

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]	Morrow County [117]	Lincoln [43680]	.3 MI.E.INT.CR24 & TR161	40-26-06 = 40.435000	082-50-18 = - 82.838333
5931622	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	TR161	Toll On free road [3]	Features intersected	ALUM CREEK	
Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Truss - Thru [10]	0 Other [00]	Year built #Num!	Year reconstructed	1990
			Skew angle	0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	12.8 m = 42.0 ft	Length of maximum span	12.5 m = 41.0 ft	Deck width, out-to-out	3.8 m = 12.5 ft
Inventory Route, Total Horizontal Clearance	3.6 m = 11.8 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	Wood or Timber [7]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	7.5 metric ton = 8.3 tons
1 km = 0.6 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	12.3 metric ton = 13.5 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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of corrective action [3]

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 condition. [5]

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

14

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

November 2010 [1110]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

November 2009 [1109]

Other special inspection

Not needed [N]

Other special inspection date

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	1	6	2	2
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Bridge Number **MRW T0161 00025 23** LINCOLN TWP
CO ROUTE UNIT

Date Built **07/01/1900 - 1990**

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15 ALUM CREEK**

MRW

DECK		Out/Out 12.3	2	THCK = 0.0	1
1. Floor	2-LAMINATED TIMBER STRIP	8	2	2. Wearing Surface	7-TIMBER 41
		N-NONE		W.S. Date =	
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median	42
5. Railing		8-TIMBER	10	6. Drainage	1-OVER THE SIDE (W/O DRI) 43
7. Expansion Joints		N-NONE	11	8. Summary	44
SUPERSTRUCTURE		MAX.SPAN=41	2		
9. Alignment			12	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES) 45
		TOT.LGTH=42			
11. Diaphragms or Crossframes			13	12. Joists/Stringers	46
13. Floor Beams			14	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			23	32. Summary	56
SUBSTRUCTURE		1-STONE	3	PIERS=0	SPANS = 1
33. Abutments		1-STONE	24	34. Abutment Seats	57
35. Piers		TYPE = N-NONE	25	36. Pier Seats	58
37. Backwalls			26	38. Wingwalls	ABUTMENT:=UNKNOWN / UNKNOWN 59
39. Fenders and Dolphins			27	40. Scour	5-STABLE: SCOUR WITHIN L 60
41. Slope Protection		N-NONE	28	42. Summary	DIVE DT=N/A 62
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
CHANNEL					
51. Alignment			33	52. Protection	N-NONE 67
53. Waterway Adequacy			34	54. Summary	68
APPROACHES					
55. Pavement		2-BITUMINOUS	35	56. Approach Slabs	69
57. Guardrail		N-NONE	36	58. Relief Joints	70
59. Embankment		BRDG.WIDTH=11.7	37	60. Summary	PCT.LEGAL=35 71
GENERAL					
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			40	66. General Appraisal & Operational Status	74

67. INSPECTED BY

68. REVIEWED BY

SIGNED _____ 76 PE

 78 INITIALS

SIGNED _____ 81 PE

 83 INITIALS

DOT 2852

DECK AREA 517

Date

86 91

92 69 Survey 99

Date

100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	1	6	2	2
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1 Structure File Number 7

Bridge Number **MRW T0161 00025 23**
CO ROUTE UNIT

Date Built 07/01/1900 - 1990

District **06** Bridge Type **WROUGHT IRON/TRUSS/THRU**

Type Service **1 15**

ALUM CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.

Unit of Measure: **English**
Structure File Number **5931622**
Sufficiency Rating: **14.0 SD**

Bridge Inventory Information
Inventory Bridge Number: **MRW T0161 00025 23**
ON ALUM CREEK

Report Date **08/21/2012** BM-191 Page: 1 of 2
BR. Type WROUGHT IRON / TRUSS / THRU
Date of Last Inventory Update: **03/20/2012**

District: **06** County **MORROW** (101) Location: **.3 MLE.INT.CR24 & TR161** (102) Facility Carried: **TR161**
(2) FIPS Code: **LINCOLN TWP** (103) Route On Bridge: **TOWNSHIP** (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**
Route No.: **T0161** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **ALUM CREEK**
(5) County: **LIN** Mileage: **00025** Special Desig: **23**
(6) Avg. Daily Traffic(ADT): **300** (7) ADT Year: **1992**
(8) Truck Traf: **6** (14) NHS: **NO - X** (15) Corridor: **N**
(16) Functional Class: **LOCAL ROAD-RURAL** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: 1 Type: **WROUGHT IRON / TRUSS / THRU**
Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **41 Ft** (66) Overall Leng: **42 Ft**

Intersected Route Data

(22) Route On/Under: Hwy Sys:
Route No.: Dir: Des: Pref:
(23) Feature Intersected:
(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**

(70) Substructure (71) Foundation and Scour Information
Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Abut-Fwd Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
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)**
No of Piers Predominate: **NN** Other: **NN** Other: **NN**
(86) Stream Velocity: **UUU** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**
(189) Dive: **N Freq: 0** Probe: **Y Freq: 12** (75) Chan Prot: **NONE**
(189) Date of last Dive Insp: (152) Drainage Area: **UUU Sq Mi**

Clearance On the Bridge

(154) Min Hriz on Bridge: NC: **0.0 Ft** Card: **11.7 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: **0.0 / 0.0 Ft**
(81) Vrt Clr Lft: **0.0 Ft**

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**

Structure Information

(38) Bypass Length: **06 Miles**
(39) Latitude: **40 Deg 26.1 Min** Longitude: **82 Deg 50.3 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1900** (42) Major Rehabilitation: **01/01/1990**
(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: **11.7 Ft**
(51) Deck Width: **12.3 Ft** Deck Area: **517 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: **TIMBER**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **LAMINATED TIMBER STRIP**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **TIMBER**
Thickness: **0.0 in** (119) Date of Wearing Surface:
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

Load Rating Information (88-89) Appraisal

(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)
(83) Operating: **4 Ton**
Inventory: **3 Ton**
Ohio Percent of Legal Load **35** (88) Waterway Adequacy **8**
Year of Rating: **2010** (89) Approach Alignment **3**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **3**
(85) Rate Soft: **COMBINATION** Analyzed by: **ALP** Calc Deck Geometry: **2**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Approach Information

(109) Approach Guardrail: **NONE**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **CRITICAL**

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: **NONE**
(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: **Y** Freq: **24** Date: **2010-08-16**
(138) Long Member: **TWO TRUSSES (RIVETED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**
Railing: **OTHER**
Paint: **NONE**
Pay Wt: **0 pounds** Prime Loc: **NONE**
Bridge Dedicated Name:

Unit of Measure: **English**
 Structure File Number **5931622**
 Sufficiency Rating: **14.0 SD**

Bridge Inventory Information
 Inventory Bridge Number: **MRW T0161 00025 23**
ON ALUM CREEK

Report Date **08/21/2012** BM-191 Page: 2 of 2
 BR. Type **WROUGHT IRON/TRUSS/THRU**
 Date of Last Inventory Update: **03/20/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC (---) Hist Builder: UNKNOWN Hist Build Year: 1890 (69) Hist Type: PRATT (PINNED) (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:		(69) NBIS: Y		(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 (153) Repair Projects			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number:		1. / 020			
(90) Length: Ft		PID Status:		2. / MMM			
(90) Bridge Cost (\$1000s): 0		PID Date:		3.			
(90) Roadway Cost (\$1000s): 0				4.			
(90) Total Project Cost (\$1000s): 0		(90) Year:		5.			
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033		6.			
				7.			
				8.			
				9.			
				10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 6	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: N	(161) Lighting: N				
(I-32) Superstructure: 4	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Gas: N	Fencing: N				
(I-42) Substructure: 3	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: N	Glare-Screen: N				
(I-50) Culvert:	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Telephone: N	Splash-Guard: N				
(I-54) Channel: 6	In Depth: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: N	Catwalks: N				
(I-60) Approaches: 4	Fracture Critical: N NONE N/A	Water: N	Other-Feat: N				
(I-66) General Appraisal: 3	Scour Critical: N NONE N/A	Other: N	(184) Signs-on: N				
(I-66) Operational Status: P	Critical Findings: N NONE N/A		Signs-Under: N				
Inspection Date: 12/21/2011	Insp. Update Date: 03/13/2012		(162) Fence-Ht: 0.0 Ft				
(94) Desig Insp Freq: 12 Months			(163) Noise Barr: N				
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:		MRW-T0161-00025-23			
		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%