

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]	Gasper [29484]	TRUSS BR E. OF US 127	00-00-00 = 0.000000	000-00-00 = 0.000000
6831729	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		BROWER 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	1931
				Year reconstructed	N/A [0000]
				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	36.3 m = 119.1 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	Wood or Timber [8]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	18.1 metric ton = 19.9 tons
0.5 km = 0.3 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	24.3 metric ton = 26.7 tons
	Bridge posting		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="2027"/>
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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - substructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - deck geometry	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Countermeasures have been installed to mitigate an existing problem with scour. [7]"/>		
Channel and channel protection	<input type="text" value="There are no noticeable or noteworthy deficiencies which affect the condition of the channel. [9]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="39.6"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="September 2010 [0910]"/>	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="September 2010 [0910]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: English Structure File Number 6831729 Sufficiency Rating: 31.3 SD			Bridge Inventory Information Inventory Bridge Number: PRE T0333 0020 ON SEVEN MILE CREEK			Report Date 02/26/2013 BM-191 Page: 1 of 2 BR. Type STEEL / TRUSS / PONY (TRUSS) Date of Last Inventory Update: 11/01/2012		
District: 08 County PREBLE			(101) Location: TRUSS BR E. OF US 127			(102) Facility Carried: BROWER RD.		
(2)FIPS Code: GASPER 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			(63) Main Spans Number: 1			Type: STEEL / TRUSS / PONY (TRUSS)		
(3) Route On/Under: ON Hwy Sys: COUNTY/TOWNSHIP HIGHWAY			Approach Spans Number: 0			Type: NONE / NONE / NONE		
Route No.: T0333 Dir: Des: MAINLINE Pref:			Total Spans: 1			(65) Max Span: 119 Ft (66) Overall Leng: 131 Ft		
(4) Feature Intersected: SEVEN MILE CREEK			(70) Substructure			(71) Foundation and Scour Information		
(5) County: GAS Mileage: 0020 Special Desig:			Abut-Rear Matl: CONCRETE			Type: SOLID WALL Fnd: SPREAD FOOTING		
(6) Avg. Daily Traffic(ADT): 70 (7) ADT Year: 1969			Abut-Fwd Matl: CONCRETE			Type: SOLID WALL Fnd: SPREAD FOOTING		
(8) Truck Traf: 10 (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-RURAL (19) Strahnt: Not Applicable			Pier-Other Matl: NONE			Type: NONE Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
Intersected Route Data			Pier-Other Matl: NONE			Type: NONE Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
(22) Route On/Under: Hwy Sys:			No of Piers Predominate: NN			Other: NN Other: NN		
Route No.: Dir: Des: Pref:			(86) Stream Velocity: 000.0			(74) Scour: COUNTERMEAS INSTALLED TO CORRECT PROBLEM		
(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:			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: 15.7 Ft			(78) Min Lat Under Clear:			NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft		
(155) Prac Max Vert On Brg: 13.4 Ft			Load Rating Information (88-89) Appraisal					
(67) Min Vrt Clr On Brg: NC: 0.0 Ft Card: 9999.9 Ft			(48) Design Load: HS/20			(Including calculated Items)		
(80) Min Latl Clr: NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft			(83) Operating: 27 Ton					
(81) Vrt Clr Lft: 0.0 Ft			Inventory: 20 Ton					
Structure Information			Ohio Percent of Legal Load 75			(88) Waterway Adequacy 7		
(38) Bypass Length: 03 Miles			Year of Rating: 2011			(89) Approach Alignment 4		
(39) Latitude: 39 Deg 42.0 Min Longitude: 84 Deg 37.4 Min			(84) Analysis: ALLOWABLE STRESS OR WORKING STRESS			Calc Gen Appraisal: 4		
(40) Toll: ON FREE ROAD			(85) Rate Soft: BARS Analyzed by: K&K			Calc Deck Geometry: 8		
(41) Date Built: 07/01/1931 (42) Major Rehabilitation:			Analysis on Bars: NOT ON BARS [DEFAULT]			Calc Underclearance: N		
(43) No. Lanes On: 1 No. Lanes Under: 0			Approach Information					
(44) Horiz Curve: Deg. Min. (45) Skew: 0 Deg			(109) Approach Guardrail: STEEL BEAM			(111) Grade: GOOD		
(49) App. Rdw Width: 18 Ft (50) Brg. Rdw Width: 15.7 Ft			(110) Approach Pavement: BITUMINOUS					
(51) Deck Width: 16.1 Ft Deck Area: 2110 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 RIVETED BUILT-UP 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: ROCKERS/NONE					
(56) Flared: N (57) Composite:			(126) Navigation: Control- X			Vert Clr: 0.0 Ft		
(58) Railing: OTHER			(193) Spec Insp: N			Freq: 0		
(59) Deck Drainage: OVER THE SIDE (WITH DRIP STRIP)			(188) Fracture Critical Insp: Y			Freq: 24		
(60) Deck Type: LAMINATED TIMBER STRIP			(138) Long Member: TWO TRUSSES (RIVETED)			Date: 2012-09-14		
(61) Deck Protection: External: NONE			(141) Structural Steel Memb: UNKNOWN			(135) Hinges: NOT APPLICABLE		
Internal: NONE						(139) Framing: NONE		
(62) Wearing Surface: BITUM (ASPHLT CONCRT)						Railing: UNKNOWN		
Thickness: 1.0 in (119) Date of Wearing Surface: 01/01/1980			Pay Wt: 0 pounds			Prime Loc: UNKNOWN		
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)			Bridge Dedicated Name:			Paint: OTHER		

Unit of Measure: **English**
Structure File Number **6831729**
Sufficiency Rating: **31.3 SD**

Bridge Inventory Information
Inventory Bridge Number:**PRE T0333 0020**
ON SEVEN MILE CREEK

Report Date 02/26/2013 BM-191 Page: 2 of 2
BR. Type **STEEL/TRUSS/PONY (TRUSS)**
Date of Last Inventory Update: 11/01/2012

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: BROOKVILLE BRIDGE CO		Hist Build Year: 1931		(143) Contractor:			
(69) Hist Type: PRATT (RIVETED)				(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. / 020		2.	
(90) Bridge Cost (\$1000s): 0				4.		5.	
(90) Roadway Cost (\$1000s): 0				7.		8.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		10.		9.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033					
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:	4	Transitions:	0 DOES NOT MEET CURRENT STANDARDS	Gas:	U	Fencing:	N
(I-42) Substructure:	4	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:	7	In Depth:	1 MEETS CURRENT STANDARDS	TV Cable:	U	Catwalks:	N
(I-60) Approaches:	7	Fracture Critical:	1 MEETS CURRENT STANDARDS	Water:	U	Other-Feat:	U
(I-66) General Appraisal:	4	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:	09/14/2012	Insp. Update Date:	10/26/2012			(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:							
The bridge was copied from:				INV Field Bridge Marker: PRE-T0333-0020 -			
				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

1

7

2

9

1
Structure File Number7

Bridge Number
CO
PRE
T0333
ROUTE
0020
UNIT

GASPER TWP

Date Built 07/01/1931

District 08 Bridge Type STEEL/TRUSS/PONY (TRUSS) Type Service 1 15 SEVEN MILE CREEK PRE

DECK		Out/Out 16.1		THCK = 1.0		
1. Floor	2-LAMINATED TIMBER STRIP	8	1	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
3. Curbs, Sidewalks, Walkways		N-NONE		W.S. Date = 01/01/1980		
		N-NONE	9	4. Median		42
5. Railing	0-OTHER	10	2	6. Drainage		6-OVER THE SIDE (WITH DR
				43		1
7. Expansion Joints	2-SLIDING METAL PLATE AN	11	1	8. Summary		44
7						
SUPERSTRUCTURE		MAX.SPAN=119				
9. Alignment		12	1	10. Beams/Girders/Slab		2-RIVETED BUILT-UP STEEL
				45		1
11. Diaphragms or Crossframes		TOT.LGTH=131		12. Joists/Stringers		
		13		46		3
13. Floor Beams			3	14. Floor Beam Connections		
		14		47		1
15. Verticals			1	16. Diagonals		
		15		48		1
17. End Posts			1	18. Top Chord		
		16		49		1
19. Lower Chord			2	20. Lower Lateral Bracing		
		17		50		
21. Top Lateral Bracing				22. Sway Bracing		
		18		51		1
23. Portals			2	24. Bearing Devices		2-ROCKERS
		19		52		N-NONE
25. Arch				26. Arch Columns or Hangers		
		20		53		
27. Spandrel Walls				28. Protective Coating System		TYPE = 0-OTHER
		21		DATE = 01/01/1961		54
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections		
		22		55		2
31. Live Load Response			S	32. Summary		
		23		56		4
SUBSTRUCTURE		2-CONCRETE		PIERS=0		SPANS = 1
33. Abutments		2-CONCRETE	3	34. Abutment Seats		
		24		57		3
35. Piers		TYPE = N-NONE		36. Pier Seats		
		25		58		
37. Backwalls			3	38. Wingwalls		ABUTMENT:=SPREAD / SPREAD
		26		59		3
39. Fenders and Dolphins				40. Scour		7-COUNTERMEAS INSTALLED
		27		60		1
41. Slope Protection		N-NONE		42. Summary		DIVE DT=N/A
		28		62		4
CULVERTS						
43. General				44. Alignment		
		29		63		
45. Shape				46. Seams		
		30		64		
47. Headwalls or Endwalls				48. Scour		
		31		65		
49.				50. Summary		
		32		66		
CHANNEL						
51. Alignment			1	52. Protection		0-OTHER-GRASS, BUSHES & TREES
		33		67		1
53. Waterway Adequacy			1	54. Summary		
		34		68		7
APPROACHES						
55. Pavement		2-BITUMINOUS	1	56. Approach Slabs		
		35		69		
57. Guardrail		1-STEEL BEAM	4	58. Relief Joints		
		36		70		
59. Embankment		BRDG.WIDTH=15.7	1	60. Summary		PCT.LEGAL=75
		37		71		7
GENERAL						
61. Navigation Lights				ROUTINE.RESP: 3-COUNTY		
		38		62. Warning Signs		MAINT.RESP: 3-COUNTY
63. Sign Supports		MVC ON=9999 UND=0000	4	64. Utilities		
		39		73		
65. Vertical Clearance			1	66. General Appraisal & Operational Status		
		40		74		COND 4 STAT P

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

R

S

78 INITIALS

SIGNED

7

1

2

8

8

81 PE

R

C

83 INITIALS

DOT 2852

DECK AREA 2,110

Date

0

9

1

4

1

2

8691

1

0

0

0

1

1

N

N

9269 Survey99

Date

1

0

2

6

1

2

100105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

6	8	3	1	7	2	9
---	---	---	---	---	---	---

1 Structure File Number 7

Bridge Number PRE T0333 0020
CO ROUTE UNIT

Date Built 07/01/1931

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

00 NO REMARKS FOUND FOR THIS INSPECTION.