

# HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

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

Form Interface Design: [www.historicbridges.org](http://www.historicbridges.org). Data Conversion Assistance By [www.bridgehunter.com](http://www.bridgehunter.com). None of the involved parties make any guarantee of accuracy.

## Basic Information

Ohio [39]	Miami County [109]	Covington [19050]	.07 MI. N OF JCT. USR-36	40-07-23 = 40.123056	084-21-17 = - 84.354722
5501113	Highway agency district	Owner	Maintenance responsibility		
Route 48		ABANDONED R.R.	Toll On free road [3]	Features intersected	CSX ABANDONED RR
Design - main	Masonry [8]	Design - approach		Kilometerpoint	229.6 km = 142.4 mi
	Arch - Deck [11]			Year built	#Num!
				Year reconstructed	
				Skew angle	
				Structure Flared	
				Historical significance	
Total length	35.1 m = 115.2 ft	Length of maximum span	33.5 m = 109.9 ft	Deck width, out-to-out	
Inventory Route, Total Horizontal Clearance	15.6 m = 51.2 ft	Curb or sidewalk width - left		Curb or sidewalk width - right	
Deck structure type					
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	
0 km = 0.0 mi	Method to determine operating rating		Operating rating	
Bridge posting		Design Load		

### Functional Details

Average Daily Traffic	<input type="text" value="5080"/>	Average daily truck traffi	<input type="text" value="9"/>	%	Year	<input type="text" value="2009"/>	Future average daily traffic	<input type="text"/>	Year	<input type="text"/>
Road classification	<input type="text" value="Major Collector (Rural) [07]"/>		Lanes on structure	<input type="text" value="0"/>		Approach roadway width	<input type="text"/>			
Type of service on bridge	<input type="text"/>		Direction of traffic	<input type="text"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Highway, with or without ped"/>		Lanes under structure	<input type="text" value="2"/>		Navigation control	<input type="text"/>			
Navigation vertical clearanc	<input type="text"/>		Navigation horizontal clearance	<input type="text"/>						
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>		Minimum vertical clearance over bridge roadway	<input type="text"/>						
Minimum lateral underclearance reference feature	<input type="text"/>									
Minimum lateral underclearance on right	<input type="text"/>				Minimum lateral underclearance on left	<input type="text"/>				
Minimum Vertical Underclearance	<input type="text"/>		Minimum vertical underclearance reference feature	<input type="text"/>						
Appraisal ratings - underclearances	<input type="text"/>									

### 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

Appraisal ratings -  
structural

Condition ratings - superstructur

Appraisal ratings -  
roadway alignment

Condition ratings - substructure

Appraisal ratings -  
deck geometry

Condition ratings - deck

Scour

Channel and channel protection

Appraisal ratings - water adequacy

Status evaluation

Pier or abutment protection

Sufficiency rating

Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Designated inspection frequency

Months

Underwater inspection

Underwater inspection date

Fracture critical inspection

Fracture critical inspection date

Other special inspection

Other special inspection date

Unit of Measure: <b>English</b>			Bridge Inventory Information			Report Date 02/28/2013 BM-191 Page: 1 of 2		
Structure File Number <b>5501113</b>			Inventory Bridge Number: <b>MIA 00048 1426</b>			BR. Type <b>STONE / ARCH / FILLED</b>		
Sufficiency Rating: <b>N/A ??</b>			<b>UNDER CSX ABANDONED RR</b>			Date of Last Inventory Update: <b>10/27/2011</b>		
District: <b>07</b>			County <b>MIAMI</b>			(101) Location: <b>.07 MI. N OF JCT. USR-36</b>		
(2)FIPS Code: <b>COVINGTON</b>						(102) Facility Carried: <b>ABANDONED R.R.</b>		
(9) Direction of Traffic: <b>HIGHWAY TRAFFIC NOT CARRIED</b>			(10) Temporary: <b>N</b>			(103) Route On Bridge: <b>NON-HIGHWAY</b>		
						(104) Route Under Bridge: <b>STATE (ODOT)</b>		
(95) Insp: <b>OHIO TRAN DEPT</b>			(96) Maint: <b>OHIO TRAN DEPT</b>			(11)Truck Network: <b>N</b>		
(97) Routine: <b>RAILROAD</b>						(12)Parallel: <b>N</b>		
			(100) Type Serv: (On): <b>RR TRACKS REMOVED</b>			(Under): <b>HIGHWAY, WITH OR WIT</b>		
<b>Inventory Route Data</b>			(63) Main Spans Number: <b>1</b>			Type: <b>STONE / ARCH / FILLED</b>		
(3) Route On/Under: <b>UNDER</b>			Hwy Sys: <b>STATE HIGHWAY</b>			Approach Spans Number: <b>0</b>		
Route No.: <b>00048</b>			Dir: Des: <b>MAINLINE</b>			Type: <b>NONE / NONE / NONE</b>		
Dir: Pref:			Des: Pref:			(65) Max Span: <b>110</b> Ft		
(4) Feature Intersected: <b>CSX ABANDONED RR</b>			Total Spans: <b>1</b>			(66) Overall Leng: <b>115</b> Ft		
(5) County: <b>MIA</b>			Mileage: <b>1426</b>			(70) Substructure		
Special Desig:			(7) ADT Year: <b>2009</b>			(71) Foundation and Scour Information		
(6) Avg. Daily Traffic(ADT): <b>5,080</b>			(8) Truck Traf: <b>460</b>			Abut-Rear Matl: <b>STONE</b>		
(14) NHS: <b>NO - X</b>			(15) Corridor: <b>N</b>			Type: <b>GRAVITY</b>		
(16) Functional Class: <b>MAJOR COLLECTOR-RURAL</b>			(19) Strahnt: <b>Not Applicable</b>			Fnd: <b>SPREAD FOOTING</b>		
						Abut-Fwd Matl: <b>STONE</b>		
						Type: <b>GRAVITY</b>		
						Fnd: <b>SPREAD FOOTING</b>		
						Pier-Pred Matl: <b>NONE</b>		
						Type: <b>NONE</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Pier-Other Matl: <b>NONE</b>		
						Type: <b>NONE</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Pier-Other Matl: <b>NONE</b>		
						Type: <b>NONE</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
<b>Intersected Route Data</b>			(22) Route On/Under:			No of Piers Predominate: <b>NN</b>		
Route No.: Dir: Des: Pref:			Hwy Sys:			Other: <b>NN</b>		
(23) Feature Intersected:			(24) County: Mileage: Special Desig:			Other: <b>NN</b>		
(25) Avg. Daily Traffic(ADT): <b>0</b>			(26) ADT Year:			(86) Stream Velocity: <b>NNN</b>		
(27) Truck Traf: <b>0</b>			(28) NHS: - (29) Corridor:			(74) Scour: <b>BRIDGE NOT OVER WATERWAY</b>		
(30) Functional Class:			(36) Strahnt: <b>Not Applicable</b>			Probe: <b>N</b> Freq: <b>0</b>		
						(75) Chan Prot: <b>N/A</b>		
						(189) Dive: <b>N Freq: 0</b>		
						(189) Date of last Dive Insp:		
						(152) Drainage Area: <b>NNN</b> Sq Mi		
						<b>Clearance Under the Bridge</b>		
						(156) Min. Horiz Under Clear:		
						NC: <b>0.0</b> Ft		
						Card: <b>51.3</b> Ft		
						(157) Prac Max Vrt Under Clear:		
						<b>12.7</b> Ft		
						(77) Min Vert Under Clear:		
						NC: <b>0.0</b> Ft		
						Card: <b>12.7</b> Ft		
						(78) Min Lat Under Clear:		
						NC: <b>0.0 / 0.0</b> Ft		
						Card: <b>11.0 / 12.5</b> Ft		
<b>Clearance On the Bridge</b>			(154) Min Hriz on Bridge:			<b>Load Rating Information</b>		
(155) Prac Max Vert On Brg:			NC: <b>0.0</b> Ft			(88-89) Appraisal		
(67) Min Vrt Clr On Brg:			NC: <b>0.0</b> Ft			(48) Design Load: <b>OTHER (INCL RR BRIDGE W/TRACK REMOVED)</b>		
(80) Min Latl Clr:			NC: <b>0.0 / 0.0</b> Ft			(Including calculated Items)		
(81) Vrt Clr Lft:			<b>0.0</b> Ft			(83) Operating: <b>0</b> Ton		
						Inventory: <b>0</b> Ton		
						Ohio Percent of Legal Load <b>0</b>		
						(88) Waterway Adequacy <b>N</b>		
						(89) Approach Alignment <b>N</b>		
						Calc Gen Appraisal: <b>*</b>		
						Calc Deck Geometry: <b>*</b>		
						Calc Underclearance: <b>*</b>		
<b>Structure Information</b>			(38) Bypass Length: <b>00</b> Miles			<b>Approach Information</b>		
(39) Latitude: <b>40 Deg 7.4 Min</b>			Longitude: <b>84 Deg 21.3 Min</b>			(109) Approach Guardrail: <b>NOT APPLICABLE</b>		
(40) Toll: <b>NONE/NOT APPLICABLE</b>						(110) Approach Pavement: <b>NONE/NOT APPLICABLE</b>		
(41) Date Built: <b>07/01/1900</b>			(42) Major Rehabilitation:			(111) Grade: <b>NONE/NOT APPLICABLE</b>		
(43) No. Lanes On: <b>0</b>			No. Lanes Under: <b>2</b>					
(44) Horiz Curve: <b>Deg. Min.</b>			(45) Skew: <b>1</b> Deg					
(49) App. Rdw Width: <b>0</b> Ft			(50) Brg. Rdw Width: <b>0.0</b> Ft					
(51) Deck Width: <b>35.3</b> Ft			Deck Area: <b>4058</b> Sq. Ft					
(52) Median Type: <b>NONE / NON BARRIE / NO JOINT</b>								
(53) Bridge Median: <b>NO MEDIAN</b>								
(54) Sidewalks:			(left) <b>0</b> Ft (right) <b>0</b> Ft					
(55) Type Curb or Sidewalks:								
(Left) Matl: <b>CONCRETE</b>			Type: <b>OTHER</b>					
(Right) Matl: <b>CONCRETE</b>			Type: <b>OTHER</b>					
(56) Flared: <b>N</b>			(57) Composite: <b>not applicable</b>					

Slope Protection: <b>NONE-NATURAL PROTECTION(GRASS,BUSHES)</b>			Bridge Dedicated Name:		
Unit of Measure: <b>English</b>			<b>Bridge Inventory Information</b>		Report Date <b>02/28/2013</b> BM-191 Page: 2 of 2
Structure File Number <b>5501113</b>			Inventory Bridge Number: <b>MIA 00048 1426</b>		BR. Type <b>STONE/ARCH/FILLED</b>
Sufficiency Rating: <b>N/A ??</b>			<b>UNDER CSX ABANDONED RR</b>		Date of Last Inventory Update: <b>10/27/2011</b>
General Information (Continued)			Original Plans Information		
(---) Hist Significance: <b>NONE N/A</b> (---) Hist Builder: <b>UNKNOWN</b> Hist Build Year: <b>1900</b> (69) Hist Type: <b>STONE</b> (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:			(69) NBIS: <b>Y</b> (142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No.: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b> Plan Information Available: <b>NNOT APPLICABLE</b>		
Proposed Improvements		Programming Info		(153) Repair Projects	
(90) Type Work: - (90) Length: Ft (90) Bridge Cost (\$1000s): <b>0</b> (90) Roadway Cost (\$1000s): <b>0</b> (90) Total Project Cost (\$1000s): <b>0</b> (91) Future ADT (On Bridge): <b>0</b>		PID Number: PID Status: PID Date:		1. <b>920911 / 041</b> 2.      3. 4.      5.      6. 7.      8.      9. 10.	
(90) Year:		(92) Year of Future ADT: <b>2033</b>			
Inspection Summary		(I-69) Survey Items		Utilities      Special Features	
(I-8) Deck: <b>6</b> (I-32) Superstructure: <b>6</b> (I-42) Substructure: <b>6</b> (I-50) Culvert: (I-54) Channel: (I-60) Approaches: <b>6</b> (I-66) General Appraisal: <b>6</b> (I-66) Operational Status: <b>A</b> Inspection Date: <b>04/12/2012</b> (94) Desig Insp Freq: <b>12 Months</b>		Railings: <b>N NONE N/A</b> Transitions: <b>N NONE N/A</b> Guardrail: <b>N NONE N/A</b> Rail Ends: <b>N NONE N/A</b> In Depth: <b>N NONE N/A</b> Fracture Critical: <b>N NONE N/A</b> Scour Critical: <b>N NONE N/A</b> Critical Findings: <b>N NONE N/A</b> Insp. Update Date: <b>07/17/2012</b>		(46) Electric: <b>N</b> Gas: <b>N</b> Sanitary Sewer: <b>N</b> Telephone: <b>N</b> TV Cable: <b>N</b> Water: <b>N</b> Other: <b>N</b> (161) Lighting: <b>N</b> Fencing: <b>N</b> Glare-Screen: <b>N</b> Splash-Guard: <b>N</b> Catwalks: <b>N</b> Other-Feat: <b>N</b> (184) Signs-on: <b>N</b> Signs-Under: <b>Y</b> (162) Fence-Ht: <b>0.0 Ft</b> (163) Noise Barr: <b>N</b>	
SFNs Replacing this retired bridge: - SFNs That where replaced by this bridge: - This bridge was retired and copied to: The bridge was copied from:		INV Field Bridge Marker: <b>MIA-00048-1426 -</b> INT Field Bridge Marker: <b>---</b>			

**PONTIS CoRe elements and Condition States**

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
217	OTHER ABUTMENT	70	LF	0	0	0	0	0
333	MISCELLANEOUS - BRIDGE RAILING	228	LF	0	0	0	0	0

(\*) Percentages Should add to 100%

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5	5	0	1	1	1	3
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**Date Built 07/01/1900**

**MIA**

<b>DECK</b>		Out/Out 35.3		THCK = 0.0		
1. Floor	N-NONE	8		2. Wearing Surface	N-NOT APPLICABLE (CULVER	41
	1-CONCRETE		2		W.S. Date =	
3. Curbs, Sidewalks, Walkways	1-CONCRETE	9		4. Median		42
			3			
5. Railing	0-OTHER	10		6. Drainage	0-OTHER-NATURAL(OFF THE	43
						1
7. Expansion Joints	N-NONE	11		<b>8. Summary</b>		44
						6

<b>SUPERSTRUCTURE</b>		MAX.SPAN=110	1		
9. Alignment		12	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES)	45
11. Diaphragms or Crossframes	TOT.LGTH=115	13	12. Joists/Stringers		46
13. Floor Beams		14	14. Floor Beam Connections		47
15. Verticals		15	16. Diagonals		48
17. End Posts		16	18. Top Chord		49
19. Lower Chord		17	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18	22. Sway Bracing		51
23. Portals		19	24. Bearing Devices	N-NONE N-NONE	52
25. Arch		20	26. Arch Columns or Hangers		53
27. Spandrel Walls		21	28. Protective Coating System	TYPE = N-NONE DATE =	54
29. Pins/Hangers/Hinges		22	30. Fatigue Prone Connections		55
31. Live Load Response		23	32. Summary		56

<b>SUBSTRUCTURE</b>		1-STONE	2	PIERS=0		SPANS = 1		
33. Abutments		1-STONE 24		34. Abutment Seats				57
35. Piers		TYPE = N-NONE 25		36. Pier Seats				58
37. Backwalls		26		38. Wingwalls		ABUTMENT:=SPREAD / SPREAD		2 59
39. Fenders and Dolphins		27		40. Scour		N-BRIDGE NOT OVER WATERW 60		
41. Slope Protection		N-NONE 28		42. Summary		DIVE DT=N/A		6 62

<b>CULVERTS</b>			
43. General	29	44. Alignment	63
45. Shape	30	46. Seams	64
47. Headwalls or Endwalls	31	48. Scour	65
49.	32	50. Summary	66

<b>CHANNEL</b>			X-N/A	
51. Alignment	33		52. Protection	67
53. Waterway Adequacy	34		<b>54. Summary</b>	68

<b>APPROACHES</b>				
55. Pavement	N-NONE/NOT APPLICABLE 35		56. Approach Slabs	69
57. Guardrail	X-NOT APPLICABLE 36		58. Relief Joints	70
59. Embankment	BRDG.WIDTH=0.0 37	2	<b>60. Summary</b>	PCT.LEGAL=0 71

<b>GENERAL</b>		ROUTINE.RESP: 6-RAILROAD		1
61. Navigation Lights	38	62. Warning Signs	MAINT.RESP: 1-OHIO TRAN DEPT	72
MVC ON=0000    UND=0000				
63. Sign Supports	39	64. Utilities		73
65. Vertical Clearance	40	66. General Appraisal & Operational Status		74
			COND	STAT
			6	A

67. INSPECTED BY

68. REVIEWED BY

DOT 2852

DECK AREA 4,058

Date 

0	4	1	2	1	2
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8691

N	N	N	N	N	N	N	N
92			69	Survey			99

Date 

0	6	2	8	1	2
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100105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
BRIDGE INSPECTION REPORT

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5	5	0	1	1	1	3
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1 Structure File Number 7

Bridge Number MIA 00048 1426  
CO ROUTE UNIT

Date Built 07/01/1900

District 07 Bridge Type STONE/ARCH/FILLED Type Service 2 A 1 CSX ABANDONED RR

Deck	CURBS - MAP CRACKS, STAINS & HEAVY DETER., EFFLO
Deck	RAILING - RUST & SCALE W/ L.O.S., PERFS., TOP RAIL MISSING
Deck	REAR
Deck	SUMMARY - LOOSE RR BED STONES ON TOP EDGE OF CURB OVER
Deck	TRAFFIC AND SIDEWALKS; HEAVY BRUSH ON TOP OF
Deck	STRUCTURE
Superstructure	ARCH - DETER.& SPALLS; DEEP SCALE (FACE SPALLS) 3" TO 4"
Superstructure	DEEP; SPALLS AT IMPACT AREA; SCRAPED; MINOR EFFLO.
Superstructure	SPANDREL WALLS - CRACKS, STAINS, DETER.& SCALE
Superstructure	SUMMARY - LOOSE SPALLS OVER DRIVING LANES & SIDEWALKS;
Superstructure	LOOSE RR BED STONES ON TOP EDGE OF CURB
Substructure	ABUTMENTS - DEEP SCALE & DETER., CRACKS, AREAS OF MINOR
Substructure	EFFLO.
Substructure	WINGWALLS - CRACKS & SCALE, DETER. & SPALLS
Approaches	EMBANKMENT - HEAVY BRUSH & TREES
General	SIGN SUPPORTS - OVERHEAD VERT. CLEARANCE SIGNS *****
General	WARNING SIGNS - VERT. CLEARANCE SIGNS (HELD IN PLACE W/ ONE
General	BOLT), FWD. SIGN CENTER LEANING AWAY FROM
General	STRUCTURE, FWD LEFT SIGN LIGHT DAMAGE
General	VERTICAL CLEARANCE HT. - 12-9 ON SHOULDERS
General	14-3 CENTER LINE