

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] Canaan [11248] .20 MILES E.OF INT.CR28 40-34-06 = 40.568333 082-54-54 = - 82.915000

5930723 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! TR133 Toll On free road [3] Features intersected SHAW CREEK

Design - main Aluminum, Wrought Iron or Cast Iron [9] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built #Num! Year reconstructed 1990

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 12.2 m = 40.0 ft Length of maximum span 11.9 m = 39.0 ft Deck width, out-to-out 4.3 m = 14.1 ft Bridge roadway width, curb-to-curb 4.2 m = 13.8 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 0.5 km = 0.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 2.6 metric ton = 2.9 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 3.6 metric ton = 4.0 tons

Bridge posting Design Load

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="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="23.9"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2010 [1010]"/>	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="October 2009 [1009]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5 9 3 0 7 2 3
1 Structure File Number 7

Bridge Number **MRW T0133 00234 12** CANAAN TWP
CO ROUTE UNIT

Date Built **07/01/1900 - 1990**

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15 SHAW CREEK**

MRW

DECK		Out/Out 14.0	2	THCK = 0.0	2
1. Floor	2-LAMINATED TIMBER STRIP	8	2	2. Wearing Surface	7-TIMBER 41
		N-NONE		W.S. Date = 01/01/1990	
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median	42
5. Railing	6-STEEL POST & STEEL PAN	10	2	6. Drainage	1-OVER THE SIDE (W/O DRI) 43
7. Expansion Joints		N-NONE	11	8. Summary	44
SUPERSTRUCTURE		MAX.SPAN=39	2		
9. Alignment			12	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES) 45
		TOT.LGTH=40			
11. Diaphragms or Crossframes			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	A-SLIDING (OTHER) N-NONE 52
25. Arch			20	26. Arch Columns or Hangers	53
27. Spandrel Walls			21	28. Protective Coating System	TYPE = N-NONE DATE = 01/01/1990 54
29. Pins/Hangers/Hinges			22	30. Fatigue Prone Connections	55
31. Live Load Response			23	32. Summary	56
SUBSTRUCTURE		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:=UNKNOWN / UNKNOWN 59
39. Fenders and Dolphins			27	40. Scour	5-STABLE: SCOUR WITHIN L 60
41. Slope Protection		N-NONE	28	42. Summary	DIVE DT=N/A 62
CULVERTS					
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
CHANNEL					
51. Alignment			33	52. Protection	N-NONE 67
53. Waterway Adequacy			34	54. Summary	68
APPROACHES					
55. Pavement	2-BITUMINOUS	35	3	56. Approach Slabs	69
57. Guardrail		N-NONE	36	58. Relief Joints	70
59. Embankment	BRDG.WIDTH=13.7	37	3	60. Summary	PCT.LEGAL=50 71
GENERAL					
61. Navigation Lights			38	62. Warning Signs	ROUTINE.RESP: 3-COUNTY MAINT.RESP: 3-COUNTY 72
63. Sign Supports	MVC ON=9999 UND=0000	39		64. Utilities	73
65. Vertical Clearance		N	40	66. General Appraisal & Operational Status	74

67. INSPECTED BY

68. REVIEWED BY

SIGNED _____ 76 PE 4 5 8 5 8 L R B 78 INITIALS

SIGNED _____ 81 PE 4 5 8 5 8 L R B 83 INITIALS

DOT 2852

DECK AREA 560

Date 1 2 2 8 1 1
86 91

0 0 0 0 0 1 1 0
92 69 Survey 99

Date 0 1 1 6 1 2
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	0	7	2	3
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1 Structure File Number 7

Bridge Number **MRW T0133 00234 12**
CO ROUTE UNIT

Date Built 07/01/1900 - 1990

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15**

SHAW CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.

Unit of Measure: **English**
Structure File Number **5930723**
Sufficiency Rating: **23.9 SD**

Bridge Inventory Information
Inventory Bridge Number: **MRW T0133 00234 12**
ON SHAW CREEK

Report Date **08/21/2012** **BM-191** Page: 1 of 2
BR. Type WROUGHT IRON / TRUSS / THRU
Date of Last Inventory Update: **03/20/2012**

District: **06** County **MORROW** (101) Location: **.20 MILES E.OF INT.CR28** (102) Facility Carried: **TR133**
(2) FIPS Code: **CANAAN TWP** (103) Route On Bridge: **TOWNSHIP** (104) Route Under Bridge: **NON-HIGHWAY**
(9) Direction of Traffic: **ONE LANE FOR 2-WAY TRAFFIC** (10) Temporary: **N** (11) Truck Network: **N** (12) Parallel: **N**
(95) Insp: **COUNTY** (96) Maint: **COUNTY** (97) Routine: **COUNTY** (100) Type Serv: (On): **HIGHWAY** (Under): **WATERWAY**

Inventory Route Data
(3) Route On/Under: **ON** Hwy Sys: **COUNTY/TOWNSHIP HIGHWAY**
Route No.: **T0133** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **SHAW CREEK**
(5) County: **CAN** Mileage: **00234** Special Desig: **12**
(6) Avg. Daily Traffic(ADT): **50** (7) ADT Year: **1992**
(8) Truck Traf: **1** (14) NHS: **NO - X** (15) Corridor: **N**
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: 1 Type: **WROUGHT IRON / TRUSS / THRU**
Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **39 Ft** (66) Overall Leng: **40 Ft**

Intersected Route Data
(22) Route On/Under: Hwy Sys:
Route No.: Dir: Des: Pref:
(23) Feature Intersected:
(24) County: Mileage: Special Desig:
(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:
(30) Functional Class: (36) Strahnt: **Not Applicable**

(70) Substructure (71) Foundation and Scour Information
Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Abut-Fwd Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
No of Piers Predominate: **NN** Other: **NN** Other: **NN**
(86) Stream Velocity: **UUU** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**
(189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (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 Ft** Card: **13.7 Ft**
(155) Prac Max Vert On Brg: **9999.9 Ft**
(67) Min Vrt Clr On Brg: NC: **0.0 Ft** 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: **03 Miles**
(39) Latitude: **40 Deg 34.1 Min** Longitude: **82 Deg 54.9 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1900** (42) Major Rehabilitation: **01/01/1990**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0 Deg**
(49) App. Rdw Width: **24 Ft** (50) Brg. Rdw Width: **13.7 Ft**
(51) Deck Width: **14.0 Ft** Deck Area: **560 Sq. Ft**

Load Rating Information (88-89) Appraisal
(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **4 Ton**
Inventory: **3 Ton**
Ohio Percent of Legal Load **50** (88) Waterway Adequacy **8**
Year of Rating: **2011** (89) Approach Alignment **7**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **3**
(85) Rate Soft: **OTHER** Analyzed by: **DHT** Calc Deck Geometry: **5**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

(52) Median Type: **NONE / NON BARRIE / NO JOINT**
(53) Bridge Median: **NO MEDIAN**
(54) Sidewalks: (left) **0 Ft** (right) **0 Ft**
(55) Type Curb or Sidewalks:
(Left) Matl: **NONE** Type: **NONE**
(Right) Matl: **NONE** Type: **NONE**
(56) Flared: **N** (57) Composite: **non-composite**
(58) Railing: **STEEL POST & STEEL PANEL (DECORATIVE)**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **LAMINATED TIMBER STRIP**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **TIMBER**
Thickness: **0.0 in** (119) Date of Wearing Surface: **01/01/1990**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

Approach Information
(109) Approach Guardrail: **NONE**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **FAIR**

Culvert Information
(131) Culvert Type: **NONE/NOT APPLICBLE** (127) Length: **0.0 Ft**
(129) Depth of Fill: **0.0 Ft** (130) Headwalls: **NONE**

General Information
(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (OTHER)/NONE**
(126) Navigation: **Control- N** 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: **2010-08-09**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**
Railing: **OTHER**
Paint: **NONE**
Pay Wt: **0 pounds** Prime Loc: **UNKNOWN**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **5930723**
 Sufficiency Rating: **23.9 SD**

Bridge Inventory Information
 Inventory Bridge Number: **MRW T0133 00234 12**
ON SHAW CREEK

Report Date **08/21/2012** **BM-191** Page: 2 of 2
 BR. Type **WROUGHT IRON/TRUSS/THRU**
 Date of Last Inventory Update: **03/20/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: WROUGHT IRON BRIDGE CO		Hist Build Year: 1890		(143) Contractor:			
(CANTON, OHIO)				(144) Ohio Original Construction Project No.:			
(69) Hist Type: PRATT (PINNED)				(--) Microfilm Reel:			
(161) Special Features (see below):				(151) Standard Drawing:			
(105) Border Bridge State: Resp % (106) SFN:				Aperture Cards: Orig: N Repair: N Fabr: N			
Proposed Improvements		Programming Info		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
(90) Type Work: -		PID Number:		(153) Repair Projects			
(90) Length: Ft		PID Status:		1. / 020		2. / MMM	
(90) Bridge Cost (\$1000s): 0		PID Date:		4. / 044		3. / 020	
(90) Roadway Cost (\$1000s): 0				7.		5.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		10.		6.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 5	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: N	(161) Lighting: N	Gas: N	Fencing: N		
(I-32) Superstructure: 4	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: N	Glare-Screen: N	Telephone: N	Splash-Guard: N		
(I-42) Substructure: 5	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: N	Catwalks: N	Water: N	Other-Feat: N		
(I-50) Culvert: 6	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Other: N	(184) Signs-on: N				
(I-54) Channel: 6	In Depth: 0 DOES NOT MEET CURRENT STANDARDS	(162) Fence-Ht: 0.0 Ft					
(I-60) Approaches: 5	Fracture Critical: 1 MEETS CURRENT STANDARDS	(163) Noise Barr: N					
(I-66) General Appraisal: 4	Scour Critical: 1 MEETS CURRENT STANDARDS						
(I-66) Operational Status: P	Critical Findings: 0 DOES NOT MEET CURRENT STANDARDS						
Inspection Date: 12/28/2011	Insp. Update Date: 03/13/2012						
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -		-		INV Field Bridge Marker: MRW-T0133-00234-12			
SFNs That where replaced by this bridge: -		-		INT Field Bridge Marker: ---			
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%