

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]	Henry County [069]	Richfield [66502]	NO DATA	00-00-00 = 0.000000	000-00-00 = 0.000000
3530876	Highway agency district 2	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	NO DATA	Toll On free road [3]	Features intersected	BEAVER CREEK (CLOSED)	
Design - main Steel [3]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1925	Year reconstructed 1975	
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 9.4 m = 30.8 ft	Length of maximum span 9.1 m = 29.9 ft	Deck width, out-to-out 4.8 m = 15.7 ft	Bridge roadway width, curb-to-curb 4.8 m = 15.7 ft		
Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 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 0.3 km = 0.2 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	0 metric ton = 0.0 tons
	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 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

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Critical [2]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Critical [2]

Appraisal ratings -
deck geometry

Equal to present desirable criteria [8]

Condition ratings - deck

Scour

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

Channel and channel protection

Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy

Equal to present minimum criteria [6]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

26.2

Culverts

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

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

June 2010 [0610]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date

Unit of Measure: **English**
Structure File Number **3530876**
Sufficiency Rating: **26.2 SD**

Bridge Inventory Information
Inventory Bridge Number: **HEN 000H1 0290**
ON BEAVER CREEK (CLOSED)

Report Date **01/08/2014** BM-191 Page: 1 of 2
BR. Type STEEL / BEAM / SIMPLE SPAN
Date of Last Inventory Update: **06/08/2012**

District: **02** County **HENRY** (101) Location: **NO DATA** (102) Facility Carried: **NO DATA**
(2) FIPS Code: **RICHFIELD 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.: **000H1** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **BEAVER CREEK (CLOSED)**
(5) County: **HEN** Mileage: **0290** Special Desig:
(6) Avg. Daily Traffic(ADT): **20** (7) ADT Year: **1971**
(8) Truck Traf: **0** (14) NHS: **NO - X** (15) Corridor: **N**
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: 1 Type: **STEEL / BEAM / SIMPLE SPAN**
Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **30 Ft** (66) Overall Leng: **31 Ft**
(70) Substructure (71) Foundation and Scour Information
Abut-Rear Matl: **STEEL AND CONCRETE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Abut-Fwd Matl: **STEEL AND CONCRETE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**

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**

No of Piers Predominate: **NN** Other: **NN** Other: **NN**
(86) Stream Velocity: **000.0** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**
(189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **OTHER-GRASS, BUSHES & TREES**
(189) Date of last Dive Insp: (152) Drainage Area: **016 Sq Mi**

Clearance On the Bridge
(154) Min Hriz on Bridge: NC: **0.0 Ft** Card: **15.8 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: **02 Miles**
(39) Latitude: **41 Deg 16.6 Min** Longitude: **83 Deg 54.3 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1925** (42) Major Rehabilitation: **01/01/1975**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0 Deg**
(49) App. Rdw Width: **10 Ft** (50) Brg. Rdw Width: **15.8 Ft**
(51) Deck Width: **15.8 Ft** Deck Area: **495 Sq. Ft**

Load Rating Information (88-89) Appraisal
(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **0 Ton**
Inventory: **0 Ton**
Ohio Percent of Legal Load **0** (88) Waterway Adequacy **6**
Year of Rating: **1993** (89) Approach Alignment **5**
(84) Analysis: **ENGINEERING JUDGEMENT [DEFAULT]** Calc Gen Appraisal: **0**
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by: Calc Deck Geometry: **8**
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:
(58) Railing: **OTHER**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **TIMBER PLANK**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **TIMBER**
Thickness: **0.0 in** (119) Date of Wearing Surface:
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

Approach Information
(109) Approach Guardrail: **NONE**
(110) Approach Pavement: **GRAVEL** (111) Grade: **POOR**

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 **ROLLED STEEL** (122) Moment Plate: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (BRONZE)/NONE**
(126) Navigation: **Control- X** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**
(193) Spec Insp: **N** Freq: **0** Date:
(188) Fracture Critical Insp: **N** Freq: **0** Date:
(138) Long Member: **NOT APPLICABLE** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0 pounds** Prime Loc: **UNKNOWN**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **3530876**
 Sufficiency Rating: **26.2 SD**

Bridge Inventory Information
 Inventory Bridge Number: **HEN 000H1 0290**
ON BEAVER CREEK (CLOSED)

Report Date **01/08/2014** **BM-191** Page: 2 of 2
BR. Type STEEL/BEAM/SIMPLE SPAN
 Date of Last Inventory Update: **06/08/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: NONE N/A		Hist Build Year: 1925		(143) Contractor:			
(69) Hist Type: NONE N/A				(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: N Repair: N Fabr: N			
(90) Type Work: 31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM		PID Number:		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): 0		PID Date:		1. / 020		2. / MMM	
(90) Roadway Cost (\$1000s): 0				4.		5.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		7.		8.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033		10.		9.	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 0	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: U	(161) Lighting: N	(I-32) Superstructure: 0	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Gas: U	Fencing: N
(I-42) Substructure: 2	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: U	Glare-Screen: N	(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Telephone: U	Glare-Screen: N
(I-54) Channel: 5	In Depth: N NONE N/A	TV Cable: U	Splash-Guard: N	(I-60) Approaches: 0	Fracture Critical: N NONE N/A	Water: U	Splash-Guard: N
(I-66) General Appraisal: 0	Scour Critical: N NONE N/A	Other: U	Catwalks: N	(I-66) Operational Status: K	Critical Findings: N NONE N/A	Other-Feat: U	Catwalks: N
Inspection Date: 07/11/2013	Insp. Update Date: 08/16/2013	(184) Signs-on: N	Other-Feat: U	(94) Desig Insp Freq: 12 Months	Critical Findings: N NONE N/A	(162) Fence-Ht: 0.0 Ft	Other-Feat: U
		(163) Noise Barr: N					
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: HEN-000H1-0290 -					
		INT Field Bridge Marker: ---					

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%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

3 5 3 0 8 7 6
1 Structure File Number 7

Bridge Number **HEN 000H1 0290**
CO ROUTE UNIT

RICHFIELD TWP

Date Built **07/01/1925 - 1975**

District **02** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15 BEAVER CREEK (CLOSED)**

HEN

DECK		Out/Out 15.8	4	THCK = 0.0		
1. Floor	3-TIMBER PLANK 8			2. Wearing Surface	7-TIMBER 41	
	N-NONE				W.S. Date =	
3. Curbs, Sidewalks, Walkways	N-NONE 9			4. Median		42
5. Railing	0-OTHER 10		3	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	N-NONE 11			8. Summary		44
						0
SUPERSTRUCTURE		MAX.SPAN=30	4			4
9. Alignment				10. Beams/Girders/Slab	1-ROLLED STEEL	45
	TOT.LGTH=31					
11. Diaphragms or Crossframes				12. Joists/Stringers		46
13. Floor Beams				14. Floor Beam Connections		47
15. Verticals				16. Diagonals		48
17. End Posts				18. Top Chord		49
19. Lower Chord				20. Lower Lateral Bracing		50
21. Top Lateral Bracing				22. Sway Bracing		51
23. Portals				24. Bearing Devices	3-SLIDING (BRONZE) N-NONE	52
25. Arch				26. Arch Columns or Hangers		53
27. Spandrel Walls				28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1925	54
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections		55
31. Live Load Response				32. Summary		56
						0
SUBSTRUCTURE		7-STEEL AND CONCRETE	4	PIERS=0 SPANS = 1		4
33. Abutments	7-STEEL AND CONCRETE 24			34. Abutment Seats		57
35. Piers	TYPE = N-NONE 25			36. Pier Seats		58
37. Backwalls			3	38. Wingwalls	ABUTMENT:=UNKNOWN / UNKNOWN	59
39. Fenders and Dolphins				40. Scour	5-STABLE: SCOUR WITHIN L 60	60
41. Slope Protection	N-NONE 28			42. Summary	DIVE DT=N/A	62
						2
CULVERTS						
43. General				44. Alignment		63
45. Shape				46. Seams		64
47. Headwalls or Endwalls				48. Scour		65
49.				50. Summary		66
CHANNEL				0-OTHER-GRASS, BUSHES & TREES		2
51. Alignment			2	52. Protection		67
53. Waterway Adequacy			2	54. Summary		68
						5
APPROACHES						
55. Pavement	4-GRAVEL 35		4	56. Approach Slabs		69
57. Guardrail	N-NONE 36			58. Relief Joints		70
59. Embankment	BRDG.WIDTH=15.8 37		4	60. Summary	PCT.LEGAL=0	71
						0
GENERAL				ROUTINE.RESP: 3-COUNTY		1
61. Navigation Lights				62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=9999 UND=0000			64. Utilities		73
65. Vertical Clearance		N		66. General Appraisal & Operational Status		74
						COND STAT 0 K

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

S K
78 INITIALS

SIGNED

6 2 8 2 1
81 PE

T S
83 INITIALS

DOT 2852

DECK AREA 495

Date 0 7 1 1 1 3
86 91

0 0 0 0 N N N N
92 69 Survey 99

Date 0 7 1 2 1 3
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

3	5	3	0	8	7	6
---	---	---	---	---	---	---

1 Structure File Number 7

Bridge Number **HEN 000H1 0290**
CO ROUTE UNIT

Date Built 07/01/1925 - 1975

District **02** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15**

BEAVER CREEK (CLOSED)

00 NO REMARKS FOUND FOR THIS INSPECTION.
