

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] Wood County [173] Grand Rapids [31220] 2.08 MILES E.OF COUNTYLIN 41-24-06 = 41.401667 083-50-36 = - 83.843333

8745625 Highway agency district 2 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! LONG-JUDSON ROAD Toll On free road [3] Features intersected BEAVER CRK.LONG-JUDSON R

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 1987

Skew angle 0 Structure Flared

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

Total length 32 m = 105.0 ft Length of maximum span 31.1 m = 102.0 ft Deck width, out-to-out 5.9 m = 19.4 ft Bridge roadway width, curb-to-curb 4.9 m = 16.1 ft

Inventory Route, Total Horizontal Clearance 4.9 m = 16.1 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 Bituminous [6]

Deck protection Other [9]

Type of membrane/wearing surface Built-up [1]

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 6.3 metric ton = 6.9 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 9 metric ton = 9.9 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic	72	Average daily truck traffi	0	%	Year	1993	Future average daily traffic	100	Year	2029
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	7.9 m = 25.9 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed	Work done by		Work to be done by contract [1]	
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	\$177,000	Roadway improvement cost	\$18,000
	Length of structure improvement	30.5 m = 100.1 ft	Total project cost	\$200,000
	Year of improvement cost estimate	2000		
	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 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 corrective action [3]
Condition ratings - deck	Satisfactory [6]		
Scour	Scour calculation/evaluation has not been made. [6]		
Channel and channel protection	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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	22.3
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	September 2007 [0907]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	August 1995 [0895]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: **English**
Structure File Number **8745625**
Sufficiency Rating: **31.2 SD**

Bridge Inventory Information
Inventory Bridge Number: **WOO T079A 0006**
ON BEAVER CRK.LONG-JUDSON RD

Report Date **09/05/2012** **BM-191** Page: 1 of 2
BR. Type STEEL / TRUSS / PONY (TRUSS)
Date of Last Inventory Update: **08/09/2012**

District: 02	County WOOD	(101) Location: 0.2 ML E OF BEAVER CRK RD	(102) Facility Carried: LONG-JUDSON ROAD
(2) FIPS Code: GRAND RAPIDS TWP		(103) Route On Bridge: TOWNSHIP	(104) Route Under Bridge: NON-HIGHWAY
(9) Direction of Traffic: 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.: T079A Dir:	Des: MAINLINE Pref:	Total Spans: 1	(65) Max Span: 102 Ft
(4) Feature Intersected: BEAVER CRK.LONG-JUDSON RD			(66) Overall Leng: 105 Ft

(5) County: GRA Mileage: 0006 Special Desig:	(70) Substructure	(71) Foundation and Scour Information	
(6) Avg. Daily Traffic(ADT): 72 (7) ADT Year: 1993	Abut-Rear Matl: CONCRETE	Type: SOLID WALL	Fnd: SPREAD FOOTING
(8) Truck Traf: 2 (14) NHS: NO - X (15) Corridor: N	Abut-Fwd Matl: CONCRETE	Type: SOLID WALL	Fnd: STEEL H PILES (OTHER SIZE)
(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		No of Piers Predominate: NN	Other: NN	Other: NN
(22) Route On/Under:	Hwy Sys:	(86) Stream Velocity: UUU	(74) Scour: STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE	
Route No.: Dir:	Des: Pref:	(189) Dive: N Freq: 0	Probe: Y Freq: 12	(75) Chan Prot: SHEET PILING
(23) Feature Intersected:		(189) Date of last Dive Insp:	(152) Drainage Area: 191 Sq Mi	
(24) County: Mileage:	Special Desig:			
(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			Clearance Under the Bridge	
(154) Min Hriz on Bridge:	NC: 0.0 Ft	Card: 16.2 Ft	(156) Min. Horiz Under Clear:	NC: 0.0 Ft Card: 0.0 Ft
(155) Prac Max Vert On Brg:	9999.9 Ft		(157) Prac Max Vrt Under Clear:	0.0 Ft
(67) Min Vrt Clr On Brg:	NC: 0.0 Ft	Card: 9999.9 Ft	(77) Min Vert Under Clear:	NC: 0.0 Ft Card: 0.0 Ft
(80) Min Latl Clr:	NC: 0.0 / 0.0 Ft	Card: 0.0 / 15.5 Ft	(78) Min Lat Under Clear:	NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft
(81) Vrt Clr Lft:	0.0 Ft			

Structure Information		Load Rating Information		(88-89) Appraisal
(38) Bypass Length: 03 Miles		(48) Design Load: UNKNOWN [DEFAULT]	(Including calculated Items)	
(39) Latitude: 41 Deg 24.1 Min	Longitude: 83 Deg 50.6 Min	(83) Operating: 10 Ton		
(40) Toll: ON FREE ROAD		Inventory: 7 Ton		
(41) Date Built: 07/01/1900	(42) Major Rehabilitation: 01/01/1987	Ohio Percent of Legal Load 80	(88) Waterway Adequacy 8	(89) Approach Alignment 4
(43) No. Lanes On: 2	No. Lanes Under: 0	Year of Rating: 2011	Calc Gen Appraisal: 4	Calc Deck Geometry: 3
(44) Horiz Curve: Deg. Min.	(45) Skew: 0 Deg	(84) Analysis: LOAD FACTOR (LF)	Calc Underclearance: N	
(49) App. Rdw Width: 26 Ft	(50) Brg. Rdw Width: 16.2 Ft	(85) Rate Soft: BARS Analyzed by:		
(51) Deck Width: 19.4 Ft	Deck Area: 2034 Sq. Ft	Analysis on Bars: NOT ON BARS [DEFAULT]		

Approach Information	
(109) Approach Guardrail: STEEL BEAM	(111) Grade: GOOD
(110) Approach Pavement: BITUMINOUS	

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: ROLLERS/SLIDING (OTHER)		
(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: 2010-11-23
(138) Long Member: TWO TRUSSES (RIVETED)		(135) Hinges: NOT APPLICABLE
(141) Structural Steel Memb: UNKNOWN		(139) Framing: NONE
		Railing: UNKNOWN
		Paint: OTHER
Pay Wt: 87,559 pounds	Prime Loc: UNKNOWN	
Bridge Dedicated Name:		

Unit of Measure: **English**
 Structure File Number **8745625**
 Sufficiency Rating: **31.2 SD**

Bridge Inventory Information
 Inventory Bridge Number: **WOO T079A 0006**
ON BEAVER CRK.LONG-JUDSON RD

Report Date **09/05/2012** BM-191 Page: 2 of 2
 BR. Type **STEEL/TRUSS/PONY (TRUSS)**
 Date of Last Inventory Update: **08/09/2012**

General Information (Continued)	Original Plans Information
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(---) Hist Significance: **NOT HISTORIC** (69) NBIS: Y
 (---) Hist Builder: **ELKHART BRIDGE AND IRON COMPANY** Hist Build Year: **1916**
 (69) Hist Type: **PARKER (RIVETED)**
 (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: **1PLAN INFORMATION AVAILABLE**

Proposed Improvements	Programming Info
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(90) Type Work: **31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM**
 (90) Length: Ft
 (90) Bridge Cost (\$1000s): **0**
 (90) Roadway Cost (\$1000s): **0**
 (90) Total Project Cost (\$1000s): **0** (90) Year:
 (91) Future ADT (On Bridge): **0** (92) Year of Future ADT: **2029**

PID Number:
 PID Status:
 PID Date:
 (153) Repair Projects

1. / MMM	2. / 020	3. / 044
4.	5.	6.
7.	8.	9.
10.		

Inspection Summary	(I-69) Survey Items
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(I-8) Deck: 6 (I-32) Superstructure: 5 (I-42) Substructure: 4 (I-50) Culvert: (I-54) Channel: 6 (I-60) Approaches: 5 (I-66) General Appraisal: 4 (I-66) Operational Status: P Inspection Date: 01/11/2012 (94) Desig Insp Freq: 12 Months	Railings: 1 MEETS CURRENT STANDARDS Transitions: 0 DOES NOT MEET CURRENT STANDARDS Guardrail: 1 MEETS CURRENT STANDARDS Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS In Depth: N NONE N/A Fracture Critical: N NONE N/A Scour Critical: N NONE N/A Critical Findings: N NONE N/A Insp. Update Date: 03/05/2012
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Utilities	Special Features
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(46) Electric: N Gas: N Sanitary Sewer: N Telephone: N TV Cable: N Water: N Other: N	(161) Lighting: N Fencing: N Glare-Screen: N Splash-Guard: N Catwalks: N Other-Feat: N (184) Signs-on: N Signs-Under: N (162) Fence-Ht: 0.0 Ft (163) Noise Barr: N
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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: **WOO-T079A-0006 -**
 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

8	7	4	5	6	2	5
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Bridge Number **WOO T079A 0006**
CO ROUTE UNIT

GRAND RAPIDS TWP

Date Built **07/01/1900 - 1987**

District **02** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15 BEAVER CRK.LONG-JUDSON RD**

WOO

DECK		Out/Out 19.4	1	THCK = 2.0		3
1. Floor	3-TIMBER PLANK	8	1	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		N-NONE		W.S. Date = 01/01/1987		
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	7-STL GUARDRL ON STL, CO	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=102	1			
9. Alignment		12	1	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
		TOT.LGTH=105				
11. Diaphragms or Crossframes		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	2	20. Lower Lateral Bracing		50
21. Top Lateral Bracing		18		22. Sway Bracing		51
23. Portals		19		24. Bearing Devices	1-ROLLERS A-SLIDING (OTHER)	52
25. Arch		20		26. Arch Columns or Hangers		53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1987	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		2-CONCRETE	3	PIERS=0 SPANS = 1		3
33. Abutments	2-CONCRETE	24	3	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	3	38. Wingwalls	ABUTMENT:=STEEL H / 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		
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				3-SHEET PILING		2
51. Alignment		33	2	52. Protection		67
53. Waterway Adequacy		34	1	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	1-STEEL BEAM	36	2	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=16.2	37	3	60. Summary		71
GENERAL				PCT.LEGAL=80		
61. Navigation Lights		38		ROUTINE.RESP: 3-COUNTY		1
63. Sign Supports	MVC ON=9999 UND=0000	39		MAINT.RESP: 3-COUNTY		72
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

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76 PE

M	D	M
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78 INITIALS

SIGNED

	6	7	0	6	2
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81 PE

A	E	H
---	---	---

83 INITIALS

DOT 2852

DECK AREA 2,034

Date

0	1	1	1	1	2
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86

91

Date

1	0	1	0	N	N	N	N
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92

69 Survey

99

Date

0	2	2	3	1	2
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100

105

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8	7	4	5	6	2	5
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1 Structure File Number 7

Bridge Number **W00 T079A 0006**
CO ROUTE UNIT

Date Built 07/01/1900 - 1987

District **02** Bridge Type **STEEL/TRUSS/PONY (TRUSS)**

Type Service **1 15**

BEAVER CRK.LONG-JUDSON RD

00 NO REMARKS FOUND FOR THIS INSPECTION.
