HistoricBridges.org - National Bridge Inventory Data Sheet

The National Bridge Inventory contains data submitted by state transportion 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									38-55-24 =	083-14-54 = -
Ohio [39]	Scioto County [145]		Rarden [6	65522]	.35 MI W (OF SR 772			38.923333	83.248333
7302193	Highway agend	cy district 9	Owner	State Highway A	gency [01]		Maintenanc	e responsibility	State Highway Ag	ency [01]
Route 73	SR 73	3		Toll On free	e road [3]	F	eatures interse	ected RARDEN C	CREEK	
Design - Concrete main Girder and	[1] d floorbeam system [03	Design - approach Othe	er [00]		Kilometerp Year built Skew ang Historical	1930	Structure I	econstructed N/A	[0000] the NRHP. [5]	
Total length 19.2 m = 63.0 ft Length of maximum span 18.3 m = 60.0 ft Deck width, out-to-out 8.8 m = 28.9 ft Bridge roadway width, curb-to-curb 7 m = 23.0 ft Inventory Route, Total Horizontal Clearance 7 m = 23.0 ft Curb or sidewalk width - left 0.2 m = 0.7 ft 0.2 m = 0.7 ft										
Deck structure type Concrete Cast-in-Place [1] Type of wearing surface Bituminous [6] Deck protection Type of membrane/wearing surface										
Weight Limits Bypass, detour leng 1.1 km = 0.7 mi	Wicthou to determ	nine inventory ratinç	_	d Factor(LF) [1] d Factor(LF) [1]			rentory rating perating	21.7 metric ton 29.8 metric ton		
	Bridge posting	Equal to or above	legal loads [[5]		De	sign Load M	13.5 / H 15 [2]		

Functional Details	
Average Daily Traffic 2530 Average daily tr	uck traffi 7 % Year 2011 Future average daily traffic 3637 Year 2033
Road classification Major Collector (Rural) [07]	Lanes on structure 2 Approach roadway width 9.1 m = 29.9 ft
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2] Bridge median
Parallel structure designation No parallel structure	e 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 brid	Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature Fe	eature 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 Open, no res	triction [A]	Appraisal ratings - structural Meets minimum tolerable limits to be left in place as is [4]						
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum of	criteria [7]				
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Basically intolerable requiring	high priority of replacement [2]				
Condition ratings - deck	Poor [4]	deck geometry						
Scour	Bridge foundations	determined to be stable for the asse	essed or calculated scour conditic	on. [8]				
Channel and channel protection Bank protection channel. [5]		eing eroded. River control devices	and/or embankment have major	damage. Trees and rush restrict the				
Appraisal ratings - water adequacy Meets minimum		erable limits to be left in place as is	[4] Status evaluation	Structurally deficient [1]				
Pier or abutment protection			Sufficiency rating	32.7				
Culverts Not applicable. Used i	f structure is not a culvert.	[N]						
Traffic safety features - railings								
Traffic safety features - transition	Inp	pected feature meets currently acce						
Traffic safety features - approach	guardrail Inp	pected feature meets currently acce						
Traffic safety features - approach	guardrail ends Inp	pected feature meets currently acce	ptable standards. [1]					
Inspection date November 2012 [1112] Designated inspection frequency 12 Months								
Underwater inspection	Not needed [N]	Underwater inspec	ction date					
'	Not needed [N]		Fracture critical inspection date					
Other special inspection	Not needed [N]	Other special inspe	ection date					

Unit of Measure: English **Bridge Inventory Information**

BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU Structure File Number: 7302193 Inventory Bridge Number: SCI 00073 01230 N

Structure File Number: 7302193		Inventory Bridge Number: SCI 00073	3 01230 N	BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU				
Sufficiency Rating: 032.7 SD		ROUTE CAR	RRIED "ON" THE STRUCTURE RAP	RDEN CREEK	Date of Last Inventory Upda			
District: 09		County: SCIOTO	(101) Location	: .35 MI W OF SR 772	(102) Facility Carried: SR 73			
(2) FIPS Code: SCI-T-65522-RARDEN T	ſWP		(103) Route Or	n 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 Net	work: N	(12) Parallel: N			
			(100) Type Sei	rv: (On): HIGHWAY	(Under): WATERWAY			
In	ventory Route Data		(63) Main Spans Number: 1	Type: CONCRETE/GIRD	ER (FLOOR SYSTEM)/THRU			
(3) Route On/Under: ROUTE CARRIED	"ON" THE STR Hwy Sys: STATE HIG	HWAY	Approach Spans Number: 0	Type: NONE/NONE/NON	NE			
Route No: 00073 Dir: NOT APP	PLICABLE Des: MAINLINE F	Pref: N	Total Spans: 1	(65) Max Span: 60 Ft	(66) Overall Leng: 63 Ft			
(4) Feature Intersected: RARDEN CREE	:K		(70) Substructure	(71) Foundation and Scour Inform	nation			
(5) County: SCI Mileage: 0123	30 Special Desig: N		Abut-Rear Matl: CONCRETE	Type: CANTILEVER	Fnd: TIMBER PILES			
(6)Avg. Daily Traffic(ADT): 2,530	(7) ADT Year: 2011		Abut-Fwd Matl: CONCRETE	Type: CANTILEVER	Fnd: TIMBER PILES			
(8) Truck Traf: 170 (14) NHS: NO	N-NHS BRG E (15) Corridor: N		Pier-Pred Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)			
(16) Functional Class: RURAL - MAJOR COLLE	ECTOR (19) Strahnt: NON-STRA	HNET BRIDGES	Pier-Other Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)			
Inte	ersected Route Data		Pier-Other Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)			
(22) Route On/Under:	Hwy Sys:		No of Piers Predominate:	Other:	Other:			
Route No: Dir:	Des:	Pref:	(86) Stream Velocity: 00000	(74) Scour: BRIDGE FOUNDATION	ONS DETERMINED TO BE STAB			
(23) Feature Intersected:			(189) Dive: N Freq: 0	Probe: N Freq: 0	(75) Chan Prot: OTHER (GRASS, BUSHES, TREES)			
(24) County: Mileage: 0000	Special Desig:		(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi				
(25)Avg. Daily Traffic(ADT):	(26) ADT Year:			Clearance Unde	er the Bridge			
(27) Truck Traf: (28) NHS: -	(29) Corridor: N		(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft			
(30) Functional Class:	(36) Strahnt:		(157) Prac Max Vrt Under Clear:	0.0 Ft				
	arance On the Bridge		(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft			
I, ,	NC: 0.0 Card: 23.0 Ft		(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 0.0/0.0 Ft			
I' ' ''	9999.9 Ft	_	Load Rat	ing Information	(88-89) Appraisal			
(,	NC: 0.0 Card: 9999.9		(48) Design Load: H15		(Including calculated Items)			
I' '	NC: 0.0/0.0 Ft Card: 0.0/0.0	Ft	Opr Rat Fact: 0.920 LD: HS20 LOAD	DING				
,	0.0 Ft		Inv Rat Fact: 0.670 LD: HS20 LOADI	ING				
Structure Inform	ation		(83) Ohio Percent of Legal Load: 120)	(88) Waterway Adequacy: 4			
(38) Bypass Length: 07 Miles			Year of Rating: 1995		(89) Approach Alignment: 7			
(39) Latitude: 38 Deg 55 Min 24.24 Sec	Longitude: 83 Deg 14 Min 54.38	Sec	(84) Analysis: LOAD FACTOR RATIN	NG (LFR)	Calc Gen Appraisal: 4			
(40) Toll: ON FREE ROAD, THE STRUC			(85) Rate Soft: BARS		Calc Deck Geometry: 2			
(41) Date Built: 7/1/1930	(42) Major Rehabilitation:		Analysis on Bars: NOT ON BARS [DI	EFAULT]	Calc Underclearance: N			
(43) No. Lanes On: 2	No. Lanes Under: 0		PE#: 0					
(44) Horiz Curve:	(45) Skew: 0 Deg			Approach In	formation			
(49) App. Rdw Width: 30 Ft	(50) Brg. Rdw Width: 23.0 Ft		(109) Approach Guardrail: STEEL BE	EAM				
(51) Deck Width: 29.0 Ft	Deck Area: 1830 Sq. Ft		(110) Approach Pavement: BITUMIN	ious	(111) Grade: GOOD			
(52) Median Type: NONE/NON BARRIEI	R/NO JOINT			Culvert Info	ormation			
(53) Bridge Median: NO MEDIAN			(131) Culvert Type: NOT A CULVER	T OR RIGID FRAME	(127) Length: 0.0 Ft			
(54) Sidewalks:	(left) 0.8 Ft (right) 0.	8 Ft	(129) Depth of Fill: 0.0 Ft		(130) Headwalls: NONE OR NOT APPLICABLE (NOT A CU			
(55) Type Curb or Sidewalks:				General Info	ormation			
(Left) Matl: CONCRETE	Type: SAFETY CURB (2' OR LE	•	(121) Main Member: CONCRETE GI	RDER	(122) Moment Plate: NO MOMENT PLATES			
(Right) Matl: CONCRETE	Type: SAFETY CURB (2' OR LE	•	(169) Expansion Joint: NONE					
(56) Flared: N	(57) Composite: N - NON_COM	POSITE	(124) Bearing Devices: SLIDING (BR	RONZE)				
(58) Railing: REINFORCED CONCRETE			(126) Navigation: Control-N	Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft			
(59) Deck Drainage: SCLIPPERS AND D	IOWNSPOLITS							

(193) Spec Insp: N

(188) Fracture Critical Insp: N

Bridge Dedicated Name:

(141) Structural Steel Memb: NONE

(138) Long Member: TWO GIRDER BRIDGE

(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS

(60) Deck Type: REINFORCED CONCRETE

(61) Deck Protection: External: NONE OR NOT APPLICABLE Internal: NONE OR NOT APPLICABLE

(62) Wearing Surface: BITUMINOUS (ASPHALTIC CONCRETE) - OVERLA

Thickness: 7.9 in (119) Date of Wearing Surface: 10/31/2008

Slope Protection: NONE

Prime Loc: NONE (I.E. Paint: NONE OR NOT APPLICABLE Pay Wt: 0 pounds

Freq: 0

Freq: 0

Date:

Date:

Railing: N

(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO

(139) Framing: STRAIGHT BEAMS/GIRDERS

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

Unit of Measure: English

(90) Year:

Bridge Inventory Information

Inventory Bridge Number: SCI 00073 01230 N

BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU **Date of Last Inventory Update:**

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

ROUTE CARRIED "ON" THE STRUCTURE RARDEN CREEK

General Informati	on (Continued)	Original Plans Information				
() Hist Significance: NOT ELIGIBLE		(69) NBIS: Y	(142) Fabricator:			
() Hist Builder: OHIO STATE HIGHWAY DEPARTMENT	() Hist Builder: OHIO STATE HIGHWAY DEPARTMENT Hist Build Year: 1930		(143) Contractor:			
(69) Hist Type: SHAPED			(144) Ohio Original Construction Project No: UNKNWN			
(161) Special Features (see below):			() Microfilm Reel: SCI005			
(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: 13234	Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI			
		PID Status: IA-OTHER	(153) Repair Projects:			
(90) Length: Ft		PID Date:	1) 890785 / 041 2) / 002			
(90) Bridge Cost (\$1000s):						
(90) Roadway Cost (\$1000s):						

(91) Future ADT (On Bridge):	3512	(92) Year	of Future ADT: 2033						
Inspection	Summary		(I-69) Survey Items			Utilities		Speci	al Features
(I-8) Deck:	4	Railings:		(46)	Electric:	U	(161)	Lighting:	N
(I-32) Superstructure:	4	Transitions:			Gas:	U		Fencing:	N
(I-42) Substructure:	5	Guardrail:			Sanitary Sewer:	U		Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:			Telephone:	U		Splash-Guard:	N
(I-54) Channel:	5	In Depth:			TV Cable:	U		Catwalks:	N
(I-60) Approaches:	7	Fracture Critical:			Water:	U		Other-Feat:	U
(I-66) General Appraisal:	4	Scour Critical			Other:	U	(184)	Signs-On:	N
(I-66) Operational Status:	Α	Critical Findings:						Signs-Under	N
Inspection Date:	12/11/2013	Insp. Update Date:	12/11/2013				(162)	Fence-Ht	0.0
(94) Desig Insp Freq	12 Months						(163)	Noise Barr	N
SFNs Replacing this retired b	ridge:	<u> </u>					I		
SFNs That were replaced by	this bridge:	-							
This bridge was retired and co	This bridge was retired and copied to:			INV	Field Bridge Marker:		SCI - (00073 - 0123 <i>-</i> N	
The bridge was copied from:				INT	Field Bridge Marker:		00	000 -	
(95) Insp: OHIO STATE TRANSPORTATION 2nd: NONE DEPARTMENT		3rd: NONE							
(96) Maint: OHIO STATE TRA DEPARTMENT	ANSPORTATION	2nd: NONE	3rd: NONE						

PONTIS CoRe elements and Conditions States

DEPARTMENT

(97) Routine: OHIO STATE TRANSPORTATION

Structure File Number: 7302193

(90) Total Project Cost (\$1000s):

Sufficiency Rating: 032.7 SD

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
					2	3	4	5
13	CONCRETE DECK - UNPROTECTED W/AC OVERLAY	1		0	0	0	0	0
215	REINFORCED CONC ABUTMENT	58		0	0	0	0	0
331	CONCRETE BRIDGE RAILING	124		0	0	0	0	0
(*) Percentages should add to 100°								

3rd: NONE

2nd: NONE

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 7302193 01230 **DATE BUILT 07/01/1930** 00073 SCI-T-65522-RARDEN TWP <u>SCI</u> Route SLM **FIPS** SCI District 09 **CONCRETE/GIRDER (FLOOR SYSTEM)** Type of Service 1 15 RARDEN CREEK **DECK** Out/Out 29.0 THCK= 7.9 1. Floor 3 2. Wearing Surface 1 1-REINFORCED CONCRETE 6-BITUMINOUS (ASPHALTIC CONCRETE) -1-CONCRETE 1-CONCRETE W.S. Date = 10/31/2008 N-NO MEDIAN 3. Curbs, Sidewalks & Walkways 3 4. Median 1-REINFORCED CONCRETE PARAPET 3-SCUPPERS AND DOWNSPOUTS 3 5. Railing 2 6. Drainage 4 8. SUMMARY 7. Expansion Joints N-NONE Deck Area: 1,830 **SUPERSTRUCTURE** 9. Alignment of Members MAX.SPAN.LENGTH = 60 10. Beams/Girders/Slab 5-CONCRETE GIRDER 2 11. Diaphragms or Cross Frames TOT.LGTH = 63 12. Joist/Stringers 13. Floorbeams 3 14. Floorbeam Connections 15. Verticals 16. Diagonals 17. End posts 18. Upper Chord 19. Lower Chord 20. Gusset Plates 22. Sway Bracing 21. Lateral Bracing 3-SLIDING (BRONZE) 23. Portals 1 24. Bearing Devices N-NONÉ 25. Arch 26. Arch Columns or Hangers TYPE: NNONE OR NOT APPLICABLE DATE = 28. Protective Coating System (PCS) 27. Spandrel Walls 29. Pins/Hangers/Hinges ADT: 2,530 TRUCK: 170 YEAR: 2011 Fatigue Prone Detail (E & E') S 32. SUMMARY 31. Live Load Response (E or S) **SUBSTRUCTURE** PIERS= # OF SPANS= 2-CONCRETE 2 33. Abutments 2 34. Abutment Seats 2-CONCRETE 35. Piers TYPE = N-NONE 36. Pier Seats ABUTMENT:=TIMBER PILES/TIMBER PILES 37. Backwalls 38. Wingwalls 2 8-BRIDGE FOUNDATIONS DETERMINED 39. Fenders and Dolphins 40. Scour (Insp Type - 1, 2, 3) 1 41. Slope Protection N-NONE 42. SUMMARY DIVE DT= N/A 5 **CULVERTS** 43. General 44. Alignment 46. Seams 45. Shape 47. Headwalls or Endwalls 48. Scour (Insp Type - 1, 2, 3) 50. SUMMARY 49. Abutments Ν **CHANNEL** 51. Alignment 2 52. Protection 0-OTHER (GRASS, BUSHES, TREES) 1 53. Hydraulic Opening 3 54. SUMMARY 5 APPROACHES 2-BITUMINOUS 1 55. Pavement 56. Approach Slabs 57. Guardrail 1-STEEL BEAM 1 58. Relief Joint 59. Embankment BRDG.WIDTH=23.0 60. SUMMARY PCT.LEGAL= 120 7 **GENERAL** ROUTINE.RESP: 1-OHIO STATE TRANSPORTATION 61. Navigation Lights 62. Warning Signs 1 DEPARTMENT 63. Sign Supports MVC ON=9999 UND=0000 64. Utilities 65. Vertical Clearance (1, 2-change, N) 66. General Appraisal & Operational Status 4 67. INSPECTED BY **68. REVIEWED BY** DB 75,187 WF PE Number Initial PE Number Initial **Print First & Last Name** Print First & Last Name Inspected Date: 12/11/2013 Reviewed Date: 1/1/0001

69. Survey (1, 0, N)