

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]	Licking County [089]	Madison [46508]	.4 MI S OF CR 315	40-02-33.05 = 40.042514	082-19-25.58 = -82.323772
4531604	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	BEAL RD	Toll On free road [3]	Features intersected	CLAYLICK CREEK BEAL RD	
Design - main Concrete [1]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1940	Year reconstructed N/A [0000]	
1	Girder and floorbeam system [03]	0	Other [00]	Skew angle 0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 19.2 m = 63.0 ft	Length of maximum span 18.3 m = 60.0 ft	Deck width, out-to-out 6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb 5.5 m = 18.0 ft		
Inventory Route, Total Horizontal Clearance 5.5 m = 18.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 1 km = 0.6 mi	Method to determine inventory rating		Inventory rating 18.1 metric ton = 19.9 tons
	Method to determine operating rating		Operating rating 22.4 metric ton = 24.6 tons
Bridge posting		Design Load	M 13.5 / H 15 [2]

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="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]"/>		
Channel and channel protection	<input type="text" value="Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="48.3"/>
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="November 2013 [1113]"/>	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"/>

Structure File Number: 4531604

Inventory Bridge Number: LIC C0320 01300 G2

BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU

Sufficiency Rating: 046.3 SD

ROUTE CARRIED "ON" THE STRUCTURE CLAYLICK CREEK BEAL RD

Date of Last Inventory Update:

District: 05	County: LICKING	(101) Location: .4 MI S OF CR 315	(102) Facility Carried: BEAL RD
(2) FIPS Code: LIC-T-46508-MADISON TWP		(103) Route On Bridge: COUNTY	(104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: ONE LANE BRIDGE FOR 2-WAY	(10) Temporary:	(11) Truck Network: N	(12) Parallel: N
		(100) Type Serv: (On): HIGHWAY	(Under): WATERWAY
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: COUNTY HIGHWAY (TOWNS	(63) Main Spans Number: 1	Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU
Route No: C0320	Dir: NOT APPLICABLE	Des: MAINLINE	Pref: N
(4) Feature Intersected: CLAYLICK CREEK BEAL RD		Approach Spans Number: 0	Type: NONE/NONE/NONE
(5) County: MAD	Mileage: 01300	Special Desig: G2	
(6) Avg. Daily Traffic(ADT): 107	(7) ADT Year: 2013	Total Spans: 1	(65) Max Span: 60 Ft
(8) Truck Traf: 0	(14) NHS: NON-NHS BRIDG	(15) Corridor: N	(66) Overall Leng: 63 Ft
(16) Functional Class: RURAL - LOCAL	(19) Strahnt: NOT STRAHNET		
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:	(70) Substructure	(71) Foundation and Scour Information
Route No: Dir:	Des: Pref:	Abut-Rear	Matl: CONCRETE Type: SOLID WALL Fnd: UNKNOWN
(23) Feature Intersected:		Abut-Fwd	Matl: CONCRETE Type: SOLID WALL Fnd: UNKNOWN
(24) County: Mileage: 0000	Special Desig:	Pier-Pred	Matl: NONE Type: NONE Fnd: NONE (SUCH AS MOST CULVERTS)
(25) Avg. Daily Traffic(ADT):	(26) ADT Year:	Pier-Other	Matl: NONE Type: NONE Fnd: NONE (SUCH AS MOST CULVERTS)
(27) Truck Traf: (28) NHS: -	(29) Corridor: N	Pier-Other	Matl: NONE Type: NONE Fnd: NONE (SUCH AS MOST CULVERTS)
(30) Functional Class:	(36) Strahnt:	No of Piers Predominate:	Other:
		(86) Stream Velocity: 00000	(74) Scour: ACTION IS REQUIRED TO PROTECT EXPOSED FO
		(189) Dive: N Freq: 0	Probe: Y Freq: 0
		(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi
		(75) Chan Prot: OTHER (GRASS, BUSHES, TREES)	
Clearance Under the Bridge			
(154) 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			
(48) Design Load: H15		(88) Waterway Adequacy: 4	
Opr Rat Fact: 0.690 LD:		(89) Approach Alignment: 4	
Inv Rat Fact: 0.560 LD:		Calc Gen Appraisal: 4	
(83) Ohio Percent of Legal Load: 50		Calc Deck Geometry: 3	
Year of Rating: 2010		Calc Underclearance: N	
(84) Analysis: FIELD EVALUATION AND DOCUMENTED ENGINEER			
(85) Rate Soft: ASSIGNED RATING (NO CALCULATIONS WERE DO			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 0			
Approach Information			
(109) Approach Guardrail: NONE		(111) Grade: FAIR	
(110) Approach Pavement: OTHER			
Culvert Information			
(131) Culvert Type: NOT A CULVERT OR RIGID FRAME		(127) Length: 0.0 Ft	
(129) Depth of Fill: 0.0 Ft		(130) Headwalls: NONE OR NOT APPLICABLE (NOT A CU	
General Information			
(121) Main Member: CONCRETE GIRDER		(122) Moment Plate: NO MOMENT PLATES	
(169) Expansion Joint: NONE			
(124) Bearing Devices: NONE			
(126) Navigation: Control-0	Vert Clr: 0.0 Ft	Horiz Clear: 0.0 Ft	
(193) Spec Insp: N	Freq: 0	Date:	
(188) Fracture Critical Insp: N	Freq: 24	Date:	
(138) Long Member: TWO GIRDER BRIDGE		(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO	
(141) Structural Steel Memb: NONE		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: N	
Pay Wt: 0 pounds	Prime Loc: NONE (I.E.	Paint: NONE OR NOT APPLICABLE	
Bridge Dedicated Name:			
Structure Information			
(38) Bypass Length: 06 Miles			
(39) Latitude: 40 Deg 02 Min 33.22 Sec	Longitude: 82 Deg 19 Min 25.61 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1940	(42) Major Rehabilitation:		
(43) No. Lanes On: 1	No. Lanes Under: 0		
(44) Horiz Curve: 00D00M	(45) Skew: 0 Deg		
(49) App. Rdw Width: 18 Ft	(50) Brg. Rdw Width: 18.0 Ft		
(51) Deck Width: 20.0 Ft	Deck Area: 1259 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 0.0 Ft (right) 0.0 Ft		
(55) Type Curb or Sidewalks:			
(Left) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(Right) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(56) Flared: 0	(57) Composite: U - NOT APPLICABLE		
(58) Railing: REINFORCED CONCRETE PARAPET			
(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS			
(60) Deck Type: REINFORCED CONCRETE			
(61) Deck Protection: External: NOT APPLICABLE (ONLY FOR BRIDGES FOR NO			
Internal: NOT APPLICABLE (APPLIES ONLY TO BRIDGES			
(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN			
Thickness: 2.0 in	(119) Date of Wearing Surface:		
Slope Protection: NONE			

Unit of Measure: **English**
 Structure File Number: 4531604
 Sufficiency Rating: 046.3 SD

Bridge Inventory Information

Inventory Bridge Number: LIC C0320 01300 G2

BR. Type: **CONCRETE/GIRDER (FLOOR SYSTEM)/THRU**

ROUTE CARRIED "ON" THE STRUCTURE CLAYLICK CREEK BEAL RD

Date of Last Inventory Update:

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT ELIGIBLE (---) Hist Builder: NONE N/A (69) Hist Type: (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1928		(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: 0 NO PLANS OR INFORMATION AVAILABLE FOR LO (153) Repair Projects:			
Proposed Improvements		Programming Info					
(90) Type Work: -		PID Number: PID Status: PID Date:					
(90) Length: Ft							
(90) Bridge Cost (\$1000s):							
(90) Roadway Cost (\$1000s):							
(90) Total Project Cost (\$1000s):		(90) Year:					
(91) Future ADT (On Bridge): 149		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	5	Railings:	DOES NOT MEET ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	4	Transitions:	DOES NOT MEET ACCEPTABLE STANDARDS	Gas:	U	Fencing:	N
(I-42) Substructure:	5	Guardrail:	DOES NOT MEET ACCEPTABLE STANDARDS	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	DOES NOT MEET ACCEPTABLE STANDARDS	Telephone:	U	Splash-Guard:	N
(I-54) Channel:	4	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	4	Scour Critical:		Other:	U	(184) Signs-On:	N
(I-66) Operational Status:	P	Critical Findings:				Signs-Under:	N
Inspection Date:	12/15/2014	Insp. Update Date:	12/15/2014			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge: -							
SFNs That were replaced by this bridge: -							
This bridge was retired and copied to:				INV Field Bridge Marker:		LIC - C0320 - 0130 - G2	
The bridge was copied from:				INT Field Bridge Marker:		- - 0000 -	
(95) Insp: COUNTY AGENCY	2nd: NONE	3rd: NONE					
(96) Maint: COUNTY AGENCY	2nd: NONE	3rd: NONE					
(97) Routine: COUNTY AGENCY	2nd: NONE	3rd: NONE					

PONTIS CoRe elements and Conditions States

Elem No.	CoRe Element Description	Total Quantity	Unit Meas.	Condition State Percents(*)				
				1	2	3	4	5

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 4531604

LIC
CO

C0320
Route

01300
SLM

LIC-T-46508-MADISON TWP
FIPS

DATE BUILT 07/01/1940

District 05 CONCRETE/GIRDER (FLOOR SYSTEM) Type of Service 1 15 CLAYLICK CREEK BEAL RD

G2
SD LIC

DECK

1. Floor	Out/Out 20.0 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK= 2.0 2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	1
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE		4. Median	W.S. Date = N-NO MEDIAN	
5. Railing	1-REINFORCED CONCRETE PARAPET	2	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	3
7. Expansion Joints	N-NONE		8. SUMMARY	Deck Area: 1,259	5

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 60	2	10. Beams/Girders/Slab	5-CONCRETE GIRDER	3
11. Diaphragms or Cross Frames	TOT.LGTH = 63		12. Joist/Stringers		
13. Floorbeams		3	14. Floorbeam Connections		
15. Verticals			16. Diagonals		
17. End posts			18. Upper Chord		
19. Lower Chord			20. Gusset Plates		
21. Lateral Bracing			22. Sway Bracing		
23. Portals			24. Bearing Devices	N-NONE N-NONE	
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: NNONE OR NOT APPLICABLE DATE =	
29. Pins/Hangers/Hinges	ADT: 107 TRUCK: 0 YEAR: 2013		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		S	32. SUMMARY		4

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	2	34. Abutment Seats	PIERS= # OF SPANS=1	1
35. Piers	TYPE = N-NONE		36. Pier Seats		
37. Backwalls		2	38. Wingwalls	ABUTMENT:=UNKNOWN/UNKNOWN	3
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	4-ACTION IS REQUIRED TO PROTECT EXPOSED FO 1	2
41. Slope Protection	N-NONE		42. SUMMARY	DIVE DT= N/A	5

CULVERTS

43. General			44. Alignment		
45. Shape			46. Seams		
47. Headwalls or Endwalls			48. Scour (Insp Type - 1, 2, 3)		
49. Abutments			50. SUMMARY		N

CHANNEL

51. Alignment		3	52. Protection	0-OTHER (GRASS, BUSHES, TREES)	2
53. Hydraulic Opening		1	54. SUMMARY		4

APPROACHES

55. Pavement	0-OTHER	1	56. Approach Slabs		
57. Guardrail	N-NONE		58. Relief Joint		
59. Embankment	BRDG.WIDTH=18.0	2	60. SUMMARY	PCT.LEGAL= 50	6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY	1
63. Sign Supports	MVC ON=9999 UND=0000		64. Utilities		
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status		4 P

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 12/15/2014

60.606
PE Number

CP
Initial
0 0 0 0

Print First & Last Name
Reviewed Date: 2/13/2015

71.772
PE Number

MC
Initial

69. Survey (1, 0, N)

