

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] Pickaway County [129] Jackson [37982] 1.3MI EAST OF LONDON ROAD 39-38-24 = 39.640000 083-00-54 = - 83.015000

6533167 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! MCLEAN MILL ROAD Toll On free road [3] Features intersected BIG DARBY CREEK

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

2 Truss - Thru [10] 0 Other [00] Year built 1912 Year reconstructed 1986

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 78.6 m = 257.9 ft Length of maximum span 38.1 m = 125.0 ft Deck width, out-to-out 5.3 m = 17.4 ft Bridge roadway width, curb-to-curb 5.2 m = 17.1 ft

Inventory Route, Total Horizontal Clearance 5.2 m = 17.1 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type 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 Allowable Stress(AS) [2] Inventory rating 24.3 metric ton = 26.7 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 36 metric ton = 39.6 tons

Bridge posting Design Load

### Functional Details

Average Daily Traffic	210	Average daily truck traffi	0	%	Year	1984	Future average daily traffic	291	Year	2027
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.6 m = 15.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		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	3.81 m = 12.5 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 relocation of road. [32]	Bridge improvement cost	\$348,000	Roadway improvement cost	\$35,000						
	Length of structure improvement	78.6 m = 257.9 ft		Total project cost	\$400,000					
	Year of improvement cost estimate	2003								
	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	Critical [2]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	27.9
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	Inspected feature meets currently acceptable standards. [1]		
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	August 2009 [0809]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: **English**  
Structure File Number **6533167**  
Sufficiency Rating: **26.9 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **PIC T0127 0236**  
**ON BIG DARBY CREEK**

Report Date **03/01/2013** **BM-191** Page: 1 of 2  
**BR. Type STEEL / TRUSS / THRU**  
Date of Last Inventory Update: **02/21/2013**

District: <b>06</b>	County <b>PICKAWAY</b>	(101) Location: <b>1.3MI EAST OF LONDON ROAD</b>	(102) Facility Carried: <b>MCLEAN MILL ROAD</b>
(2) FIPS Code: <b>JACKSON TWP</b>		(103) Route On Bridge: <b>TOWNSHIP</b>	(104) Route Under Bridge: <b>NON-HIGHWAY</b>
(9) Direction of Traffic: <b>ONE LANE FOR 2-WAY TRAFFIC</b>	(10) Temporary: <b>N</b>	(11) Truck Network: <b>N</b>	(12) Parallel: <b>N</b>
(95) Insp: <b>COUNTY</b>	(96) Maint: <b>COUNTY</b>	(97) Routine: <b>COUNTY</b>	(Under): <b>WATERWAY</b>

<b>Inventory Route Data</b>		(63) Main Spans Number: <b>2</b>	Type: <b>STEEL / TRUSS / THRU</b>
(3) Route On/Under: <b>ON</b>	Hwy Sys: <b>COUNTY/TOWNSHIP HIGHWAY</b>	Approach Spans Number: <b>0</b>	Type: <b>NONE / NONE / NONE</b>
Route No.: <b>T0127</b>	Dir:	Total Spans: <b>2</b>	(65) Max Span: <b>125 Ft</b>
	Des: <b>MAINLINE</b>		(66) Overall Leng: <b>258 Ft</b>
	Pref:		

(4) Feature Intersected: <b>BIG DARBY CREEK</b>	(70) Substructure	(71) Foundation and Scour Information	
(5) County: <b>JAC</b>	Mileage: <b>0236</b>	Special Desig:	Fnd: <b>UNKNOWN (OR OLDER BRIDGE BEING ADDED)</b>
(6) Avg. Daily Traffic(ADT): <b>210</b>	(7) ADT Year: <b>1984</b>	Abut-Rear Matl: <b>CONCRETE</b>	Type: <b>GRAVITY</b>
(8) Truck Traf: <b>0</b>	(14) NHS: <b>NO - X</b>	(15) Corridor: <b>N</b>	Type: <b>GRAVITY</b>
(16) Functional Class: <b>LOCAL ROAD-RURAL</b>	(19) Strahnt: <b>Not Applicable</b>	Abut-Fwd Matl: <b>CONCRETE</b>	Type: <b>GRAVITY</b>
		Pier-Pred Matl: <b>CONCRETE</b>	Type: <b>GRAVITY</b>
		Pier-Other Matl: <b>NONE</b>	Type: <b>NONE</b>
		Pier-Other Matl: <b>NONE</b>	Type: <b>NONE</b>
		No of Piers Predominate: <b>01</b>	Other: <b>NN</b>
		(86) Stream Velocity: <b>UUU</b>	(74) Scour: <b>STABLE: ACTION REQUIRED TO PROTECT FND</b>
		(189) Dive: <b>N Freq: 0</b>	Probe: <b>Y Freq: 12</b>
		(189) Date of last Dive Insp:	(75) Chan Prot: <b>NONE</b>
		(189) Date of last Dive Insp:	(152) Drainage Area: <b>UUU Sq Mi</b>

<b>Intersected Route Data</b>		<b>Clearance Under the Bridge</b>	
(22) Route On/Under:	Hwy Sys:	(156) Min. Horiz Under Clear:	NC: <b>0.0 Ft</b>
Route No.:	Dir:	(157) Prac Max Vrt Under Clear:	<b>0.0 Ft</b>
	Des:	(77) Min Vert Under Clear:	NC: <b>0.0 Ft</b>
	Pref:	(78) Min Lat Under Clear:	NC: <b>0.0 / 0.0 Ft</b>
(23) Feature Intersected:			Card: <b>0.0 Ft</b>
(24) County:	Mileage:		Card: <b>0.0 Ft</b>
(25) Avg. Daily Traffic(ADT): <b>0</b>	Special Desig:		Card: <b>0.0 / 0.0 Ft</b>
(27) Truck Traf: <b>0</b>	(26) ADT Year:		
(28) NHS: -	(29) Corridor:		
(30) Functional Class:	(36) Strahnt: <b>Not Applicable</b>		

<b>Clearance On the Bridge</b>		<b>(88-89) Appraisal</b>	
(154) Min Hriz on Bridge:	NC: <b>0.0 Ft</b>	Card: <b>17.0 Ft</b>	
(155) Prac Max Vert On Brg:	<b>16.6 Ft</b>		
(67) Min Vrt Clr On Brg:	NC: <b>0.0 Ft</b>	Card: <b>12.5 Ft</b>	
(80) Min Latl Clr:	NC: <b>0.0 / 0.0 Ft</b>	Card: <b>0.5 / 0.5 Ft</b>	
(81) Vrt Clr Lft:	<b>0.0 Ft</b>		

<b>Structure Information</b>		<b>Load Rating Information</b>	
(38) Bypass Length: <b>03 Miles</b>		(48) Design Load: <b>UNKNOWN [DEFAULT]</b>	(Including calculated Items)
(39) Latitude: <b>39 Deg 38.4 Min</b>	Longitude: <b>83 Deg 0.9 Min</b>	(83) Operating: <b>40 Ton</b>	
(40) Toll: <b>ON FREE ROAD</b>		Inventory: <b>27 Ton</b>	
(41) Date Built: <b>07/01/1912</b>	(42) Major Rehabilitation: <b>01/01/1986</b>	Ohio Percent of Legal Load <b>50</b>	(88) Waterway Adequacy <b>5</b>
(43) No. Lanes On: <b>1</b>	No. Lanes Under: <b>0</b>	Year of Rating: <b>2008</b>	(89) Approach Alignment <b>4</b>
(44) Horiz Curve: <b>Deg. Min.</b>	(45) Skew: <b>0 Deg</b>	(84) Analysis: <b>ALLOWABLE STRESS OR WORKING STRESS</b>	Calc Gen Appraisal: <b>2</b>
(49) App. Rdw Width: <b>15 Ft</b>	(50) Brg. Rdw Width: <b>17.0 Ft</b>	(85) Rate Soft: <b>NO SOFTWARE USED</b> Analyzed by:	Calc Deck Geometry: <b>2</b>
(51) Deck Width: <b>17.3 Ft</b>	Deck Area: <b>4467 Sq. Ft</b>	Analysis on Bars: <b>NOT ON BARS [DEFAULT]</b>	Calc Underclearance: <b>N</b>

<b>Approach Information</b>	
(109) Approach Guardrail: <b>STEEL BEAM</b>	(111) Grade: <b>GOOD</b>
(110) Approach Pavement: <b>BITUMINOUS</b>	

<b>Culvert Information</b>	
(131) Culvert Type: <b>NONE/NOT APPLICBLE</b>	(127) Length: <b>0.0 Ft</b>
(129) Depth of Fill: <b>0.0 Ft</b>	(130) Headwalls: <b>NONE</b>

<b>General Information</b>	
(121) Main Member <b>N/A (CULVERTS, TRUSSES, ETC.)</b>	(122) Moment Plate: <b>NOT APPLICABLE</b>
(169) Expansion Joint: <b>SLIDING METAL PLATE ANGLE</b>	
(124) Bearing Devices: <b>ROLLERS/NONE</b>	
(126) Navigation: <b>Control- N</b>	Vert Clr: <b>0.0 Ft</b>
(193) Spec Insp: <b>N</b>	Freq: <b>0</b>
(188) Fracture Critical Insp: <b>Y</b>	Freq: <b>24</b>
(138) Long Member: <b>TWO TRUSSES (RIVETED)</b>	Date: <b>2011-12-20</b>
(141) Structural Steel Memb: <b>UNKNOWN</b>	(135) Hinges: <b>NOT APPLICABLE</b>
	(139) Framing: <b>NONE</b>
	Railing: <b>UNKNOWN</b>
	Paint: <b>UNKNOWN</b>
Pay Wt: <b>0 pounds</b>	Prime Loc: <b>UNKNOWN</b>
Bridge Dedicated Name:	

Unit of Measure: **English**  
 Structure File Number **6533167**  
 Sufficiency Rating: **26.9 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **PIC T0127 0236**  
**ON BIG DARBY CREEK**

Report Date **03/01/2013** **BM-191** Page: 2 of 2  
**BR. Type STEEL/TRUSS/THRU**  
 Date of Last Inventory Update: **02/21/2013**

**General Information (Continued) Original Plans Information**

(---) Hist Significance: **NON-REGISTERED HISTORIC BRIDGE** (69) NBIS: Y  
 (---) Hist Builder: **OREGONIA BRIDGE CO** Hist Build Year: **1912**  
**(LEBANON, OH)**  
 (69) Hist Type: **WARREN (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**

(90) Type Work: **32 - BRG/STR REPL--RELOCATION OF ROAD** PID Number:  
 (90) Length: Ft PID Status:  
 (90) Bridge Cost (\$1000s): **0** PID Date:  
 (90) Roadway Cost (\$1000s): **0**  
 (90) Total Project Cost (\$1000s): **0** (90) Year:  
 (91) Future ADT (On Bridge): **0** (92) Year of Future ADT: **2033**

(153) Repair Projects  
 1. / **MMM** 2. / **020** 3.  
 4. 5. 6.  
 7. 8. 9.  
 10.

**Inspection Summary (I-69) Survey Items**

(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>
(I-42) Substructure: <b>2</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>
(I-50) Culvert:	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>
(I-54) Channel: <b>7</b>	In Depth: <b>0 DOES NOT MEET CURRENT STANDARDS</b>
(I-60) Approaches: <b>6</b>	Fracture Critical: <b>N NONE N/A</b>
(I-66) General Appraisal: <b>2</b>	Scour Critical: <b>N NONE N/A</b>
(I-66) Operational Status: <b>P</b>	Critical Findings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>
Inspection Date: <b>01/17/2013</b>	Insp. Update Date: <b>02/21/2013</b>
(94) Desig Insp Freq: <b>12 Months</b>	

**Utilities Special Features**

(46) Electric: <b>N</b>	(161) Lighting: <b>N</b>
Gas: <b>N</b>	Fencing: <b>N</b>
Sanitary Sewer: <b>N</b>	Glare-Screen: <b>N</b>
Telephone: <b>N</b>	Splash-Guard: <b>N</b>
TV Cable: <b>N</b>	Catwalks: <b>N</b>
Water: <b>N</b>	Other-Feat: <b>N</b>
Other: <b>N</b>	(184) Signs-on: <b>N</b>
	Signs-Under: <b>N</b>
	(162) Fence-Ht: <b>0.0 Ft</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: **PIC-T0127-0236 -**  
 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  
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6	5	3	3	1	6	7
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Bridge Number **PIC T0127 0236**  
CO ROUTE UNIT

JACKSON TWP

Date Built **07/01/1912 - 1986**

Structure File Number 7

District **06** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15 BIG DARBY CREEK**

PIC

<b>DECK</b>		Out/Out 17.3	2	THCK = 2.0		1
1. Floor	6-CORRUGATED STEEL PLATE 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	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	<b>8. Summary</b>		44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=125	1	10. Beams/Girders/Slab		N-N/A (CULVERTS, TRUSSES) 45
9. Alignment				12. Joists/Stringers		46
		TOT.LGTH=258		14. Floor Beam Connections		47
11. Diaphragms or Crossframes			2	16. Diagonals		48
13. Floor Beams			3	18. Top Chord		49
15. Verticals			2	20. Lower Lateral Bracing		50
17. End Posts			3	22. Sway Bracing		51
19. Lower Chord			1	24. Bearing Devices		52
21. Top Lateral Bracing				1-ROLLERS		
23. Portals			1	N-NONE		
25. Arch				26. Arch Columns or Hangers		53
27. Spandrel Walls				TYPE = U-UNKNOWN		
29. Pins/Hangers/Hinges				DATE = 01/01/1986		54
31. Live Load Response			S	30. Fatigue Prone Connections		55
				<b>32. Summary</b>		56
<b>SUBSTRUCTURE</b>		2-CONCRETE	3	PIERS=1		SPANS = 2
33. Abutments	2-CONCRETE 24			34. Abutment Seats		57
35. Piers	TYPE = 2-CONCRETE 25		3	36. Pier Seats		58
37. Backwalls			3	ABUTMENT:=UNKNOWN / UNKNOWN		59
39. Fenders and Dolphins				40. Scour		4-STABLE: ACTION REQUIRE 60
41. Slope Protection	N-NONE 28			<b>42. Summary</b>		DIVE DT=N/A 62
<b>CULVERTS</b>				44. Alignment		63
43. General				46. Seams		64
45. Shape				48. Scour		65
47. Headwalls or Endwalls				50. Summary		66
49.						
<b>CHANNEL</b>				N-NONE		
51. Alignment			1	52. Protection		67
53. Waterway Adequacy			1	<b>54. Summary</b>		68
<b>APPROACHES</b>				56. Approach Slabs		69
55. Pavement	2-BITUMINOUS 35		1	58. Relief Joints		70
57. Guardrail	1-STEEL BEAM 36		3	<b>60. Summary</b>		PCT.LEGAL=50 71
59. Embankment	BRDG.WIDTH=17.0 37		3			
<b>GENERAL</b>				ROUTINE.RESP: 3-COUNTY		1
61. Navigation Lights				62. Warning Signs		MAINT.RESP: 3-COUNTY 72
63. Sign Supports	MVC ON=12.5 UND=0000			64. Utilities		73
65. Vertical Clearance			1	<b>66. General Appraisal &amp; Operational Status</b>		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

4	9	1	1	2
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76 PE

G	T
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78 INITIALS

SIGNED

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81 PE

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83 INITIALS

DOT 2852

DECK AREA 4,467

Date

0	1	1	7	1	3
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86

91

Date

0	0	0	0	0	N	N	0
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92

69 Survey

99

Date

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100

105

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**BRIDGE INSPECTION REPORT**

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6	5	3	3	1	6	7
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1 Structure File Number 7

Bridge Number **PIC** **T0127** **0236**  
CO ROUTE UNIT

**Date Built 07/01/1912 - 1986**

District **06** Bridge Type **STEEL/TRUSS/THRU**

Type Service **1 15**

**BIG DARBY CREEK**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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