

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] Ashtabula County [007] Conneaut [18350] .5 MI. S. OF S. RIDGE RD. 41-53-40 = 41.894444 080-34-27 = - 80.574167

432156 Highway agency district 4 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! OLD SR7 Toll On free road [3] Features intersected CONNEAUT CREEK

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Arch - Thru [12] 0 Other [00] Year built #Num! Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 46.9 m = 153.9 ft Length of maximum span 45.7 m = 149.9 ft Deck width, out-to-out 9.1 m = 29.9 ft Bridge roadway width, curb-to-curb 7.1 m = 23.3 ft

Inventory Route, Total Horizontal Clearance 7.1 m = 23.3 ft Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidewalk width - right 0.2 m = 0.7 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 24.3 metric ton = 26.7 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 32.4 metric ton = 35.6 tons

Bridge posting Equal to or above legal loads [5] 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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Very Good [8]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - substructure	<input type="text" value="Very Good [8]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Very Good [8]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="77.5"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="May 2010 [0510]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: **English**
Structure File Number **0432156**
Sufficiency Rating: **85.0**

Bridge Inventory Information
Inventory Bridge Number: **ATB M 13A 0020**
ON CONNEAUT CREEK

Report Date **10/11/2012** **BM-191** Page: 1 of 2
BR. Type CONCRETE / ARCH / THRU
Date of Last Inventory Update: **08/01/2012**

District: **04** County **ASHTABULA** (101) Location: **.5 MI. S. OF S. RIDGE RD.** (102) Facility Carried: **OLD SR7**
(2) FIPS Code: **CONNEAUT** (103) Route On Bridge: **MUNICIPAL** (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: **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: **CONCRETE / ARCH / THRU**
Route No.: **M 13A** Dir: Des: **MAINLINE** Pref: Approach Spans Number: **0** Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **150 Ft** (66) Overall Leng: **154 Ft**

(4) Feature Intersected: **CONNEAUT CREEK** (70) Substructure (71) Foundation and Scour Information
(5) County: **ATB** Mileage: **0020** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **GRAVITY** Fnd: **ROCK**
(6) Avg. Daily Traffic(ADT): **100** (7) ADT Year: **1991** Abut-Fwd Matl: **CONCRETE** Type: **GRAVITY** Fnd: **ROCK**
(8) Truck Traf: **5** (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: **000.0** (74) Scour: **STABLE: EVAL SCOUR ABOVE TOP OF FOOTING**
(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 On the Bridge
(154) Min Hriz on Bridge: NC: **0.0 Ft** Card: **23.3 Ft**
(155) Prac Max Vert On Brg: **16.7 Ft**
(67) Min Vrt Clr On Brg: NC: **0.0 Ft** Card: **16.7 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: **03 Miles**
(39) Latitude: **41 Deg 53.7 Min** Longitude: **80 Deg 34.5 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **01/01/1989** (42) Major Rehabilitation:
(43) No. Lanes On: **2** No. Lanes Under: **0**
(44) Horiz Curve: **00 Deg. D00M Min.** (45) Skew: **0 Deg**
(49) App. Rdw Width: **26 Ft** (50) Brg. Rdw Width: **23.3 Ft**
(51) Deck Width: **30.0 Ft** Deck Area: **4618** 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: **CONCRETE** Type: **SAFETY CURB(<=2')**
(Right) Matl: **CONCRETE** Type: **SAFETY CURB(<=2')**
(56) Flared: **N** (57) Composite:
(58) Railing: **REINF CONCR POST & CONCR PANEL**
(59) Deck Drainage: **SCUPPERS & DWNSPTS**
(60) Deck Type: **REINF CONCRT (PRESTRSD, PRECAST**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**

Thickness: **2.0** in (119) Date of Wearing Surface: **01/01/1999**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**
(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **NONE/NONE**
(126) Navigation: **Control- X** Vert Clr: **0.0 Ft** Horiz Clear: **0.0 Ft**
(193) Spec Insp: **N** Freq: **0** Date:
(188) Fracture Critical Insp: **N** Freq: **0** Date:
(138) Long Member: **TWO CONCRETE ARCHES** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **NONE** (139) Framing: **NONE**
Railing: **NONE**
Paint: **NONE**

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**

Load Rating Information (88-89) Appraisal
(48) Design Load: **HS/20** (Including calculated Items)
(83) Operating: **36 Ton**
Inventory: **27 Ton**
Ohio Percent of Legal Load **150** (88) Waterway Adequacy **8**
Year of Rating: **2010** (89) Approach Alignment **5**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **8**
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by: **CL** Calc Deck Geometry: **5**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Approach Information
(109) Approach Guardrail: **STEEL BEAM**
(110) Approach Pavement: **BITUMINOUS** (111) Grade: **GOOD**

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

Unit of Measure: **English**
 Structure File Number **0432156**
 Sufficiency Rating: **85.0**

Bridge Inventory Information
 Inventory Bridge Number: **ATB M 13A 0020**
ON CONNEAUT CREEK

Report Date **10/11/2012** **BM-191** Page: 2 of 2
BR. Type CONCRETE/ARCH/THRU
 Date of Last Inventory Update: **08/01/2012**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NON-REGISTERED HISTORIC BRIDGE (---) Hist Builder: UNKNOWN Hist Build Year: 1925 (69) Hist Type: CONCRETE RAINBOW (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		1. 980271 / 010		2. / 004	
(90) Type Work: -		PID Number: 16327		3. / 010		4. / 010	
(90) Length: Ft		PID Status: PROGRAM		5. / 004		6. / 010	
(90) Bridge Cost (\$1000s): 0		PID Date: 06/04/1998		7. / 004		7. / 004	
(90) Roadway Cost (\$1000s): 0				8. / 004		8. / 004	
(90) Total Project Cost (\$1000s): 0		(90) Year:		9. / 004		9. / 004	
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2033		10. / 004		10. / 004	
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 8	Railings: 0 DOES NOT MEET CURRENT STANDARDS	(46) Electric: U	(161) Lighting: N	Gas: U	Fencing: N		
(I-32) Superstructure: 8	Transitions: 0 DOES NOT MEET CURRENT STANDARDS	Sanitary Sewer: U	Glare-Screen: N	Telephone: U	Splash-Guard: N		
(I-42) Substructure: 8	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS	TV Cable: U	Catwalks: N	Water: U	Other-Feat: U		
(I-50) Culvert: 8	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS	Other: U	(184) Signs-on: N				
(I-54) Channel: 8	In Depth: N NONE N/A	(162) Fence-Ht: 0.0 Ft					
(I-60) Approaches: 8	Fracture Critical: N NONE N/A	(163) Noise Barr: N					
(I-66) General Appraisal: 8	Scour Critical: N NONE N/A						
(I-66) Operational Status: A	Critical Findings: N NONE N/A						
Inspection Date: 06/13/2012	Insp. Update Date: 08/01/2012						
(94) Desig Insp Freq: 12 Months							
SFNs Replacing this retired bridge: -		INV Field Bridge Marker: ATB-M 13A-0020 -					
SFNs That where replaced by this bridge: -		INT Field Bridge Marker: ---					
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
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0	4	3	2	1	5	6
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Bridge Number **ATB M 13A 0020**
CO ROUTE UNIT

CONNEAUT

Date Built **01/01/1989**

District **04** Bridge Type **CONCRETE/ARCH/THRU**

Type Service **1 15 CONNEAUT CREEK**

ATB

DECK		Out/Out 30.0	1	THCK = 2.0		1
1. Floor	1-REINF CONCRT (PRESTRSD	8	1	2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
		1-CONCRETE	1	W.S. Date = 01/01/1999		
3. Curbs, Sidewalks, Walkways	1-CONCRETE	9	1	4. Median		42
5. Railing	5-REINF CONCR POST & CON	10	1	6. Drainage	3-SCUPPERS & DWNSPTS	43
7. Expansion Joints	N-NONE	11		8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=150	1	N-N/A (CULVERTS, TRUSSES		45
9. Alignment		12	1	10. Beams/Girders/Slab		46
		TOT.LGTH=154		12. Joists/Stringers		47
11. Diaphragms or Crossframes		13	1	14. Floor Beam Connections		48
13. Floor Beams		14		16. Diagonals		49
15. Verticals		15		18. Top Chord		50
17. End Posts		16		20. Lower Lateral Bracing		51
19. Lower Chord		17		22. Sway Bracing		52
21. Top Lateral Bracing		18		24. Bearing Devices	N-NONE	53
23. Portals		19			N-NONE	54
25. Arch		20	1	26. Arch Columns or Hangers		55
27. Spandrel Walls		21		28. Protective Coating System	TYPE = N-NONE DATE =	56
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		57
31. Live Load Response		23	S	32. Summary		58
SUBSTRUCTURE		2-CONCRETE	1	PIERS=0		59
33. Abutments	2-CONCRETE	24	1	34. Abutment Seats	SPANS = 1	60
35. Piers	TYPE = N-NONE	25		36. Pier Seats		61
37. Backwalls		26		38. Wingwalls	ABUTMENT:=ROCK / ROCK	62
39. Fenders and Dolphins		27		40. Scour	8-STABLE: EVAL SCOUR ABO	63
41. Slope Protection	N-NONE	28		42. Summary		64
CULVERTS				DIVE DT=N/A		65
43. General		29		44. Alignment		66
45. Shape		30		46. Seams		67
47. Headwalls or Endwalls		31		48. Scour		68
49.		32		50. Summary		69
CHANNEL				N-NONE		70
51. Alignment		33	1	52. Protection		71
53. Waterway Adequacy		34	1	54. Summary		72
APPROACHES						73
55. Pavement	2-BITUMINOUS	35	1	56. Approach Slabs		74
57. Guardrail	1-STEEL BEAM	36	1	58. Relief Joints		75
59. Embankment	BRDG.WIDTH=23.3	37	1	60. Summary		76
GENERAL				PCT.LEGAL=150		77
61. Navigation Lights		38		ROUTINE.RESP: 3-COUNTY		78
63. Sign Supports	MVC ON=16.7 UND=0000	39		MAINT.RESP: 3-COUNTY		79
65. Vertical Clearance		40	1	66. General Appraisal & Operational Status		80
67. INSPECTED BY				81		COND STAT 8 A

67. INSPECTED BY

68. REVIEWED BY

SIGNED

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76 PE

R	R	A
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78 INITIALS

SIGNED

	6	6	0	5	4
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81 PE

T	G	P
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83 INITIALS

DOT 2852

DECK AREA 4,618

Date

0	6	1	3	1	2
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86

91

Date

0	0	0	0	N	N	N	N
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92

69 Survey

99

Date

0	6	1	3	1	2
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100

105

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0	4	3	2	1	5	6
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1 Structure File Number 7

Bridge Number **ATB** **M 13A** **0020**
CO ROUTE UNIT

Date Built 01/01/1989

District **04** Bridge Type **CONCRETE/ARCH/THRU**

Type Service **1 15**

CONNEAUT CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.
