

HistoricBridges.org - National Bridge Inventory Data Sheet

2013 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]	Pickaway County [129]	Salt Creek [70184]	5.14 MI E. OF SR159	39-29-45 = 39.495833	082-45-53 = - 82.764722
6501567	Highway agency district 6	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 56	ST.RT.56	Toll On free road [3]	Features intersected SALT CREEK		
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	5083 km = 3151.5 mi
1	Truss - Thru [10]	2	Slab [01]	Year built	1935
				Year reconstructed	1985
				Skew angle	29
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	49.1 m = 161.1 ft	Length of maximum span	34.1 m = 111.9 ft	Deck width, out-to-out	7.8 m = 25.6 ft
Inventory Route, Total Horizontal Clearance	7 m = 23.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface	Other [9]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	24.3 metric ton = 26.7 tons
0.2 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	32.4 metric ton = 35.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	<input type="text" value="2940"/>	Average daily truck traffi	<input type="text" value="3"/>	%	Year	<input type="text" value="2011"/>	Future average daily traffic	<input type="text" value="4775"/>	Year	<input type="text" value="2033"/>
Road classification	<input type="text" value="Major Collector (Rural) [07]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="7.3 m = 24.0 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

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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
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 is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	57
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			
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	May 2012 [0512]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2011 [0511]
Other special inspection	Unknown [Y06]	Other special inspection date	January 2012 [0112]

Unit of Measure: English

Structure File Number: 6501567

Sufficiency Rating: 057.0 fo

Bridge Inventory Information

Inventory Bridge Number: PIC 00056 31570 N

ROUTE CARRIED "ON" THE STRUCTURE SALT CREEK

Report Date: 02-10-2015 BM-191 Page: 1 of 2

BR. Type: STEEL/TRUSS/PONY (TRUSS)

Date of Last Inventory Update:

District: 06

County: PICKAWAY

(101) Location: 5.14 MI E. OF SR159

(102) Facility Carried: ST.RT.56

(2) FIPS Code: PIC-T-70184-SALT CREEK TWP

(103) Route On Bridge: STATE (ODOT) (TOLL FR

(104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE

(9) Direction of Traffic: 2-WAY TRAFFIC

(10) Temporary: N

(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: STATE HIGHWAY

Route No: 00056 Dir: NOT APPLICABLE Des: MAINLINE Pref: N

(4) Feature Intersected: SALT CREEK

(5) County: PIC Mileage: 31570 Special Desig: N

(6)Avg. Daily Traffic(ADT): 2,940 (7) ADT Year: 2011

(8) Truck Traf: 80 (14) NHS: NON-NHS BRG E (15) Corridor: N

(16) Functional Class: RURAL - MAJOR COLLECTOR (19) Strahnt: NON-STRAHNET BRIDGES

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: 22.8 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: 1.4/1.4 Ft

(81) Vrt Clr Lft: 0.0 Ft

Structure Information

(38) Bypass Length: 01 Miles

(39) Latitude: 39 Deg 29 Min 45.87 Sec Longitude: 82 Deg 45 Min 53.05 Sec

(40) Toll: ON FREE ROAD, THE STRUCTU

(41) Date Built: 7/1/1935 (42) Major Rehabilitation: 1/1/1985

(43) No. Lanes On: 2 No. Lanes Under: 0

(44) Horiz Curve: (45) Skew: 29 Deg

(49) App. Rdw Width: 24 Ft (50) Brq. Rdw Width: 24.0 Ft

(51) Deck Width: 25.5 Ft Deck Area: 4101 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: CONCRETE Type: SAFETY CURB (2' OR LESS WIDTH)

(Right) Matl: CONCRETE Type: SAFETY CURB (2' OR LESS WIDTH)

(56) Flared: N (57) Composite: N - NON_COMPOSITE

(58) Railing: REINFORCED CONCRETE PARAPET

(59) Deck Drainage: OVER THE SIDE (WITHOUT DRIP STRIP)

(60) Deck Type: REINFORCED CONCRETE

(61) Deck Protection: External: OTHER

Internal: NONE OR NOT APPLICABLE

(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN

Thickness: 1.0 in (119) Date of Wearing Surface: 1/1/1985

Slope Protection: NONE

(63) Main Spans Number: 1 Type: STEEL/TRUSS/PONY (TRUSS)

Approach Spans Number: 2 Type: CONCRETE/SLAB/SIMPLE

Total Spans: 3 (65) Max Span: 112 Ft (66) Overall Leng: 161 Ft

(70) Substructure (71) Foundation and Scour Information

Abut-Rear Matl: CONCRETE Type: CELLULAR OR "U" Fnd: SPREAD FOOTING

Abut-Fwd Matl: CONCRETE Type: CELLULAR OR "U" Fnd: SPREAD FOOTING

Pier-Pred Matl: NONE Type: NONE Fnd: NONE (SUCH AS MOST CULVERTS)

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: NONE

(189) Date of last Dive Insp: (152) Drainage Area: UUU 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: H15

Opr Rat Fact: 1.000 LD: HS20 LOADING

Inv Rat Fact: 0.750 LD: HS20 LOADING

(83) Ohio Percent of Legal Load: 130

Year of Rating: 2009

(84) Analysis: LOAD FACTOR RATING (LFR)

(85) Rate Soft: BARS

Analysis on Bars: NOT ON BARS [DEFAULT]

PE#: 57465 OMAR ABU-HAJAR

(88) Waterway Adequacy: 8

(89) Approach Alignment: 7

Calc Gen Appraisal: 5

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: NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE (122) Moment Plate: NO MOMENT PLATES

(169) Expansion Joint: ELASTOMERIC STRIP SEAL

(124) Bearing Devices: ROCKERS & BOLSTERS

(126) Navigation: Control-N Vert Clr: 0.0 Ft Horiz Clear: 0.0 Ft

(193) Spec Insp: Y Freq: 6 Date: 5/24/2013

(188) Fracture Critical Insp: Y Freq: 24 Date: 5/24/2013

(138) Long Member: TWO TRUSSES (RIVETED) (135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO

(141) Structural Steel Memb: UNKNOWN (139) Framing: NONE OR NOT APPLICABLE

Railing: U

Pay Wt: 0 pounds Prime Loc: FIELD Paint: PAINT SYSTEM OZEU

Bridge Dedicated Name:

General Information (Continued)				Original Plans Information			
(---) Hist Significance: ELIGIBLE FOR NATIONAL REGISTER		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: OHIO STATE HIGHWAY DEPARTMENT		Hist Build Year: 1935		(143) Contractor:			
(69) Hist Type: PARKER (RIVETED)				(144) Ohio Original Construction Project No: 002735			
(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: Y Fabr: Y			
(90) Type Work: -		PID Number: 16807		Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI			
(90) Length: Ft		PID Status: PROGRAM		(153) Repair Projects:			
(90) Bridge Cost (\$1000s):		PID Date: 2/10/1998		1) 840864 / 004		2) / MMM	
(90) Roadway Cost (\$1000s):				4) / 020		3) / 020	
(90) Total Project Cost (\$1000s):		(90) Year:				5) / 025	
(91) Future ADT (On Bridge): 4775		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	6	Railings:	MEETS ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	5	Transitions:	DOES NOT MEET ACCEPTABLE STANDARDS	Gas:	U	Fencing:	N
(I-42) Substructure:	5	Guardrail:	MEETS ACCEPTABLE STANDARDS	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	MEETS ACCEPTABLE STANDARDS	Telephone:	U	Splash-Guard:	N
(I-54) Channel:	6	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:	6/5/2014	Insp. Update Date:	6/5/2014			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: PIC - 00056 - 3157 - N INT Field Bridge Marker: - - 0000 -			
SFNs That were replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:							
(95) Insp: OHIO STATE TRANSPORTATION DEPARTMENT	2nd: NONE	3rd: NONE					
(96) Maint: OHIO STATE TRANSPORTATION DEPARTMENT	2nd: NONE	3rd: NONE					
(97) Routine: OHIO STATE TRANSPORTATION DEPARTMENT	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
12	CONCRETE DECK - BARE	1		0	0	0	0	0
38	CONCRETE SLAB - BARE	1		0	0	0	0	0
121	PAINTED STEEL BOTTOM CHORD THROUGH TRUSS	320		0	0	0	0	0
126	PAINTED STEEL THRU TRUSS(EXCL BOT CHORD)	320		0	0	0	0	0
215	REINFORCED CONC ABUTMENT	58		0	0	0	0	0
304	OPEN EXPANSION JOINT	58		0	0	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2		0	0	0	0	0
331	CONCRETE BRIDGE RAILING	320		0	0	0	0	0

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 6501567 PIC CO 00056 Route 31570 SLM PIC-T-70184-SALT CREEK TWP DATE BUILT 07/01/1935 - 1985

District 06 STEEL/TRUSSPONY (TRUSS) Type of Service 1 15 SALT CREEK N SD PIC

DECK

1. Floor	Out/Out 25.5 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK= 1.0 2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	1
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE		4. Median	W.S. Date = 01/01/1985 N-NO MEDIAN	
5. Railing	1-REINFORCED CONCRETE PARAPET	2	6. Drainage	1-OVER THE SIDE (WITHOUT DRIP STRIP)	1
7. Expansion Joints	8-ELASTOMERIC STRIP SEAL	3	8. SUMMARY	Deck Area: 4,101	6

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 112	1	10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE	
11. Diaphragms or Cross Frames	TOT.LGTH = 161	1	12. Joist/Stringers		1
13. Floorbeams		2	14. Floorbeam Connections		
15. Verticals		2	16. Diagonals		1
17. End posts			18. Upper Chord		2
19. Lower Chord		2	20. Gusset Plates		
21. Lateral Bracing		3	22. Sway Bracing		
23. Portals			24. Bearing Devices	2-ROCKERS & BOLSTERS N-NONE	3
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: 5PAINT SYSTEM OZEU DATE = 08/25/1998	1
29. Pins/Hangers/Hinges	ADT: 2,940 TRUCK: 80 YEAR: 2011		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		E	32. SUMMARY		5

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	2	34. Abutment Seats	PIERS= # OF SPANS=3	
35. Piers	TYPE = N-NONE		36. Pier Seats		
37. Backwalls		2	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 2	2
41. Slope Protection	N-NONE		42. SUMMARY	DIVE DT= N/A	5

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	2	52. Protection	N-NONE	
53. Hydraulic Opening	2	54. SUMMARY		6

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs		2
57. Guardrail	1-STEEL BEAM	1	58. Relief Joint		
59. Embankment	BRDG.WIDTH=24.0	1	60. SUMMARY	PCT.LEGAL= 130	6

GENERAL

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

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name PE Number CS Initial Print First & Last Name 57.972 PE Number TP Initial
 Inspected Date: 6/5/2014 1 0 1 1 Reviewed Date: 6/5/2014
 69. Survey (1, 0, N)