

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] Hanover [33299] N OF INT W/ CR 585 40-04-41 = 40.078056 082-15-00 = - 82.250000

4538102 Highway agency district 5 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! SEVEN HILLS ROAD Toll On free road [3] Features intersected PANHANDLE RAILROAD

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

1 Truss - Thru [10] 0 Other [00] Year built 1920 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

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

Total length 27.4 m = 89.9 ft Length of maximum span 26.5 m = 86.9 ft Deck width, out-to-out 7.3 m = 24.0 ft Bridge roadway width, curb-to-curb 6.8 m = 22.3 ft

Inventory Route, Total Horizontal Clearance 6.8 m = 22.3 ft Curb or sidewalk width - left 0.3 m = 1.0 ft Curb or sidewalk width - right 0.3 m = 1.0 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 0.6 km = 0.4 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 6.2 metric ton = 6.8 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 9.1 metric ton = 10.0 tons

Bridge posting 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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

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

Condition ratings - deck

Poor [4]

Scour

Bridge not over waterway. [N]

Channel and channel protection

Not applicable. [N]

Appraisal ratings - water adequacy

N/A [N]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

20.3

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

September 2012 [0912]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

October 2012 [1012]

Other special inspection

Not needed [N]

Other special inspection date

Structure File Number: 4538102

Inventory Bridge Number: LIC T0232 0 N

BR. Type: STEEL/TRUSS/PONY (TRUSS)

Sufficiency Rating: 020.3 SD

ROUTE CARRIED "ON" THE STRUCTURE PANHANDLE RAILROAD

Date of Last Inventory Update:

District: 05	County: LICKING	(101) Location: N OF INT W/ CR 585	(102) Facility Carried: SEVEN HILLS ROAD
(2) FIPS Code: LIC-T-33299-HANOVER TWP		(103) Route On Bridge: TOWNSHIP	(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): RAILROAD
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: COUNTY HIGHWAY (TOWNS	(63) Main Spans Number: 1	Type: STEEL/TRUSS/PONY (TRUSS)
Route No: T0232	Dir: NOT APPLICABLE	Approach Spans Number: 0	Type: NONE/NONE/NONE
Des: MAINLINE	Pref: N	Total Spans: 1	(65) Max Span: 87 Ft
(4) Feature Intersected: PANHANDLE RAILROAD			(66) Overall Leng: 90 Ft
(5) County: HAN	Mileage: 0	(70) Substructure	(71) Foundation and Scour Information
(6) Avg. Daily Traffic(ADT): 316	Special Desig: N	Abut-Rear	Matl: CONCRETE A
(7) ADT Year: 2008		Type: SOLID WALL	Fnd: UNKNOWN
(8) Truck Traf: 252	(14) NHS: NON-NHS BRG E	Abut-Fwd	Matl: STONE
(15) Corridor: N		Type: GRAVITY	Fnd: UNKNOWN
(16) Functional Class: RURAL - LOCAL	(19) Strahnt: NON-STRAHNET BRIDGES	Pier-Pred	Matl: NONE
		Type: NONE	Fnd: UNKNOWN
		Pier-Other	Matl: NONE
		Type: NONE	Fnd: UNKNOWN
		Pier-Other	Matl: NONE
		Type: NONE	Fnd: UNKNOWN
		No of Piers Predominate:	Other:
		(86) Stream Velocity: 00000	(74) Scour: BRIDGE NOT OVER WATERWAY.
		(189) Dive: N Freq: 0	Probe: N Freq: 0
		(189) Date of last Dive Insp:	(152) Drainage Area: 000 Sq Mi
			(75) Chan Prot: NOT APPLICABLE
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: 22.2 Ft	
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0	Card: 9999.9 Ft	
(80) Min Latl Clr:	NC: 0.0/0.0 Ft	Card: 1.5/1.2 Ft	
(81) Vrt Clr Lft:	0.0 Ft		
Structure Information			
(38) Bypass Length: 04 Miles			
(39) Latitude: 40 Deg 04 Min 35.36 Sec	Longitude: 82 Deg 14 Min 57.16 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1875	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 19 Ft	(50) Brg. Rdw Width: 22.3 Ft		
(51) Deck Width: 23.9 Ft	Deck Area: 2153 Sq. Ft		
(52) Median Type: LEVEL MEDIAN/NON BARRIER/OPEN JOINT			
(53) Bridge Median: OPEN MEDIAN			
(54) Sidewalks:	(left) 0.9 Ft	(right) 0.9 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: CONCRETE	Type: FELLOE GUARDS		
(Right) Matl: CONCRETE	Type: FELLOE GUARDS		
(56) Flared: N	(57) Composite: U - NOT APPLICABLE		
(58) Railing: NONE			
(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: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN			
Thickness: 1.0 in	(119) Date of Wearing Surface:		
Slope Protection: NONE			
Clearance Under the Bridge			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 46.0 Ft	
(157) Prac Max Vrt Under Clear:	54.2 Ft		
(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 54.2 Ft	
(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 29.0/17.0 Ft	
Load Rating Information			
(48) Design Load: UNKNOWN			(88) Waterway Adequacy: N
Opr Rat Fact: 0.280 LD:			(89) Approach Alignment: 5
Inv Rat Fact: 0.190 LD:			Calc Gen Appraisal: 0
(83) Ohio Percent of Legal Load: 50			Calc Deck Geometry: 4
Year of Rating: 2009			Calc Underclearance: 7
(84) Analysis: FIELD EVALUATION AND DOCUMENTED ENGINEER			
(85) Rate Soft: COMBINATION			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 0			
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: NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE			(122) Moment Plate: NOT APPLICABLE
(169) Expansion Joint: NONE			
(124) Bearing Devices: ROLLERS			
(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: Y	Freq: 24	Date: 10/27/2014	
(138) Long Member: TWO TRUSSES (RIVETED)			(135) Hinges: PINS, PIN PLATES
(141) Structural Steel Memb: UNKNOWN			(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:			

Unit of Measure: **English**
 Structure File Number: 4538102
 Sufficiency Rating: 020.3 SD

Bridge Inventory Information

Inventory Bridge Number: LIC T0232 0 N

BR. Type: STEEL/TRUSS/PONY (TRUSS)

ROUTE CARRIED "ON" THE STRUCTURE PANHANDLE RAILROAD

Date of Last Inventory Update:

General Information (Continued)				Original Plans Information			
(---) Hist Significance: ELIGIBLE FOR NATIONAL REGISTER (---) Hist Builder: RAILROAD (69) Hist Type: (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1875		(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:			
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): 347		(92) Year of Future ADT: 2030					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	4	Railings:	DOES NOT MEET ACCEPTABLE STAND	(46) Electric:	N	(161) Lighting:	N
(I-32) Superstructure:	4	Transitions:	DOES NOT MEET ACCEPTABLE STAND	Gas:	Y	Fencing:	Y
(I-42) Substructure:	5	Guardrail:	DOES NOT MEET ACCEPTABLE STAND	Sanitary Sewer:	N	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	DOES NOT MEET ACCEPTABLE STAND	Telephone:	N	Splash-Guard:	N
(I-54) Channel:	N	In Depth:		TV Cable:	N	Catwalks:	N
(I-60) Approaches:	5	Fracture Critical:		Water:	N	Other-Feat:	N
(I-66) General Appraisal:	4	Scour Critical:		Other:	N	(184) Signs-On:	N
(I-66) Operational Status:	K	Critical Findings:				Signs-Under:	N
Inspection Date:	10/27/2014	Insp. Update Date:	10/27/2014			(162) Fence-Ht:	5.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge:		-		INV Field Bridge Marker: LIC - T0232 - 0000 - N			
SFNs That were replaced by this bridge:		-		INT Field Bridge Marker: - - 0000 -			
This bridge was retired and copied to:							
The bridge was copied from:							
(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: 4538102 LIC CO T0232 Route 0 SLM LIC-T-33299-HANOVER TWP FIPS DATE BUILT 07/01/1875 N SD LIC
District 05 STEEL/TRUSSPONY (TRUSS) Type of Service 1 12 PANHANDLE RAILROAD

DECK

1. Floor	Out/Out 23.9 1-REINFORCED CONCRETE	3	2. Wearing Surface	2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	THCK=1.0	2
3. Curbs, Sidewalks & Walkways	1-CONCRETE 1-CONCRETE	2	4. Median		W.S. Date = 1-OPEN MEDIAN	
5. Railing	N-NONE		6. Drainage	3-SCUPPERS AND DOWNSPOUTS		3
7. Expansion Joints	N-NONE		8. SUMMARY	Deck Area: 2,153		4

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 87	1	10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE)		
11. Diaphragms or Cross Frames	TOT.LGTH = 90		12. Joist/Stringers			
13. Floorbeams		3	14. Floorbeam Connections			
15. Verticals		3	16. Diagonals			2
17. End posts			18. Upper Chord			2
19. Lower Chord		2	20. Gusset Plates			
21. Lateral Bracing		3	22. Sway Bracing			3
23. Portals			24. Bearing Devices		1-ROLLERS N-NONE	2
25. Arch			26. Arch Columns or Hangers			
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: NNONE OR NOT APPLICABLE DATE =		3
29. Pins/Hangers/Hinges	ADT: 316 TRUCK: 252 YEAR: 2008	3	30. Fatigue Prone Detail (E & E')			1
31. Live Load Response (E or S)		E	32. SUMMARY			4

SUBSTRUCTURE

33. Abutments	1-STONE 3-CONCRETE AND STONE	2	34. Abutment Seats	PIERS=	# OF SPANS=1	2
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)	N-BRIDGE NOT OVER WATERWAY,		
41. Slope Protection	N-NONE	2	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			52. Protection	X-NOT APPLICABLE		
53. Hydraulic Opening			54. SUMMARY			N

APPROACHES

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs			
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint			
59. Embankment	BRDG.WIDTH=22.3	2	60. SUMMARY	PCT.LEGAL= 50		5

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=5403		64. Utilities	GAS/		2
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status			4 K

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 10/27/2014

60.606
PE Number

CP Initial
0 0 0 0

Print First & Last Name

71.772
PE Number

MC
Initial

Reviewed Date: 10/27/2014

69. Survey (1, 0, N)