

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] Wood County [173] Liberty [43400] .51 ML W OF LIBERTY HI RD 41-16-09 = 41.269167 083-43-04 = - 83.717778

8743150 Highway agency district 2 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! BAYS ROAD Toll On free road [3] Features intersected MID.BR.PRTG.RIV.BAYS ROA

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Girder and floorbeam system [03] 0 Other [00] Year built 1928 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

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

Total length 15.2 m = 49.9 ft Length of maximum span 14.6 m = 47.9 ft Deck width, out-to-out 7 m = 23.0 ft Bridge roadway width, curb-to-curb 5.9 m = 19.4 ft

Inventory Route, Total Horizontal Clearance 5.9 m = 19.4 ft Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

**Weight Limits**

Bypass, detour length 0.6 km = 0.4 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 10.4 metric ton = 11.4 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 13.6 metric ton = 15.0 tons

Bridge posting Design Load

### 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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Poor [4]"/>		
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="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	<input type="text" value="Equal to present minimum criteria [6]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="30.9"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="March 2011 [0311]"/>	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="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: **English**  
Structure File Number **8743150**  
Sufficiency Rating: **28.9 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **WOO T055C 0004**  
**ON MID BR PORTAGE BAYS RD**

Report Date **11/30/2012** **BM-191** Page: 1 of 2  
**BR. Type CONCRETE / GIRDER / THRU**  
Date of Last Inventory Update: **08/09/2012**

District: **02** County **WOOD** (101) Location: **0.5 ML W OF LIBERTY HI RD** (102) Facility Carried: **BAYS ROAD**  
(2) FIPS Code: **LIBERTY 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**

(3) Route On/Under: **ON** Hwy Sys: **COUNTY/TOWNSHIP HIGHWAY** (63) Main Spans Number: 1 Type: **CONCRETE / GIRDER / THRU**  
Route No.: **T055C** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **48 Ft** (66) Overall Leng: **50 Ft**

(4) Feature Intersected: **MID BR PORTAGE BAYS RD** (70) Substructure (71) Foundation and Scour Information  
(5) County: **LIB** Mileage: **0004** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
(6) Avg. Daily Traffic(ADT): **50** (7) ADT Year: **1993** Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**  
(8) Truck Traf: **1** (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: **COUNTERMEAS INSTALLED TO CORRECT PROBLEM**  
(23) Feature Intersected: (189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **CONC(CAST-IN-PLACE)**  
(24) County: Mileage: Special Desig: (189) Date of last Dive Insp: (152) Drainage Area: **068** 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: **19.3** 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: **9.2 / 9.2** Ft  
(81) Vrt Clr Lft: **0.0** Ft

**Load Rating Information**

**(88-89) Appraisal**

(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)  
(83) Operating: **15** Ton  
Inventory: **15** Ton  
Ohio Percent of Legal Load **30** (88) Waterway Adequacy **6**  
Year of Rating: **2008** (89) Approach Alignment **6**  
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **3**  
(85) Rate Soft: **BARS** Analyzed by: **JTY** Calc Deck Geometry: **4**  
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 **CONCRETE GIRDER** (122) Moment Plate: **NONE**  
(169) Expansion Joint: **OTHER**  
(124) Bearing Devices: **SLIDING (OTHER)/NONE**  
(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: **N** Freq: **0** Date:  
(138) Long Member: **TWO GIRDER BRIDGE** (135) Hinges: **NOT APPLICABLE**  
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**  
Railing: **NONE**  
Paint: **NONE**  
Pay Wt: **0** pounds Prime Loc: **NONE**  
Bridge Dedicated Name:

(62) Wearing Surface: **BITUM (ASPHLT CONCR)**  
Thickness: **2.0** in (119) Date of Wearing Surface: **01/01/1976**  
Slope Protection: **SOIL**

Unit of Measure: **English**  
 Structure File Number **8743150**  
 Sufficiency Rating: **28.9 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **WOO T055C 0004**  
**ON MID BR PORTAGE BAYS RD**

Report Date **11/30/2012** **BM-191** Page: 2 of 2  
**BR. Type CONCRETE/GIRDER/THRU**  
 Date of Last Inventory Update: **08/09/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NOT HISTORIC</b>		(69) NBIS: <b>Y</b>		(142) Fabricator:			
(---) Hist Builder: <b>NONE N/A</b>		Hist Build Year: <b>1928</b>		(143) Contractor:			
(69) Hist Type: <b>SHAPED</b>				(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: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b>			
(90) Type Work: -		PID Number:		Plan Information Available: <b>1PLAN INFORMATION AVAILABLE</b>			
(90) Length: Ft		PID Status:		(153) Repair Projects			
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		1. / <b>044</b>			
(90) Roadway Cost (\$1000s): <b>0</b>				2.			
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		3.			
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2029</b>		4.			
				5.			
				6.			
				7.			
				8.			
				9.			
				10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>3</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(46) Electric: <b>N</b>		(161) Lighting: <b>N</b>			
(I-32) Superstructure: <b>3</b>	Transitions: <b>N NONE N/A</b>	Gas: <b>N</b>		Fencing: <b>N</b>			
(I-42) Substructure: <b>3</b>	Guardrail: <b>N NONE N/A</b>	Sanitary Sewer: <b>N</b>		Glare-Screen: <b>N</b>			
(I-50) Culvert:	Rail Ends: <b>N NONE N/A</b>	Telephone: <b>N</b>		Splash-Guard: <b>N</b>			
(I-54) Channel: <b>7</b>	In Depth: <b>N NONE N/A</b>	TV Cable: <b>N</b>		Catwalks: <b>N</b>			
(I-60) Approaches: <b>5</b>	Fracture Critical: <b>N NONE N/A</b>	Water: <b>N</b>		Other-Feat: <b>N</b>			
(I-66) General Appraisal: <b>3</b>	Scour Critical: <b>N NONE N/A</b>	Other: <b>N</b>		(184) Signs-on: <b>N</b>			
(I-66) Operational Status: <b>P</b>	Critical Findings: <b>N NONE N/A</b>			Signs-Under: <b>N</b>			
Inspection Date: <b>01/30/2012</b>	Insp. Update Date: <b>02/24/2012</b>			(162) Fence-Ht: <b>0.0 Ft</b>			
(94) Desig Insp Freq: <b>12 Months</b>				(163) Noise Barr: <b>N</b>			
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: <b>WOO-T055C-0004 -</b>			
SFNs That where replaced by this bridge: -				INT Field Bridge Marker: <b>---</b>			
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

8	7	4	3	1	5	0
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Bridge Number **WOO T055C 0004**  
CO ROUTE UNIT

LIBERTY TWP

Date Built **07/01/1928**

District **02** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15 MID BR PORTAGE BAYS RD**

**WOO**

<b>DECK</b>		Out/Out 23.0	THCK = 2.0
1. Floor	1-REINF CONCRT (PRESTRSD	8	3
2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41	2
		1-CONCRETE	W.S. Date = 01/01/1976
3. Curbs, Sidewalks, Walkways	N-NONE	9	3
4. Median			42
5. Railing	1-REINFORCED CONCRETE PA	10	2
6. Drainage	N-NONE		43
7. Expansion Joints	0-OTHER	11	2
<b>8. Summary</b>			44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=48	
9. Alignment		12	1
10. Beams/Girders/Slab	5-CONCRETE GIRDER		45
		TOT.LGTH=50	
11. Diaphragms or Crossframes		13	
12. Joists/Stringers			46
13. Floor Beams		14	2
14. Floor Beam Connections			47
15. Verticals		15	
16. Diagonals			48
17. End Posts		16	
18. Top Chord			49
19. Lower Chord		17	
20. Lower Lateral Bracing			50
21. Top Lateral Bracing		18	
22. Sway Bracing			51
23. Portals		19	
24. Bearing Devices	A-SLIDING (OTHER) N-NONE		52
25. Arch		20	
26. Arch Columns or Hangers			53
27. Spandrel Walls		21	
28. Protective Coating System	TYPE = N-NONE DATE =		54
29. Pins/Hangers/Hinges		22	
30. Fatigue Prone Connections			55
31. Live Load Response	S	23	
<b>32. Summary</b>			56
<b>SUBSTRUCTURE</b>		2-CONCRETE	PIERS=0
33. Abutments	2-CONCRETE	24	3
34. Abutment Seats			57
		TYPE = N-NONE	SPANS = 1
35. Piers		25	
36. Pier Seats			58
37. Backwalls		26	2
38. Wingwalls	ABUTMENT:=SPREAD / SPREAD		59
39. Fenders and Dolphins		27	
40. Scour	7-COUNTERMEAS INSTALLED	60	2
41. Slope Protection	S-PROBLEM	28	
<b>42. Summary</b>			62
		DIVE DT=N/A	3
<b>CULVERTS</b>			
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
<b>CHANNEL</b>			
51. Alignment	1-CONC(CAST-IN-PLACE)	33	1
52. Protection			67
53. Waterway Adequacy		34	1
<b>54. Summary</b>			68
<b>APPROACHES</b>			
55. Pavement	2-BITUMINOUS	35	2
56. Approach Slabs			69
57. Guardrail	N-NONE	36	
58. Relief Joints			70
59. Embankment	BRDG.WIDTH=19.3	37	2
<b>60. Summary</b>			71
		PCT.LEGAL=30	5
<b>GENERAL</b>			
61. Navigation Lights		38	
62. Warning Signs	ROUTINE.RESP: 3-COUNTY MAINT.RESP: 3-COUNTY		72
63. Sign Supports	MVC ON=9999 UND=0000	39	
64. Utilities			73
65. Vertical Clearance	N	40	
<b>66. General Appraisal &amp; Operational Status</b>			74
		COND	STAT
		3	P

67. INSPECTED BY

68. REVIEWED BY

SIGNED

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76 PE

B	W	P
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78 INITIALS

SIGNED

	7	4	3	1	9
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81 PE

B	C	R
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83 INITIALS

DOT 2852

DECK AREA 1,152

Date

0	1	3	0	1	2
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86

91

0	N	N	N	N	N	N	N
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92

69 Survey

99

Date

0	2	1	4	1	2
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100

105

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8	7	4	3	1	5	0
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1 Structure File Number 7

Bridge Number **W00 T055C 0004**  
CO ROUTE UNIT

**Date Built 07/01/1928**

District **02** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15**

**MID BR PORTAGE BAYS RD**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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