

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]	Lucas County [095]	Toledo [77000]	NO DATA	00-00-00 = 0.000000	000-00-00 = - 0.000000
4860624	Highway agency district	Owner	Maintenance responsibility		
Route #Num!	NORFOLK SOUTHERN	Toll	On free road [3]	Features intersected	NORFOLK SOUTHERN
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
	Truss - Thru [10]			Year built #Num!	Year reconstructed
				Skew angle	Structure Flared
				Historical significance	
Total length	32 m = 105.0 ft	Length of maximum span	25.9 m = 85.0 ft	Deck width, out-to-out	Bridge roadway width, curb-to-curb
Inventory Route, Total Horizontal Clearance	18.3 m = 60.0 ft	Curb or sidewalk width - left		Curb or sidewalk width - right	
Deck structure type					
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	
0 km = 0.0 mi	Method to determine operating rating		Operating rating	
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

Appraisal ratings - structural

Condition ratings - superstructure

Appraisal ratings - roadway alignment

Condition ratings - substructure

Appraisal ratings - deck geometry

Condition ratings - deck

Scour

Channel and channel protection

Appraisal ratings - water adequacy

Status evaluation

Pier or abutment protection

Sufficiency rating

Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Designated inspection frequency

Months

Underwater inspection

Underwater inspection date

Fracture critical inspection

Fracture critical inspection date

Other special inspection

Other special inspection date

Unit of Measure: **English**
Structure File Number **4860624**
Sufficiency Rating: **N/A ??**

Bridge Inventory Information
Inventory Bridge Number:**LUC 01W27 0783**
UNDER NORFOLK SOUTHERN

Report Date **02/28/2013** BM-191 Page: 1 of 2
BR. Type STEEL / TRUSS / THRU
Date of Last Inventory Update: **10/22/2012**

District: **02** County **LUCAS** (101) Location: **NO DATA** (102) Facility Carried: **NORFOLK SOUTHERN**
(2)FIPS Code: **TOLEDO** (103) Route On Bridge: **NON-HIGHWAY** (104) Route Under Bridge: **MUNICIPAL**
(9) Direction of Traffic: **HIGHWAY TRAFFIC NOT CARRIED** (10) Temporary: **N** (11)Truck Network: **N** (12)Parallel: **N**
(95) Insp: **CITY/LOCAL** (96) Maint: **RAILROAD** (97) Routine: **RAILROAD** (100) Type Serv: (On): **RAILROAD** (Under): **HIGHWAY, WITH OR WIT**

Inventory Route Data
(3) Route On/Under: **UNDER** Hwy Sys: **MUNICIPAL STREET**
Route No.: **01W27** Dir: Des: **MAINLINE** Pref:
(4) Feature Intersected: **NORFOLK SOUTHERN**
(5) County: **TOL** Mileage: **0783** Special Desig:
(6) Avg. Daily Traffic(ADT): **15,400** (7) ADT Year: **1995**
(8) Truck Traf: **2,310** (14) NHS: **NO - X** (15) Corridor: **N**
(16) Functional Class: **MINOR ARTERIAL-URBAN** (19) Strahnt: **Not Applicable**

(63) Main Spans Number: **1** Type: **STEEL / TRUSS / THRU**
Approach Spans Number: **2** Type: **TIMBER / BEAM / CONTINUOUS**
Total Spans: **3** (65) Max Span: **85** Ft (66) Overall Leng: **105** Ft

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**

(70) Substructure (71) Foundation and Scour Information
Abut-Rear Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Abut-Fwd Matl: **TIMBER** Type: **OTHER** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Pred Matl: **STONE** Type: **GRAVITY** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Other Matl: **TIMBER** Type: **CELLULAR OR "U"** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **UNKNOWN (OR OLDER BRIDGE BEING ADDED)**
No of Piers Predominate: **01** Other: **01** Other: **NN**
(86) Stream Velocity: **NNN** (74) Scour: **BRIDGE NOT OVER WATERWAY**
(189) Dive: **N Freq: 0** Probe: **N Freq: 0** (75) Chan Prot: **N/A**
(189) Date of last Dive Insp: (152) Drainage Area: **NNN** Sq Mi

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

Clearance Under the Bridge
(156) Min. Horiz Under Clear: NC: **0.0** Ft Card: **60.0** Ft
(157) Prac Max Vrt Under Clear: **14.2** Ft
(77) Min Vert Under Clear: NC: **0.0** Ft Card: **14.2** Ft
(78) Min Lat Under Clear: NC: **0.0 / 0.0** Ft Card: **6.4 / 6.4** Ft

Structure Information
(38) Bypass Length: **00** Miles
(39) Latitude: **41 Deg 38.5 Min** Longitude: **83 Deg 33.0 Min**
(40) Toll: **NONE/NOT APPLICABLE**
(41) Date Built: **07/01/1900** (42) Major Rehabilitation:
(43) No. Lanes On: **0** No. Lanes Under: **4**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **5** Deg
(49) App. Rdw Width: **0** Ft (50) Brg. Rdw Width: **0.0** Ft
(51) Deck Width: **40.0** Ft Deck Area: **4198** 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: **NONE** Type: **NONE**
(Right) Matl: **NONE** Type: **NONE**
(56) Flared: **N** (57) Composite: **not applicable**
(58) Railing: **NONE**
(59) Deck Drainage: **OTHER-NATURAL(OFF THE BRIDGE ENDS)**
(60) Deck Type: **TIMBER PLANK**
(61) Deck Protection: External: **NONE**
Internal: **NONE**
(62) Wearing Surface: **NOT APPLICABLE (CULVERT UNDER FILL ETC)**
Thickness: **0.0** in (119) Date of Wearing Surface:

Load Rating Information (88-89) Appraisal
(48) Design Load: **RAILROAD** (Including calculated items)
(83) Operating: **60** Ton
Inventory: **60** Ton
Ohio Percent of Legal Load **0** (88) Waterway Adequacy **N**
Year of Rating: **2000** (89) Approach Alignment **N**
(84) Analysis: **N/A (RR BRIDGES, PEDESTRIAN, BUILDINGS)** Calc Gen Appraisal: *
(85) Rate Soft: **NO SOFTWARE USED** Analyzed by: Calc Deck Geometry: *
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: *

Approach Information
(109) Approach Guardrail: **NOT APPLICABLE**
(110) Approach Pavement: **NONE/NOT APPLICABLE** (111) Grade: **NONE/NOT APPLICABLE**
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: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (BRONZE)/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 TRUSSES (WELDED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN**

Approach Information
(109) Approach Guardrail: **NOT APPLICABLE**
(110) Approach Pavement: **NONE/NOT APPLICABLE** (111) Grade: **NONE/NOT APPLICABLE**

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: **NONE**
(169) Expansion Joint: **NONE**
(124) Bearing Devices: **SLIDING (BRONZE)/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 TRUSSES (WELDED)** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN**

Unit of Measure: **English**
 Structure File Number **4860624**
 Sufficiency Rating: **N/A ??**

Bridge Inventory Information
 Inventory Bridge Number:**LUC 01W27 0783**
UNDER NORFOLK SOUTHERN

Report Date **02/28/2013** **BM-191** Page: 2 of 2
BR. Type STEEL/TRUSS/THRU
 Date of Last Inventory Update: **10/22/2012**

General Information (Continued) Original Plans Information

(---) Hist Significance: **NON-REGISTERED HISTORIC BRIDGE** (69) NBIS: **Y**
 (---) Hist Builder: **DETROIT BRIDGE AND IRON** Hist Build Year: **1888**
WORKS
 (69) Hist Type: **DOUBLE INTERSECTION WARREN PONY**
 (161) Special Features (see below):
 (105) Border Bridge State: Resp % (106) SFN:

(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: **NNOT APPLICABLE**

Proposed Improvements Programming Info

(90) Type Work: - PID Number:
 PID Status:
 PID Date:
 (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: **2029**

(153) Repair Projects
 1. 2. 3.
 4. 5. 6.
 7. 8. 9.
 10.

Inspection Summary (I-69) Survey Items

(I-8) Deck: 3	Railings: N NONE N/A
(I-32) Superstructure: 5	Transitions: N NONE N/A
(I-42) Substructure: 4	Guardrail: N NONE N/A
(I-50) Culvert:	Rail Ends: N NONE N/A
(I-54) Channel:	In Depth: N NONE N/A
(I-60) Approaches:	Fracture Critical: N NONE N/A
(I-66) General Appraisal: 4	Scour Critical: N NONE N/A
(I-66) Operational Status: X	Critical Findings: N NONE N/A
Inspection Date: 10/20/2012	Insp. Update Date: 10/22/2012
(94) Desig Insp Freq: 12 Months	

Utilities Special Features

(46) Electric: U	(161) Lighting: N
Gas: U	Fencing: N
Sanitary Sewer: U	Glare-Screen: N
Telephone: U	Splash-Guard: N
TV Cable: U	Catwalks: N
Water: U	Other-Feat: U
Other: U	(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: **LUC-01W27-0783 -**
 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

4	8	6	0	6	2	4
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Bridge Number **LUC 01W27 0783**
CO ROUTE UNIT

TOLEDO

Date Built **07/01/1900**

District **02** Bridge Type **STEEL/TRUSS/THRU**

Type Service **2 21 NORFOLK SOUTHERN**

LUC

DECK		Out/Out 40.0	4	THCK = 0.0	
1. Floor	3-TIMBER PLANK	8		2. Wearing Surface	N-NOT APPLICABLE (CULVER
	N-NONE				W.S. Date =
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median	42
5. Railing	N-NONE	10		6. Drainage	0-OTHER-NATURAL(OFF THE
7. Expansion Joints	N-NONE	11		8. Summary	44
SUPERSTRUCTURE		MAX.SPAN=85	1	10. Beams/Girders/Slab	
9. Alignment		12		N-N/A (CULVERTS, TRUSSES	45
11. Diaphragms or Crossframes	TOT.LGTH=105	13		12. Joists/Stringers	46
13. Floor Beams		14	3	14. Floor Beam Connections	47
15. Verticals		15	2	16. Diagonals	48
17. End Posts		16	2	18. Top Chord	49
19. Lower Chord		17	2	20. Lower Lateral Bracing	50
21. Top Lateral Bracing		18		22. Sway Bracing	51
23. Portals		19		24. Bearing Devices	3-SLIDING (BRONZE) N-NONE
25. Arch		20		26. Arch Columns or Hangers	53
27. Spandrel Walls		21		28. Protective Coating System	TYPE = 0-OTHER DATE =
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections	55
31. Live Load Response		23	S	32. Summary	56
SUBSTRUCTURE		4-TIMBER	3	PIERS=2 SPANS = 1	
33. Abutments	1-STONE	24		34. Abutment Seats	57
35. Piers	TYPE = 1-STONE	25	2	36. Pier Seats	58
37. Backwalls		26	3	38. Wingwalls	ABUTMENT:=UNKNOWN / UNKNOWN
39. Fenders and Dolphins		27		40. Scour	N-BRIDGE NOT OVER WATERW 60
41. Slope Protection	N-NONE	28		42. Summary	DIVE DT=N/A
CULVERTS				X-N/A	
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				X-N/A	
51. Alignment		33		52. Protection	67
53. Waterway Adequacy		34		54. Summary	68
APPROACHES					
55. Pavement	N-NONE/NOT APPLICABLE	35		56. Approach Slabs	69
57. Guardrail	X-NOT APPLICABLE	36		58. Relief Joints	70
59. Embankment	BRDG.WIDTH=0.0	37		60. Summary	PCT.LEGAL=0
GENERAL				ROUTINE.RESP: 6-RAILROAD	
61. Navigation Lights		38		62. Warning Signs	MAINT.RESP: 6-RAILROAD
63. Sign Supports	MVC ON=0000 UND=0000	39		64. Utilities	73
65. Vertical Clearance		40	N	66. General Appraisal & Operational Status	74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

6	5	5	7	6
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76 PE

K	C
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78 INITIALS

SIGNED

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81 PE

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83 INITIALS

DOT 2852

DECK AREA 4,198

Date

1	0	2	0	1	2
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86

91

N	N	N	N	N	N	N	N
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92

69 Survey

99

Date

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100

105

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BRIDGE INSPECTION REPORT

BR-86 REV 02-95

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1 Structure File Number 7

Bridge Number **LUC 01W27 0783**
CO ROUTE UNIT

Date Built 07/01/1900

District **02** Bridge Type **STEEL/TRUSS/THRU**

Type Service **2 21**

NORFOLK SOUTHERN

00 NO REMARKS FOUND FOR THIS INSPECTION.
