HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Clark County [023]	Springfield [74118]	0.2 MI W OF BECHTLE AVE	39-56-00 = 39.933333	083-50-12 = -83.836667

1260529	Highway agency district: 7	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		
Route: #Num!		SNYDER PARK RD N.	Toll: On free road [3]	Features intersected: BUCK CREEK	

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Arch - Deck [11]	0	Other [00]	Year built: 1897	Year reconstructed: 1995
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	37.8 m = 124.0 ft	Length of maximum span	36.6 m = 120.1 ft	Deck width, out-to-out	11 m = 36.1 ft	Bridge roadway width, curb-to-curb	6.7 m = 22.0 ft
Inventory Route, Total Horizontal Clearance	6.7 m = 22.0 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	Corrugated Steel [6]
Type of wearing surface	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	9 metric ton = 9.9 tons	
19.9 km = 12.3 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	9 metric ton = 9.9 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	500	Average daily truck traffi	1 %	Year	1996	Future average daily traffic	694
Year	2028						
Road classification	Local (Urban) [19]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	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 - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	6

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	March 2010 [0310]	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: **07** County **CLARK** (101) Location: **0.2 MI W OF BECHTLE AVE** (102) Facility Carried: **SNYDER PARK RD N.**
(2)FIPS Code: **SPRINGFIELD** (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: **CITY/LOCAL** (96) Maint: **CITY/LOCAL** (97) Routine: **CITY/LOC** (100) Type Serv: (On): **HIGHWAY/PEDESTRIAN** (Under): **WATERWAY**

Inventory Route Data

(3) Route On/Under: **ON** Hwy Sys: **MUNICIPAL STREET**
Route No.: **SNYPK** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **BUCK CREEK**
(5) County: **CLA** Mileage: **0001** Special Desig:
(6) Avg. Daily Traffic(ADT): **500** (7) ADT Year: **1996**
(8) Truck Traf: **5** (14) NHS: **NO** - **X** (15) Corridor: **N**
(16) Functional Class: **LOCAL ROAD-URBAN** (19) Strahnt: **Not Applicable**

Intersected Route Data

(22) Route On/Under: Hwy Sys:
Route No.: Dir: Des: Pref:
(23) Feature Intersected:
(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

(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **21.9** Ft
(155) Prac Max Vert On Brg: **9999.9** Ft
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **9999.9** Ft
(80) Min Latl Clr: NC: **0.0 / 0.0** Ft Card: **1.0 / 1.0** Ft
(81) Vrt Clr Lft: **0.0** Ft

Structure Information

(38) Bypass Length: **XX** Miles
(39) Latitude: **39 Deg 56.0 Min** Longitude: **83 Deg 50.2 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1897** (42) Major Rehabilitation: **01/01/1995**
(43) No. Lanes On: **2** No. Lanes Under: **0**
(44) Horiz Curve: **00 Deg. 00 Min.** (45) Skew: **0** Deg
(49) App. Rdw Width: **26** Ft (50) Brg. Rdw Width: **21.9** Ft
(51) Deck Width: **36.0** Ft Deck Area: **4467** Sq. Ft
(52) Median Type: **NONE** / **NON BARRIE** / **NO JOINT**
(53) Bridge Median: **NO MEDIAN**
(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**
(58) Railing: **OTHER**
(59) Deck Drainage: **SCUPPERS & DWNSPTS**
(60) Deck Type: **CORRUGATED STEEL PLATE**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **BITUM (ASPHLT CONCRT)**
Thickness: **3.0** in (119) Date of Wearing Surface: **01/01/1990**
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

(63) Main Spans Number: **1** Type: **STEEL** / **ARCH** / **DECK**
Approach Spans Number: **0** Type: **NONE** / **NONE** / **NONE**
Total Spans: **1** (65) Max Span: **120** Ft (66) Overall Leng: **124** Ft

(70) Substructure	(71) Foundation and Scour Information	
Abut-Rear Matl: **STONE**	Type: **GRAVITY**	Fnd: **SPREAD FOOTING**
Abut-Fwd Matl: **STONE**	Type: **GRAVITY**	Fnd: **SPREAD FOOTING**
Pier-Pred Matl: **NONE**	Type: **NONE**	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)**
No of Piers Predominate: **NN**	Other: **NN**	Other: **NN**

(86) Stream Velocity: **006** (74) Scour: **STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE**
(189) Dive: **N Freq: 0** Probe: **Y** Freq: **12** (75) Chan Prot: **NONE**
(189) Date of last Dive Insp: (152) Drainage Area: **0139** 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: **UNKNOWN [DEFAULT]**
(83) Operating: **10** Ton
Inventory: **10** Ton
Ohio Percent of Legal Load **25**
Year of Rating: **1996**
(84) Analysis: **ENGINEERING JUDGEMENT [DEFAULT]**
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by:
Analysis on Bars: **NOT ON BARS [DEFAULT]**

(88-89) Appraisal

(Including calculated Items)
(88) Waterway Adequacy **9**
(89) Approach Alignment **6**
Calc Gen Appraisal: **3**
Calc Deck Geometry: **4**
Calc Underclearance: **N**

Approach Information

(109) Approach Guardrail: **NONE**
(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

(121) Main Member **N/A (CULVERTS, TRUSSES, ETC.)** (122) Moment Plate: **NOT APPLICABLE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **NONE/NONE**
(126) Navigation: **Control- N** 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 OR MORE ARCHES (RIVETED)** (135) Hinges: **SEATED HINGES**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN** Paint: **OTHER**
Bridge Dedicated Name:

General Information (Continued)

(---) Hist Significance: **NON-REGISTERED HISTORIC BRIDGE** (69) NBIS: **Y**
(---) Hist Builder: **UNKNOWN** Hist Build Year: **1897**
(69) Hist Type: **THREE HINGE**
(161) Special Features (see below):
(105) Border Bridge State: Resp % (106) SFN:

Proposed Improvements

(90) Type Work: **-**
(90) Length: Ft
(90) Bridge Cost ($1000s): **0**
(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**

Programming Info

PID Number: **14310**
PID Status: **PROGRAM**
PID Date: **07/11/1995**

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: **1PLAN INFORMATION AVAILABLE**

(153) Repair Projects

1. **/ MMM**	2. **/ 020**	3. **/**
4.	5.	6.
7.	8.	9.
10.		

Inspection Summary

(I-8) Deck:	**4**
(I-32) Superstructure:	**4**
(I-42) Substructure:	**4**
(I-50) Culvert:	
(I-54) Channel:	**6**
(I-60) Approaches:	**6**
(I-66) General Appraisial:	**4**
(I-66) Operational Status:	**P**
Inspection Date:	**03/09/2010**
(94) Desig Insp Freq:	**12 Months**

(I-69) Survey Items

Railings:	**0 DOES NOT MEET CURRENT STANDARDS**
Transitions:	**0 DOES NOT MEET CURRENT STANDARDS**
Guardrail:	**0 DOES NOT MEET CURRENT STANDARDS**
Rail Ends:	**0 DOES NOT MEET CURRENT STANDARDS**
Pavement Mark:	**0 DOES NOT MEET CURRENT STANDARDS**
Restrict Sign:	**1 MEETS CURRENT STANDARDS**
Warning Sign:	**1 MEETS CURRENT STANDARDS**
End Markers:	**1 MEETS CURRENT STANDARDS**
Insp. Update Date:	**03/12/2010**

Utilities

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

Special Features

(161) Lighting:	**N**
Fencing:	**N**
Glare-Screen:	**N**
Splash-Guard:	**N**
Catwalks:	**N**
Other-Feat:	**N**
(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: **CLA-SNYPK-0001 -**
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

1 Structure File Number 7: 1 2 6 0 5 2 9

Bridge Number: CLA (CO) SNYPK (ROUTE) 0001 (UNIT) — SPRINGFIELD — Date Built 07/01/1897 - 1995

District 07 — Bridge Type STEEL/ARCH/DECK — Type Service 1 — 55 BUCK CREEK — CLA

DECK	Out/Out 36.0			THCK = 3.0	
1. Floor	6-CORRUGATED STEEL PLATE 8	3	2. Wearing Surface	6-BITUM (ASPHLT CONCRT) 41	2
	3-TIMBER			W.S. Date = 01/01/1990	
3. Curbs, Sidewalks, Walkways	3-TIMBER 9	1	4. Median	42	
5. Railing	0-OTHER 10	1	6. Drainage	3-SCUPPERS & DWNSPTS 43	1
7. Expansion Joints	N-NONE 11		**8. Summary**	44	4
SUPERSTRUCTURE	MAX.SPAN=120				
9. Alignment	12	1	10. Beams/Girders/Slab	N-N/A (CULVERTS, TRUSSES 45	
	TOT.LGTH=124				
11. Diaphragms or Crossframes	13		12. Joists/Stringers	46	2
13. Floor Beams	14	3	14. Floor Beam Connections	47	3
15. Verticals	15		16. Diagonals	48	
17. End Posts	16		18. Top Chord	49	
19. Lower Chord	17		20. Lower Lateral Bracing	50	4
21. Top Lateral Bracing	18		22. Sway Bracing	51	
				N-NONE	
23. Portals	19		24. Bearing Devices	N-NONE 52	
25. Arch	20	1	26. Arch Columns or Hangers	53	
				TYPE = 0-OTHER	
27. Spandrel Walls	21		28. Protective Coating System	DATE = 01/01/1979 54	5
29. Pins/Hangers/Hinges	22	2	30. Fatigue Prone Connections	55	
31. Live Load Response	23	S	**32. Summary**	56	4
SUBSTRUCTURE	1-STONE		PIERS=0	SPANS = 1	
33. Abutments	1-STONE 24	2	34. Abutment Seats	57	3
35. Piers	TYPE = N-NONE 25		36. Pier Seats	58	
37. Backwalls	26		38. Wingwalls	ABUTMENT:=SPREAD / SPREAD 59	1
39. Fenders and Dolphins	27		40. Scour	5-STABLE: SCOUR WITHIN L 60 2	1
41. Slope Protection	N-NONE 28		**42. Summary**	DIVE DT=N/A 62	4
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				N-NONE	
51. Alignment	33	2	52. Protection	67	
53. Waterway Adequacy	34	1	**54. Summary**	68	6
APPROACHES					
55. Pavement	2-BITUMINOUS 35	2	56. Approach Slabs	69	
57. Guardrail	N-NONE 36		58. Relief Joints	70	
59. Embankment	BRDG.WIDTH=21.9 37	1	**60. Summary**	PCT.LEGAL=25 71	6
GENERAL				ROUTINE.RESP: 4-CITY/LOCAL	
61. Navigation Lights	38		62. Warning Signs	MAINT.RESP: 4-CITY/LOCAL 72	1
	MVC ON=9999 UND=0000				
63. Sign Supports	39		64. Utilities	73	
65. Vertical Clearance	40	N	**66. General Appraisal & Operational Status**	74 COND 4 STAT P	

67. INSPECTED BY — SIGNED — 76 PE — 78 INITIALS

68. REVIEWED BY — SIGNED — 81 PE: 6 3 8 4 2 — 83 INITIALS: L R S

DOT 2852

DECK AREA 4,467

Date 86: 0 3 0 9 1 0 (91)

92: 0 0 0 0 0 1 1 1 (69 Survey 99)

Date 100: 0 3 1 0 1 0 (105)

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRIDGE INSPECTION REPORT

BR-86 REV 02-95

1	2	6	0	5	2	9

1 Structure File Number 7

Bridge Number **CLA** (CO) **SNYPK** (ROUTE) **0001** (UNIT)

Date Built 07/01/1897 - 1995

District **07** Bridge Type **STEEL/ARCH/DECK**

Type Service **1** **5** **5**

BUCK CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.