

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]	Lanier [41846]	N OF CH 58	00-00-00 = 0.000000	000-00-00 = 0.000000
6838235	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	FUDGE RD	Toll On free road [3]	Features intersected	AUKERMAN CREEK	
Design - main Steel [3]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1913	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	0	Other [00]	Skew angle 0	Structure Flared
		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 27.7 m = 90.9 ft	Length of maximum span 26.2 m = 86.0 ft	Deck width, out-to-out 4.9 m = 16.1 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	Corrugated Steel [6]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	4.5 metric ton = 5.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	6.2 metric ton = 6.8 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	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Satisfactory [6]	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	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	20
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	October 2010 [1010]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2010 [1010]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: **English**
Structure File Number **6838235**
Sufficiency Rating: **20.0 SD**

Bridge Inventory Information
Inventory Bridge Number: **PRE T0347 0025**
ON AUKERMAN CREEK

Report Date **02/26/2013** BM-191 Page: 1 of 2
BR. Type STEEL / TRUSS / PONY (TRUSS)
Date of Last Inventory Update: **01/25/2013**

District: **08** County **PREBLE** (101) Location: **N OF CH 58** (102) Facility Carried: **FUDGE RD**
(2) FIPS Code: **LANIER 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 / PONY (TRUSS)**
Route No.: **T0347** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **86 Ft** (66) Overall Leng: **91 Ft**

(4) Feature Intersected: **AUKERMAN CREEK** (70) Substructure (71) Foundation and Scour Information
(5) County: **LAN** Mileage: **0025** 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: **7** (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)**
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 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
(154) Min Hriz on Bridge: NC: **0.0 Ft** Card: **15.8 Ft**
(155) Prac Max Vert On Brg: **9999.9 Ft**
(67) Min Vrt Clr On Brg: NC: **0.0 Ft** Card: **9999.9 Ft**
(80) Min Latl Clr: NC: **0.0 / 0.0 Ft** Card: **0.0 / 0.0 Ft**
(81) Vrt Clr Lft: **0.0 Ft**

Structure Information
(38) Bypass Length: **03 Miles**
(39) Latitude: **39 Deg 39.6 Min** Longitude: **84 Deg 31.2 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1913** (42) Major Rehabilitation:
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0 Deg**
(49) App. Rdw Width: **20 Ft** (50) Brg. Rdw Width: **15.8 Ft**
(51) Deck Width: **16.0 Ft** Deck Area: **1453 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:

Load Rating Information (88-89) Appraisal
(48) Design Load: **HS/20** (Including calculated Items)
(83) Operating: **7 Ton**
Inventory: **5 Ton**
Ohio Percent of Legal Load **0** (88) Waterway Adequacy **7**
Year of Rating: **2011** (89) Approach Alignment **4**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **0**
(85) Rate Soft: **BARS** Analyzed by: **K&K** Calc Deck Geometry: **8**
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 **ROLLED STEEL** (122) Moment Plate: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (BRONZE)/NONE**
(126) Navigation: **Control- X** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**
(193) Spec Insp: **N** Freq: **0** Date:
(188) Fracture Critical Insp: **N** Freq: **0** Date: **2010-10-07**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **PINS AND HANGERS**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0 pounds** Prime Loc: **UNKNOWN**
Bridge Dedicated Name:

(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**
Thickness: **1.0 in** (119) Date of Wearing Surface:
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

Unit of Measure: **English**
 Structure File Number **6838235**
 Sufficiency Rating: **20.0 SD**

Bridge Inventory Information
 Inventory Bridge Number: **PRE T0347 0025**
ON AUKERMAN CREEK

Report Date **02/26/2013** BM-191 Page: 2 of 2
 BR. Type **STEEL/TRUSS/PONY (TRUSS)**
 Date of Last Inventory Update: **01/25/2013**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC (69) NBIS: Y (---) Hist Builder: CENTRAL STATES BRIDGE CO Hist Build Year: 1913 (INDANAPOLIS, I (69) Hist Type: PRATT (PINNED) (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:				(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: ONO PLANS OR INFORMATION AVAILABLE (153) Repair Projects			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number:		1. / 020		2. / 020	
(90) Length: Ft		PID Status:		3.		4.	
(90) Bridge Cost (\$1000s): 0		PID Date:		5.		6.	
(90) Roadway Cost (\$1000s): 0				7.		8.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		9.		10.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 1	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: N	(161) Lighting: N	Gas: N	Fencing: N	(184) Signs-on: Y	
(I-32) Superstructure: 1	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: N	Glare-Screen: N	Telephone: N	Splash-Guard: N	Signs-Under: N	
(I-42) Substructure: 5	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: N	Catwalks: N	Water: N	Other-Feat: N	(162) Fence-Ht: 0.0 Ft	
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Other: N	Other-Feat: N	(163) Noise Barr: N			
(I-54) Channel: 8	In Depth: N NONE N/A						
(I-60) Approaches: 4	Fracture Critical: N NONE N/A						
(I-66) General Appraisal: 1	Scour Critical: N NONE N/A						
(I-66) Operational Status: K	Critical Findings: N NONE N/A						
Inspection Date: 10/05/2012	Insp. Update Date: 01/25/2013						
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: PRE-T0347-0025 -			
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

6	8	3	8	2	3	5
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Bridge Number **PRE T0347 0025**
CO ROUTE UNIT

LANIER TWP

Date Built **07/01/1913**

District **08** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15 AUKERMAN CREEK**

PRE

DECK		Out/Out 16.0	4	THCK = 1.0		3
1. Floor	A-JACK ARCH	8		2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	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
7. Expansion Joints	N-NONE	11		8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=86	1			4
9. Alignment		12		10. Beams/Girders/Slab	1-ROLLED STEEL	45
		TOT.LGTH=91				4
11. Diaphragms or Crossframes		13		12. Joists/Stringers		46
13. Floor Beams		14	2	14. Floor Beam Connections		47
15. Verticals		15	3	16. Diagonals		48
17. End Posts		16	2	18. Top Chord		49
19. Lower Chord		17	2	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19		24. Bearing Devices	3-SLIDING (BRONZE) N-NONE	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1991	54
29. Pins/Hangers/Hinges		22	2	30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		2-CONCRETE	2	PIERS=0 SPANS = 1		1
33. Abutments	2-CONCRETE	24		34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	2	38. Wingwalls	ABUTMENT:=SPREAD / SPREAD	59
39. Fenders and Dolphins		27		40. Scour	5-STABLE: SCOUR WITHIN L	60
41. Slope Protection	N-NONE	28		42. Summary		62
CULVERTS				DIVE DT=N/A		5
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		1
51. Alignment		33	1	52. Protection		67
53. Waterway Adequacy		34	1	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	3	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=15.8	37	1	60. Summary		71
GENERAL				PCT.LEGAL=0		4
61. Navigation Lights		38		ROUTINE.RESP: 3-COUNTY		4
63. Sign Supports	MVC ON=9999 UND=0000	39	1	62. Warning Signs	MAINT.RESP: 3-COUNTY	72
65. Vertical Clearance		40	N	64. Utilities		73
				66. General Appraisal & Operational Status		74
						COND 1 STAT K

67. INSPECTED BY

68. REVIEWED BY

SIGNED

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76 PE

R	S
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78 INITIALS

SIGNED

	7	1	2	8	8
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81 PE

R	C
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83 INITIALS

DOT 2852

DECK AREA 1,453

Date

1	0	0	5	1	2
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86

91

0	0	0	0	N	N	N	N
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92

69 Survey

99

Date

0	1	2	5	1	3
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100

105

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1 Structure File Number 7

Bridge Number **PRE T0347 0025**
CO ROUTE UNIT

Date Built 07/01/1913

District **08** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15**

AUKERMAN CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.
