

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Ohio [39]	Cuyahoga County [035]	Fairview Park [26446]	APPROX 200FT W STORYRD	41-27-04.59 = 41.451275	081-49-27.17 = -81.824214
1801325	Highway agency district 12	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 10	SR 10	Toll On free road [3]	Features intersected	VALLEY PKWY/ROCKY RIVER	
Design - main 4	Steel [3] Arch - Deck [11]	Design - approach 5	Steel continuous [4] Stringer/Multi-beam or girder [02]	Kilometerpoint 1399 km = 867.4 mi	Year built 1935 Year reconstructed 1990
				Skew angle 0	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length	374.9 m = 1230.0 ft	Length of maximum span	78 m = 255.9 ft	Deck width, out-to-out	19.7 m = 64.6 ft
Inventory Route, Total Horizontal Clearance	15.9 m = 52.2 ft	Curb or sidewalk width - left	1.5 m = 4.9 ft	Curb or sidewalk width - right	1.5 m = 4.9 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Latex Concrete or similar additive [3]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	32.4 metric ton = 35.6 tons
0.8 km = 0.5 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	40.5 metric ton = 44.6 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

Border bridge - state Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations (including piles) on dry land well above flood water elevations. [9]"/>		
Channel and channel protection	<input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="75.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="November 2013 [1113]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="November 2011 [1111]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Structure File Number: 1801325

Inventory Bridge Number: CUY 00010 08690 N

BR. Type: **STEEL/ARCH/DECK**

Sufficiency Rating: 075.1

ROUTE CARRIED "ON" THE STRUCTURE VALLEY PKWY/ROCKY RIVER

Date of Last Inventory Update:

District: 12	County: CUYAHOGA	(101) Location: APPROX 200FT W STORYRD	(102) Facility Carried: SR 10
(2) FIPS Code: CUY-M-26446-FAIRVIEW PARK		(103) Route On Bridge: STATE (ODOT) (TOLL FR	(104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: 2-WAY TRAFFIC	(10) Temporary:	(11) Truck Network: N	(12) Parallel: N
		(100) Type Serv: (On): HIGHWAY-PEDESTRIAN	(Under): WATERWAY

Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: STATE HIGHWAY		
Route No: 00010	Dir: NOT APPLICABLE	Des: MAINLINE	Pref: N
(4) Feature Intersected: VALLEY PKWY/ROCKY RIVER			
(5) County: CUY	Mileage: 08690	Special Desig: N	
(6) Avg. Daily Traffic(ADT): 16,810		(7) ADT Year: 2010	
(8) Truck Traf: 1,040	(14) NHS: NHS BRIDGE - 1	(15) Corridor: N	
(16) Functional Class: URBAN - OTHER PRINCIPAL ARTERIAL	(19) Strahnt: NOT STRAHNET		

(63) Main Spans Number: 4	Type: STEEL/ARCH/DECK
Approach Spans Number: 5	Type: STEEL/BEAM/CONTINUOUS
Total Spans: 9	(65) Max Span: 256 Ft
	(66) Overall Leng: 1,230 Ft

Intersected Route Data			
(22) Route On/Under:	Hwy Sys:		
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:			
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):		(26) ADT Year:	
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	
(30) Functional Class:	(36) Strahnt:		

(70) Substructure	(71) Foundation and Scour Information		
Abut-Rear	Matl: CONCRETE	Type: CELLULAR OR "U"	Fnd: ROCK
Abut-Fwd	Matl: CONCRETE	Type: CELLULAR OR "U"	Fnd: ROCK
Pier-Pred	Matl: STEEL AND C	Type: TOWER	Fnd: ROCK
Pier-Other	Matl: STEEL AND C	Type: CAPPED COLUMN	Fnd: OTHER
Pier-Other	Matl: NONE	Type: NONE	Fnd: OTHER
No of Piers Predominate:	Other:	Other:	
(86) Stream Velocity: 005.6	(74) Scour: BRIDGE FOUNDATIONS (INCLUDING PILES) ON		
(189) Dive: N Freq: 0	Probe: N Freq: 0	(75) Chan Prot: NONE	
(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi		

Clearance On the Bridge			
(154) Min. Hriz on Bridge:	NC: 0.0	Card: 52.0 Ft	
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0	Card: 9999.9 Ft	
(80) Min Latl Clr:	NC: 0.0/0.0 Ft	Card: 0.0/0.0 Ft	
(81) Vrt Clr Lft:	0.0 Ft		

Clearance Under the Bridge			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(157) Prac Max Vrt Under Clear:	0.0 Ft		
(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 0.0/0.0 Ft	

Structure Information			
(38) Bypass Length: 05 Miles			
(39) Latitude: 41 Deg 27 Min 04.59 Sec	Longitude: 81 Deg 49 Min 27.17 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1935	(42) Major Rehabilitation: 1/1/1990		
(43) No. Lanes On: 4	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 52 Ft	(50) Brq. Rdw Width: 52.0 Ft		
(51) Deck Width: 64.7 Ft	Deck Area: 79540 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 5.0 Ft	(right) 5.0 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: SIDEWALK (GREATER THAN 2' IN WIDTH)		
(Right) Matl: CONCRETE	Type: SIDEWALK (GREATER THAN 2' IN WIDTH)		
(56) Flared: 0	(57) Composite: N - NON_COMPOSITE		
(58) Railing: STEEL POST AND STEEL PANEL (DECORATIVE)			
(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS			
(60) Deck Type: REINFORCED CONCRETE			
(61) Deck Protection: External: NOT APPLICABLE (ONLY FOR BRIDGES FOR NO	Internal: EPOXY COATED REINFORCING (TOP MAT)		
(62) Wearing Surface: LATEX MODIFIED CONCRETE (LMC) - OVERLAY			
Thickness: 1.2 in	(119) Date of Wearing Surface: 1/1/1986		
Slope Protection: GABIONS (WIRE MESH BASKETS FILLED WITH S			

Load Rating Information		(88-89) Appraisal
(48) Design Load: HS20		(Including calculated Items)
Opr Rat Fact: 1.250 LD:		
Inv Rat Fact: 1.000 LD:		
(83) Ohio Percent of Legal Load: 150		(88) Waterway Adequacy: 8
Year of Rating: 1995		(89) Approach Alignment: 8
(84) Analysis: ALLOWABLE STRESS (AS) RATING REPORTED BY		Calc Gen Appraisal: 6
(85) Rate Soft: ASSIGNED RATING (NO CALCULATIONS WERE DO		Calc Deck Geometry: 4
Analysis on Bars: NOT ON BARS [DEFAULT]		Calc Underclearance: N
PE#: 0		

Approach Information		
(109) Approach Guardrail: STEEL BEAM		
(110) Approach Pavement: BITUMINOUS		(111) Grade: GOOD

Culvert Information		
(131) Culvert Type: NOT A CULVERT OR RIGID FRAME		(127) Length: 0.0 Ft
(129) Depth of Fill: 0.0 Ft		(130) Headwalls: NONE OR NOT APPLICABLE (NOT A CU

General Information			
(121) Main Member: ROLLED STEEL		(122) Moment Plate: MOMENT PLATES (RIVETED OR BOL	
(169) Expansion Joint: ELASTOMERIC STRIP SEAL			
(124) Bearing Devices: SLIDING (OTHER)			
(126) Navigation: Control-0	Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft	
(193) Spec Insp: N	Freq: 0	Date:	
(188) Fracture Critical Insp: Y	Freq: 24	Date: 11/18/2013	
(138) Long Member: TWO OR MORE STEEL ARCHES (RIVETED)		(135) Hinges: PINS, PIN PLATES	
(141) Structural Steel Memb: UNKNOWN		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: U	
Pay Wt: 0 pounds	Prime Loc: FIELD	Paint: PAINT SYSTEM OZEU	
Bridge Dedicated Name:			

General Information (Continued)		Original Plans Information	
(---) Hist Significance: ELIGIBLE FOR NATIONAL REGISTER (69) NBIS: Y		(142) Fabricator:	
(---) Hist Builder: OHIO STATE HIGHWAY DEPARTMENT Hist Build Year: 1935		(143) Contractor:	
(69) Hist Type: TWO HINGE		(144) Ohio Original Construction Project No: 000134	
(161) Special Features (see below):		(---) Microfilm Reel: CUY013	
(105) Border Bridge State: Resp: %(106) SFN:		(151) Standard Drawing:	
Proposed Improvements	Programming Info	Aperture Cards: Orig: Y Repair: Y Fabr: Y	
(90) Type Work: -	PID Number: 21333	Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI	
(90) Length: Ft	PID Status: IA-OTHER	(153) Repair Projects:	
(90) Bridge Cost (\$1000s):	PID Date: 1/28/2002	1) / 020	2) 840075 / 004
(90) Roadway Cost (\$1000s):		4) / 020	5) / 044
(90) Total Project Cost (\$1000s):	(90) Year:	7) 900940 / 020	8) /
(91) Future ADT (On Bridge): 23332	(92) Year of Future ADT: 2031	10) / 021	11) / 044
		13) / 011	12) / 011

Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 6	Railings: MEETS ACCEPTABLE STANDARDS	(46) Electric: Y	(161) Lighting: Y				
(I-32) Superstructure: 6	Transitions: MEETS ACCEPTABLE STANDARDS	Gas: Y	Fencing: N				
(I-42) Substructure: 6	Guardrail: MEETS ACCEPTABLE STANDARDS	Sanitary Sewer: N	Glare-Screen: N				
(I-50) Culvert: N	Rail Ends: MEETS ACCEPTABLE STANDARDS	Telephone: Y	Splash-Guard: N				
(I-54) Channel: 7	In Depth:	TV Cable: N	Catwalks: N				
(I-60) Approaches: 6	Fracture Critical:	Water: N	Other-Feat: N				
(I-66) General Appraisal: 6	Scour Critical:	Other: N	(184) Signs-On: N				
(I-66) Operational Status: A	Critical Findings:		Signs-Under N				
Inspection Date: 9/16/2014	Insp. Update Date: 9/16/2014		(162) Fence-Ht 0.0				
(94) Desig Insp Freq 12 Months			(163) Noise Barr N				

SFNs Replacing this retired bridge: -		INV Field Bridge Marker: CUY - 00010 - 0869 - N
SFNs That were replaced by this bridge: -		INT Field Bridge Marker: - - 0000 -
This bridge was retired and copied to:		
The bridge was copied from:		
(95) Insp: OHIO STATE TRANSPORTATION DEPARTMENT 2nd: NONE 3rd: NONE		
(96) Maint: OHIO STATE TRANSPORTATION DEPARTMENT 2nd: NONE 3rd: NONE		
(97) Routine: CITY OR OTHER LOCAL AGENCY 2nd: NONE 3rd: NONE		

PONTIS CoRe elements and Conditions States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
26	CONCRETE DECK - PROTECTED W/COATED BARS	1		1	0	0	0	0
141	PAINTED STEEL ARCH	2458		2458	0	0	0	0
215	REINFORCED CONC ABUTMENT	129		0	129	0	0	0
300	STRIP SEAL EXPANSION JOINT	129		0	129	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2		2	0	0	0	0
330	METAL BRIDGE RAILING	2458		0	2458	0	0	0

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 1801325

CUY
CO

00010
Route

08690
SLM

CUY-M-26446-FAIRVIEW PARK

DATE BUILT 07/01/1935 - 1990

District 12 STEEL/ARCHDECK

Type of Service 1 55 VALLEY PKWY/ROCKY RIVER

N
SD CUY

DECK

1. Floor	Out/Out 64.7 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK= 1.2 3-LATEX MODIFIED CONCRETE (LMC) -	2
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE	2	4. Median	W.S. Date = 01/01/1986 N-NO MEDIAN	
5. Railing	6-STEEL POST AND STEEL PANEL (DECORATIVE)	3	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	2
7. Expansion Joints	8-ELASTOMERIC STRIP SEAL	1	8. SUMMARY	Deck Area: 79,540	6

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 256	1	10. Beams/Girders/Slab	1-ROLLED STEEL	2
11. Diaphragms or Cross Frames	TOT.LGTH = 1,230	1	12. Joist/Stringers		1
13. Floorbeams		1	14. Floorbeam 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	A-SLIDING (OTHER) 8-FIXED ARCH-RIB	2
25. Arch		2	26. Arch Columns or Hangers		2
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: 5PAINT SYSTEM OZEU DATE = 10/15/1991	2
29. Pins/Hangers/Hinges	ADT: 16,810 TRUCK: 1,040 YEAR: 2010	2	30. Fatigue Prone Detail (E & E')		1
31. Live Load Response (E or S)		S	32. SUMMARY		6

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	1	34. Abutment Seats	PIERS= # OF SPANS=9	1
35. Piers	TYPE = 7-STEEL AND CONCRETE	2	36. Pier Seats		1
37. Backwalls		1	38. Wingwalls	ABUTMENT:-ROCK/ROCK	1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	9-BRIDGE FOUNDATIONS (INCLUDING PILES) ON 1	1
41. Slope Protection	4-GABIONS (WIRE MESH BASKETS FILLED WITH S	3	42. SUMMARY	DIVE DT= N/A	6

CULVERTS

43. General			44. Alignment		
45. Shape			46. Seams		
47. Headwalls or Endwalls			48. Scour (Insp Type - 1, 2, 3)		
49. Abutments			50. SUMMARY		N

CHANNEL

51. Alignment	1	52. Protection	N-NONE	
53. Hydraulic Opening	1	54. SUMMARY		7

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs		
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint		
59. Embankment	BRDG.WIDTH=52.0	2	60. SUMMARY	PCT.LEGAL= 150	6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 4-CITY OR OTHER LOCAL AGENCY MAINT.RESP: 1-OHIO STATE TRANSPORTATION DEPARTMENT	
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities	ELEC/GAS/TEL/	3
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status		6 A

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name

61.171
PE Number

JC
Initial

Print First & Last Name

72.336
PE Number

MB
Initial

Inspected Date: 9/16/2014

Reviewed Date: 3/23/2015

1	1	1	1				
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69. Survey (1, 0, N)