcement.

DIAPHRAGMS OR CROSS FRAMES: Lower deck stringers with localized heavy losses, isolated rust reactivating at connections.

FLOORBEAMS: Active pitting at areas that were previously cleaned and painted, localized, isolated holed-through sections typ. near arch conn's.

VERTICALS: Locations below the upper deck level with active corrosion at connections.

DIAGONALS: Localized areas with active corrosion at connections.

LOWER CHORD: Locations below the upper deck level with active corrosion at connections.

GUSSET PLATES: Localized advanced section losses, on gusset plate, at lower chord interface, panels 0-4 and 4'-0', typ.

BEARING DEVICES: Moderate to heavy corrosion to truss bearing bolsters, isolated saddle bearings with 100% loss.

PCS: Paint failures typical at truss connections below the upper deck.

PINS/H/H: Moderate pitting at eyebar heads at the lower connections at isolated panel points.

SUBSTRUCTURE

ABUTMENTS: Minor cracking at the abutment concrete elements.

PIERS: Rotation progressing at South Tower B. Heavy cracking in cellular spans, Crack Gauge 2 indicating opening since installation.

PIER SEATS: Minor cracking at the truss bearing seats.

WINGWALLS: Soft concrete at the southwest wing, cracking and spalls at the curtainwalls is typical.

FENDERS AND DOLPHINS: Pier 3 is without collision protection.

CHANNEL

PROTECTION: WEST EMBANKMENT IS WITHOUT SHEET PILE WALL OR OTHER BANK PROTECTION.

APPROACHES

PAVEMENT: MINOR CRACKING AND SHOIVING AT BOTH APPROACHES.
GUARDRAIL: ISOLATED, MINOR IMPACT DAMAGE NOTED.
EMBANKMENT: MINOR EROSION CHANNEL FORMING ALONG THE NORTHEAST WING.

GENERAL

WARNING SIGNS: WARNING SIGNS ONLY PLACED AT THE THROUGH TRUSS NORTHEAST AND SOUTHWEST CORNERS.
WARNING SIGNS ARE MISSING AT THE OTHER TWO TRUSS CORNERS, AND AT ALL FOUR CORNERS OF THE BRIDGE LIMITS.