

# 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]	Hancock County [063]	Union [78330]	0.49 MI E SR 235	40-56-42 = 40.945000	083-48-48 = - 83.813333
3231593	Highway agency district 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	UNI TWP RD 38	Toll On free road [3]	Features intersected OTTAWA CREEK (CLOSED)		
Design - main	Steel [3]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built #Num!	Year reconstructed 1995
				Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length	19.2 m = 63.0 ft	Length of maximum span	17.1 m = 56.1 ft	Deck width, out-to-out	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 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	Bituminous [6]				
Deck protection	Other [9]				
Type of membrane/wearing surface	Other [9]				

## Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	0 metric ton = 0.0 tons
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	0.3 metric ton = 0.3 tons
	Bridge posting		Design Load	

### Functional Details

Average Daily Traffic	1	Average daily truck traffi	0	%	Year	2000	Future average daily traffic	83	Year	2027
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	3.7 m = 12.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		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	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	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Better than present minimum criteria [7]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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 desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	31
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	August 2010 [0810]	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: <b>English</b> Structure File Number <b>3231593</b> Sufficiency Rating: <b>31.0 SD</b>			<b>Bridge Inventory Information</b> Inventory Bridge Number: <b>HAN T0038 0052</b> <b>ON OTTAWA CREEK (CLOSED)</b>			<b>Report Date 02/28/2013 BM-191 Page: 1 of 2</b> <b>BR. Type STEEL / TRUSS / PONY (TRUSS)</b> <b>Date of Last Inventory Update: 10/14/2011</b>		
District: <b>01</b>			County <b>HANCOCK</b>			(101) Location: <b>0.49 MI E SR 235</b>		
(2)FIPS Code: <b>UNION TWP</b>						(102) Facility Carried: <b>UNI TWP RD 38</b>		
(9) Direction of Traffic: <b>1-WAY TRAFFIC</b>			(10) Temporary: <b>N</b>			(103) Route On Bridge: <b>TOWNSHIP</b>		
(95) Insp: <b>COUNTY</b> (96) Maint: <b>COUNTY</b> (97) Routine: <b>COUNTY</b>						(11)Truck Network: <b>N</b>		
						(12)Parallel: <b>N</b>		
						(Under): <b>WATERWAY</b>		
<b>Inventory Route Data</b>			(63) Main Spans Number: <b>1</b>			Type: <b>STEEL / TRUSS / PONY (TRUSS)</b>		
(3) Route On/Under: <b>ON</b>			Hwy Sys: <b>COUNTY/TOWNSHIP HIGHWAY</b>			Approach Spans Number: <b>0</b>		
Route No.: <b>T0038</b> Dir:			Des: <b>MAINLINE</b> Pref:			Type: <b>NONE / NONE / NONE</b>		
						Total Spans: <b>1</b>		
						(65) Max Span: <b>56</b> Ft		
						(66) Overall Leng: <b>63</b> Ft		
(4) Feature Intersected: <b>OTTAWA CREEK (CLOSED)</b>								
(5) County: <b>HAN</b> Mileage: <b>0052</b>			Special Desig:			(70) Substructure		
(6) Avg. Daily Traffic(ADT): <b>1</b>			(7) ADT Year: <b>2000</b>			Abut-Rear Matl: <b>STONE</b>		
(8) Truck Traf: <b>1</b> (14) NHS: <b>NO - X</b>			(15) Corridor: <b>N</b>			Abut-Fwd Matl: <b>CONCRETE</b>		
(16) Functional Class: <b>LOCAL ROAD-RURAL</b>			(19) Strahnt: <b>Not Applicable</b>			Pier-Pred Matl: <b>NONE</b>		
						Pier-Other Matl: <b>NONE</b>		
						Pier-Other Matl: <b>NONE</b>		
						Type: <b>NONE</b>		
						Type: <b>NONE</b>		
						Type: <b>NONE</b>		
						Fnd: <b>SPREAD FOOTING</b>		
						Fnd: <b>SPREAD FOOTING</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</b>		
						Other: <b>NN</b>		
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						Other: <b>NN</b>		

Unit of Measure: **English**  
Structure File Number **3231593**  
Sufficiency Rating: **31.0 SD**

Bridge Inventory Information  
Inventory Bridge Number:**HAN T0038 0052**  
**ON OTTAWA CREEK (CLOSED)**

Report Date 02/28/2013 BM-191 Page: 2 of 2  
BR. Type **STEEL/TRUSS/PONY (TRUSS)**  
Date of Last Inventory Update: 10/14/2011

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NONE N/A</b> (---) Hist Builder: <b>SMITH BRIDGE CO (TOLEDO, OH)</b> Hist Build Year: <b>1900</b> (69) Hist Type: <b>PRATT PONY</b> (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:				(69) NBIS: Y (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>2</b> <b>FIELD MEASURED INFORMATION</b> (153) Repair Projects			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number:					
(90) Length: Ft		PID Status:					
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		1. / <b>MMM</b> 2. / <b>020</b> 3. / <b>020</b>			
(90) Roadway Cost (\$1000s): <b>0</b>				4.5.6.			
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		7.8.9.			
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2033</b>		10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>6</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(I-46) Electric: <b>N</b>	(161) Lighting: <b>N</b>				
(I-32) Superstructure: <b>4</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Gas: <b>N</b>	Fencing: <b>N</b>				
(I-42) Substructure: <b>3</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>5</b>	In Depth: <b>N NONE N/A</b>	TV Cable: <b>N</b>	Catwalks: <b>N</b>				
(I-60) Approaches: <b>7</b>	Fracture Critical: <b>N NONE N/A</b>	Water: <b>N</b>	Other-Feat: <b>N</b>				
(I-66) General Appraisal: <b>3</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>07/10/2012</b>	Insp. Update Date: <b>11/15/2012</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: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:				INV Field Bridge Marker: <b>HAN-00038-0052 -</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
		0						

(\*) Percentages Should add to 100%

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3

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3

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Structure File Number7

Bridge Number

HAN

T0038

0052

CO

ROUTE

UNIT

UNION TWP

Date Built 07/01/1900 - 1995

District 01 Bridge Type STEEL/TRUSS/PONY (TRUSS) Type Service 1 15 OTTAWA CREEK (CLOSED) HAN

DECK		Out/Out 16.0		THCK = 2.0		
1. Floor		2-LAMINATED TIMBER STRIP	8	2. Wearing Surface		6-BITUM (ASPHLT CONCRT) 41
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median		W.S. Date = 07/01/1990 42
5. Railing		0-OTHER	10	6. Drainage		1-OVER THE SIDE (W/O DRI 43
7. Expansion Joints		N-NONE	11	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=56				
9. Alignment			12	10. Beams/Girders/Slab		N-N/A (CULVERTS, TRUSSES 45
11. Diaphragms or Crossframes		TOT.LGTH=63	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	3-SLIDING (BRONZE)		
25. Arch			20	24. Bearing Devices		N-NONE 52
27. Spandrel Walls			21	26. Arch Columns or Hangers		53
29. Pins/Hangers/Hinges			22	TYPE = U-UNKNOWN		
31. Live Load Response			23	28. Protective Coating System		DATE = 01/01/1991 54
				30. Fatigue Prone Connections		55
				S		
				32. Summary		56
SUBSTRUCTURE		2-CONCRETE		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	ABUTMENT:=SPREAD / SPREAD		
39. Fenders and Dolphins			27	38. Wingwalls		59
41. Slope Protection		N-NONE	28	40. Scour		8-STABLE: EVAL SCOUR ABO 60
				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	0-OTHER-GRASS, BUSHES & TREES		
53. Waterway Adequacy			34	52. Protection		67
				54. Summary		68
APPROACHES						
55. Pavement		2-BITUMINOUS	35	56. Approach Slabs		69
57. Guardrail		1-STEEL BEAM	36	58. Relief Joints		70
59. Embankment		BRDG.WIDTH=15.5	37	60. Summary		PCT.LEGAL=0 71
GENERAL						
61. Navigation Lights			38	ROUTINE.RESP: 3-COUNTY		
63. Sign Supports		MVC ON=9999 UND=0000	39	62. Warning Signs		MAINT.RESP: 3-COUNTY 72
65. Vertical Clearance			40	64. Utilities		73
				N		
				66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

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78 INITIALS

SIGNED

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

Bridge Number HAN T0038 0052  
CO ROUTE UNIT

Date Built 07/01/1900 - 1995

District 01 Bridge Type STEEL/TRUSS/PONY (TRUSS) Type Service 1 1 5 OTTAWA CREEK (CLOSED)

00 NO REMARKS FOUND FOR THIS INSPECTION.