

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] Marion County [101] Richland [66754] .5 MI N OF JCT TR 149 40-35-48 = 40.596667 083-02-27 = - 83.040833

5132428 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! COUNTY ROAD 141 Toll On free road [3] Features intersected BR OVER OLENTANGY RIVER

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

1 Truss - Thru [10] 0 Other [00] Year built 1937 Year reconstructed 1987

Skew angle 0 Structure Flared

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

Total length 58.8 m = 192.9 ft Length of maximum span 57.3 m = 188.0 ft Deck width, out-to-out 10.7 m = 35.1 ft Bridge roadway width, curb-to-curb 8.7 m = 28.5 ft

Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Not applicable [N]

Type of wearing surface Other [9]

Deck protection Not applicable (applies only to structures with no deck) [N]

Type of membrane/wearing surface Other [9]

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 10.7 metric ton = 11.8 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 14.3 metric ton = 15.7 tons

Bridge posting Design Load M 18 / H 20 [4]

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="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="34.5"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="September 2010 [0910]"/>	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="Every year [Y12]"/>	Fracture critical inspection date	<input type="text" value="September 2010 [0910]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	1	3	2	4	2	8
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Bridge Number **MAR C141E 0410**
CO ROUTE UNIT

RICHLAND TWP

Date Built **07/01/1937 - 1987**

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

Type Service **1 15 BR OVER OLENTANGY RIVER**

MAR

DECK		Out/Out 16.0			THCK = 1.0		
1. Floor		N-NONE 8		2. Wearing Surface	B-CHIP & SEAL OVERLAY 41		2
		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	0-OTHER-NATURAL(OFF THE		43
7. Expansion Joints		2-SLIDING METAL PLATE AN 11	2	8. Summary			44
SUPERSTRUCTURE		MAX.SPAN=188					
9. Alignment			1	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES		45
		TOT.LGTH=193					
11. Diaphragms or Crossframes				12. Joists/Stringers			46
13. Floor Beams			2	14. Floor Beam Connections			47
15. Verticals			2	16. Diagonals			48
17. End Posts			2	18. Top Chord			49
19. Lower Chord			3	20. Lower Lateral Bracing			50
21. Top Lateral Bracing				22. Sway Bracing			51
23. Portals			2	24. Bearing Devices	1-ROLLERS N-NONE		52
25. Arch				26. Arch Columns or Hangers			53
27. Spandrel Walls				28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1987		54
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections			55
31. Live Load Response			E	32. Summary			56
SUBSTRUCTURE		2-CONCRETE			PIERS=0		SPANS = 1
33. Abutments		2-CONCRETE 24	2	34. Abutment Seats			57
35. Piers		TYPE = N-NONE 25		36. Pier Seats			58
37. Backwalls			2	38. Wingwalls	ABUTMENT:=SPREAD / SPREAD		59
39. Fenders and Dolphins				40. Scour	5-STABLE: SCOUR WITHIN L 60		60
41. Slope Protection		N-NONE 28		42. Summary	DIVE DT=N/A		62
CULVERTS							
43. General				44. Alignment			63
45. Shape				46. Seams			64
47. Headwalls or Endwalls				48. Scour			65
49.				50. Summary			66
CHANNEL							
51. Alignment			1	52. Protection	N-NONE		67
53. Waterway Adequacy			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=15.4 37	2	60. Summary	PCT.LEGAL=50		71
GENERAL							
61. Navigation Lights				62. Warning Signs	ROUTINE.RESP: 3-COUNTY MAINT.RESP: 3-COUNTY		72
63. Sign Supports		MVC ON=11.5 UND=0000		64. Utilities			73
65. Vertical Clearance			1	66. General Appraisal & Operational Status			74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

7 4 7 0 5
76 PE

B J D
78 INITIALS

SIGNED

5 6 3 7 8
81 PE

B I
83 INITIALS

DOT 2852

DECK AREA 3,089

Date 0 9 1 3 1 1
86 91

1 1 1 1 N 1 N 0
92 69 Survey 99

Date 0 9 1 4 1 1
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	1	3	2	4	2	8
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1 Structure File Number 7

Bridge Number **MAR C141E 0410**
CO ROUTE UNIT

Date Built 07/01/1937 - 1987

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

Type Service **1 15**

BR OVER OLENTANGY RIVER

00 NO REMARKS FOUND FOR THIS INSPECTION.

Unit of Measure: **English**
Structure File Number **5132428**
Sufficiency Rating: **18.2 SD**

Bridge Inventory Information
Inventory Bridge Number: **MAR C141E 0410**
ON BR OVER OLENTANGY RIVER

Report Date **08/21/2012** BM-191 Page: 1 of 2
BR. Type STEEL / TRUSS / THRU
Date of Last Inventory Update: **10/25/2011**

District: **06** County **MARION** (101) Location: **.5 MI N OF JCT TR 149** (102) Facility Carried: **COUNTY ROAD 141**
(2) FIPS Code: **RICHLAND TWP** (103) Route On Bridge: **COUNTY** (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 / THRU**
Route No.: **C141E** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **188 Ft** (66) Overall Leng: **193 Ft**

(4) Feature Intersected: **BR OVER OLENTANGY RIVER** (70) Substructure (71) Foundation and Scour Information
(5) County: **MAR** Mileage: **0410** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**
(6) Avg. Daily Traffic(ADT): **460** (7) ADT Year: **2009** Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **SPREAD FOOTING**
(8) Truck Traf: **27** (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: **NONE**
(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: (189) Date of last Dive Insp: (152) Drainage Area: **UUU Sq Mi**
(27) Truck Traf: **0** (28) NHS: - (29) Corridor: (156) Min. Horiz Under Clear: **NC: 0.0 Ft** Card: **0.0 Ft**
(30) Functional Class: (36) Strahnt: **Not Applicable** (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: **28.0 Ft**
(155) Prac Max Vert On Brg: **14.0 Ft**
(67) Min Vrt Clr On Brg: **NC: 0.0 Ft** Card: **11.5 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: **40 Deg 35.8 Min** Longitude: **83 Deg 2.5 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1937** (42) Major Rehabilitation: **01/01/1987**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0 Deg**
(49) App. Rdw Width: **18 Ft** (50) Brg. Rdw Width: **15.4 Ft**
(51) Deck Width: **16.0 Ft** Deck Area: **3089 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: **non-composite**

(58) Railing: **STL GUARDRL ON STL, CONCR, OR TMBR POSTS**
(59) Deck Drainage: **OTHER-NATURAL(OFF THE BRIDGE ENDS)**
(60) Deck Type: **NONE**
(61) Deck Protection: External: **OTHER**
Internal: **NONE**
(62) Wearing Surface: **CHIP & SEAL OVERLAY**
Thickness: **1.0 in** (119) Date of Wearing Surface: **01/01/1987**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

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**

Load Rating Information (88-89) Appraisal
(48) Design Load: **H/20** (Including calculated Items)
(83) Operating: **16 Ton**
Inventory: **12 Ton**
Ohio Percent of Legal Load **50** (88) Waterway Adequacy **8**
Year of Rating: **2011** (89) Approach Alignment **6**
(84) Analysis: **WORKING STRESS (WS)** Calc Gen Appraisal: **3**
(85) Rate Soft: **BARS Analyzed by: DGB** Calc Deck Geometry: **2**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

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

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/NONE**
(126) Navigation: **Control- N** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**
(193) Spec Insp: **N** Freq: **0** Date: **2011-09-13**
(188) Fracture Critical Insp: **Y** Freq: **12** Date: **2011-09-13**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **A36** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0 pounds** Prime Loc: **SHOP**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **5132428**
 Sufficiency Rating: **18.2 SD**

Bridge Inventory Information
 Inventory Bridge Number: **MAR C141E 0410**
ON BR OVER OLENTANGY RIVER

Report Date **08/21/2012** **BM-191** Page: 2 of 2
BR. Type STEEL/TRUSS/THRU
 Date of Last Inventory Update: **10/25/2011**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: WORKS PROJECT ADMINISTRATION		Hist Build Year: 1937		(143) Contractor:			
(69) Hist Type: PARKER (PINNED)				(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		Plan Information Available: 1PLAN INFORMATION AVAILABLE			
(90) Type Work: -		PID Number:		(153) Repair Projects			
(90) Length: Ft		PID Status:		1. / MMM		2. / 020	
(90) Bridge Cost (\$1000s): 0		PID Date:		4.		6.	
(90) Roadway Cost (\$1000s): 0				7.		8.	
(90) Total Project Cost (\$1000s): 0		(90) Year:		10.		9.	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2031					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 7	Railings: 1 MEETS CURRENT STANDARDS	(46) Electric: U	(161) Lighting: N	Gas: U	Fencing: N		
(I-32) Superstructure: 4	Transitions: 1 MEETS CURRENT STANDARDS	Sanitary Sewer: U	Glare-Screen: N	Telephone: U	Splash-Guard: N		
(I-42) Substructure: 5	Guardrail: 1 MEETS CURRENT STANDARDS	TV Cable: U	Catwalks: N	Water: U	Other-Feat: U		
(I-50) Culvert:	Rail Ends: 1 MEETS CURRENT STANDARDS	Other: U	(184) Signs-on: N				
(I-54) Channel: 8	In Depth: N NONE N/A	(162) Fence-Ht: 0.0 Ft					
(I-60) Approaches: 6	Fracture Critical: 1 MEETS CURRENT STANDARDS	(163) Noise Barr: N					
(I-66) General Appraisal: 4	Scour Critical: N NONE N/A						
(I-66) Operational Status: P	Critical Findings: 0 DOES NOT MEET CURRENT STANDARDS						
Inspection Date: 09/13/2011	Insp. Update Date: 10/03/2011						
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -		-		INV Field Bridge Marker: MAR-C141E-0041 -			
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%