

# 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]	Sandusky County [143]	Ballville [03730]	NO DATA	41-18-30 = 41.308333	083-09-30 = - 83.158333
7230168	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	SANDUSKY RIVER
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
2	Truss - Thru [10]	0	Other [00]	Year built	1915
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	101.2 m = 332.0 ft	Length of maximum span	50.6 m = 166.0 ft	Deck width, out-to-out	4.9 m = 16.1 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	Open Grating [3]				
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	16.2 metric ton = 17.8 tons
0.5 km = 0.3 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	21.7 metric ton = 23.9 tons
Bridge posting	30.0 - 39.9 % below [1]		Design Load	

### Functional Details

Average Daily Traffic	480	Average daily truck traffi	0	%	Year	1984	Future average daily traffic	666	Year	2033
Road classification	Major Collector (Rural) [07]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		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	4.09 m = 13.4 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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="46.5"/>
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="January 2011 [0111]"/>	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="February 2011 [0211]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: <b>English</b> Structure File Number <b>7230168</b> Sufficiency Rating: <b>26.4 SD</b>			<b>Bridge Inventory Information</b> Inventory Bridge Number: <b>SAN T0209 0005</b> <b>ON SANDUSKY RIVER</b>			<b>Report Date 01/08/2014 BM-191 Page: 1 of 2</b> <b>BR. Type STEEL / TRUSS / THRU</b> <b>Date of Last Inventory Update: 03/11/2013</b>		
District: <b>02</b> County <b>SANDUSKY</b>			(101) Location: <b>NO DATA</b>			(102) Facility Carried: <b>NO DATA</b>		
(2)FIPS Code: <b>BALLVILLE TWP</b>			(103) Route On Bridge: <b>COUNTY</b>			(104) Route Under Bridge: <b>NON-HIGHWAY</b>		
(9) Direction of Traffic: <b>2-WAY TRAFFIC</b>			(10) Temporary: <b>N</b>			(11)Truck Network: <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>			(12)Parallel: <b>N</b> (Under): <b>WATERWAY</b>		
<b>Inventory Route Data</b>			(63) Main Spans Number: <b>2</b>			Type: <b>STEEL / 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>T0209</b> Dir: Des: <b>MAINLINE</b> Pref:			Total Spans: <b>2</b>			(65) Max Span: <b>166</b> Ft (66) Overall Leng: <b>332</b> Ft		
(4) Feature Intersected: <b>SANDUSKY RIVER</b>			(70) Substructure			(71) Foundation and Scour Information		
(5) County: <b>BA</b> Mileage: <b>0005</b> Special Desig:			Abut-Rear Matl: <b>CONCRETE</b>			Type: <b>GRAVITY</b> Fnd: <b>ROCK</b>		
(6) Avg. Daily Traffic(ADT): <b>480</b> (7) ADT Year: <b>1984</b>			Abut-Fwd Matl: <b>CONCRETE</b>			Type: <b>GRAVITY</b> Fnd: <b>ROCK</b>		
(8) Truck Traf: <b>0</b> (14) NHS: <b>NO - X</b> (15) Corridor: <b>N</b>			Pier-Pred Matl: <b>STEEL AND CONCRETE</b>			Type: <b>GRAVITY</b> Fnd: <b>SPREAD FOOTING</b>		
(16) Functional Class: <b>MAJOR COLLECTOR-RURAL</b>			Pier-Other Matl: <b>NONE</b>			Type: <b>NONE</b> Fnd: <b>NONE/NOT APPLICABLE (SUCH AS CULVERTS)</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>		
<b>Intersected Route Data</b>			No of Piers Predominate: <b>01</b>			Other: <b>NN</b>		
(22) Route On/Under: Hwy Sys:			(86) Stream Velocity: <b>UUU</b>			(74) Scour: <b>STABLE: EVAL SCOUR ABOVE TOP OF FOOTING</b>		
Route No.: Dir: Des: Pref:			(189) Dive: <b>N Freq: 0</b>			Probe: <b>Y Freq: 12</b> (75) Chan Prot: <b>OTHER-GRASS, BUSHES &amp; TREES</b>		
(23) Feature Intersected:			(189) Date of last Dive Insp:			(152) Drainage Area: <b>UUU</b> Sq Mi		
(24) County: Mileage: Special Desig:			<b>Clearance Under the Bridge</b>					
(25) Avg. Daily Traffic(ADT): <b>0</b> (26) ADT Year:			(156) Min. Horiz Under Clear:			NC: <b>0.0</b> Ft Card: <b>0.0</b> Ft		
(27) Truck Traf: <b>0</b> (28) NHS: - (29) Corridor:			(157) Prac Max Vrt Under Clear:			<b>0.0</b> Ft		
(30) Functional Class:			(77) Min Vert Under Clear:			NC: <b>0.0</b> Ft Card: <b>0.0</b> Ft		
(36) Strahnt: <b>Not Applicable</b>			(78) Min Lat Under Clear:			NC: <b>0.0 / 0.0</b> Ft Card: <b>0.0 / 0.0</b> Ft		
<b>Clearance On the Bridge</b>			<b>Load Rating Information (88-89) Appraisal</b>					
(154) Min Hriz on Bridge: NC: <b>0.0</b> Ft Card: <b>15.9</b> Ft			(48) Design Load: <b>OTHER (INCL RR BRIDGE W/TRACK REMOVED)</b>			(Including calculated Items)		
(155) Prac Max Vert On Brg: <b>13.4</b> Ft			(83) Operating: <b>24</b> Ton					
(67) Min Vrt Clr On Brg: NC: <b>0.0</b> Ft Card: <b>13.4</b> Ft			Inventory: <b>18</b> Ton					
(80) Min Latl Clr: NC: <b>0.0 / 0.0</b> Ft Card: <b>0.0 / 0.0</b> Ft			Ohio Percent of Legal Load <b>80</b>			(88) Waterway Adequacy <b>7</b>		
(81) Vrt Clr Lft: <b>0.0</b> Ft			Year of Rating: <b>2011</b>			(89) Approach Alignment <b>4</b>		
<b>Structure Information</b>			(84) Analysis: <b>LOAD FACTOR (LF)</b>			Calc Gen Appraisal: <b>4</b>		
(38) Bypass Length: <b>03</b> Miles			(85) Rate Soft: <b>COMBINATION</b> Analyzed by:			Calc Deck Geometry: <b>2</b>		
(39) Latitude: <b>41 Deg 18.5 Min</b> Longitude: <b>83 Deg 9.5 Min</b>			Analysis on Bars: <b>NOT ON BARS [DEFAULT]</b>			Calc Underclearance: <b>N</b>		
(40) Toll: <b>ON FREE ROAD</b>			<b>Approach Information</b>					
(41) Date Built: <b>07/01/1915</b>			(109) Approach Guardrail: <b>OTHER</b>					
(42) Major Rehabilitation:			(110) Approach Pavement: <b>BITUMINOUS</b>			(111) Grade: <b>FAIR</b>		
(43) No. Lanes On: <b>2</b> No. Lanes Under: <b>0</b>			<b>Culvert Information</b>					
(44) Horiz Curve: <b>Deg. Min.</b>			(131) Culvert Type: <b>NONE/NOT APPLICBLE</b>			(127) Length: <b>0.0</b> Ft		
(45) Skew: <b>0</b> Deg			(129) Depth of Fill: <b>0.0</b> Ft			(130) Headwalls: <b>NONE</b>		
(49) App. Rdw Width: <b>20</b> Ft			<b>General Information</b>					
(50) Brg. Rdw Width: <b>15.9</b> Ft			(121) Main Member <b>N/A (CULVERTS, TRUSSES, ETC.)</b>			(122) Moment Plate: <b>NONE</b>		
(51) Deck Width: <b>16.0</b> Ft			(169) Expansion Joint: <b>OPEN (ARMORED)</b>					
(52) Median Type: <b>NONE / NON BARRIE / NO JOINT</b>			(124) Bearing Devices: <b>OTHER/NONE</b>					
(53) Bridge Median: <b>NO MEDIAN</b>			(126) Navigation: <b>Control- N</b>			Vert Clr: <b>0.0</b> Ft		
(54) Sidewalks: (left) <b>0</b> Ft (right) <b>0</b> Ft			(193) Spec Insp: <b>N</b>			Freq: <b>0</b>		
(55) Type Curb or Sidewalks:			(188) Fracture Critical Insp: <b>Y</b>			Freq: <b>24</b>		
(Left) Matl: <b>NONE</b> Type: <b>NONE</b>			(138) Long Member: <b>TWO TRUSSES (RIVETED)</b>			Date: <b>2012-12-17</b>		
(Right) Matl: <b>NONE</b> Type: <b>NONE</b>			(141) Structural Steel Memb: <b>UNKNOWN</b>			(135) Hinges: <b>NOT APPLICABLE</b>		
(56) Flared: <b>N</b> (57) Composite:			Pay Wt: <b>0</b> pounds			Railing: <b>UNKNOWN</b>		
(58) Railing: <b>STL GUARDRL ON STL, CONCR, OR TMBR POSTS</b>			Bridge Dedicated Name:			Paint: <b>OTHER</b>		
(59) Deck Drainage: <b>OTHER-NATURAL(OFF THE BRIDGE ENDS)</b>								
(60) Deck Type: <b>STEEL GRID - OPEN</b>								
(61) Deck Protection: External: <b>NONE</b>								
Internal: <b>NONE</b>								
(62) Wearing Surface: <b>OTHER</b>								
Thickness: <b>0.0</b> in (119) Date of Wearing Surface:								
Slope Protection: <b>NONE-NATURAL PROTECTION(GRASS,BUSHES)</b>								

Unit of Measure: **English**  
Structure File Number **7230168**  
Sufficiency Rating: **26.4 SD**

Bridge Inventory Information

Inventory Bridge Number:**SAN T0209 0005**  
**ON SANDUSKY RIVER**

Report Date 01/08/2014 BM-191 Page: 2 of 2

BR. Type **STEEL/TRUSS/THRU**  
Date of Last Inventory Update: **03/11/2013**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NOT HISTORIC</b>		(69) NBIS: <b>Y</b>		(142) Fabricator:			
(---) Hist Builder: <b>ATLAS ENGINEERING INC.</b>		Hist Build Year: <b>1915</b>		(143) Contractor:			
(69) Hist Type: <b>PRATT (RIVETED)</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>020</b>		2. / <b>020</b>	
(90) Bridge Cost (\$1000s): <b>0</b>				4.		5.	
(90) Roadway Cost (\$1000s): <b>0</b>				7.		8.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		10.		9.	
(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>5</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			(46) Electric: <b>U</b>	(161) Lighting: <b>N</b>		
(I-32) Superstructure: <b>4</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Gas: <b>U</b>	Fencing: <b>N</b>		
(I-42) Substructure: <b>6</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Sanitary Sewer: <b>U</b>	Glare-Screen: <b>N</b>		
(I-50) Culvert: <b>6</b>	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>			Telephone: <b>U</b>	Splash-Guard: <b>N</b>		
(I-54) Channel: <b>7</b>	In Depth: <b>1 MEETS CURRENT STANDARDS</b>			TV Cable: <b>U</b>	Catwalks: <b>N</b>		
(I-60) Approaches: <b>6</b>	Fracture Critical: <b>1 MEETS CURRENT STANDARDS</b>			Water: <b>U</b>	Other-Feat: <b>U</b>		
(I-66) General Appraisal: <b>4</b>	Scour Critical: <b>N NONE N/A</b>			Other: <b>U</b>	(184) Signs-on: <b>N</b>		
(I-66) Operational Status: <b>P</b>	Critical Findings: <b>N NONE N/A</b>				Signs-Under: <b>N</b>		
Inspection Date: <b>11/28/2012</b>	Insp. Update Date: <b>01/17/2013</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>SAN-T0209-0005 -</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%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

7

2

3

0

1

6

8

1  
Structure File Number7

Bridge Number

SAN

T0209

0005

CO

ROUTE

UNIT

BALLVILLE TWP

Date Built

07/01/1915

District

02

Bridge Type

STEEL/TRUSS/THRU

Type Service

1

15 SANDUSKY RIVER

SAN

DECK		Out/Out 16.0		THCK = 0.0		
1. Floor	5-STEEL GRID - OPEN	8	2	2. Wearing Surface	0-OTHER	41
3. Curbs, Sidewalks, Walkways		N-NONE		W.S. Date =		
		N-NONE	9	4. Median		42
5. Railing	7-STL GUARDRL ON STL, CO	10	3	6. Drainage	0-OTHER-NATURAL(OFF THE	43
7. Expansion Joints		5-OPEN (ARMORED)	11	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=166				
9. Alignment		12	2	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
11. Diaphragms or Crossframes		TOT.LGTH=332		12. Joists/Stringers		46
			3	14. Floor Beam Connections		47
13. Floor Beams		14	1	16. Diagonals		48
15. Verticals			2	18. Top Chord		49
17. End Posts			3	20. Lower Lateral Bracing		50
19. Lower Chord				22. Sway Bracing		51
21. Top Lateral Bracing			1	24. Bearing Devices		52
23. Portals		19		26. Arch Columns or Hangers		53
25. Arch				28. Protective Coating System		54
27. Spandrel Walls				30. Fatigue Prone Connections		55
29. Pins/Hangers/Hinges			S	32. Summary		56
31. Live Load Response				PIERS=1		SPANS = 2
33. Abutments		2-CONCRETE	2	34. Abutment Seats		57
		2-CONCRETE	24	36. Pier Seats		58
35. Piers		TYPE = 7-STEEL AND CONCRETE	1	38. Wingwalls		59
			2	40. Scour		8-STABLE: EVAL SCOUR ABO
37. Backwalls				42. Summary		DIVE DT=N/A
				44. Alignment		63
43. General				46. Seams		64
45. Shape				48. Scour		65
47. Headwalls or Endwalls				50. Summary		66
49.				0-OTHER-GRASS, BUSHES & TREES		
51. Alignment			1	52. Protection		67
53. Waterway Adequacy			1	54. Summary		68
APPROACHES				56. Approach Slabs		69
55. Pavement		2-BITUMINOUS	2	58. Relief Joints		70
57. Guardrail		0-OTHER	1	60. Summary		PCT.LEGAL=80
59. Embankment		BRDG.WIDTH=15.9	1	62. Warning Signs		ROUTINE.RESP: 3-COUNTY
61. Navigation Lights		MVC ON=13.4		64. Utilities		MAINT.RESP: 3-COUNTY
63. Sign Supports		UND=0000		66. General Appraisal & Operational Status		
65. Vertical Clearance			1			

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

R

J

V

78 INITIALS

SIGNED

7

0

3

4

0

81 PE

C

A

B

83 INITIALS

DOT 2852

DECK AREA 5,317

Date

1

1

2

8

1

2

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1

N

N

Date

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2

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
**BRIDGE INSPECTION REPORT**

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7	2	3	0	1	6	8
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1

Structure File Number

7

Bridge Number

SAN

CO

T0209

ROUTE

0005

UNIT

Date Built 07/01/1915

District 02

Bridge Type

STEEL/TRUSS/THRU

Type Service

1

1

5

SANDUSKY RIVER

00

NO REMARKS FOUND FOR THIS INSPECTION.