

# 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. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

## Basic Information

Ohio [39]	Morrow County [117]	Cardington [12098]	.10 MI.E.OF INT.OF SR42	40-38-00 = 40.633333	082-56-36 = - 82.943333
5931665	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	CR125	Toll On free road [3]	Features intersected CLOSED		
Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Truss - Thru [10]	0 Other [00]	Year built #Num!	Year reconstructed 1975	
			Skew angle 0	Structure Flared	
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	27.7 m = 90.9 ft	Length of maximum span	26.8 m = 87.9 ft	Deck width, out-to-out	4.3 m = 14.1 ft
Inventory Route, Total Horizontal Clearance	4.2 m = 13.8 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Wood or Timber [8]				
Type of wearing surface	Wood or Timber [7]				
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	0 metric ton = 0.0 tons
0.3 km = 0.2 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	

### Functional Details

Average Daily Traffic	150	Average daily truck traffi	1	%	Year	1992	Future average daily traffic	208	Year	2027
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	7.3 m = 24.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	3.81 m = 12.5 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

### 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

Bridge closed to all traffic [K]

Appraisal ratings -  
structural

Condition ratings - superstructure

Condition ratings - substructure

Condition ratings - deck

Scour

Channel and channel protection

Appraisal ratings - water adequacy

Pier or abutment protection

Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

October 2010 [1010]

Designated inspection frequency

12

Months

Underwater inspection

Fracture critical inspection

Other special inspection

Not needed [N]

Not needed [N]

Not needed [N]

Underwater inspection date

Fracture critical inspection date

Other special inspection date

Basically intolerable requiring high priority of replacement [2]

Bridge foundations determined to be stable for assessed or calculated scour condition. [5]

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]

Superior to present desirable criteria [9]

Status evaluation

Structurally deficient [1]

Sufficiency rating

0

Not applicable. Used if structure is not a culvert. [N]

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5

9

3

1

6

6

5

Bridge Number **MRW C0125 00117 19** CARDINGTON TWP  
CO ROUTE UNIT

Date Built **07/01/1900 - 1975**

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**Type Service **1 15 CLOSED****MRW**

<b>DECK</b>		Out/Out 14.1		THCK = 0.0		
1. Floor	2-LAMINATED TIMBER STRIP	8	3	2. Wearing Surface	7-TIMBER	41
3. Curbs, Sidewalks, Walkways		N-NONE		W.S. Date =		
		N-NONE	9	4. Median		42
5. Railing	6-STEEL POST & STEEL PAN	10	3	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints		N-NONE	11	8. Summary		44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=88				
9. Alignment		12	3	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
11. Diaphragms or Crossframes		TOT.LGTH=91	13	12. Joists/Stringers		46
13. Floor Beams		14	3	14. Floor Beam Connections		47
15. Verticals		15	3	16. Diagonals		48
17. End Posts		16	3	18. Top Chord		49
19. Lower Chord		17	3	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19	4	A-SLIDING (OTHER)		
				24. Bearing Devices	N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		TYPE = N-NONE		
				28. Protective Coating System	DATE = 01/01/1975	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	E	32. Summary		56
<b>SUBSTRUCTURE</b>		1-STONE		PIERS=0		SPANS = 1
33. Abutments	1-STONE	24	2	34. Abutment Seats		57
35. Piers		TYPE = N-NONE	25	36. Pier Seats		58
37. Backwalls		26	3	ABUTMENT:=UNKNOWN / UNKNOWN		59
38. Wingwalls		27		40. Scour		5-STABLE: SCOUR WITHIN L 60
41. Slope Protection		N-NONE	28	42. Summary		DIVE DT=N/A 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>						
51. Alignment		33	1	N-NONE		
52. Protection				53. Waterway Adequacy		34
			1	54. Summary		68
<b>APPROACHES</b>						
55. Pavement	4-GRAVEL	35	3	56. Approach Slabs		69
57. Guardrail		N-NONE	36	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=13.9	37	3	60. Summary		PCT.LEGAL=0 71
<b>GENERAL</b>						
61. Navigation Lights		38		ROUTINE.RESP: 3-COUNTY		
62. Warning Signs		MVC ON=12.5 UND=0000		MAINT.RESP: 3-COUNTY		72
63. Sign Supports		39		64. Utilities		73
65. Vertical Clearance		40	1	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

4

8

5

7

3

76 PE

SIGNED

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78 INITIALS

4

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8

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8

81 PE

SIGNED

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83 INITIALS

DOT 2852

DECK AREA 1,281

Date

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69 Survey

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Date

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105

## STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	1	6	6	5
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Bridge Number **MRW** **C0125** **00117** **19**  
CO ROUTE UNIT

**Date Built 07/01/1900 - 1975**

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU** Type Service **1** **15** **CLOSED**

00 NO REMARKS FOUND FOR THIS INSPECTION.

Unit of Measure: <b>English</b>			Bridge Inventory Information			Report Date 08/21/2012 BM-191 Page: 1 of 2		
Structure File Number <b>5931665</b>			Inventory Bridge Number: <b>MRW C0125 00117 19</b>			BR. Type <b>WROUGHT IRON / TRUSS / THRU</b>		
Sufficiency Rating: <b>00.0 SD</b>			<b>ON CLOSED</b>			Date of Last Inventory Update: <b>03/13/2012</b>		
District: <b>06</b> County <b>MORROW</b>			(101) Location: <b>.10 M.I.E.OF INT.OF SR42</b>			(102) Facility Carried: <b>CR125</b>		
(2) FIPS Code: <b>CARDINGTON TWP</b>			(103) Route On Bridge: <b>COUNTY</b>			(104) Route Under Bridge: <b>NON-HIGHWAY</b>		
(9) Direction of Traffic: <b>ONE LANE FOR 2-WAY TRAFFIC</b> (10) Temporary: <b>N</b>			(11) Truck Network: <b>N</b>			(12) Parallel: <b>N</b>		
(95) Insp: <b>COUNTY</b> (96) Maint: <b>COUNTY</b> (97) Routine: <b>COUNTY</b>			(100) Type Serv: (On): <b>HIGHWAY</b>			(Under): <b>WATERWAY</b>		
Inventory Route Data			(63) Main Spans Number: 1			Type: <b>WROUGHT IRON / TRUSS / THRU</b>		
(3) Route On/Under: <b>ON</b> Hwy Sys: <b>COUNTY/TOWNSHIP HIGHWAY</b>			Approach Spans Number: <b>0</b>			Type: <b>NONE / NONE / NONE</b>		
Route No.: <b>C0125</b> Dir: Des: <b>MAINLINE</b> Pref:			Total Spans: 1			(65) Max Span: <b>88</b> Ft (66) Overall Leng: <b>91</b> Ft		
(4) Feature Intersected: <b>CLOSED</b>			(70) Substructure			(71) Foundation and Scour Information		
(5) County: <b>CAR</b> Mileage: <b>00117</b> Special Desig: <b>19</b>			Abut-Rear Matl: <b>STONE</b>			Type: <b>GRAVITY</b> Fnd: <b>UNKNOWN (OR OLDER BRIDGE BEING ADDED)</b>		
(6) Avg. Daily Traffic(ADT): <b>150</b> (7) ADT Year: <b>1992</b>			Abut-Fwd Matl: <b>STONE</b>			Type: <b>GRAVITY</b> Fnd: <b>UNKNOWN (OR OLDER BRIDGE BEING ADDED)</b>		
(8) Truck Traf: <b>2</b> (14) NHS: <b>NO - X</b> (15) Corridor: <b>N</b>			Pier-Pred Matl: <b>NONE</b>			Type: <b>NONE</b> Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
(16) Functional Class: <b>LOCAL ROAD-RURAL</b> (19) Strahnt: <b>Not Applicable</b>			Pier-Other Matl: <b>NONE</b>			Type: <b>NONE</b> Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
Intersected Route Data			Pier-Other Matl: <b>NONE</b>			Type: <b>NONE</b> Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
(22) Route On/Under: Hwy Sys:			No of Piers Predominate: <b>NN</b>			Other: <b>NN</b> Other: <b>NN</b>		
Route No.: Dir: Des: Pref:			(86) Stream Velocity: <b>UUU</b>			(74) Scour: <b>STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE</b>		
(23) Feature Intersected:			(189) Dive: <b>N Freq: 0</b>			Probe: <b>Y Freq: 12</b> (75) Chan Prot: <b>NONE</b>		
(24) County: Mileage: Special Desig:			(189) Date of last Dive Insp:			(152) Drainage Area: <b>UUU</b> Sq Mi		
(25) Avg. Daily Traffic(ADT): <b>0</b> (26) ADT Year:			Clearance Under the Bridge					
(27) Truck Traf: <b>0</b> (28) NHS: - (29) Corridor:			(156) Min. Horiz Under Clear:			NC: <b>0.0</b> Ft Card: <b>0.0</b> Ft		
(30) Functional Class: (36) Strahnt: <b>Not Applicable</b>			(157) Prac Max Vrt Under Clear:			<b>0.0</b> Ft		
Clearance On the Bridge			(77) Min Vert Under Clear:			NC: <b>0.0</b> Ft Card: <b>0.0</b> Ft		
(154) Min Hriz on Bridge: NC: <b>0.0</b> Ft Card: <b>13.7</b> Ft			(78) Min Lat Under Clear:			NC: <b>0.0 / 0.0</b> Ft Card: <b>0.0 / 0.0</b> Ft		
(155) Prac Max Vert On Brg: <b>14.5</b> Ft			Load Rating Information (88-89) Appraisal					
(67) Min Vrt Clr On Brg: NC: <b>0.0</b> Ft Card: <b>12.5</b> Ft			(48) Design Load: <b>UNKNOWN [DEFAULT]</b>			(Including calculated Items)		
(80) Min Latl Clr: NC: <b>0.0 / 0.0</b> Ft Card: <b>0.0 / 0.0</b> Ft			(83) Operating: <b>0</b> Ton					
(81) Vrt Clr Lft: <b>0.0</b> Ft			Inventory: <b>0</b> Ton					
Structure Information			Ohio Percent of Legal Load <b>0</b>			(88) Waterway Adequacy <b>9</b>		
(38) Bypass Length: <b>02</b> Miles			Year of Rating: <b>1999</b>			(89) Approach Alignment <b>2</b>		
(39) Latitude: <b>40 Deg 38.0 Min</b> Longitude: <b>82 Deg 56.6 Min</b>			(84) Analysis: <b>ENGINEERING JUDGEMENT [DEFAULT]</b>			Calc Gen Appraisal: <b>0</b>		
(40) Toll: <b>ON FREE ROAD</b>			(85) Rate Soft: <b>NO SOFTWARE USED</b> Analyzed by:			Calc Deck Geometry: <b>0</b>		
(41) Date Built: <b>07/01/1900</b> (42) Major Rehabilitation: <b>01/01/1975</b>			Analysis on Bars: <b>NOT ON BARS [DEFAULT]</b>			Calc Underclearance: <b>N</b>		
(43) No. Lanes On: <b>1</b> No. Lanes Under: <b>0</b>			Approach Information					
(44) Horiz Curve: <b>Deg. Min.</b> (45) Skew: <b>0</b> Deg			(109) Approach Guardrail: <b>NONE</b>			(111) Grade: <b>FAIR</b>		
(49) App. Rdw Width: <b>24</b> Ft (50) Brg. Rdw Width: <b>13.9</b> Ft			(110) Approach Pavement: <b>GRAVEL</b>					
(51) Deck Width: <b>14.1</b> Ft Deck Area: <b>1281</b> Sq. Ft			Culvert Information					
(52) Median Type: <b>NONE / NON BARRIE / NO JOINT</b>			(131) Culvert Type: <b>NONE/NOT APPLICBLE</b>			(127) Length: <b>0.0</b> Ft		
(53) Bridge Median: <b>NO MEDIAN</b>			(129) Depth of Fill: <b>0.0</b> Ft			(130) Headwalls: <b>NONE</b>		
(54) Sidewalks: (left) <b>0</b> Ft (right) <b>0</b> Ft			General Information					
(55) Type Curb or Sidewalks:			(121) Main Member <b>N/A (CULVERTS, TRUSSES, ETC.)</b>			(122) Moment Plate: <b>NONE</b>		
(Left) Matl: <b>NONE</b> Type: <b>NONE</b>			(169) Expansion Joint: <b>NONE</b>					
(Right) Matl: <b>NONE</b> Type: <b>NONE</b>			(124) Bearing Devices: <b>SLIDING (OTHER)/NONE</b>					
(56) Flared: <b>N</b> (57) Composite: <b>non-composite</b>			(126) Navigation: <b>Control- N</b> Vert Clr: <b>0.0</b> Ft			Horiz Clear:: <b>0.0</b> Ft		
(58) Railing: <b>STEEL POST &amp; STEEL PANEL (DECORATIVE)</b>			(193) Spec Insp: <b>N</b> Freq: <b>0</b>			Date:		
(59) Deck Drainage: <b>OVER THE SIDE (W/O DRIP STRIP)</b>			(188) Fracture Critical Insp: <b>N</b> Freq: <b>0</b>			Date:		
(60) Deck Type: <b>LAMINATED TIMBER STRIP</b>			(138) Long Member: <b>TWO TRUSSES (RIVETED)</b>			(135) Hinges: <b>NOT APPLICABLE</b>		
(61) Deck Protection: External: <b>NONE</b>			(141) Structural Steel Memb: <b>NONE</b>			(139) Framing: <b>NONE</b>		
Internal: <b>NONE</b>						Railing: <b>OTHER</b>		
(62) Wearing Surface: <b>TIMBER</b>			Pay Wt: <b>0</b> pounds Prime Loc: <b>NONE</b>			Paint: <b>NONE</b>		
Thickness: <b>0.0</b> in (119) Date of Wearing Surface:			Bridge Dedicated Name:					
Slope Protection: <b>NONE-NATURAL PROTECTION(GRASS,BUSHES)</b>								

Unit of Measure: **English**  
Structure File Number **5931665**  
Sufficiency Rating: **00.0 SD**

Bridge Inventory Information  
Inventory Bridge Number:**MRW C0125 00117 19**  
**ON CLOSED**

Report Date 08/21/2012 BM-191 Page: 2 of 2  
BR. Type **WROUGHT IRON/TRUSS/THRU**  
Date of Last Inventory Update: 03/13/2012

General Information (Continued)				Original Plans Information			
((---) Hist Significance: <b>NOT HISTORIC</b>		(69) NBIS: Y		(142) Fabricator:			
((---) Hist Builder: <b>UNKNOWN</b>		Hist Build Year: <b>1890</b>		(143) Contractor:			
(69) Hist Type: <b>PRATT (PINNED)</b>				(144) Ohio Original Construction Project No.:			
(161) Special Features (see below):				((---) Microfilm Reel:			
(105) Border Bridge State: Resp % (106) SFN:				(151) Standard Drawing:			
Proposed Improvements		Programming Info		Aperture Cards: Orig: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b>			
(90) Type Work: -		PID Number:		Plan Information Available: <b>1PLAN INFORMATION AVAILABLE</b>			
		PID Status:		(153) Repair Projects			
(90) Length: Ft		PID Date:		1. / <b>MMM</b>		2. / <b>020</b>	
(90) Bridge Cost (\$1000s): <b>0</b>				4.		6.	
(90) Roadway Cost (\$1000s): <b>0</b>				7.		9.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		10.			
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2033</b>					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>4</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			(46) Electric: <b>N</b>		(161) Lighting: <b>N</b>	
(I-32) Superstructure: <b>0</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Gas: <b>N</b>		Fencing: <b>N</b>	
(I-42) Substructure: <b>4</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Sanitary Sewer: <b>N</b>		Glare-Screen: <b>N</b>	
(I-50) Culvert:	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Telephone: <b>N</b>		Splash-Guard: <b>N</b>	
(I-54) Channel: <b>7</b>	In Depth: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			TV Cable: <b>N</b>		Catwalks: <b>N</b>	
(I-60) Approaches: <b>3</b>	Fracture Critical: <b>N NONE N/A</b>			Water: <b>N</b>		Other-Feat: <b>N</b>	
(I-66) General Appraisal: <b>0</b>	Scour Critical: <b>N NONE N/A</b>			Other: <b>N</b>		(184) Signs-on: <b>N</b>	
(I-66) Operational Status: <b>K</b>	Critical Findings: <b>N NONE N/A</b>					Signs-Under: <b>N</b>	
Inspection Date: <b>12/28/2011</b>	Insp. Update Date: <b>03/13/2012</b>					(162) Fence-Ht: <b>0.0 Ft</b>	
(94) Desig Insp Freq: <b>12 Months</b>						(163) Noise Barr: <b>N</b>	
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: <b>MRW-C0125-00117-19</b> INT Field Bridge Marker: <b>---</b>			
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:							

PONTIS CoRe elements and Condition States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5
		0						

(\*) Percentages Should add to 100%