

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] Morrow County [117] Harmony [33600] 1.3MI.E.INT.TR234 & TR121 40-30-24 = 40.506667 082-44-42 = - 82.745000

5931290 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! TR121 Toll On free road [3] Features intersected KOKOSING RIVER

Design - main Aluminum, Wrought Iron or Cast Iron [9] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built #Num! Year reconstructed 2002

Skew angle 17 Structure Flared

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

Total length 12.5 m = 41.0 ft Length of maximum span 11.6 m = 38.1 ft Deck width, out-to-out 4.2 m = 13.8 ft Bridge roadway width, curb-to-curb 4.2 m = 13.8 ft

Inventory Route, Total Horizontal Clearance 4.2 m = 13.8 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 0.6 km = 0.4 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 6.5 metric ton = 7.2 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 10.7 metric ton = 11.8 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

Serious [3]

Appraisal ratings -  
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Poor [4]

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 protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy

Equal to present minimum criteria [6]

Status evaluation

Pier or abutment protection

Sufficiency rating

20.4

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

Unit of Measure: **English**  
Structure File Number **5931290**  
Sufficiency Rating: **20.4 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **MRW T0121 02390 36**  
**ON KOKOSING RIVER**

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: **1.3MI.E.INT.TR234 & TR121** (102) Facility Carried: **TR121**  
(2) FIPS Code: **HARMONY 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** (63) Main Spans Number: 1 Type: **WROUGHT IRON / TRUSS / THRU**  
Route No.: **T0121** Dir: Des: **MAINLINE** Pref: Approach Spans Number: **0** Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **38** Ft (66) Overall Leng: **41** Ft

(4) Feature Intersected: **KOKOSING RIVER** (70) Substructure (71) Foundation and Scour Information  
(5) County: **HAR** Mileage: **02390** Special Desig: **36** Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
(6) Avg. Daily Traffic(ADT): **150** (7) ADT Year: **1992** Abut-Fwd Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
(8) Truck Traf: **3** (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:  
(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: **13.6** 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

**Structure Information**  
(38) Bypass Length: **04** Miles  
(39) Latitude: **40 Deg 30.4 Min** Longitude: **82 Deg 44.7 Min**  
(40) Toll: **ON FREE ROAD**  
(41) Date Built: **07/01/1900** (42) Major Rehabilitation: **02/08/2002**  
(43) No. Lanes On: **1** No. Lanes Under: **0**  
(44) Horiz Curve: **Deg. Min.** (45) Skew: **17** Deg  
(49) App. Rdw Width: **17** Ft (50) Brg. Rdw Width: **13.6** Ft  
(51) Deck Width: **13.8** Ft Deck Area: **570** 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: **STEEL POST & STEEL PANEL (DECORATIVE)**  
(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: **4** Ton  
Ohio Percent of Legal Load **30** (88) Waterway Adequacy **6**  
Year of Rating: **2010** (89) Approach Alignment **5**  
(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: **GRAVEL** (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: **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: **2010-08-13**  
(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: **UNKNOWN**  
Bridge Dedicated Name:

Unit of Measure: **English**  
 Structure File Number **5931290**  
 Sufficiency Rating: **20.4 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **MRW T0121 02390 36**  
**ON KOKOSING RIVER**

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: <b>NOT HISTORIC</b>		(69) NBIS: <b>Y</b>		(142) Fabricator: <b>OHIO BRIDGE CO</b>			
(---) Hist Builder: <b>MASSILLON BRIDGE COMPANY</b>		Hist Build Year: <b>1900</b>		(143) Contractor: <b>OHIO BRIDGE CO</b>			
(69) Hist Type: <b>PRATT (PINNED)</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:		<b>1. / 004</b>		<b>2. / 004</b>	
(90) Roadway Cost (\$1000s): <b>0</b>				4.		5.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		7.		8.	
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2029</b>		10.		9.	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>6</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>0 DOES NOT MEET CURRENT STANDARDS</b>	Gas: <b>N</b>	Fencing: <b>N</b>				
(I-42) Substructure: <b>4</b>	Guardrail: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Sanitary Sewer: <b>N</b>	Glare-Screen: <b>N</b>				
(I-50) Culvert:	Rail Ends: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Telephone: <b>N</b>	Splash-Guard: <b>N</b>				
(I-54) Channel: <b>5</b>	In Depth: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	TV Cable: <b>N</b>	Catwalks: <b>N</b>				
(I-60) Approaches: <b>4</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>12/19/2011</b>	Insp. Update Date: <b>03/13/2012</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: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:							
The bridge was copied from:				INV Field Bridge Marker:		<b>MRW-T0121-02390-36</b>	
				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%

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5	9	3	1	2	9	0
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Bridge Number **MRW T0121 02390 36** HARMONY TWP  
CO ROUTE UNIT

Date Built **07/01/1900 - 2002**

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

Type Service **1 15 KOKOSING RIVER**

**MRW**

<b>DECK</b>		Out/Out 13.8			THCK = 0.0	
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	6-STEEL POST & STEEL PAN	10	2	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	N-NONE	11		<b>8. Summary</b>		44
<b>SUPERSTRUCTURE</b>		MAX.SPAN=38				
9. Alignment		12	3	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
11. Diaphragms or Crossframes	TOT.LGTH=41	13		12. Joists/Stringers		46
13. Floor Beams		14	2	14. Floor Beam Connections		47
15. Verticals		15	2	16. Diagonals		48
17. End Posts		16	3	18. Top Chord		49
19. Lower Chord		17	2	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 = 01/01/1975	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	E	<b>32. Summary</b>		56
<b>SUBSTRUCTURE</b>		1-STONE		PIERS=0	SPANS = 1	
33. Abutments	1-STONE	24	3	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	2	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		<b>42. Summary</b>	DIVE DT=N/A	62
<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>					N-NONE	
51. Alignment		33	2	52. Protection		67
53. Waterway Adequacy		34	3	<b>54. Summary</b>		68
<b>APPROACHES</b>						
55. Pavement	4-GRAVEL	35	2	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=13.6	37	3	<b>60. Summary</b>	PCT.LEGAL=30	71
<b>GENERAL</b>					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	<b>66. General Appraisal &amp; Operational Status</b>		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

4 8 5 7 3  
76 PE

D H G  
78 INITIALS

SIGNED

4 5 8 5 8  
81 PE

L R B  
83 INITIALS

DOT 2852

DECK AREA 570

Date 1 2 1 9 1 1  
86 91

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

Date 0 3 0 6 1 2  
100 105

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5	9	3	1	2	9	0
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1 Structure File Number 7

Bridge Number **MRW T0121 02390 36**  
CO ROUTE UNIT

**Date Built 07/01/1900 - 2002**

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

Type Service **1 15**

**KOKOSING RIVER**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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