HistoricBridges.org - National Bridge Inventory Data Sheet

2014 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Huron County [077]	Ridgefield [67006]	0.2 MI W OF RIVER ROAD	41-16-46.32 = 41.279533	082-40-31.92 = -82.675533

3931528	Highway agency district 3	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	#Num!		LAMEREAUX 118	Toll	On free road [3]

Features intersected: LAMEREAUX/W BR HRN RVR

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1882
				Year reconstructed	1996
				Skew angle	0
				Structure Flared	

Historical significance: Bridge is not eligible for the NRHP. [5]

Total length	50.3 m = 165.0 ft	Length of maximum span	47.2 m = 154.9 ft	Deck width, out-to-out	4.9 m = 16.1 ft	Bridge roadway width, curb-to-curb	4.7 m = 15.4 ft

Inventory Route, Total Horizontal Clearance	4.7 m = 15.4 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	Load Factor(LF) [1]	Inventory rating	32.4 metric ton = 35.6 tons
0.6 km = 0.4 mi	Method to determine operating rating	Load Factor(LF) [1]	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	251	Average daily truck traffi	5 %	Year	1996	Future average daily traffic	348	Year	2030

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	7.9 m = 25.9 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	Not applicable, no waterway. [N]
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	99.99 m = 328.1 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	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Very Good [8]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	78.9

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	August 2013 [0813]	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	

District: 03 | County: HURON | (101) Location: 0.2 MI W OF RIVER ROAD | (102) Facility Carried: LAMEREAUX 118
(2) FIPS Code: HUR-T-67006-RIDGEFIELD TWP | (103) Route On Bridge: TOWNSHIP | (104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: ONE LANE BRIDGE FOR 2-WAY | (10) Temporary: | (11) Truck Network: N | (12) Parallel: N
(100) Type Serv: (On): HIGHWAY | (Under): WATERWAY

Inventory Route Data

(3) Route On/Under: ROUTE CARRIED "ON" THE STR | Hwy Sys: COUNTY HIGHWAY (TOWNS
Route No: T0118 | Dir: NOT APPLICABLE | Des: MAINLINE | Pref: N
(4) Feature Intersected: LAMEREAUX/W BR HRN RVR
(5) County: RFT | Mileage: 00310 | Special Desig: N
(6)Avg. Daily Traffic(ADT): 251 | (7) ADT Year: 1996
(8) Truck Traf: 13 | (14) NHS: NON-NHS BRIDG | (15) Corridor: N
(16) Functional Class: RURAL - LOCAL | (19) Strahnt: NOT STRAHNET

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:

Clearance On the Bridge

(154) Min. Hriz on Bridge: | NC: 0.0 | Card: 15.5 Ft
(155) Prac Max Vert On Brg: | 9999.9 Ft
(67) Min Vrt Clr On Brg: | NC: 0.0 | Card: 9999.9 Ft
(80) Min Latl Clr: | NC: 0.0/0.0 Ft | Card: 3.5/5.1 Ft
(81) Vrt Clr Lft: | 0.0 Ft

Structure Information

(38) Bypass Length: 04 Miles
(39) Latitude: 41 Deg 16 Min 46.32 Sec | Longitude: 82 Deg 40 Min 31.92 Sec
(40) Toll: ON FREE ROAD, THE STRUCTU
(41) Date Built: 7/1/1882 | (42) Major Rehabilitation: 1/1/1996
(43) No. Lanes On: 1 | No. Lanes Under: 0
(44) Horiz Curve: 00D00M | (45) Skew: 0 Deg
(49) App. Rdw Width: 26 Ft | (50) Brg. Rdw Width: 15.5 Ft
(51) Deck Width: 16.0 Ft | Deck Area: 2637 Sq. Ft
(52) Median Type: NONE/NON BARRIER/NO JOINT
(53) Bridge Median: NO MEDIAN
(54) Sidewalks: | (left) 0.0 Ft | (right) 0.0 Ft
(55) Type Curb or Sidewalks:
(Left) Matl: NONE | Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)
(Right) Matl: NONE | Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)
(56) Flared: 0 | (57) Composite: N - NON_COMPOSITE
(58) Railing: STEEL GUARDRAIL ON STEEL, CONCRETE OR TI
(59) Deck Drainage: OVER THE SIDE (WITHOUT DRIP STRIP)
(60) Deck Type: LAMINATED TIMBER STRIP
(61) Deck Protection: External: NOT APPLICABLE (ONLY FOR BRIDGES FOR NO
Internal: NOT APPLICABLE (APPLIES ONLY TO BRIDGES
(62) Wearing Surface: TIMBER - NOT AN OVERLAY
Thickness: 6.0 in | (119) Date of Wearing Surface: 1/1/1996
Slope Protection: NONE

(63) Main Spans Number: 2 | Type: STEEL/BEAM/SIMPLE
Approach Spans Number: 0 | Type: NONE/NONE/NONE
Total Spans: 2 | (65) Max Span: 155 Ft | (66) Overall Leng: 165 Ft

(70) Substructure		(71) Foundation and Scour Information	
Abut-Rear	Matl: CONCRETE	Type: SOLID WALL	Fnd: SPREAD FOOTING
Abut-Fwd	Matl: CONCRETE	Type: PROPRIETARY WALL W/STUB TY	Fnd: SPREAD FOOTING
Pier-Pred	Matl: CONCRETE	Type: SOLID WALL	Fnd: SPREAD FOOTING
Pier-Other	Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
Pier-Other	Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
No of Piers Predominate:		Other:	Other:

(86) Stream Velocity: 00000 | (74) Scour: BRIDGE FOUNDATIONS DETERMINED TO BE STAB
(189) Dive: N Freq: 0 | Probe: Y Freq: 0 | (75) Chan Prot: GABIONS (WIRE MESH BASKETS FILLE
(189) Date of last Dive Insp: | (152) Drainage Area: 227 Sq Mi

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

Load Rating Information

(48) Design Load: HS20
Opr Rat Fact: 1.250 LD:
Inv Rat Fact: 1.000 LD:
(83) Ohio Percent of Legal Load: 150
Year of Rating: 2013
(84) Analysis: LOAD FACTOR (LF) RATING REPORTED BY RF U
(85) Rate Soft: OTHER PROGRAM
Analysis on Bars: NOT ON BARS [DEFAULT]
PE#: 53391 WILLIAM VERMES

(88-89) Appraisal

(Including calculated Items)
(88) Waterway Adequacy: 9
(89) Approach Alignment: 8
Calc Gen Appraisal: 6
Calc Deck Geometry: 2
Calc Underclearance: N

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: NO MOMENT PLATES
(169) Expansion Joint: NONE
(124) Bearing Devices: SLIDING (OTHER)
(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: N | Freq: 24 | Date:
(138) Long Member: NOT APPLICABLE (I.E. CULVERT, BEAM, SLAB | (135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO
(141) Structural Steel Memb: UNKNOWN | (139) Framing: STRAIGHT BEAMS/GIRDERS
Railing: U
Pay Wt: 99 pounds | Prime Loc: UNKNOWN | Paint: OTHER PAINT
Bridge Dedicated Name:

General Information (Continued)

(---) Hist Significance: NOT ELIGIBLE (69) NBIS: Y
(---) Hist Builder: WROUGHT IRON BRIDGE CO (CANTON, OHIO) Hist Build Year: 1882
(69) Hist Type: PRATT (PINNED)
(161) Special Features (see below):
(105) Border Bridge State: Resp: %(106) SFN:

Proposed Improvements

(90) Type Work: -
(90) Length: Ft
(90) Bridge Cost ($1000s):
(90) Roadway Cost ($1000s):
(90) Total Project Cost ($1000s): (90) Year:
(91) Future ADT (On Bridge): 348 (92) Year of Future ADT: 2030

Programming Info

PID Number:
PID Status:
PID Date:

Original Plans Information

(142) Fabricator:
(143) Contractor: HURON CO HWY
(144) Ohio Original Construction Project No:
(---) Microfilm Reel:
(151) Standard Drawing:
Aperture Cards: Orig: N Repair: N Fabr: N
Plan Information Available: 2 FIELD MEASURED INFORMATION FOR LOAD RAT

(153) Repair Projects:

1) / MMM	2) / 020	3) 960000 / 003
4) 960000 / 020	5) / 002	

Inspection Summary

(I-8) Deck:	8
(I-32) Superstructure:	8
(I-42) Substructure:	6
(I-50) Culvert:	N
(I-54) Channel:	7
(I-60) Approaches:	6
(I-66) General Appraisal:	6
(I-66) Operational Status:	A
Inspection Date:	7/28/2015
(94) Desig Insp Freq	12 Months

(I-69) Survey Items

Railings:	DOES NOT MEET ACCEPTABLE STANDA
Transitions:	DOES NOT MEET ACCEPTABLE STANDA
Guardrail:	MEETS ACCEPTABLE STANDARDS
Rail Ends:	DOES NOT MEET ACCEPTABLE STANDA
In Depth:	
Fracture Critical:	
Scour Critical	
Critical Findings:	
Insp. Update Date:	7/28/2015

Utilities

(46)	Electric:	N
	Gas:	N
	Sanitary Sewer:	N
	Telephone:	N
	TV Cable:	N
	Water:	N
	Other:	N

Special Features

(161)	Lighting:	N
	Fencing:	N
	Glare-Screen:	N
	Splash-Guard:	N
	Catwalks:	N
	Other-Feat:	N
(184)	Signs-On:	N
	Signs-Under	N
(162)	Fence-Ht	0.0
(163)	Noise Barr	N

SFNs Replacing this retired bridge: -
SFNs That were replaced by this bridge: -
This bridge was retired and copied to:
The bridge was copied from:

INV Field Bridge Marker: HUR - T0118 - 0031 - N
INT Field Bridge Marker: - - 0000 -

(95) Insp: COUNTY AGENCY	2nd: NONE	3rd: NONE
(96) Maint: COUNTY AGENCY	2nd: NONE	3rd: NONE
(97) Routine: COUNTY 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

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 3931528 | HUR (CO) | T0118 (Route) | 00310 (SLM) | HUR-T-67006-RIDGEFIELD TWP (FIPS) | **DATE BUILT** 07/01/1882 - 1996

District 03 | STEEL/BEAMSIMPLE | **Type of Service** 1 | 15 LAMEREAUX/W BR HRN RVR | N (SD) | HUR

DECK

1. Floor	Out/Out 16.0 2-LAMINATED TIMBER STRIP	1	2. Wearing Surface	THCK= 6.0 7-TIMBER - NOT AN OVERLAY	
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE		4. Median	W.S. Date = 01/01/1996 N-NO MEDIAN	
5. Railing	7-STEEL GUARDRAIL ON STEEL, CONCRETE OR TI	1	6. Drainage	1-OVER THE SIDE (WITHOUT DRIP STRIP)	1
7. Expansion Joints	N-NONE		**8. SUMMARY**	Deck Area: 2,637	8

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 155	2	10. Beams/Girders/Slab	1-ROLLED STEEL	**1**
11. Diaphragms or Cross Frames	TOT.LGTH = 165	1	12. Joist/Stringers		
13. Floorbeams			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) N-NONE	1
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			**28. Protective Coating System (PCS)**	TYPE: 0OTHER PAINT DATE = 06/12/1996	2
29. Pins/Hangers/Hinges	ADT: 251 TRUCK: 13 YEAR: 1996		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		S	**32. SUMMARY**		8

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	1	34. Abutment Seats	PIERS= # OF SPANS=2	**1**
35. Piers	TYPE = 2-CONCRETE	2	36. Pier Seats		**1**
37. Backwalls		1	38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING	2
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	8-BRIDGE FOUNDATIONS DETERMINED TO BE STAB 1	**2**
41. Slope Protection	N-NONE		**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	3-GABIONS (WIRE MESH BASKETS FILLED WITH S	1
53. Hydraulic Opening		1	**54. SUMMARY**		7

APPROACHES

55. Pavement	2-BITUMINOUS	1	56. Approach Slabs		
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint		
59. Embankment	BRDG.WIDTH=15.5	2	**60. SUMMARY**	PCT.LEGAL= 150	6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY	1
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities		
65. Vertical Clearance (1, 2-change, N)			66. **General Appraisal** & Operational Status	6	A

67. INSPECTED BY

Print First & Last Name | 55,488 PE Number | JW Initial

Inspected Date: 7/28/2015

68. REVIEWED BY

Print First & Last Name | 55,488 PE Number | JW Initial

Reviewed Date: 8/3/2015

0	0	1	0				

69. Survey (1, 0, N)