

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] Washington [81508] .6 MI.E.INT.SR61 & CR61 40-36-24 = 40.606667 082-48-42 = - 82.811667

5930030 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! CR61 Toll On free road [3] Features intersected WHETSTONE CREEK

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 2001

Skew angle 0 Structure Flared

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

Total length 21.9 m = 71.9 ft Length of maximum span 21.6 m = 70.9 ft Deck width, out-to-out 4.9 m = 16.1 ft Bridge roadway width, curb-to-curb 4.9 m = 16.1 ft

Inventory Route, Total Horizontal Clearance 4.9 m = 16.1 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Corrugated Steel [6]

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 8.7 metric ton = 9.6 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 14.3 metric ton = 15.7 tons

Bridge posting Design Load

### Functional Details

Average Daily Traffic	350	Average daily truck traffi	1	%	Year	1992	Future average daily traffic	486	Year	2027	
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	6.1 m = 20.0 ft				
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		Bridge median					
Parallel structure designation	No parallel structure exists. [N]										
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control					
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A							
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft							
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]										
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]							
Appraisal ratings - underclearances	N/A [N]										

### Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by owner's forces [2]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	\$8,000	Roadway improvement cost	\$1,000						
	Length of structure improvement	21.6 m = 70.9 ft		Total project cost	\$10,000					
	Year of improvement cost estimate	2003								
	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 replacement [2]

Condition ratings - superstructure

Satisfactory [6]

Appraisal ratings -  
roadway alignment

Basically intolerable requiring high priority of replacement [2]

Condition ratings - substructure

Fair [5]

Appraisal ratings -  
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Good [7]

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

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

27.3

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

December 2010 [1210]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

December 2009 [1209]

Other special inspection

Not needed [N]

Other special inspection date

Unit of Measure: **English**  
Structure File Number **5930030**  
Sufficiency Rating: **27.3 SD**

**Bridge Inventory Information**  
Inventory Bridge Number: **MRW C0061 05704 15**  
**ON WHETSTONE 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: **.6 MLE.INT.SR61 & CR61** (102) Facility Carried: **CR61**  
(2) FIPS Code: **WASHINGTON 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: **WROUGHT IRON / TRUSS / THRU**  
Route No.: **C0061** Dir: Des: **MAINLINE** Pref: Approach Spans Number: **0** Type: **NONE / NONE / NONE**  
Total Spans: 1 (65) Max Span: **71 Ft** (66) Overall Leng: **72 Ft**

(4) Feature Intersected: **WHETSTONE CREEK** (70) Substructure (71) Foundation and Scour Information  
(5) County: **WAS** Mileage: **05704** Special Desig: **15** Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
(6) Avg. Daily Traffic(ADT): **350** (7) ADT Year: **1992** Abut-Fwd Matl: **OTHER** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**  
(8) Truck Traf: **4** (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: **OTHER-GRASS, BUSHES & TREES**  
(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: **16.0 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 36.4 Min** Longitude: **82 Deg 48.7 Min**  
(40) Toll: **ON FREE ROAD**  
(41) Date Built: **07/01/1900** (42) Major Rehabilitation: **01/01/2001**  
(43) No. Lanes On: **1** No. Lanes Under: **0**  
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0 Deg**  
(49) App. Rdw Width: **20 Ft** (50) Brg. Rdw Width: **16.0 Ft**  
(51) Deck Width: **16.0 Ft** Deck Area: **1152 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**

**Load Rating Information** (88-89) Appraisal  
(48) Design Load: **UNKNOWN [DEFAULT]** (Including calculated Items)  
(83) Operating: **16 Ton**  
Inventory: **12 Ton**  
Ohio Percent of Legal Load **55** (88) Waterway Adequacy **6**  
Year of Rating: **2010** (89) Approach Alignment **2**  
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **2**  
(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: **POOR**

**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: **2010-08-10**  
(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 **5930030**  
 Sufficiency Rating: **27.3 SD**

**Bridge Inventory Information**  
 Inventory Bridge Number: **MRW C0061 05704 15**  
**ON WHETSTONE 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: <b>NOT HISTORIC</b>		(69) NBIS: <b>Y</b>		(142) Fabricator: <b>OHIO BRIDGE CO</b>			
(---) Hist Builder: <b>UNKNOWN</b>		Hist Build Year: <b>1920</b>		(143) Contractor: <b>OHIO BRIDGE CO</b>			
(69) Hist Type: <b>WARREN (RIVETED)</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: <b>31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM</b>		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>MMM</b>	2. / <b>020</b>	3. / <b>020</b>	
(90) Roadway Cost (\$1000s): <b>0</b>				4. / <b>039</b>	5.	6.	
(90) Total Project Cost (\$1000s): <b>0</b>		(90) Year:		7.	8.	9.	
(91) Future ADT (On Bridge): <b>0</b>		(92) Year of Future ADT: <b>2033</b>		10.			
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: <b>7</b>	Railings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	(46) Electric: <b>N</b>	(161) Lighting: <b>N</b>				
(I-32) Superstructure: <b>6</b>	Transitions: <b>0 DOES NOT MEET CURRENT STANDARDS</b>	Gas: <b>N</b>	Fencing: <b>N</b>				
(I-42) Substructure: <b>5</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>1 MEETS CURRENT STANDARDS</b>	Water: <b>N</b>	Other-Feat: <b>N</b>				
(I-66) General Appraisal: <b>5</b>	Scour Critical: <b>1 MEETS CURRENT STANDARDS</b>	Other: <b>N</b>	(184) Signs-on: <b>N</b>				
(I-66) Operational Status: <b>P</b>	Critical Findings: <b>0 DOES NOT MEET CURRENT STANDARDS</b>		Signs-Under: <b>N</b>				
Inspection Date: <b>12/29/2011</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: -				INV Field Bridge Marker: <b>MRW-C0061-05704-15</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

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

Bridge Number **MRW C0061 05704 15** WASHINGTON TWP  
CO ROUTE UNIT

Date Built **07/01/1900 - 2001**

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

Type Service **1 15 WHETSTONE CREEK**

**MRW**

<b>DECK</b>		Out/Out 16.0	1	THCK = 2.0		2
1. Floor	6-CORRUGATED STEEL PLATE 8			2. Wearing Surface	6-BITUM (ASPHLT CONCRT) 41	
		N-NONE		W.S. Date = 01/01/1984		
3. Curbs, Sidewalks, Walkways	N-NONE 9			4. Median		42
5. Railing	6-STEEL POST & STEEL PAN 10		1	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=71	2	10. Beams/Girders/Slab N-N/A (CULVERTS, TRUSSES		45
9. Alignment				12. Joists/Stringers		46
		TOT.LGTH=72		14. Floor Beam Connections		47
11. Diaphragms or Crossframes			2	16. Diagonals		48
13. Floor Beams			2	18. Top Chord		49
15. Verticals			2	20. Lower Lateral Bracing		50
17. End Posts			2	22. Sway Bracing		51
19. Lower Chord			2	24. Bearing Devices		52
				A-SLIDING (OTHER)		
23. Portals				N-NONE		53
25. Arch				26. Arch Columns or Hangers		54
				TYPE = N-NONE		
27. Spandrel Walls				DATE = 01/01/2001		55
29. Pins/Hangers/Hinges				30. Fatigue Prone Connections		56
31. Live Load Response			S	<b>32. Summary</b>		57
<b>SUBSTRUCTURE</b>		0-OTHER	2	PIERS=0		3
33. Abutments	1-STONE 24			34. Abutment Seats		58
35. Piers	TYPE = N-NONE 25			36. Pier Seats		59
				ABUTMENT:=UNKNOWN / UNKNOWN		
37. Backwalls			1	38. Wingwalls		60
39. Fenders and Dolphins				40. Scour		61
				5-STABLE: SCOUR WITHIN L 60		
41. Slope Protection	N-NONE 28			<b>42. Summary</b>		62
				DIVE DT=N/A		
<b>CULVERTS</b>				44. Alignment		63
43. General				46. Seams		64
45. Shape				48. Scour		65
47. Headwalls or Endwalls				50. Summary		66
49.						
<b>CHANNEL</b>				0-OTHER-GRASS, BUSHES & TREES		2
51. Alignment			1	52. Protection		67
53. Waterway Adequacy			2	<b>54. Summary</b>		68
<b>APPROACHES</b>				56. Approach Slabs		69
55. Pavement	2-BITUMINOUS 35		2	58. Relief Joints		70
57. Guardrail	N-NONE 36			<b>60. Summary</b>		71
59. Embankment	BRDG.WIDTH=16.0 37		3	PCT.LEGAL=55		
<b>GENERAL</b>				ROUTINE.RESP: 3-COUNTY		2
61. Navigation Lights				MAINT.RESP: 3-COUNTY		72
63. Sign Supports	MVC ON=9999 UND=0000			64. Utilities		73
65. Vertical Clearance			N	<b>66. General Appraisal &amp; Operational Status</b>		74
				COND 5		STAT P

67. INSPECTED BY

68. REVIEWED BY

SIGNED

4 5 8 5 8  
76 PE

L R B  
78 INITIALS

SIGNED

4 5 8 5 8  
81 PE

L R B  
83 INITIALS

DOT 2852

DECK AREA 1,152

Date 1 2 2 9 1 1  
86 91

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

Date 0 2 1 4 1 2  
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
**BRIDGE INSPECTION REPORT**

BR-86 REV 02-95

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

Bridge Number **MRW C0061 05704 15**  
CO ROUTE UNIT

**Date Built 07/01/1900 - 2001**

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

Type Service **1 15**

**WHETSTONE CREEK**

00 NO REMARKS FOUND FOR THIS INSPECTION.

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