

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] Preble County [135] Eaton [24234] AT S. BEECH STREET 00-00-00 = 0.000000 000-00-00 = - 0.000000

6860176 Highway agency district 8 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route #Num! ST CLAIR STREET Toll On free road [3] Features intersected TRIBUTARY

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

1 Truss - Thru [10] 0 Other [00] Year built #Num! Year reconstructed 1999

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 32.9 m = 107.9 ft Length of maximum span 30.5 m = 100.1 ft Deck width, out-to-out 5.1 m = 16.7 ft Bridge roadway width, curb-to-curb 4.8 m = 15.7 ft

Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 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 0.2 km = 0.1 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 5.5 metric ton = 6.1 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 7.1 metric ton = 7.8 tons

Bridge posting Design Load M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic  Average daily truck traffi  % Year  Future average daily traffic  Year

Road classification  Lanes on structure  Approach roadway width

Type of service on bridge  Direction of traffic  Bridge median

Parallel structure designation

Type of service under bridge  Lanes under structure  Navigation control

Navigation vertical clearanc  Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right  Minimum lateral underclearance on left

Minimum Vertical Underclearance  Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

### 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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Good [7]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
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 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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="20.2"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="November 2010 [1110]"/>	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="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="November 2010 [1110]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: **English**  
Structure File Number **6860176**  
Sufficiency Rating: **20.2 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **PRE STCLR 0020**  
**ON TRIB TO SEVEN MILE CREEK**

Report Date **02/27/2013** BM-191 Page: 1 of 2  
**BR. Type STEEL / TRUSS / THRU**  
Date of Last Inventory Update: **08/16/2012**

District: **08** County **PREBLE** (101) Location: **AT S. BEECH STREET** (102) Facility Carried: **ST CLAIR STREET**  
(2) FIPS Code: **EATON** (103) Route On Bridge: **MUNICIPAL** (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: **CITY/LOCAL** (96) Maint: **CITY/LOCAL** (97) Routine: **CITY/LOC** (100) Type Serv: (On): **HIGHWAY** (Under): **WATERWAY**

**Inventory Route Data**  
(3) Route On/Under: **ON** Hwy Sys: **MUNICIPAL STREET** (63) Main Spans Number: 1 Type: **STEEL / TRUSS / THRU**  
Route No.: **STCLR** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **100 Ft** (66) Overall Leng: **108 Ft**

(4) Feature Intersected: **TRIB TO SEVEN MILE CREEK** (70) Substructure (71) Foundation and Scour Information  
(5) County: **PRE** Mileage: **0020** Special Desig: Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **SPREAD FOOTING**  
(6) Avg. Daily Traffic(ADT): **50** (7) ADT Year: **1980** Abut-Fwd Matl: **STONE** Type: **GRAVITY** Fnd: **SPREAD FOOTING**  
(8) Truck Traf: **0** (14) NHS: **NO - X** (15) Corridor: **N** Pier-Pred Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**  
(16) Functional Class: **LOCAL ROAD-URBAN** (19) Strahnt: **Not Applicable** 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: SCOUR WITHIN LIMITS OF FOOT/PILE**  
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **OTHER-GRASS, BUSHES & TREES**  
(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:  
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:  
(30) Functional Class: (36) Strahnt: **Not Applicable**

**Clearance On the Bridge**  
(154) Min Hriz on Bridge: NC: **0.0 Ft** Card: **15.8 Ft**  
(155) Prac Max Vert On Brg: **11.0 Ft**  
(67) Min Vrt Clr On Brg: NC: **0.0 Ft** Card: **11.0 Ft**  
(80) Min Latl Clr: NC: **0.0 / 0.0 Ft** Card: **0.0 / 0.0 Ft**  
(81) Vrt Clr Lft: **0.0 Ft**

**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: **H/15** (Including calculated Items)  
(83) Operating: **8 Ton**  
Inventory: **6 Ton**  
Ohio Percent of Legal Load **30** (88) Waterway Adequacy **8**  
Year of Rating: **2011** (89) Approach Alignment **6**  
(84) Analysis: **ALLOWABLE STRESS OR WORKING STRESS** Calc Gen Appraisal: **2**  
(85) Rate Soft: **BARS** Analyzed by: Calc Deck Geometry: **2**  
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

**Approach Information**  
(109) Approach Guardrail: **STEEL BEAM**  
(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 **ROLLED STEEL** (122) Moment Plate: **NONE**  
(169) Expansion Joint: **NONE**  
(124) Bearing Devices: **SLIDING (OTHER)/NONE**  
(126) Navigation: **Control- N** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**  
(193) Spec Insp: **N** Freq: **0** Date:  
(188) Fracture Critical Insp: **Y** Freq: **24** Date: **2010-11-16**  
(138) Long Member: **TWO TRUSSES (WELDED)** (135) Hinges: **PINS AND HANGERS**  
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**  
Railing: **UNKNOWN**  
Paint: **OTHER**  
(62) Wearing Surface: **OTHER**  
Thickness: **4.0 in** (119) Date of Wearing Surface:  
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**  
Pay Wt: **0 pounds** Prime Loc: **UNKNOWN**  
Bridge Dedicated Name:

Unit of Measure: **English**  
 Structure File Number **6860176**  
 Sufficiency Rating: **20.2 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **PRE STCLR 0020**  
**ON TRIB TO SEVEN MILE CREEK**

Report Date **02/27/2013** BM-191 Page: 2 of 2  
 BR. Type **STEEL/TRUSS/THRU**  
 Date of Last Inventory Update: **08/16/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NATIONAL HISTORIC REGISTER</b>		(69) NBIS: <b>Y</b>		(142) Fabricator:			
(---) Hist Builder: <b>DAVID H. MORRISON</b>		Hist Build Year: <b>1887</b>		(143) Contractor:			
(69) Hist Type: <b>PRATT (PINNED)</b>				(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: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b>			
(90) Type Work: <b>31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM</b>		PID Number:		Plan Information Available: <b>1PLAN INFORMATION AVAILABLE</b>			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		1. / <b>020</b>	2.	3.	
(90) Roadway Cost (\$1000s): <b>0</b>				4.	5.	6.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		7.	8.	9.	
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2032</b>		10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>5</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(I-32) Superstructure: <b>3</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(46) Electric: <b>N</b>	(161) Lighting: <b>N</b>		
(I-42) Substructure: <b>6</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(I-50) Culvert: <b>7</b>	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Gas: <b>N</b>	Fencing: <b>N</b>		
(I-54) Channel: <b>7</b>	In Depth: <b>1 MEETS CURRENT STANDARDS</b>	(I-60) Approaches: <b>6</b>	Fracture Critical: <b>1 MEETS CURRENT STANDARDS</b>	Sanitary Sewer: <b>N</b>	Glare-Screen: <b>N</b>		
(I-66) General Appraisal: <b>3</b>	Scour Critical: <b>N NONE N/A</b>	(I-66) Operational Status: <b>P</b>	Scour Critical: <b>N NONE N/A</b>	Telephone: <b>N</b>	Splash-Guard: <b>N</b>		
Inspection Date: <b>11/15/2012</b>	Insp. Update Date: <b>01/24/2013</b>		Critical Findings: <b>N NONE N/A</b>	TV Cable: <b>N</b>	Catwalks: <b>N</b>	(184) Signs-on: <b>N</b>	
(94) Desig Insp Freq: <b>12 Months</b>				Water: <b>N</b>	Other-Feat: <b>N</b>	(162) Fence-Ht: <b>0.0 Ft</b>	
				Other: <b>N</b>		(163) Noise Barr: <b>N</b>	
SFNs Replacing this retired bridge: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:				INV Field Bridge Marker:		<b>PRE-MTCLR-0020 -</b>	
				INT Field Bridge Marker:		---	

**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

6 8 6 0 1 7 6  
1 Structure File Number 7

Bridge Number **PRE STCLR 0020**  
CO ROUTE UNIT

EATON

Date Built **07/01/1887 - 1999**

District **08** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15 TRIB TO SEVEN MILE CREEK**

**PRE**

<b>DECK</b>		Out/Out 16.8	2	THCK = 4.0	3
1. Floor	3-TIMBER PLANK 8			2. Wearing Surface	0-OTHER 41
	N-NONE				W.S. Date =
3. Curbs, Sidewalks, Walkways	N-NONE 9			4. Median	42
			3		
5. Railing	0-OTHER 10			6. Drainage	1-OVER THE SIDE (W/O DRI) 43
7. Expansion Joints	N-NONE 11			<b>8. Summary</b>	44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=100	1		
9. Alignment				10. Beams/Girders/Slab	1-ROLLED STEEL 45
	TOT.LGTH=108				
11. Diaphragms or Crossframes				12. Joists/Stringers	46
			1		
13. Floor Beams				14. Floor Beam Connections	47
			2		
15. Verticals				16. Diagonals	48
			2		
17. End Posts				18. Top Chord	49
			2		
19. Lower Chord				20. Lower Lateral Bracing	50
21. Top Lateral Bracing				22. Sway Bracing	51
			1		A-SLIDING (OTHER)
23. Portals				24. Bearing Devices	N-NONE 52
25. Arch				26. Arch Columns or Hangers	53
					TYPE = 0-OTHER
27. Spandrel Walls				28. Protective Coating System	DATE = 01/01/1987 54
			1		
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections	55
			S		
31. Live Load Response				<b>32. Summary</b>	56
<b>SUBSTRUCTURE</b>		1-STONE	2	PIERS=0	SPANS = 1
33. Abutments	1-STONE 24			34. Abutment Seats	57
35. Piers	TYPE = N-NONE 25			36. Pier Seats	58
			1		ABUTMENT:=SPREAD / SPREAD
37. Backwalls				38. Wingwalls	59
39. Fenders and Dolphins				40. Scour	5-STABLE: SCOUR WITHIN L 60
					1
41. Slope Protection	N-NONE 28			<b>42. Summary</b>	DIVE DT=N/A 62
<b>CULVERTS</b>					
43. General				44. Alignment	63
45. Shape				46. Seams	64
47. Headwalls or Endwalls				48. Scour	65
49.				50. Summary	66
<b>CHANNEL</b>				0-OTHER-GRASS, BUSHES & TREES	
51. Alignment			1	52. Protection	67
			1		
53. Waterway Adequacy				<b>54. Summary</b>	68
<b>APPROACHES</b>					
55. Pavement	2-BITUMINOUS 35		2	56. Approach Slabs	69
			4		
57. Guardrail	1-STEEL BEAM 36			58. Relief Joints	70
			1		
59. Embankment	BRDG.WIDTH=15.8 37			<b>60. Summary</b>	PCT.LEGAL=30 71
<b>GENERAL</b>				ROUTINE.RESP: 4-CITY/LOCAL	
61. Navigation Lights			38	62. Warning Signs	MAINT.RESP: 4-CITY/LOCAL 72
	MVC ON=11.0 UND=0000				
63. Sign Supports			39	64. Utilities	73
			1		
65. Vertical Clearance			40	<b>66. General Appraisal &amp; Operational Status</b>	74
67. INSPECTED BY		68. REVIEWED BY		COND	STAT
				3	P

SIGNED

76 PE

R S  
78 INITIALS

SIGNED

7 1 2 8 8  
81 PE

R C  
83 INITIALS

DOT 2852

DECK AREA 1,819

Date 1 1 1 5 1 2  
86 91

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

Date 0 1 0 8 1 3  
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
**BRIDGE INSPECTION REPORT**

BR-86 REV 02-95

6	8	6	0	1	7	6
---	---	---	---	---	---	---

1 Structure File Number 7

Bridge Number **PRE STCLR 0020**  
CO ROUTE UNIT

**Date Built 07/01/1887 - 1999**

District **08** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15**

**TRIB TO SEVEN MILE CREEK**

00 NO REMARKS FOUND FOR THIS INSPECTION.

---