

# HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Lorain County [093]	Carlisle [12140]	5.25 MI. E. OF	41-20-00 = 41.333333	082-07-00 = - 82.116667
4741420	Highway agency district 3	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		CLOSED-HISTORICAL	Toll On free road [3]	Features intersected WB BLACK RV(CLOSED HIST)	
Design - main	Concrete [1]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Other [00]	0	Other [00]	Year built	1923
				Year reconstructed	1968
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	38.1 m = 125.0 ft	Length of maximum span	36.6 m = 120.1 ft	Deck width, out-to-out	9.1 m = 29.9 ft
				Bridge roadway width, curb-to-curb	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	0.3 m = 1.0 ft	Curb or sidewalk width - right	0.3 m = 1.0 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	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	0 metric ton = 0.0 tons
0 km = 0.0 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	MS 22.5 / HS 25 [9]

### Functional Details

Average Daily Traffic	<input type="text" value="1"/>	Average daily truck traffi	<input type="text" value="0"/>	%	Year	<input type="text" value="2004"/>	Future average daily traffic	<input type="text" value="1"/>	Year	<input type="text" value="2028"/>
Road classification	<input type="text" value="Local (Rural) [09]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="17.1 m = 56.1 ft"/>			
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		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	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Critical [2]	Appraisal ratings - roadway alignment	N/A [N]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Equal to present minimum criteria [6]
Condition ratings - deck	Critical [2]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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		Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	27
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Not applicable or a safety feature is not required. [N]		
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	December 2009 [1209]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: English Structure File Number 4741420 Sufficiency Rating: 27.0 SD			Bridge Inventory Information Inventory Bridge Number:LOR O0231 ON WB BLACK RV(CLOSED HIST)			Report Date 02/07/2012 BM-191 Page: 1 of 2 BR. Type CONCRETE / ARCH / OTHER Date of Last Inventory Update: 02/26/2009		
District: 03 County LORAIN			(101) Location: 5.25 MI. E. OF			(102) Facility Carried: CLOSED-HISTORICAL		
(2)FIPS Code: CARLISLE TWP			(103) Route On Bridge: OTHER			(104) Route Under Bridge: NON-HIGHWAY		
(9) Direction of Traffic: 2-WAY TRAFFIC			(10) Temporary: N			(12)Parallel: N		
(95) Insp: COUNTY (96) Maint: COUNTY (97) Routine: COUNTY			(11)Truck Network: N			(Under): WATERWAY		
(100) Type Serv: (On): HIGHWAY								
Inventory Route Data			(63) Main Spans Number: 1			Type: CONCRETE / ARCH / OTHER		
(3) Route On/Under: ON Hwy Sys: COUNTY/TOWNSHIP HIGHWAY			Approach Spans Number: 0			Type: NONE / NONE / NONE		
Route No.: O0231 Dir: Des: MAINLINE Pref:			Total Spans: 1			(65) Max Span: 120 Ft (66) Overall Leng: 125 Ft		
(4) Feature Intersected: WB BLACK RV(CLOSED HIST)			(70) Substructure			(71) Foundation and Scour Information		
(5) County: LOR Mileage: Special Desig:			Abut-Rear Matl: CONCRETE			Type: CELLULAR OR "U" Fnd: SPREAD FOOTING		
(6) Avg. Daily Traffic(ADT): 1 (7) ADT Year: 2004			Abut-Fwd Matl: CONCRETE			Type: CELLULAR OR "U" 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)		
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		
Route No.: Dir: Des: Pref:			(86) Stream Velocity: UUU			(74) Scour: STABLE: EVAL SCOUR ABOVE TOP OF FOOTING		
(23) Feature Intersected:			(189) Dive: N Freq: 0			Probe: Y Freq: 12 (75) Chan Prot: RIP RAP (DUMPED ROCK OR ROCK)		
(24) County: Mileage: Special Desig:			(189) Date of last Dive Insp:			(152) Drainage Area: 170 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 On the Bridge								
(154) Min Hriz on Bridge: NC: 0.0 Ft Card: 24.0 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: 2.0 / 1.7 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: 00 Miles			(48) Design Load: HS/25-44 & ALTERNATE MILITARY LOADING			(Including calculated Items)		
(39) Latitude: 41 Deg 20.0 Min Longitude: 82 Deg 7.0 Min			(83) Operating: 0 Ton					
(40) Toll: ON FREE ROAD			Inventory: 0 Ton					
(41) Date Built: 07/01/1923 (42) Major Rehabilitation: 01/01/1968			Ohio Percent of Legal Load 0			(88) Waterway Adequacy 0		
(43) No. Lanes On: 2 No. Lanes Under: 0			Year of Rating: 2004			(89) Approach Alignment 6		
(44) Horiz Curve: 00 Deg. D00M Min. (45) Skew: 0 Deg			(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]			Calc Gen Appraisal: 0		
(49) App. Rdw Width: 56 Ft (50) Brg. Rdw Width: 24.0 Ft			(85) Rate Soft: NO SOFTWARE USED Analyzed by:			Calc Deck Geometry: 6		
(51) Deck Width: 30.0 Ft Deck Area: 3746 Sq. Ft			Analysis on Bars: NOT ON BARS [DEFAULT]			Calc Underclearance: N		
(52) Median Type: NONE / NON BARRIE / NO JOINT								
(53) Bridge Median: NO MEDIAN								
(54) Sidewalks: (left) 1 Ft (right) 1 Ft								
(55) Type Curb or Sidewalks:								
(Left) Matl: CONCRETE Type: SAFETY CURB(<=2')								
(Right) Matl: CONCRETE Type: SAFETY CURB(<=2')								
(56) Flared: N (57) Composite: not applicable								
(58) Railing: STL GUARDRL ON STL, CONCR, OR TMBR POSTS								
(59) Deck Drainage: OTHER-NATURAL(OFF THE BRIDGE ENDS)								
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST								
(61) Deck Protection: External: NONE								
Internal: NONE								
(62) Wearing Surface: BITUM (ASPHLT CONCRT)								
Thickness: 4.0 in (119) Date of Wearing Surface:								
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)								
			Pay Wt: 0 pounds Prime Loc: NONE			Railing: NONE		
			Bridge Dedicated Name:			Paint: NONE		

Unit of Measure: **English**  
Structure File Number **4741420**  
Sufficiency Rating: **27.0 SD**

Bridge Inventory Information  
Inventory Bridge Number:**LOR 00231**  
**ON WB BLACK RV(CLOSED HIST)**

Report Date **02/07/2012** BM-191 Page: 2 of 2  
BR. Type **CONCRETE/ARCH/OTHER**  
Date of Last Inventory Update: **02/26/2009**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: <b>NON-REGISTERED HISTORIC BRIDGE</b> (69) NBIS: Y (---) Hist Builder: <b>OHIO STATE HIGHWAY DEPARTMENT</b> Hist Build Year: <b>1923</b> (69) Hist Type: <b>CONCRETE RAINBOW</b> (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:				(142) Fabricator: (143) Contractor: (144) Ohio Original Construction Project No.: <b>UNKNWN</b> (---) Microfilm Reel: <b>LOR004</b> (151) Standard Drawing: Aperture Cards: Orig: <b>N</b> Repair: <b>N</b> Fabr: <b>N</b> Plan Information Available: <b>1PLAN INFORMATION AVAILABLE</b>			
Proposed Improvements		Programming Info		(153) Repair Projects			
(90) Type Work: -		PID Number:		1. / <b>MMM</b>			
(90) Length: Ft		PID Status:		2.			
(90) Bridge Cost (\$1000s): <b>0</b>		PID Date:		3.			
(90) Roadway Cost (\$1000s): <b>0</b>				4.			
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		5.			
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2028</b>		6.			
				7.			
				8.			
				9.			
				10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>2</b>	Railings: <b>N NONE N/A</b>			(46) Electric: <b>U</b>	(161) Lighting: <b>N</b>		
(I-32) Superstructure: <b>2</b>	Transitions: <b>N NONE N/A</b>			Gas: <b>U</b>	Fencing: <b>N</b>		
(I-42) Substructure: <b>3</b>	Guardrail: <b>N NONE N/A</b>			Sanitary Sewer: <b>U</b>	Glare-Screen: <b>N</b>		
(I-50) Culvert:	Rail Ends: <b>N NONE N/A</b>			Telephone: <b>U</b>	Splash-Guard: <b>N</b>		
(I-54) Channel: <b>8</b>	In Depth:			TV Cable: <b>U</b>	Catwalks: <b>N</b>		
(I-60) Approaches: <b>3</b>	Fracture Critical:			Water: <b>U</b>	Other-Feat: <b>U</b>		
(I-66) General Appraisal: <b>2</b>	Scour Critical:			Other: <b>U</b>	(184) Signs-on: <b>N</b>		
(I-66) Operational Status: <b>K</b>	Critical Findings:				Signs-Under: <b>N</b>		
Inspection Date: <b>12/27/2010</b>	Insp. Update Date: <b>02/15/2011</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: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:				INV Field Bridge Marker: <b>LOR-00231-0525 -</b>			
The bridge was copied from:				INT Field Bridge Marker: <b>---</b>			

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

4

7

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1  
Structure File Number7

Bridge Number

LOR

O0231

CO

ROUTE

UNIT

CARLISLE TWP

Date Built 07/01/1923 - 1968

District 03 Bridge Type CONCRETE/ARCH/OTHERType Service 1 15 WB BLACK RV(CLOSED HIST) LOR

DECK		Out/Out 30.0		THCK = 4.0		
1. Floor	1-REINF CONCRT (PRESTRSD	8	3	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
1-CONCRETE				W.S. Date =		
3. Curbs, Sidewalks, Walkways	1-CONCRETE	9	4	4. Median		42
5. Railing	7-STL GUARDRL ON STL, CO	10	4	6. Drainage	0-OTHER-NATURAL(OFF THE	43
7. Expansion Joints	N-NONE	11		8. Summary		44
2						
SUPERSTRUCTURE		MAX.SPAN=120				
9. Alignment		12		10. Beams/Girders/Slab	5-CONCRETE GIRDER	45
11. Diaphragms or Crossframes		TOT.LGTH=125		12. Joists/Stringers		46
13. Floor Beams		14	4	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		N-NONE		
24. Bearing Devices				N-NONE		52
25. Arch		20	3	26. Arch Columns or Hangers		53
27. Spandrel Walls		21		TYPE = N-NONE		
28. Protective Coating System				DATE =		54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23		32. Summary		56
2						
SUBSTRUCTURE		2-CONCRETE		PIERS=0		SPANS = 1
33. Abutments	2-CONCRETE	24	3	34. Abutment Seats		57
35. Piers		TYPE = N-NONE	25	36. Pier Seats		58
37. Backwalls		26		ABUTMENT:=SPREAD / SPREAD		59
39. Fenders and Dolphins		27		40. Scour	8-STABLE: EVAL SCOUR ABO	60
41. Slope Protection		N-NONE	28	42. Summary		DIVE DT=N/A
3						
CULVERTS						
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
1						
CHANNEL				5-RIP RAP (DUMPED ROCK OR ROCK)		
51. Alignment		33	1	52. Protection		67
53. Waterway Adequacy		34	1	54. Summary		68
8						
APPROACHES						
55. Pavement	2-BITUMINOUS	35	4	56. Approach Slabs		69
57. Guardrail		N-NONE	36	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=24.0	37	2	60. Summary		PCT.LEGAL=0
3						
GENERAL				ROUTINE.RESP: 3-COUNTY		
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports		MVC ON=9999 UND=0000	39	64. Utilities		73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74
COND		STAT				
2		K				

67. INSPECTED BY68. REVIEWED BY

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BRIDGE INSPECTION REPORT

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4	7	4	1	4	2	0
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1

Structure File Number

7

Bridge Number

LOR

00231

CO

ROUTE

UNIT

Date Built

07/01/1923 - 1968

District

03

Bridge Type

CONCRETE/ARCH/OTHER

Type Service

1

1

5

WB BLACK RV(CLOSED HIST)

00

NO REMARKS FOUND FOR THIS INSPECTION.