

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] Mahoning County [099] Youngstown [88000] ON PK DR 1 MI NW USR 62 41-04-24 = 41.073333 080-41-30 = - 80.691667

5059941 Highway agency district 4 Owner State Park, Forest, or Reservation Agency Maintenance responsibility State Park, Forest, or Reservation Agency

Route 122 VALLEY DRIVE 122 Toll On free road [3] Features intersected MILL CREEK

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

2 Stringer/Multi-beam or girder [02] 0 Other [00] Year built #Num! Year reconstructed 1973

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 27.4 m = 89.9 ft Length of maximum span 12.8 m = 42.0 ft Deck width, out-to-out 6.1 m = 20.0 ft Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft

Inventory Route, Total Horizontal Clearance 6.1 m = 20.0 ft Curb or sidewalk width - left 1.4 m = 4.6 ft Curb or sidewalk width - right 1.4 m = 4.6 ft

Deck structure type Wood or Timber [8]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.2 km = 0.1 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 2.7 metric ton = 3.0 tons

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

Bridge posting Design Load MS 13.5 / HS 15 [3]

Functional Details

Average Daily Traffic	300	Average daily truck traffi	5	%	Year	1986	Future average daily traffic	416	Year	2028
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	9.8 m = 32.2 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		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	4.22 m = 13.8 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 contract [1]	
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	\$15,000	Roadway improvement cost	\$1,000
	Length of structure improvement	30.5 m = 100.1 ft	Total project cost	\$20,000
	Year of improvement cost estimate	2002		
	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

Very Good [8]

Appraisal ratings -
roadway alignment

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - substructure

Good [7]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - deck

Very Good [8]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

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

Superior to present desirable criteria [9]

Status evaluation

Functionally obsolete [2]

Pier or abutment protection

Sufficiency rating

19.9

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - transitions

Not applicable or a safety feature is not required. [N]

Traffic safety features - approach guardrail

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - approach guardrail ends

Not applicable or a safety feature is not required. [N]

Inspection date

October 2009 [1009]

Designated inspection frequency

6

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date

Unit of Measure: **English**
Structure File Number **5059941**
Sufficiency Rating: **19.6 fo**

Bridge Inventory Information
Inventory Bridge Number: **MAH 00122 0068**
ON MILL CREEK

Report Date **02/17/2011** BM-191 Page: 1 of 2
BR. Type STEEL / BEAM / SIMPLE SPAN
Date of Last Inventory Update: **09/13/2010**

District: 04	County MAHONING	(101) Location: ON PK DR 1 MI NW USR 62	(102) Facility Carried: VALLEY DRIVE 122
(2) FIPS Code: YOUNGSTOWN		(103) Route On Bridge: PARK DISTRICT	(104) Route Under Bridge: NON-HIGHWAY
(9) Direction of Traffic: 2-WAY TRAFFIC	(10) Temporary: N	(11) Truck Network: N	(12) Parallel: N
(95) Insp: OH PARK DIS (96) Maint: OH PARK DIS (97) Routine: OH PARK		(100) Type Serv: (On): HIGHWAY/PEDESTRIAN	(Under): WATERWAY

Inventory Route Data		(63) Main Spans Number: 2	Type: STEEL / BEAM / SIMPLE SPAN
(3) Route On/Under: ON	Hwy Sys: COUNTY/TOWNSHIP HIGHWAY	Approach Spans Number: 0	Type: NONE / NONE / NONE
Route No.: 00122 Dir:	Des: MAINLINE Pref:	Total Spans: 2	(65) Max Span: 42 Ft
(4) Feature Intersected: MILL CREEK		(66) Overall Leng: 90 Ft	

(5) County: MCP Mileage: 0068	Special Desig:	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 300	(7) ADT Year: 1986	Abut-Rear Matl: CONCRETE AND STONE Type: GRAVITY	Fnd: OTHER
(8) Truck Traf: 15 (14) NHS: NO - X	(15) Corridor: N	Abut-Fwd Matl: CONCRETE AND STONE Type: GRAVITY	Fnd: OTHER
(16) Functional Class: LOCAL ROAD-URBAN	(19) Strahnt: Not Applicable	Pier-Pred Matl: CONCRETE Type: GRAVITY	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)

Intersected Route Data		No of Piers Predominate: 01	Other: NN	Other: NN
(22) Route On/Under:	Hwy Sys:	(86) Stream Velocity: UUU	(74) Scour: STABLE: EVAL SCOUR ABOVE TOP OF FOOTING	
Route No.: Dir:	Des: Pref:	(189) Dive: N Freq: 0	Probe: N Freq: 0	(75) Chan Prot: NONE
(23) Feature Intersected:		(189) Date of last Dive Insp:	(152) Drainage Area: UUUU Sq Mi	
(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			

Clearance On the Bridge			Clearance Under the Bridge	
(154) Min Hriz on Bridge:	NC: 0.0 Ft	Card: 20.1 Ft	(156) Min. Horiz Under Clear:	NC: 0.0 Ft Card: 0.0 Ft
(155) Prac Max Vert On Brg:	13.8 Ft		(157) Prac Max Vrt Under Clear:	0.0 Ft
(67) Min Vrt Clr On Brg:	NC: 0.0 Ft	Card: 13.8 Ft	(77) Min Vert Under Clear:	NC: 0.0 Ft Card: 0.0 Ft
(80) Min Latl Clr:	NC: 0.0 / 0.0 Ft	Card: 0.0 / 0.0 Ft	(78) Min Lat Under Clear:	NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft
(81) Vrt Clr Lft:	0.0 Ft			

Structure Information		Load Rating Information		(88-89) Appraisal
(38) Bypass Length: 01 Miles		(48) Design Load: HS/15	(Including calculated Items)	
(39) Latitude: 41 Deg 4.4 Min	Longitude: 80 Deg 41.5 Min	(83) Operating: 4 Ton		
(40) Toll: ON FREE ROAD		Inventory: 3 Ton		
(41) Date Built: 07/01/1900	(42) Major Rehabilitation: 01/01/1973	Ohio Percent of Legal Load 10		(88) Waterway Adequacy 9
(43) No. Lanes On: 2	No. Lanes Under: 0	Year of Rating: 1995		(89) Approach Alignment 4
(44) Horiz Curve: Deg. Min.	(45) Skew: 0 Deg	(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]		Calc Gen Appraisal: 3
(49) App. Rdw Width: 32 Ft	(50) Brg. Rdw Width: 20.1 Ft	(85) Rate Soft: NO SOFTWARE USED Analyzed by:		Calc Deck Geometry: 3
(51) Deck Width: 20.1 Ft	Deck Area: 1808 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: TIMBER RAIL	
(53) Bridge Median: NO MEDIAN		(110) Approach Pavement: BITUMINOUS	(111) Grade: FAIR
(54) Sidewalks: (left) 4 Ft (right) 4 Ft			
(55) Type Curb or Sidewalks:			
(Left) Matl: TIMBER Type: SIDEWALK(>2')			
(Right) Matl: TIMBER Type: SIDEWALK(>2')			
(56) Flared: N (57) Composite: not applicable			

Culvert Information			
(58) Railing: STEEL POST & STEEL PANEL (DECORATIVE)		(121) Main Member ROLLED STEEL	(122) Moment Plate: NONE
(59) Deck Drainage: SCUPPERS & DWNSPTS		(169) Expansion Joint: OPEN (UNARMORED)	
(60) Deck Type: LAMINATED TIMBER STRIP		(124) Bearing Devices: SLIDING (OTHER)/NONE	
(61) Deck Protection: External: NONE		(126) Navigation: Control- N Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft
Internal: NONE		(193) Spec Insp: N Freq: 0	Date:
(62) Wearing Surface: BITUM (ASPHLT CONCRT)		(188) Fracture Critical Insp: N Freq: 0	Date:
Thickness: 2.0 in (119) Date of Wearing Surface:		(138) Long Member: NOT APPLICABLE	(135) Hinges: NOT APPLICABLE
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)		(141) Structural Steel Memb: UNKNOWN	(139) Framing: STRAIGHT

General Information			
		Pay Wt: 0 pounds	Prime Loc: FIELD
		Bridge Dedicated Name:	Paint: OTHER

Unit of Measure: **English**
 Structure File Number **5059941**
 Sufficiency Rating: **19.6 fo**

Bridge Inventory Information
 Inventory Bridge Number: **MAH 00122 0068**
ON MILL CREEK

Report Date **02/17/2011** **BM-191** Page: 2 of 2
BR. Type STEEL/BEAM/SIMPLE SPAN
 Date of Last Inventory Update: **09/13/2010**

General Information (Continued) **Original Plans Information**

(---) Hist Significance: **NATIONAL HISTORIC REGISTER** (69) NBIS: **Y**
 (---) Hist Builder: **YOUNGSTOWN BRIDGE COMPANY** Hist Build Year: **1895**
 (69) Hist Type:
 (161) Special Features (see below):
 (105) Border Bridge State: Resp % (106) SFN:

(142) Fabricator:
 (143) Contractor:
 (144) Ohio Original Construction Project No.:
 (---) Microfilm Reel:
 (151) Standard Drawing:

Proposed Improvements **Programming Info**
 (90) Type Work: **35 - BRG REHAB--GEN DECLINE/INADEQ STRENGTH** PID Number:
 (90) Length: Ft PID Status:
 (90) Bridge Cost (\$1000s): **0** PID Date:
 (90) Roadway Cost (\$1000s): **0**
 (90) Total Project Cost (\$1000s): **0** (90) Year:
 (91) Future ADT (On Bridge): **0** (92) Year of Future ADT: **2028**

Aperture Cards: Orig: **N** Repair: **N** Fabr: **N**
 Plan Information Available: **1PLAN INFORMATION AVAILABLE**
 (153) Repair Projects
 1. / **MMM** 2. / **020** 3. / **020**
 4. 5. 6.
 7. 8. 9.
 10.

Inspection Summary **(I-69) Survey Items**

(I-8) Deck: 8	Railings: 1 MEETS CURRENT STANDARDS
(I-32) Superstructure: 8	Transitions: N NONE N/A
(I-42) Substructure: 7	Guardrail: 1 MEETS CURRENT STANDARDS
(I-50) Culvert:	Rail Ends: N NONE N/A
(I-54) Channel: 7	Pavement Mark: 1 MEETS CURRENT STANDARDS
(I-60) Approaches: 7	Restrict Sign: N NONE N/A
(I-66) General Appraisal: 8	Warning Sign: N NONE N/A
(I-66) Operational Status: P	End Markers: N NONE N/A
Inspection Date: 10/21/2010	Insp. Update Date: 12/09/2010
(94) Desig Insp Freq: 6 Months	

Utilities **Special Features**

(46) Electric: U	(161) Lighting: N
Gas: U	Fencing: N
Sanitary Sewer: U	Glare-Screen: N
Telephone: U	Splash-Guard: N
TV Cable: U	Catwalks: N
Water: U	Other-Feat: U
Other: U	(184) Signs-on: N
	Signs-Under: N
	(162) Fence-Ht: 0.0 Ft
	(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: **MAH-00122-0068 -**
 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	0	5	9	9	4	1
---	---	---	---	---	---	---

Bridge Number **MAH 00122 0068** YOUNGSTOWN
CO ROUTE UNIT

Date Built **07/01/1900 - 1973**

District **04** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 55 MILL CREEK**

MAH

DECK		Out/Out 20.1	1	THCK = 2.0		1
1. Floor	2-LAMINATED TIMBER STRIP	8	1	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		3-TIMBER	1	W.S. Date =		
3. Curbs, Sidewalks, Walkways	3-TIMBER	9	1	4. Median		42
5. Railing	6-STEEL POST & STEEL PAN	10	1	6. Drainage	3-SCUPPERS & DWNSPTS	43
7. Expansion Joints	6-OPEN (UNARMORED)	11	1	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=42	1			1
9. Alignment		12	1	10. Beams/Girders/Slab	1-ROLLED STEEL	45
		TOT.LGTH=90	1			
11. Diaphragms or Crossframes		13	1	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 = 0-OTHER DATE = 01/01/1991	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		3-CONCRETE AND STONE	1	PIERS=1 SPANS = 2		1
33. Abutments	3-CONCRETE AND STONE	24	1	34. Abutment Seats		57
35. Piers	TYPE = 2-CONCRETE	25	1	36. Pier Seats		58
37. Backwalls		26	1	38. Wingwalls	ABUTMENT:=OTHER / OTHER	59
39. Fenders and Dolphins		27		40. Scour	8-STABLE: EVAL SCOUR ABO	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	2	52. Protection	N-NONE	67
53. Waterway Adequacy		34	2	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	2	56. Approach Slabs		69
57. Guardrail	5-TIMBER RAIL	36	1	58. Relief Joints		70
59. Embankment	BRDG.WIDTH=20.1	37	2	60. Summary		71
GENERAL						
61. Navigation Lights		38		62. Warning Signs	ROUTINE.RESP: C-OH PARK DIS MAINT.RESP: C-OH PARK DIS	72
63. Sign Supports	MVC ON=13.8 UND=0000	39		64. Utilities		73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

	3	8	6	5	5
--	---	---	---	---	---

76 PE

M	A	F
---	---	---

78 INITIALS

SIGNED

--	--	--	--	--	--

81 PE

--	--	--

83 INITIALS

DOT 2852

DECK AREA 1,808

Date

1	0	2	1	1	0
---	---	---	---	---	---

86

91

1	N	1	N	1	N	N	N
---	---	---	---	---	---	---	---

92

69 Survey

99

Date

--	--	--	--	--	--

100

105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

5	0	5	9	9	4	1
---	---	---	---	---	---	---

1 Structure File Number 7

Bridge Number **MAH** **00122** **0068**
CO ROUTE UNIT

Date Built 07/01/1900 - 1973

District **04** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 5 5**

MILL CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.
