

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]	Preble County [135]	Washington [81564]	W OF CH 11	00-00-00 = 0.000000	000-00-00 = 0.000000
6839401	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		MONEBRAKE RD	Toll On free road [3]	Features intersected	SEVEN MILE CREEK
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1910
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	21.6 m = 70.9 ft	Length of maximum span	20.1 m = 65.9 ft	Deck width, out-to-out	4.9 m = 16.1 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	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					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	25.3 metric ton = 27.8 tons
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	34.3 metric ton = 37.7 tons
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	<input type="text" value="70"/>	Average daily truck traffi	<input type="text" value="0"/>	%	Year	<input type="text" value="1969"/>	Future average daily traffic	<input type="text" value="97"/>	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="5.5 m = 18.0 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="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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Equal to present desirable criteria [8]
Condition ratings - deck	Serious [3]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	31
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
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	Every two years [Y24]	Fracture critical inspection date	August 2010 [0810]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: English			Bridge Inventory Information			Report Date 02/27/2013 BM-191 Page: 1 of 2		
Structure File Number 6839401			Inventory Bridge Number: PRE T0150 0135			BR. Type STEEL / TRUSS / PONY (TRUSS)		
Sufficiency Rating: 22.1 SD			ON SEVEN MILE CREEK			Date of Last Inventory Update: 11/24/2012		
District: 08			County PREBLE			(101) Location: W OF CH 11		
(2) FIPS Code: WASHINGTON TWP						(102) Facility Carried: MONEBRAKE RD		
(9) Direction of Traffic: ONE LANE FOR 2-WAY TRAFFIC			(10) Temporary: N			(103) Route On Bridge: TOWNSHIP		
(95) Insp: COUNTY			(96) Maint: COUNTY			(11) Truck Network: N		
(97) Routine: COUNTY						(12) Parallel: N		
						(Under): WATERWAY		
Inventory Route Data			(63) Main Spans Number: 1			Type: STEEL / TRUSS / PONY (TRUSS)		
(3) Route On/Under: ON			Hwy Sys: COUNTY/TOWNSHIP HIGHWAY			Approach Spans Number: 0		
Route No.: T0150			Dir:			Type: NONE / NONE / NONE		
			Des: MAINLINE			Total Spans: 1		
			Pref:			(65) Max Span: 66 Ft		
(4) Feature Intersected: SEVEN MILE CREEK						(66) Overall Leng: 71 Ft		
(5) County: WAS			Mileage: 0135			(70) Substructure		
			Special Desig:			Abut-Rear Matl: CONCRETE		
(6) Avg. Daily Traffic(ADT): 70			(7) ADT Year: 1969			Type: SOLID WALL		
(8) Truck Traf: 7			(14) NHS: NO - X			Abut-Fwd Matl: CONCRETE		
			(15) Corridor: N			Type: SOLID WALL		
(16) Functional Class: LOCAL ROAD-RURAL			(19) Strahnt: Not Applicable			Pier-Pred Matl: NONE		
						Type: NONE		
						Pier-Other Matl: NONE		
						Type: NONE		
						Pier-Other Matl: NONE		
						Type: NONE		
Intersected Route Data						Type: NONE		
(22) Route On/Under:			Hwy Sys:			No of Piers Predominate: NN		
Route No.:			Dir:			Other: NN		
			Des:			Other: NN		
			Pref:			(86) Stream Velocity: UUU		
(23) Feature Intersected:						(74) Scour: STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE		
(24) County:			Mileage:			(189) Dive: N Freq: 0		
			Special Desig:			Probe: Y Freq: 12		
(25) Avg. Daily Traffic(ADT): 0			(26) ADT Year:			(75) Chan Prot: OTHER-GRASS, BUSHES & TREES		
(27) Truck Traf: 0			(28) NHS: -			(189) Date of last Dive Insp:		
			(29) Corridor:			(152) Drainage Area: UUU Sq Mi		
(30) Functional Class:			(36) Strahnt: Not Applicable					
						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		
Clearance On the Bridge						Load Rating Information		
(154) Min Hriz on Bridge:			NC: 0.0 Ft			(88-89) Appraisal		
			Card: 15.6 Ft			(48) Design Load: OTHER (INCL RR BRIDGE W/TRACK REMOVED)		
(155) Prac Max Vert On Brg:			9999.9 Ft			(Including calculated Items)		
(67) Min Vrt Clr On Brg:			NC: 0.0 Ft			(83) Operating: 38 Ton		
(80) Min Latl Clr:			NC: 0.0 / 0.0 Ft			Inventory: 28 Ton		
(81) Vrt Clr Lft:			0.0 Ft			Ohio Percent of Legal Load 40		
Structure Information						Year of Rating: 2012		
(38) Bypass Length: 02 Miles						(84) Analysis: LOAD FACTOR (LF)		
(39) Latitude: 39 Deg 48.9 Min			Longitude: 84 Deg 42.0 Min			(85) Rate Soft: COMBINATION Analyzed by:		
(40) Toll: ON FREE ROAD						Analysis on Bars: NOT ON BARS [DEFAULT]		
(41) Date Built: 07/01/1910			(42) Major Rehabilitation:			(88) Waterway Adequacy 8		
(43) No. Lanes On: 1			No. Lanes Under: 0			(89) Approach Alignment 6		
(44) Horiz Curve: Deg. Min.			(45) Skew: 0 Deg			Calc Gen Appraisal: 3		
(49) App. Rdw Width: 18 Ft			(50) Brg. Rdw Width: 15.6 Ft			Calc Deck Geometry: 8		
(51) Deck Width: 16.0 Ft			Deck Area: 1141 Sq. Ft			Calc Underclearance: N		
(52) Median Type: NONE / NON BARRIE / NO JOINT						Approach Information		
(53) Bridge Median: NO MEDIAN						(109) Approach Guardrail: NONE		
(54) Sidewalks:			(left) 0 Ft			(110) Approach Pavement: BITUMINOUS		
			(right) 0 Ft			(111) Grade: GOOD		
(55) Type Curb or Sidewalks:						Culvert Information		
(Left) Matl: NONE			Type: NONE			(131) Culvert Type: NONE/NOT APPLICBLE		
(Right) Matl: NONE			Type: NONE			(127) Length: 0.0 Ft		
(56) Flared: N			(57) Composite:			(129) Depth of Fill: 0.0 Ft		
						(130) Headwalls: NONE		
(58) Railing: OTHER						General Information		
(59) Deck Drainage: OVER THE SIDE (W/O DRIP STRIP)						(121) Main Member ROLLED STEEL		
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST						(169) Expansion Joint: NONE		
(61) Deck Protection: External: NONE						(124) Bearing Devices: OTHER/NONE		
			Internal: NONE			(126) Navigation: Control- X		
(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC)						Vert Clr: 0.0 Ft		
Thickness: 1.0 in			(119) Date of Wearing Surface:			Freq: 0		
Slope Protection: STONE (NO.1 AGGREGATE)						(188) Fracture Critical Insp: Y		
						Freq: 24		
						(138) Long Member: TWO TRUSSES (RIVETED)		
						(141) Structural Steel Memb: UNKNOWN		
						(122) Moment Plate: NONE		
						Pay Wt: 0 pounds		
						Prime Loc: UNKNOWN		
						Bridge Dedicated Name:		
						Paint: OTHER		

Unit of Measure: **English**
Structure File Number **6839401**
Sufficiency Rating: **22.1 SD**

Bridge Inventory Information
Inventory Bridge Number: **PRE T0150 0135**
ON SEVEN MILE CREEK

Report Date **02/27/2013** BM-191 Page: 2 of 2
BR. Type **STEEL/TRUSS/PONY (TRUSS)**
Date of Last Inventory Update: **11/24/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NONE N/A (---) Hist Builder: YORK BRIDGE COMPANY (YORK, PA) (69) Hist Type: WARREN PONY (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:				(69) NBIS: Y (142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No.: (---) Microfilm Reel: (151) Standard Drawing: Aperture Cards: Orig: N Repair: N Fabr: N Plan Information Available: 2FIELD MEASURED INFORMATION			
Proposed Improvements		Programming Info		(153) Repair Projects			
(90) Type Work: -		PID Number:		1. / 020			
(90) Length: Ft		PID Status:		2.			
(90) Bridge Cost (\$1000s): 0		PID Date:		3.			
(90) Roadway Cost (\$1000s): 0				4.			
(90) Total Project Cost (\$1000s): 0		(90) Year:		5.			
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2031		6.			
				7.			
				8.			
				9.			
				10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 3	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: U		(161) Lighting: N			
(I-32) Superstructure: 3	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Gas: U		Fencing: N			
(I-42) Substructure: 3	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: 4	In Depth: 1 MEETS CURRENT STANDARDS	TV Cable: U		Catwalks: N			
(I-60) Approaches: 4	Fracture Critical: 1 MEETS CURRENT STANDARDS	Water: U		Other-Feat: U			
(I-66) General Appraisal: 3	Scour Critical: N NONE N/A	Other: U		(184) Signs-on: Y			
(I-66) Operational Status: P	Critical Findings: N NONE N/A			Signs-Under: N			
Inspection Date: 08/18/2012	Insp. Update Date: 09/24/2012			(162) Fence-Ht: 0.0 Ft			
(94) Desig Insp Freq: 12 Months				(163) Noise Barr: N			
SFNs Replacing this retired bridge: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:				INV Field Bridge Marker: PRE-T0150-0135 -			
The bridge was copied from:				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

3

9

4

0

1

1Structure File Number7

Bridge Number

PRE T0150 0135

WASHINGTON TWP

Date Built

07/01/1910

District

08

Bridge Type

STEEL/TRUSS/PONY (TRUSS)

Type Service

1

15 SEVEN MILE CREEK

PRE

DECK		Out/Out 16.0		THCK = 1.0		
1. Floor	1-REINF CONCRT (PRESTRSD	8	3	2. Wearing Surface	2-INTEGRAL CONCRETE (MON	41
		N-NONE		W.S. Date =		
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	0-OTHER	10	3	6. Drainage	1-OVER THE SIDE (W/O DRI	43
						1
7. Expansion Joints	N-NONE	11		8. Summary		3

SUPERSTRUCTURE		MAX.SPAN=66				
9. Alignment		12	2	10. Beams/Girders/Slab	1-ROLLED STEEL	45
		TOT.LGTH=71				3
11. Diaphragms or Crossframes		13		12. Joists/Stringers		46
			1			1
13. Floor Beams		14	3	14. Floor Beam Connections		47
						2
15. Verticals		15	1	16. Diagonals		48
						1
17. End Posts		16	3	18. Top Chord		49
19. Lower Chord		17		20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
						3
23. Portals		19		24. Bearing Devices	0-OTHER N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
						6
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1963	54
						2
29. Pins/Hangers/Hinges		22	S	30. Fatigue Prone Connections		55
						3
31. Live Load Response		23		32. Summary		56

SUBSTRUCTURE		2-CONCRETE		PIERS=0		SPANS = 1
33. Abutments	2-CONCRETE	24	3	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
			1	ABUTMENT:=SPREAD / SPREAD		3
37. Backwalls		26		38. Wingwalls		59
						1
39. Fenders and Dolphins		27		40. Scour	5-STABLE: SCOUR WITHIN L	60
						2
41. Slope Protection	2-STONE (NO.1 AGGREGATE)	28		42. Summary	DIVE DT=N/A	62
						3

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				0-OTHER-GRASS, BUSHES & TREES		
51. Alignment		33	3	52. Protection		67
						2
53. Waterway Adequacy		34	3	54. Summary		4

APPROACHES						
55. Pavement	2-BITUMINOUS	35	3	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=15.6	37	1	60. Summary	PCT.LEGAL=40	71
						4

GENERAL				ROUTINE.RESP: 3-COUNTY		
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 3-COUNTY	72
		MVC ON=9999 UND=0000				2
63. Sign Supports		39	2	64. Utilities		73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74
				COND	STAT	3P

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

78 INITIALS

SIGNED

81 PE

83 INITIALS

DOT 2852

DECK AREA 1,141

Date

0

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86

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N

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69 Survey

99

Date

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105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

6	8	3	9	4	0	1
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1 Structure File Number 7

Bridge Number
CO PRE T0150 0135
ROUTE UNIT

Date Built 07/01/1910

District 08 Bridge Type STEEL/TRUSS/PONY (TRUSS) Type Service 1 1 5 SEVEN MILE CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.