

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] Westfield [83454] .4 MI. N DELAWARE CO LINE 40-25-30 = 40.425000 083-00-36 = - 83.010000

5930154 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! CR146 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 1913 Year reconstructed 1950

Skew angle 0 Structure Flared

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

Total length 33.8 m = 110.9 ft Length of maximum span 33.2 m = 108.9 ft Deck width, out-to-out 4.3 m = 14.1 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 Corrugated Steel [6]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.8 km = 0.5 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 3.6 metric ton = 4.0 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 3.6 metric ton = 4.0 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 replacement [2]

Condition ratings - superstructure

Critical [2]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of replacement [2]

Condition ratings - substructure

Serious [3]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Fair [5]

Scour

Bridge foundations determined to be stable for assessed or calculated scour condition. [5]

Channel and channel protection

Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy

Basically intolerable requiring high priority of corrective action [3]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

0

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 **5930154**
Sufficiency Rating: **00.0 SD**

Bridge Inventory Information
Inventory Bridge Number: **MRW C0146 00436 13**
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: .4 MI. N DELAWARE CO LINE	(102) Facility Carried: CR146
(2) FIPS Code: WESTFIELD 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	(Under): WATERWAY

Inventory Route Data		(63) Main Spans Number: 1	Type: WROUGHT IRON / TRUSS / THRU
(3) Route On/Under: ON	Hwy Sys: COUNTY/TOWNSHIP HIGHWAY	Approach Spans Number: 0	Type: NONE / NONE / NONE
Route No.: C0146	Dir: Des: MAINLINE Pref:	Total Spans: 1	(65) Max Span: 109 Ft
(4) Feature Intersected: WHETSTONE CREEK			(66) Overall Leng: 111 Ft

(5) County: WES	Mileage: 00436	Special Desig: 13	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 350	(7) ADT Year: 1992		Abut-Rear Matl: CONCRETE AND STONE	Type: GRAVITY
(8) Truck Traf: 5	(14) NHS: NO - X	(15) Corridor: N	Abut-Fwd Matl: CONCRETE AND STONE	Type: GRAVITY
(16) Functional Class: LOCAL ROAD-RURAL	(19) Strahnt: Not Applicable		Pier-Pred Matl: NONE	Type: NONE
			Pier-Other Matl: NONE	Type: NONE
			Pier-Other Matl: NONE	Type: NONE
			No of Piers Predominate: 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
			(189) Date of last Dive Insp:	(75) Chan Prot: NONE
				(152) Drainage Area: 106 Sq Mi

Intersected Route Data		Clearance Under the Bridge	
(22) Route On/Under:	Hwy Sys:	(156) Min. Horiz Under Clear:	NC: 0.0 Ft
Route No.: Dir:	Des: Pref:	(157) Prac Max Vrt Under Clear:	0.0 Ft
(23) Feature Intersected:		(77) Min Vert Under Clear:	NC: 0.0 Ft
(24) County:	Mileage:	(78) Min Lat Under Clear:	NC: 0.0 / 0.0 Ft
(25) Avg. Daily Traffic(ADT): 0	(26) ADT Year:		
(27) Truck Traf: 0	(28) NHS: -		
(30) Functional Class:	(29) Corridor:		
	(36) Strahnt: Not Applicable		

Clearance On the Bridge		(88-89) Appraisal	
(154) Min Hriz on Bridge:	NC: 0.0 Ft	Card: 13.8 Ft	
(155) Prac Max Vert On Brg:	9.5 Ft		
(67) Min Vrt Clr On Brg:	NC: 0.0 Ft	Card: 9.5 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		Load Rating Information	
(38) Bypass Length: 05 Miles		(48) Design Load: UNKNOWN [DEFAULT]	(Including calculated Items)
(39) Latitude: 40 Deg 25.5 Min	Longitude: 83 Deg 0.6 Min	(83) Operating: 4 Ton	
(40) Toll: ON FREE ROAD		Inventory: 4 Ton	
(41) Date Built: 07/01/1913	(42) Major Rehabilitation: 01/01/1950	Ohio Percent of Legal Load 0	(88) Waterway Adequacy 3
(43) No. Lanes On: 1	No. Lanes Under: 0	Year of Rating: 2011	(89) Approach Alignment 2
(44) Horiz Curve: Deg. Min.	(45) Skew: 0 Deg	(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]	Calc Gen Appraisal: 0
(49) App. Rdw Width: 16 Ft	(50) Brg. Rdw Width: 13.8 Ft	(85) Rate Soft: NO SOFTWARE USED Analyzed by:	Calc Deck Geometry: 0
(51) Deck Width: 14.0 Ft	Deck Area: 1550 Sq. Ft	Analysis on Bars: NOT ON BARS [DEFAULT]	Calc Underclearance: N

Approach Information	
(52) Median Type: NONE / NON BARRIE / NO JOINT	(109) Approach Guardrail: STEEL BEAM
(53) Bridge Median: NO MEDIAN	(110) Approach Pavement: BITUMINOUS
(54) Sidewalks: (left) 0 Ft (right) 0 Ft	(111) Grade: POOR
(55) Type Curb or Sidewalks:	

Culvert Information	
(56) Flared: N	(57) Composite: non-composite
(58) Railing: STEEL POST & STEEL PANEL (DECORATIVE)	(121) Culvert Type: NONE/NOT APPLICBLE
(59) Deck Drainage: OVER THE SIDE (W/O DRIP STRIP)	(127) Length: 0.0 Ft
(60) Deck Type: CORRUGATED STEEL PLATE	(129) Depth of Fill: 0.0 Ft
(61) Deck Protection: External: NONE	(130) Headwalls: NONE
Internal: NONE	

General Information	
(62) Wearing Surface: BITUM (ASPHLT CONCRT)	(122) Moment Plate: NONE
Thickness: 3.1 in	(119) Date of Wearing Surface: 01/01/2005
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)	
(63) Pay Wt: 0 pounds	Prime Loc: NONE
Bridge Dedicated Name:	
(64) (Left) Matl: NONE	Type: NONE
(64) (Right) Matl: NONE	Type: NONE
(65) (124) Bearing Devices: SLIDING (OTHER)/NONE	
(66) (126) Navigation: Control- N	Vert Clr: 0.0 Ft
(67) (193) Spec Insp: N	Freq: 0
(68) (188) Fracture Critical Insp: Y	Freq: 24
(69) (138) Long Member: TWO TRUSSES (RIVETED)	
(70) (141) Structural Steel Memb: NONE	
	(135) Hinges: NOT APPLICABLE
	(139) Framing: NONE
	Railing: OTHER
	Paint: NONE

Unit of Measure: **English**
 Structure File Number **5930154**
 Sufficiency Rating: **00.0 SD**

Bridge Inventory Information
 Inventory Bridge Number: **MRW C0146 00436 13**
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: NOT HISTORIC (---) Hist Builder: UNKNOWN Hist Build Year: 1913 (69) Hist Type: PRATT (RIVETED) (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. / MMM			
(90) Length: Ft		PID Status:		2. / 020			
(90) Bridge Cost (\$1000s): 0		PID Date:		3. / 044			
(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: 5	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: N	(161) Lighting: N				
(I-32) Superstructure: 2	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: 7	In Depth: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: N	Catwalks: N				
(I-60) Approaches: 6	Fracture Critical: N NONE N/A	Water: N	Other-Feat: N				
(I-66) General Appraisal: 2	Scour Critical: N NONE N/A	Other: N	(184) Signs-on: N				
(I-66) Operational Status: K	Critical Findings: N NONE N/A		Signs-Under: N				
Inspection Date: 12/27/2011	Insp. Update Date: 03/20/2012		(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-C0146-00436-13			
				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%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	9	3	0	1	5	4
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Bridge Number **MRW C0146 00436 13** WESTFIELD TWP
CO ROUTE UNIT

Date Built **07/01/1913 - 1950**

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

Type Service **1 15 WHETSTONE CREEK**

MRW

DECK		Out/Out 14.0	2	THCK = 3.1		2
1. Floor	6-CORRUGATED STEEL PLATE	8	2	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		N-NONE		W.S. Date = 01/01/2005		
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	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=109	3			
9. Alignment			12	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES	45
		TOT.LGTH=111				
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 = 01/01/2002	54
29. Pins/Hangers/Hinges			22	30. Fatigue Prone Connections		55
31. Live Load Response			23	32. Summary		56
SUBSTRUCTURE		3-CONCRETE AND STONE	3	PIERS=0 SPANS = 1		3
33. Abutments	3-CONCRETE AND STONE	24	3	34. Abutment Seats		57
35. Piers	TYPE = N-NONE	25		36. Pier Seats		58
37. Backwalls		26	1	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		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	1	52. Protection	N-NONE	67
53. Waterway Adequacy		34	1	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	1-STEEL BEAM	36	1	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=13.8	37	2	60. Summary		71
GENERAL						
61. Navigation Lights		38		62. Warning Signs	ROUTINE.RESP: 3-COUNTY MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=9.5 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	1	66. General Appraisal & Operational Status		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 1,550

Date 1 2 2 7 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

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

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5	9	3	0	1	5	4
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1 Structure File Number 7

Bridge Number **MRW C0146 00436 13**
CO ROUTE UNIT

Date Built 07/01/1913 - 1950

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

Type Service **1 15**

WHETSTONE CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.
