

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Ohio [39] Scioto County [145] Porter [64206] 00.42 MI. E OF SR 522 38-41-48 = 38.696667 082-50-48 = - 82.846667

7334362 Highway agency district 9 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! MILL ROAD Toll On free road [3] Features intersected MILL ROAD (PINE CREEK)

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built 1932 Year reconstructed 1994

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 39.9 m = 130.9 ft Length of maximum span 39.3 m = 128.9 ft Deck width, out-to-out 4.9 m = 16.1 ft Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft

Inventory Route, Total Horizontal Clearance 4 m = 13.1 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Wood or Timber [8]

Type of wearing surface Other [9]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 6.2 metric ton = 6.8 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 9.1 metric ton = 10.0 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic	<input type="text" value="324"/>	Average daily truck traffi	<input type="text" value="1"/>	%	Year	<input type="text" value="2004"/>	Future average daily traffic	<input type="text" value="450"/>	Year	<input type="text" value="2031"/>
Road classification	<input type="text" value="Local (Rural) [09]"/>		Lanes on structure	<input type="text" value="1"/>	Approach roadway width	<input type="text" value="4.9 m = 16.1 ft"/>				
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="One lane bridge for 2 - way traffic [3]"/>		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" value="Not applicable, no waterway. [N]"/>				
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="5.41 m = 17.8 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	<input type="text" value="Work to be done by contract [1]"/>								
<input type="text" value="Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]"/>	Bridge improvement cost	<input type="text" value="\$130,000"/>	Roadway improvement cost	<input type="text" value="\$13,000"/>						
	Length of structure improvement	<input type="text" value="39.6 m = 129.9 ft"/>		Total project cost	<input type="text" value="\$160,000"/>					
	Year of improvement cost estimate	<input type="text" value="2003"/>								
	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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of replacement [2]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

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

Condition ratings - substructure

Poor [4]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Fair [5]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

Channel and channel protection

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

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

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

15.1

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

November 2010 [1110]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

November 2010 [1110]

Other special inspection

Not needed [N]

Other special inspection date

Unit of Measure: **English**
Structure File Number **7334362**
Sufficiency Rating: **15.1 SD**

Bridge Inventory Information
Inventory Bridge Number:**SCI TR262 0048**
ON MILL ROAD (PINE CREEK)

Report Date **01/08/2014** BM-191 Page: 1 of 2
BR. Type STEEL / TRUSS / THRU
Date of Last Inventory Update: **01/24/2013**

District: **09** County **SCIOTO** (101) Location: **00.42 MI. E OF SR 522** (102) Facility Carried: **MILL ROAD**
(2)FIPS Code: **PORTER TWP** (103) Route On Bridge: **TOWNSHIP** (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
(3) Route On/Under: **ON** Hwy Sys: **COUNTY/TOWNSHIP HIGHWAY** (63) Main Spans Number: 1 Type: **STEEL / TRUSS / THRU**
Route No.: **TR262** Dir: Des: **MAINLINE** Pref: Total Spans: 1 Type: **NONE / NONE / NONE**
(4) Feature Intersected: **MILL ROAD (PINE CREEK)** (65) Max Span: **129** Ft (66) Overall Leng: **131** Ft

(5) County: **POR** Mileage: **0048** Special Desig: (70) Substructure (71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): **324** (7) ADT Year: **2004** Abut-Rear Matl: **CONCRETE** Type: **GRAVITY** Fnd: **OTHER**
(8) Truck Traf: **3** (14) NHS: **NO - X** (15) Corridor: **N** Abut-Fwd Matl: **CONCRETE** Type: **GRAVITY** Fnd: **OTHER**
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable** Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**

Intersected Route Data
(22) Route On/Under: Hwy Sys: No of Piers Predominate: **NN** Other: **NN** Other: **NN**
Route No.: Dir: Des: Pref: (86) Stream Velocity: **UUU** (74) Scour: **STABLE: EVAL SCOUR ABOVE TOP OF FOOTING**
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **NONE**
(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: (152) Drainage Area: **UUU** Sq Mi
(27) Truck Traf: **0** (28) NHS: - (29) Corridor: **0**
(30) Functional Class: (36) Strahnt: **Not Applicable**

Clearance On the Bridge
(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **13.0** Ft
(155) Prac Max Vert On Brg: **17.7** Ft
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **17.7** Ft
(80) Min Latl Clr: NC: **0.0 / 0.0** Ft Card: **6.7 / 6.7** Ft
(81) Vrt Clr Lft: **0.0** Ft

Structure Information
(38) Bypass Length: **02** Miles
(39) Latitude: **38 Deg 41.8 Min** Longitude: **82 Deg 50.8 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1932** (42) Major Rehabilitation: **07/01/1994**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **00 Deg. D00M Min.** (45) Skew: **0** Deg
(49) App. Rdw Width: **16** Ft (50) Brg. Rdw Width: **14.0** Ft
(51) Deck Width: **16.0** Ft Deck Area: **2099** Sq. Ft
(52) Median Type: **NONE / NON BARRIE / NO JOINT**
(53) Bridge Median: **NO MEDIAN**
(54) Sidewalks: (left) **0** Ft (right) **0** Ft
(55) Type Curb or Sidewalks:
(Left) Matl: **NONE** Type: **NONE**
(Right) Matl: **NONE** Type: **NONE**
(56) Flared: **N** (57) Composite: **not applicable**

(58) Railing: **OTHER**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **LAMINATED TIMBER STRIP**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **CHIP & SEAL OVERLAY**
Thickness: **2.0** in (119) Date of Wearing Surface: **01/01/1994**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

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 (88-89) Appraisal
(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **10** Ton
Inventory: **7** Ton
Ohio Percent of Legal Load **50** (88) Waterway Adequacy **4**
Year of Rating: **2011** (89) Approach Alignment **4**
(84) Analysis: **ALLOWABLE STRESS OR WORKING STRESS** Calc Gen Appraisal: **2**
(85) Rate Soft: **BARS** Analyzed by: **LAB** Calc Deck Geometry: **2**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Approach Information
(109) Approach Guardrail: **NONE**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **GOOD**

Culvert Information
(131) Culvert Type: **NONE/NOT APPLICBLE** (127) Length: **0.0** Ft
(129) Depth of Fill: **0.0** Ft (130) Headwalls: **NONE**

General Information
(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NONE**
(169) Expansion Joint: **SLIDING METAL PLATE ANGLE**
(124) Bearing Devices: **OTHER/NONE**
(126) Navigation: **Control- X** Vert Clr: **0.0** Ft Horiz Clear: **0.0** Ft
(193) Spec Insp: **N** Freq: **0** Date: **2012-11-16**
(188) Fracture Critical Insp: **Y** Freq: **24** Date: **2012-11-16**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **PINS AND HANGERS**
(141) Structural Steel Memb: **A572** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0** pounds Prime Loc: **FIELD**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **7334362**
 Sufficiency Rating: **15.1 SD**

Bridge Inventory Information
 Inventory Bridge Number: **SCI TR262 0048**
ON MILL ROAD (PINE CREEK)

Report Date **01/08/2014** **BM-191** Page: 2 of 2
BR. Type STEEL/TRUSS/THRU
 Date of Last Inventory Update: **01/24/2013**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: UNKNOWN		Hist Build Year: 1905		(143) Contractor:			
(69) Hist Type: CAMELBACK (PINNED)				(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: 31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM		PID Number:		Plan Information Available: 2FIELD MEASURED INFORMATION			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): 0		PID Date:		1. / MMM		2. / 020	
(90) Roadway Cost (\$1000s): 0				4.		6.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		7.		8.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2031		10.		9.	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 4	Railings: 1 MEETS CURRENT STANDARDS	(46) Electric: U	(161) Lighting: N	Gas: U		Fencing: N	
(I-32) Superstructure: 4	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: U	Glare-Screen: N	Telephone: U		Splash-Guard: N	
(I-42) Substructure: 4	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: U	Catwalks: N	Water: U		Other-Feat: U	
(I-50) Culvert: 4	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Other: U	(184) Signs-on: N	Other: U		Signs-Under: N	
(I-54) Channel: 7	In Depth: 1 MEETS CURRENT STANDARDS		(162) Fence-Ht: 0.0 Ft				
(I-60) Approaches: 5	Fracture Critical: 0 DOES NOT MEET CURRENT STANDARDS		(163) Noise Barr: N				
(I-66) General Appraisal: 4	Scour Critical: N NONE N/A						
(I-66) Operational Status: P	Critical Findings: N NONE N/A						
Inspection Date: 11/16/2012	Insp. Update Date: 01/11/2013						
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: SCI-TR262-0048 -			
SFNs That where replaced by this bridge: -				INT Field Bridge Marker: ---			
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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Bridge Number **SCI TR262 0048**
CO ROUTE UNIT

PORTER TWP

Date Built **07/01/1932 - 1994**

Structure File Number 7

District **09** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15 MILL ROAD (PINE CREEK)**

SCI

DECK		Out/Out 16.0	3	THCK = 2.0		2
1. Floor	2-LAMINATED TIMBER STRIP	8		2. Wearing Surface	B-CHIP & SEAL OVERLAY	41
	N-NONE				W.S. Date = 01/01/1994	
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	0-OTHER	10	2	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	2-SLIDING METAL PLATE AN	11	2	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=129	1			
9. Alignment		12		10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
11. Diaphragms or Crossframes	TOT.LGTH=131	13		12. Joists/Stringers		46
13. Floor Beams		14	2	14. Floor Beam Connections		47
15. Verticals		15	2	16. Diagonals		48
17. End Posts		16	2	18. Top Chord		49
19. Lower Chord		17	3	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19	2	24. Bearing Devices	0-OTHER N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1994	54
29. Pins/Hangers/Hinges		22	3	30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		2-CONCRETE	2	PIERS=0 SPANS = 1		3
33. Abutments	2-CONCRETE	24		34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	1	38. Wingwalls	ABUTMENT:=OTHER / OTHER	59
39. Fenders and Dolphins		27		40. Scour	8-STABLE: EVAL SCOUR ABO	60
41. Slope Protection	N-NONE	28		42. Summary		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				N-NONE		
51. Alignment		33	1	52. Protection		67
53. Waterway Adequacy		34	1	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=14.0	37	2	60. Summary		71
GENERAL				ROUTINE.RESP: 3-COUNTY		
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=17.7 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	1	66. General Appraisal & Operational Status		74
67. INSPECTED BY				68. REVIEWED BY		

SIGNED

76 PE

J L D
78 INITIALS

SIGNED

75295
81 PE

T A C
83 INITIALS

DOT 2852

DECK AREA 2,099

Date 1 1 1 6 1 2
86 91

1 0 0 0 1 0 N N
92 69 Survey 99

Date 1 2 1 8 1 2
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

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1 Structure File Number 7

Bridge Number **SCI TR262 0048**
CO ROUTE UNIT

Date Built 07/01/1932 - 1994

District **09** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15**

MILL ROAD (PINE CREEK)

00 NO REMARKS FOUND FOR THIS INSPECTION.
