

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]	Clermont County [025]	Unknown [00000]	NO DATA	00-00-00 = 0.000000	000-00-00 = - 0.000000
1330004	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		NO DATA	Toll On free road [3]	Features intersected	STONELICK CREEK
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1904
				Year reconstructed	1982
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	41.8 m = 137.1 ft	Length of maximum span	41.1 m = 134.8 ft	Deck width, out-to-out	4.9 m = 16.1 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	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	0 metric ton = 0.0 tons
2.1 km = 1.3 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	40.5 metric ton = 44.6 tons
	Bridge posting		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	870	Average daily truck traffi	0	%	Year	1978	Future average daily traffic	1208	Year	2032
Road classification	Minor Collector (Rural) [08]		Lanes on structure	1		Approach roadway width	5.2 m = 17.1 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				
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	4.72 m = 15.5 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

Imminent Failure [1]

Appraisal ratings -
roadway alignment

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Condition ratings - deck

Good [7]

Scour

Countermeasures have been installed to mitigate an existing problem with scour. [7]

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

Meets minimum tolerable limits to be left in place as is [4]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

13.9

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

Traffic safety features - approach guardrail ends

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: English Structure File Number 1330004 Sufficiency Rating: 13.9 SD			Bridge Inventory Information Inventory Bridge Number:CLE C0116 0096 ON STONELICK CREEK			Report Date 02/27/2013 BM-191 Page: 1 of 2 BR. Type STEEL / TRUSS / THRU Date of Last Inventory Update: 10/23/2012		
District: 08 County CLERMONT			(101) Location: NO DATA			(102) Facility Carried: NO DATA		
(2)FIPS Code: STONELICK TWP			(103) Route On Bridge: COUNTY			(104) Route Under Bridge: NON-HIGHWAY		
(9) Direction of Traffic: ONE LANE FOR 2-WAY TRAFFIC(10) Temporary: N			(11)Truck Network: N			(12)Parallel: N		
(95) Insp: COUNTY (96) Maint: COUNTY (97) Routine: COUNTY			(100) Type Serv: (On): HIGHWAY			(Under): WATERWAY		
Inventory Route Data			(63) Main Spans Number: 1			Type: STEEL / TRUSS / THRU		
(3) Route On/Under: ON Hwy Sys: COUNTY/TOWNSHIP HIGHWAY			Approach Spans Number: 0			Type: NONE / NONE / NONE		
Route No.: C0116 Dir: Des: MAINLINE Pref:			Total Spans: 1			(65) Max Span: 135 Ft (66) Overall Leng: 137 Ft		
(4) Feature Intersected: STONELICK CREEK			(70) Substructure			(71) Foundation and Scour Information		
(5) County: STO Mileage: 0096 Special Desig:			Abut-Rear Matl: CONCRETE			Type: SOLID WALL Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(6) Avg. Daily Traffic(ADT): 870 (7) ADT Year: 1978			Abut-Fwd Matl: CONCRETE			Type: SOLID WALL Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(8) Truck Traf: 0 (14) NHS: NO - X (15) Corridor: N			Pier-Pred Matl: NONE			Type: NONE Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(16) Functional Class: MINOR COLLECTOR-RURAL (19) Strahnt: Not Applicable			Pier-Other Matl: NONE			Type: NONE Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
Intersected Route Data			Pier-Other Matl: NONE			Type: NONE Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(22) Route On/Under: Hwy Sys:			No of Piers Predominate: NN			Other: NN		
Route No.: Dir: Des: Pref:			(86) Stream Velocity: UUU			(74) Scour: COUNTERMEAS INSTALLED TO CORRECT PROBLEM		
(23) Feature Intersected:			(189) Dive: N Freq: 0			Probe: Y Freq: 12 (75) Chan Prot: STONE		
(24) County: Mileage: Special Desig:			(189) Date of last Dive Insp:			(152) Drainage Area: UUU Sq Mi		
(25) Avg. Daily Traffic(ADT): 0 (26) ADT Year:			Clearance Under the Bridge					
(27) Truck Traf: 0 (28) NHS: - (29) Corridor:			(156) Min. Horiz Under Clear:			NC: 0.0 Ft Card: 0.0 Ft		
(30) Functional Class: (36) Strahnt: Not Applicable			(157) Prac Max Vrt Under Clear:			0.0 Ft		
Clearance On the Bridge			(77) Min Vert Under Clear:			NC: 0.0 Ft Card: 0.0 Ft		
(154) Min Hriz on Bridge: NC: 0.0 Ft Card: 15.5 Ft			(78) Min Lat Under Clear:			NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft		
(155) Prac Max Vert On Brg: 18.1 Ft			Load Rating Information (88-89) Appraisal					
(67) Min Vrt Clr On Brg: NC: 0.0 Ft Card: 15.5 Ft			(48) Design Load: H/20			(Including calculated Items)		
(80) Min Latl Clr: NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft			(83) Operating: 0 Ton					
(81) Vrt Clr Lft: 0.0 Ft			Inventory: 0 Ton					
Structure Information			Ohio Percent of Legal Load 0			(88) Waterway Adequacy 4		
(38) Bypass Length: 13 Miles			Year of Rating: 2000			(89) Approach Alignment 4		
(39) Latitude: 39 Deg 7.7 Min Longitude: 84 Deg 11.2 Min			(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]			Calc Gen Appraisal: 0		
(40) Toll: ON FREE ROAD			(85) Rate Soft: NO SOFTWARE USED Analyzed by:			Calc Deck Geometry: 0		
(41) Date Built: 07/01/1904 (42) Major Rehabilitation: 01/01/1982			Analysis on Bars: NOT ON BARS [DEFAULT]			Calc Underclearance: N		
(43) No. Lanes On: 1 No. Lanes Under: 0			Approach Information					
(44) Horiz Curve: 00 Deg. D00M Min. (45) Skew: 0 Deg			(109) Approach Guardrail: STEEL BEAM			(111) Grade: FAIR		
(49) App. Rdw Width: 17 Ft (50) Brg. Rdw Width: 15.5 Ft			(110) Approach Pavement: BITUMINOUS					
(51) Deck Width: 16.0 Ft Deck Area: 2196 Sq. Ft			Culvert Information					
(52) Median Type: NONE / NON BARRIE / NO JOINT			(131) Culvert Type: NONE/NOT APPLICBLE			(127) Length: 0.0 Ft		
(53) Bridge Median: NO MEDIAN			(129) Depth of Fill: 0.0 Ft			(130) Headwalls: NONE		
(54) Sidewalks: (left) 0 Ft (right) 0 Ft			General Information					
(55) Type Curb or Sidewalks:			(121) Main Member ROLLED STEEL			(122) Moment Plate: NONE		
(Left) Matl: NONE Type: NONE			(169) Expansion Joint: SLIDING METAL PLATE ANGLE					
(Right) Matl: NONE Type: NONE			(124) Bearing Devices: SLIDING (BRONZE)/NONE					
(56) Flared: N (57) Composite:			(126) Navigation: Control- N			Vert Clr: 0.0 Ft		
(58) Railing: STL GUARDRL ON STL, CONCR, OR TMBR POSTS			(193) Spec Insp: N			Freq: 0		
(59) Deck Drainage: OVER THE SIDE (W/O DRIP STRIP)			(188) Fracture Critical Insp: N			Freq: 0		
(60) Deck Type: STEEL GRID - OPEN			(138) Long Member: TWO TRUSSES (WELDED)			(135) Hinges: NOT APPLICABLE		
(61) Deck Protection: External: NONE			(141) Structural Steel Memb: UNKNOWN			(139) Framing: NONE		
Internal: NONE						Railing: UNKNOWN		
(62) Wearing Surface: OTHER			Pay Wt: 0 pounds			Prime Loc: UNKNOWN		
Thickness: 0.0 in (119) Date of Wearing Surface:			Bridge Dedicated Name:			Paint: UNKNOWN		
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)								

Unit of Measure: **English**
Structure File Number **1330004**
Sufficiency Rating: **13.9 SD**

Bridge Inventory Information
Inventory Bridge Number:**CLE C0116 0096**
ON STONELICK CREEK

Report Date 02/27/2013 BM-191 Page: 2 of 2
BR. Type **STEEL/TRUSS/THRU**
Date of Last Inventory Update: **10/23/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NONE N/A		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: NONE N/A		Hist Build Year: 1904		(143) Contractor:			
(69) Hist Type: NONE N/A				(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: N Repair: N Fabr: N			
(90) Type Work: -		PID Number:		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
		PID Status:		(153) Repair Projects			
(90) Length: Ft		PID Date:		1. / MMM		2. / 020	
(90) Bridge Cost (\$1000s): 0				4.		6.	
(90) Roadway Cost (\$1000s): 0				7.		9.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		10.			
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2032					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 7	Railings: 1 MEETS CURRENT STANDARDS			(46) Electric: U		(161) Lighting: N	
(I-32) Superstructure: 1	Transitions: 0 DOES NOT MEET CURRENT STANDARDS			Gas: U		Fencing: N	
(I-42) Substructure: 6	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS			Sanitary Sewer: U		Glare-Screen: N	
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS			Telephone: U		Splash-Guard: N	
(I-54) Channel: 5	In Depth: N NONE N/A			TV Cable: U		Catwalks: N	
(I-60) Approaches: 0	Fracture Critical: N NONE N/A			Water: U		Other-Feat: U	
(I-66) General Appraisal: 1	Scour Critical: N NONE N/A			Other: U		(184) Signs-on: N	
(I-66) Operational Status: K	Critical Findings: N NONE N/A					Signs-Under: N	
Inspection Date: 05/17/2012	Insp. Update Date: 06/19/2012					(162) Fence-Ht: 0.0 Ft	
(94) Desig Insp Freq: 12 Months						(163) Noise Barr: N	
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: CLE-C0116-0096 - INT Field Bridge Marker: ---			
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:							

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

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1
Structure File Number7

Bridge Number
CO
CLE
C0116
ROUTE
0096
UNIT

STONELICK TWP

Date Built 07/01/1904 - 1982

District 08
Bridge Type STEEL/TRUSS/THRU
Type Service 1
15 STONELICK CREEK
CLE

DECK		Out/Out 16.0		THCK = 0.0		
1. Floor		5-STEEL GRID - OPEN	8	2. Wearing Surface		0-OTHER 41
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median		W.S. Date = 42
5. Railing		7-STL GUARDRL ON STL, CO	10	6. Drainage		1-OVER THE SIDE (W/O DRI 43
7. Expansion Joints		2-SLIDING METAL PLATE AN	11	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=135				
9. Alignment			12	10. Beams/Girders/Slab		1-ROLLED STEEL 45
11. Diaphragms or Crossframes		TOT.LGTH=137	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	24. Bearing Devices		3-SLIDING (BRONZE) N-NONE 52
25. Arch			20	26. Arch Columns or Hangers		53
27. Spandrel Walls			21	28. Protective Coating System		TYPE = U-UNKNOWN DATE = 01/01/1990 54
29. Pins/Hangers/Hinges			22	30. Fatigue Prone Connections		55
31. Live Load Response			23	32. Summary		56
SUBSTRUCTURE		2-CONCRETE		PIERS=0		SPANS = 1
33. Abutments		2-CONCRETE	24	34. Abutment Seats		57
35. Piers		TYPE = N-NONE	25	36. Pier Seats		58
37. Backwalls			26	38. Wingwalls		ABUTMENT:=UNKNOWN / UNKNOWN 59
39. Fenders and Dolphins			27	40. Scour		7-COUNTERMEAS INSTALLED 60
41. Slope Protection		N-NONE	28	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				2-STONE		
51. Alignment			33	52. Protection		67
53. Waterway Adequacy			34	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				ROUTINE.RESP: 3-COUNTY		
61. Navigation Lights			38	62. Warning Signs		MAINT.RESP: 3-COUNTY 72
63. Sign Supports		MVC ON=15.5 UND=0000	39	64. Utilities		73
65. Vertical Clearance			40	66. General Appraisal & Operational Status		74

67. INSPECTED BY68. REVIEWED BY

SIGNED

76 PE

JON

78 INITIALS

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SIGNED

81 PE

TCG

83 INITIALS

DOT 2852DECK AREA 2,196

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BRIDGE INSPECTION REPORT

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1	3	3	0	0	0	4
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1 Structure File Number 7

Bridge Number CLE C0116 0096 Date Built 07/01/1904 - 1982
CO ROUTE UNIT

District 08 Bridge Type STEEL/TRUSS/THRU Type Service 1 1 5 STONELICK CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.