HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Allen County [003]	Sugar Creek [75199]	0.59 E OF SANDY POINT RD	40-50-12 = 40.836667	084-09-20 = -84.155556

254134	Highway agency district 1	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: #Num!		LINCOLN HWY.	Toll: On free road [3]	Features intersected: PIKE RUN LINCOLN HWY	

Design - main: Concrete [1]		Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Girder and floorbeam system [03]	0	Other [00]	Year built: 1927	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 13.1 m = 43.0 ft	Length of maximum span: 12.2 m = 40.0 ft	Deck width, out-to-out: 8 m = 26.2 ft	Bridge roadway width, curb-to-curb: 7.4 m = 24.3 ft				
Inventory Route, Total Horizontal Clearance: 7.4 m = 24.3 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: 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: Allowable Stress(AS) [2]	Inventory rating: 9.7 metric ton = 10.7 tons	
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 24 metric ton = 26.4 tons	
	Bridge posting: 10.0 - 19.9 % below [3]	Design Load: MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	760	Average daily truck traffi	4 %	Year	2000	Future average daily traffic	1055
Year	2031						
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	9.8 m = 32.2 ft		
Type of service on bridge	Highway [1]	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	Not applicable, no waterway. [N]		
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

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 corrrective action [3]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		

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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	21.1

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	April 2013 [0413]	Designated inspection frequency	12 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	

District: 01 | County: ALLEN | (101) Location: 0.59 E OF SANDY POINT RD | (102) Facility Carried: LINCOLN HWY.
(2) FIPS Code: ALL-T-75199-SUGAR CREEK TWP | (103) Route On Bridge: COUNTY | (104) Route Under Bridge: NON HIGHWAY TRAFFIC ON BRIDGE
(9) Direction of Traffic: 2-WAY TRAFFIC | (10) Temporary: N | (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
Route No: C0088 | Dir: NOT APPLICABLE | Des: MAINLINE | Pref: N
(4) Feature Intersected: PIKE RUN LINCOLN HWY
(5) County: SUG | Mileage: 03950 | Special Desig: N
(6)Avg. Daily Traffic(ADT): 659 | (7) ADT Year: 2006
(8) Truck Traf: 0 | (14) NHS: NON-NHS BRG E | (15) Corridor: N
(16) Functional Class: RURAL - MAJOR COLLECTOR | (19) Strahnt: NON-STRAHNET BRIDGES

Intersected Route Data

(22) Route On/Under: | Hwy Sys:
Route No: | Dir: | Des: | Pref:
(23) Feature Intersected:
(24) County: | Mileage: 0000 | Special Desig:
(25)Avg. Daily Traffic(ADT): | (26) ADT Year:
(27) Truck Traf: | (28) NHS: - | (29) Corridor: N
(30) Functional Class: | (36) Strahnt:

Clearance On the Bridge

(154) Min. Hriz on Bridge: | NC: 0.0 | Card: 24.1 Ft
(155) Prac Max Vert On Brg: | 9999.9 Ft
(67) Min Vrt Clr On Brg: | NC: 0.0 | 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: 03 Miles
(39) Latitude: 40 Deg 50 Min 25.93 Sec | Longitude: 84 Deg 10 Min 19.89 Sec
(40) Toll: ON FREE ROAD, THE STRUCTU
(41) Date Built: 7/1/1927 | (42) Major Rehabilitation:
(43) No. Lanes On: 2 | No. Lanes Under: 0
(44) Horiz Curve: 00D00M | (45) Skew: 0 Deg
(49) App. Rdw Width: 32 Ft | (50) Brg. Rdw Width: 24.2 Ft
(51) Deck Width: 26.3 Ft | Deck Area: 1130 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: N | (57) Composite: N - NON_COMPOSITE
(58) Railing: REINFORCED CONCRETE POST AND CONCRETE PA
(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS
(60) Deck Type: REINFORCED CONCRETE
(61) Deck Protection: External: NONE OR NOT APPLICABLE
Internal: NONE OR NOT APPLICABLE
(62) Wearing Surface: BITUMINOUS (ASPHALTIC CONCRETE) - OVERLA
Thickness: 4.0 in | (119) Date of Wearing Surface: 7/1/1990
Slope Protection: NONE

(63) Main Spans Number: 1 | Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU
Approach Spans Number: 0 | Type: NONE/NONE/NONE
Total Spans: 1 | (65) Max Span: 40 Ft | (66) Overall Leng: 43 Ft

(70) Substructure		(71) Foundation and Scour Information	
Abut-Rear	Matl: CONCRETE	Type: GRAVITY	Fnd: SPREAD FOOTING
Abut-Fwd	Matl: CONCRETE	Type: GRAVITY	Fnd: SPREAD FOOTING
Pier-Pred	Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
Pier-Other	Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)
Pier-Other	Matl: NONE	Type: NONE	Fnd: NONE (SUCH AS MOST CULVERTS)

No of Piers Predominate: | Other: | Other:
(86) Stream Velocity: 00000 | (74) Scour: BRIDGE FOUNDATIONS DETERMINED TO BE STAB
(189) Dive: N Freq: 0 | Probe: Y Freq: 0 | (75) Chan Prot: NONE
(189) Date of last Dive Insp: | (152) Drainage Area: UUU Sq Mi

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

(48) Design Load: HS20
Opr Rat Fact: 0.740 LD:
Inv Rat Fact: 0.300 LD:
(83) Ohio Percent of Legal Load: 90
Year of Rating: 2012
(84) Analysis: ALLOWABLE STRESS RATING (ASR) OR WORKING
(85) Rate Soft: COMBINATION
Analysis on Bars: NOT ON BARS [DEFAULT]
PE#: 43709 DANIEL BUCHER

(88-89) Appraisal

(Including calculated Items)
(88) Waterway Adequacy: 8
(89) Approach Alignment: 7
Calc Gen Appraisal: 3
Calc Deck Geometry: 4
Calc Underclearance: N

Approach Information

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

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-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 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:

General Information (Continued)

(---) Hist Significance: NOT ELIGIBLE
(69) NBIS: Y
(---) Hist Builder: NONE N/A
Hist Build Year: 1927
(69) Hist Type: SHAPED
(161) Special Features (see below):
(105) Border Bridge State: Resp: %(106) SFN:

Proposed Improvements

(90) Type Work: -
(90) Length: Ft
(90) Bridge Cost ($1000s):
(90) Roadway Cost ($1000s):
(90) Total Project Cost ($1000s):
(90) Year:
(91) Future ADT (On Bridge): 1055
(92) Year of Future ADT: 2031

Programming Info

PID Number:
PID Status:
PID Date:

Original Plans Information

(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: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI

(153) Repair Projects:

Inspection Summary

(I-8) Deck:	5
(I-32) Superstructure:	4
(I-42) Substructure:	4
(I-50) Culvert:	N
(I-54) Channel:	7
(I-60) Approaches:	6
(I-66) General Appraisal:	4
(I-66) Operational Status:	P
Inspection Date:	3/18/2014
(94) Desig Insp Freq	12 Months

(I-69) Survey Items

Railings:	
Transitions:	
Guardrail:	
Rail Ends:	
In Depth:	
Fracture Critical:	
Scour Critical	
Critical Findings:	
Insp. Update Date:	3/18/2014

Utilities

(46)	Electric:	U
	Gas:	U
	Sanitary Sewer:	U
	Telephone:	U
	TV Cable:	U
	Water:	U
	Other:	U

Special Features

(161)	Lighting:	N
	Fencing:	N
	Glare-Screen:	N
	Splash-Guard:	N
	Catwalks:	N
	Other-Feat:	U
(184)	Signs-On:	N
	Signs-Under	N
(162)	Fence-Ht	0.0
(163)	Noise Barr	N

SFNs Replacing this retired bridge: -
SFNs That were replaced by this bridge: -
This bridge was retired and copied to:
The bridge was copied from:

INV Field Bridge Marker: ALL - C0088 - 0395 - N
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: 0254134 | ALL CO | C0088 Route | 03950 SLM | ALL-T-75199-SUGAR CREEK TWP FIPS | **DATE BUILT** 07/01/1927

District 01 | **CONCRETE/GIRDER (FLOOR SYSTEM)** | **Type of Service** 1 | 15 PIKE RUN LINCOLN HWY | N SD | ALL

DECK

1. Floor	Out/Out 26.3 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK= 4.0 6-BITUMINOUS (ASPHALTIC CONCRETE) -	1
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE		4. Median	W.S. Date = 07/01/1990 N-NO MEDIAN	
5. Railing	5-REINFORCED CONCRETE POST AND CONCRETE PA	2	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	2
7. Expansion Joints	N-NONE		**8. SUMMARY**	Deck Area: 1,130	5

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 40	1	10. Beams/Girders/Slab	5-CONCRETE GIRDER	**3**
11. Diaphragms or Cross Frames	TOT.LGTH = 43		12. Joist/Stringers		
13. Floorbeams			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: 659 TRUCK: 0 YEAR: 2006		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		S	**32. SUMMARY**		4

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	**3**	34. Abutment Seats	PIERS= # OF SPANS=1	
35. Piers	TYPE = N-NONE		36. Pier Seats		
37. Backwalls			38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING	2
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	8-BRIDGE FOUNDATIONS DETERMINED TO BE STAB	**2**
41. Slope Protection	N-NONE		**42. SUMMARY**	DIVE DT= N/A	4

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		1	52. Protection	N-NONE	
53. Hydraulic Opening		1	**54. SUMMARY**		7

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs		
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint		
59. Embankment	BRDG.WIDTH=24.2	1	**60. SUMMARY**	PCT.LEGAL= 90	6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY	
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

Print First & Last Name | PE Number | JH Initial

Inspected Date: 3/18/2014

68. REVIEWED BY

Print First & Last Name | 66,232 PE Number | BR Initial

Reviewed Date: 1/1/0001

69. Survey (1, 0, N)