

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]	Fremont [28826]	NO DATA	41-20-48.00 = 41.346667	083-06-42.00 = -83.111667
7242298	Highway agency district 2	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 20	NO DATA	Toll On free road [3]	Features intersected	SANDUSKY RIVER	
Design - main Concrete [1]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1926	Year reconstructed 1981	
5 Arch - Deck [11]	0 Other [00]	Skew angle 17	Structure Flared		
		Historical significance	Bridge is eligible for the NRHP. [2]		
Total length 136.6 m = 448.2 ft	Length of maximum span 26.8 m = 87.9 ft	Deck width, out-to-out 18.4 m = 60.4 ft	Bridge roadway width, curb-to-curb	14 m = 45.9 ft	
Inventory Route, Total Horizontal Clearance 14 m = 45.9 ft	Curb or sidewalk width - left 1.9 m = 6.2 ft	Curb or sidewalk width - right	1.9 m = 6.2 ft		
Deck structure type	Not applicable [N]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.6 km = 0.4 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	2.3 metric ton = 2.5 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	3.8 metric ton = 4.2 tons
Bridge posting	Equal to or above legal loads [5]	Design Load		

Functional Details

Average Daily Traffic	<input type="text" value="22000"/>	Average daily truck traffi	<input type="text" value="0"/>	%	Year	<input type="text" value="1981"/>	Future average daily traffic	<input type="text" value="30536"/>	Year	<input type="text" value="2032"/>
Road classification	<input type="text" value="Other Principal Arterial (Urban) [14]"/>		Lanes on structure	<input type="text" value="4"/>		Approach roadway width	<input type="text" value="14 m = 45.9 ft"/>			
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text"/>			
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>		Navigation horizontal clearance	<input type="text" value="0 = N/A"/>						
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>					Minimum vertical clearance over bridge roadway	<input type="text" value="99.99 m = 328.1 ft"/>			
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>		Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>						
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

Repair and Replacement Plans

Type of work to be performed	<input type="text"/>									
<input type="text"/>	Work done by	<input type="text"/>								
	Bridge improvement cost	<input type="text"/>			Roadway improvement cost	<input type="text"/>				
	Length of structure improvement	<input type="text"/>			Total project cost	<input type="text"/>				
	Year of improvement cost estimate	<input type="text"/>								
	Border bridge - state	<input type="text"/>				Border bridge - percent responsibility of other state	<input type="text"/>			
	Border bridge - structure number	<input type="text"/>								

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	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="Equal to present minimum criteria [6]"/>
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="Good [7]"/>		
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 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="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="7"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="November 2013 [1113]"/>	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="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Structure File Number: 7242298

Inventory Bridge Number: SAN 00020 05150 N

BR. Type: CONCRETE/ARCH/FILLED

Sufficiency Rating: 048.5 fo

ROUTE CARRIED "ON" THE STRUCTURE SANDUSKY RIVER

Date of Last Inventory Update:

District: 02	County: SANDUSKY	(101) Location: NO DATA	(102) Facility Carried: NO DATA
(2) FIPS Code: SAN-M-28826-FREMONT		(103) Route On Bridge: COUNTY	(104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: 2-WAY TRAFFIC	(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: MUNICIPAL STREET (I.E. VILL	(63) Main Spans Number: 5	Type: CONCRETE/ARCH/FILLED
Route No: 00020	Dir: NOT APPLICABLE	Des: BUSINESS	Pref: N
(4) Feature Intersected: SANDUSKY RIVER		Approach Spans Number: 0	Type: NONE/NONE/NONE
(5) County: SA	Mileage: 05150	Special Desig: N	
(6) Avg. Daily Traffic(ADT): 22,000	(7) ADT Year: 1981	Total Spans: 5	(65) Max Span: 88 Ft
(8) Truck Traf: 0	(14) NHS: NHS BRIDGE - 1	(15) Corridor: N	(66) Overall Leng: 448 Ft
(16) Functional Class: URBAN - OTHER PRINCIPAL ARTERIAL	(19) Strahnt: NOT STRAHNET	(70) Substructure	(71) Foundation and Scour Information
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:	Abut-Rear	Matl: CONCRETE
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:		Abut-Fwd	Matl: CONCRETE
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):	(26) ADT Year:	Pier-Pred	Matl: CONCRETE
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	
(30) Functional Class:	(36) Strahnt:	Pier-Other	Matl: NONE
		Pier-Other	Matl: NONE
Clearance On the Bridge			
(154) Min. Hriz on Bridge:	NC: 0.0	Card: 46.0 Ft	
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0	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		
Structure Information			
(38) Bypass Length: 04 Miles			
(39) Latitude: 41 Deg 20 Min 48.00 Sec	Longitude: 83 Deg 06 Min 42.00 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1926	(42) Major Rehabilitation: 1/1/1981		
(43) No. Lanes On: 4	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 17 Deg		
(49) App. Rdw Width: 46 Ft	(50) Brg. Rdw Width: 46.0 Ft		
(51) Deck Width: 60.3 Ft	Deck Area: 27018 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 6.2 Ft	(right) 6.2 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: OTHER		
(Right) Matl: CONCRETE	Type: OTHER		
(56) Flared: 0	(57) Composite: U - NOT APPLICABLE		
(58) Railing: REINFORCED CONCRETE SAFETY CURB AND PARA			
(59) Deck Drainage: OTHER (NATURAL-OFF THE BRIDGE ENDS)			
(60) Deck Type: OTHER			
(61) Deck Protection: External: NOT APPLICABLE (ONLY FOR BRIDGES FOR NO	Internal: NOT APPLICABLE (APPLIES ONLY TO BRIDGES		
(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN			
Thickness: 8.0 in	(119) Date of Wearing Surface:		
Slope Protection: NONE			
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: OTHER (INCLUDES RAILROAD BRIDGES W/TRACK		(Including calculated Items)	
Opr Rat Fact: 0.116 LD:			
Inv Rat Fact: 0.070 LD:			
(83) Ohio Percent of Legal Load: 135		(88) Waterway Adequacy: 8	
Year of Rating: 2012		(89) Approach Alignment: 6	
(84) Analysis: LOAD FACTOR (LF) RATING REPORTED BY RF U		Calc Gen Appraisal: 5	
(85) Rate Soft: IN-HOUSE PROGRAM/SPREADSHEET		Calc Deck Geometry: 2	
Analysis on Bars: NOT ON BARS [DEFAULT]		Calc Underclearance: N	
PE#: 70734 ANGEL PELFREY			
Approach Information			
(109) Approach Guardrail: NONE			
(110) Approach Pavement: BITUMINOUS		(111) Grade: FAIR	
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: NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE		(122) Moment Plate: NO MOMENT PLATES	
(169) Expansion Joint: OPEN (UNARMORED)			
(124) Bearing Devices: NONE			
(126) Navigation: Control-0	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: ONE CONCRETE ARCH		(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO	
(141) Structural Steel Memb: NONE		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: N	
Pay Wt: 0 pounds	Prime Loc: NONE (I.E.	Paint: NONE OR NOT APPLICABLE	
Bridge Dedicated Name:			

General Information (Continued)				Original Plans Information			
(---) Hist Significance: ELIGIBLE FOR NATIONAL REGISTER (---) Hist Builder: OHIO STATE HIGHWAY DEPARTMENT (69) Hist Type: CLOSED SPANDREL FILLED (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1926		(142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI (153) Repair Projects: 1) / MMM			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number: PID Status: PID Date:					
(90) Length: Ft							
(90) Bridge Cost (\$1000s):							
(90) Roadway Cost (\$1000s):							
(90) Total Project Cost (\$1000s):		(90) Year:					
(91) Future ADT (On Bridge): 30536		(92) Year of Future ADT: 2032					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	7	Railings:	MEETS ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	5	Transitions:	NA/SAFETY FEATURE NOT REQUIRED	Gas:	U	Fencing:	N
(I-42) Substructure:	6	Guardrail:	NA/SAFETY FEATURE NOT REQUIRED	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	NA/SAFETY FEATURE NOT REQUIRED	Telephone:	U	Splash-Guard:	N
(I-54) Channel:	7	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	5	Scour Critical:		Other:	U	(184) Signs-On:	N
(I-66) Operational Status:	A	Critical Findings:				Signs-Under:	N
Inspection Date:	3/2/2015	Insp. Update Date:	3/2/2015			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge: -							
SFNs That were replaced by this bridge: -							
This bridge was retired and copied to:				INV Field Bridge Marker: SAN - 00020 - 0515 - N			
The bridge was copied from:				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: 7242298

SAN
CO

00020
Route

05150
SLM

SAN-M-28826-FREMONT
FIPS

DATE BUILT 07/01/1926 - 1981

District **02** **CONCRETE/ARCHFILLED**

Type of Service **1 15 SANDUSKY RIVER**

N
SD **SAN**

DECK

1. Floor	Out/Out 60.3 0-OTHER	1	2. Wearing Surface	2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	THCK=8.0	1
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE	2	4. Median		W.S. Date = N-NO MEDIAN	
5. Railing	3-REINFORCED CONCRETE SAFETY CURB AND PARA	1	6. Drainage	0-OTHER (NATURAL-OFF THE BRIDGE ENDS)		1
7. Expansion Joints	6-OPEN (UNARMORED)	2	8. SUMMARY	Deck Area: 27,018		7

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 88	1	10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE		
11. Diaphragms or Cross Frames	TOT.LGTH = 448		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		N-NONE N-NONE	
25. Arch		2	26. Arch Columns or Hangers			
27. Spandrel Walls		2	28. Protective Coating System (PCS)	TYPE: NNONE OR NOT APPLICABLE DATE =		
29. Pins/Hangers/Hinges	ADT: 22,000 TRUCK: 0 YEAR: 1981		30. Fatigue Prone Detail (E & E')			
31. Live Load Response (E or S)		S	32. SUMMARY			5

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	2	34. Abutment Seats	PIERS=	# OF SPANS=5	
35. Piers	TYPE = 2-CONCRETE	2	36. Pier Seats			
37. Backwalls			38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING		1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	5-SCOUR WITHIN LIMITS OF FOOTING OR PILES.	1	1
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	1-CONCRETE (CAST-IN-PLACE)		1
53. Hydraulic Opening		1	54. SUMMARY			7

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs			
57. Guardrail	N-NONE		58. Relief Joint			
59. Embankment	BRDG.WIDTH=46.0	1	60. SUMMARY	PCT.LEGAL= 135		6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY		
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities			
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status			5 A

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 3/2/2015

PE Number

RV Initial
1 N N N

Print First & Last Name

70.340
PE Number

CB
Initial

Reviewed Date: 3/5/2015

69. Survey (1, 0, N)

