

HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

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]	Defiance County [039]	Delaware [21420]	.25 MI S OF JERICHO RD	41-15-50 = 41.263889	084-33-47 = - 84.563056
2042398	Highway agency district 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		PLATTER CREEK RD	Toll On free road [3]	Features intersected	PLATTER CREEK
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1934
				Year reconstructed	1982
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	18.3 m = 60.0 ft	Length of maximum span	17.4 m = 57.1 ft	Deck width, out-to-out	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Wood or Timber [8]				
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	2.6 metric ton = 2.9 tons
0.6 km = 0.4 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	2.6 metric ton = 2.9 tons
	Bridge posting		Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	90	Average daily truck traffi	0	%	Year	2005	Future average daily traffic	139	Year	2028
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.3 m = 14.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		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	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	\$72,000	Roadway improvement cost	\$7,000
	Length of structure improvement	79.3 m = 260.2 ft	Total project cost	\$90,000
	Year of improvement cost estimate	2003		
	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 replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Equal to present desirable criteria [8]
Condition ratings - deck	Satisfactory [6]		
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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	32.1
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	December 2010 [1210]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	December 2010 [1210]
Other special inspection	Not needed [N]	Other special inspection date	

Unit of Measure: English Structure File Number 2042398 Sufficiency Rating: 32.1 SD			Bridge Inventory Information Inventory Bridge Number:DEF T0126 0020 ON PLATTER CREEK			Report Date 09/05/2012 BM-191 Page: 1 of 2 BR. Type STEEL / TRUSS / PONY (TRUSS) Date of Last Inventory Update: 01/30/2012		
District: 01 County DEFIANCE			(101) Location: .25 MI S OF JERICHO RD			(102) Facility Carried: PLATTER CREEK RD		
(2)FIPS Code: DELAWARE TWP			(103) Route On Bridge: TOWNSHIP			(104) Route Under Bridge: NON-HIGHWAY		
(9) Direction of Traffic: ONE LANE FOR 2-WAY TRAFFIC(10) Temporary: N			(11)Truck Network: N			(12)Parallel: N		
(95) Insp: COUNTY (96) Maint: COUNTY (97) Routine: COUNTY			(100) Type Serv: (On): HIGHWAY			(Under): WATERWAY		
Inventory Route Data			(63) Main Spans Number: 1			Type: STEEL / TRUSS / PONY (TRUSS)		
(3) Route On/Under: ON Hwy Sys: COUNTY/TOWNSHIP HIGHWAY			Approach Spans Number: 0			Type: NONE / NONE / NONE		
Route No.: T0126 Dir: Des: MAINLINE Pref:			Total Spans: 1			(65) Max Span: 57 Ft (66) Overall Leng: 60 Ft		
(4) Feature Intersected: PLATTER CREEK			(70) Substructure			(71) Foundation and Scour Information		
(5) County: DEL Mileage: 0020 Special Desig:			Abut-Rear Matl: CONCRETE			Type: GRAVITY Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(6) Avg. Daily Traffic(ADT): 90 (7) ADT Year: 2005			Abut-Fwd Matl: CONCRETE			Type: GRAVITY Fnd: UNKNOWN (OR OLDER BRIDGE BEING ADDED)		
(8) Truck Traf: 1 (14) NHS: NO - X (15) Corridor: N			Pier-Pred Matl: NONE			Type: NONE Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
(16) Functional Class: LOCAL ROAD-RURAL (19) Strahnt: Not Applicable			Pier-Other Matl: NONE			Type: NONE Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
Intersected Route Data			Pier-Other Matl: NONE			Type: NONE Fnd: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
(22) Route On/Under: Hwy Sys:			No of Piers Predominate: NN			Other: NN		
Route No.: Dir: Des: Pref:			(86) Stream Velocity: UUU			(74) Scour: STABLE: EVAL SCOUR ABOVE TOP OF FOOTING		
(23) Feature Intersected:			(189) Dive: N Freq: 0			Probe: Y Freq: 12 (75) Chan Prot: NONE		
(24) County: Mileage: Special Desig:			(189) Date of last Dive Insp:			(152) Drainage Area: 014 Sq Mi		
(25) Avg. Daily Traffic(ADT): 0 (26) ADT Year:			Clearance Under the Bridge					
(27) Truck Traf: 0 (28) NHS: - (29) Corridor:			(156) Min. Horiz Under Clear:			NC: 0.0 Ft Card: 0.0 Ft		
(30) Functional Class: (36) Strahnt: Not Applicable			(157) Prac Max Vrt Under Clear:			0.0 Ft		
Clearance On the Bridge			(77) Min Vert Under Clear:			NC: 0.0 Ft Card: 0.0 Ft		
(154) Min Hriz on Bridge: NC: 0.0 Ft Card: 15.9 Ft			(78) Min Lat Under Clear:			NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft		
(155) Prac Max Vert On Brg: 9999.9 Ft			Load Rating Information (88-89) Appraisal					
(67) Min Vrt Clr On Brg: NC: 0.0 Ft Card: 9999.9 Ft			(48) Design Load: H/15			(Including calculated Items)		
(80) Min Latl Clr: NC: 0.0 / 0.0 Ft Card: 1.5 / 1.6 Ft			(83) Operating: 3 Ton					
(81) Vrt Clr Lft: 0.0 Ft			Inventory: 3 Ton					
Structure Information			Ohio Percent of Legal Load 10			(88) Waterway Adequacy 7		
(38) Bypass Length: 04 Miles			Year of Rating: 2003			(89) Approach Alignment 6		
(39) Latitude: 41 Deg 15.8 Min Longitude: 84 Deg 33.8 Min			(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]			Calc Gen Appraisal: 2		
(40) Toll: ON FREE ROAD			(85) Rate Soft: NO SOFTWARE USED Analyzed by:			Calc Deck Geometry: 8		
(41) Date Built: 07/01/1934 (42) Major Rehabilitation: 01/01/1982			Analysis on Bars: NOT ON BARS [DEFAULT]			Calc Underclearance: N		
(43) No. Lanes On: 1 No. Lanes Under: 0			Approach Information					
(44) Horiz Curve: Deg. Min. (45) Skew: 0 Deg			(109) Approach Guardrail: STEEL BEAM			(111) Grade: FAIR		
(49) App. Rdw Width: 14 Ft (50) Brg. Rdw Width: 15.9 Ft			(110) Approach Pavement: BITUMINOUS					
(51) Deck Width: 16.0 Ft Deck Area: 958 Sq. Ft			Culvert Information					
(52) Median Type: NONE / NON BARRIE / NO JOINT			(131) Culvert Type: NONE/NOT APPLICBLE			(127) Length: 0.0 Ft		
(53) Bridge Median: NO MEDIAN			(129) Depth of Fill: 0.0 Ft			(130) Headwalls: NONE		
(54) Sidewalks: (left) 0 Ft (right) 0 Ft			General Information					
(55) Type Curb or Sidewalks:			(121) Main Member N/A (CULVERTS, TRUSSES, ETC.)			(122) Moment Plate: NONE		
(Left) Matl: NONE Type: NONE			(169) Expansion Joint: NONE					
(Right) Matl: NONE Type: NONE			(124) Bearing Devices: INTEGRAL & SEMI-INTEGRL ABUTMENT BEARING/NONE					
(56) Flared: N (57) Composite: not applicable			(126) Navigation: Control- N			Vert Clr: 0.0 Ft		
(58) Railing: STL GUARDRL ON STL, CONCR, OR TMBR POSTS			(193) Spec Insp: N			Date:		
(59) Deck Drainage: OVER THE SIDE (W/O DRIP STRIP)			(188) Fracture Critical Insp: Y			Date: 2011-12-15		
(60) Deck Type: TIMBER PLANK			(138) Long Member: TWO TRUSSES (RIVETED)			(135) Hinges: NOT APPLICABLE		
(61) Deck Protection: External: NONE			(141) Structural Steel Memb: UNKNOWN			(139) Framing: NONE		
Internal: NONE						Railing: UNKNOWN		
(62) Wearing Surface: OTHER						Paint: OTHER		
Thickness: 0.0 in (119) Date of Wearing Surface: 01/01/1982			Pay Wt: 0 pounds			Prime Loc: UNKNOWN		
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)			Bridge Dedicated Name:					

Unit of Measure: **English**
Structure File Number **2042398**
Sufficiency Rating: **32.1 SD**

Bridge Inventory Information
Inventory Bridge Number:DEF T0126 0020
ON PLATTER CREEK

Report Date 09/05/2012 BM-191 Page: 2 of 2
BR. Type STEEL/TRUSS/PONY (TRUSS)
Date of Last Inventory Update: 01/30/2012

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT HISTORIC (---) Hist Builder: PERKINS BRIDGE & SUPPLY COMPANY (69) Hist Type: PRATT (RIVETED) (161) Special Features (see below): (105) Border Bridge State: Resp % (106) SFN:				(69) NBIS: Y (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: 2FIELD MEASURED INFORMATION			
Proposed Improvements		Programming Info		(153) Repair Projects			
(90) Type Work: 31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM		PID Number:		1. / MMM 2. / 020 3. / 044			
(90) Length: Ft		PID Status:		4.5.6.			
(90) Bridge Cost (\$1000s): 0		PID Date:		7.8.9.			
(90) Roadway Cost (\$1000s): 0				10.			
(90) Total Project Cost (\$1000s): 0		(90) Year:					
(91) Future ADT (On Bridge): 0		(92) Year of Future ADT: 2028					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck: 6		Railings: 0 DOES NOT MEET CURRENT STANDARDS		(46) Electric: N		(161) Lighting: N	
(I-32) Superstructure: 3		Transitions: 0 DOES NOT MEET CURRENT STANDARDS		Gas: N		Fencing: N	
(I-42) Substructure: 7		Guardrail: 0 DOES NOT MEET CURRENT STANDARDS		Sanitary Sewer: N		Glare-Screen: N	
(I-50) Culvert:		Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS		Telephone: N		Splash-Guard: N	
(I-54) Channel: 7		In Depth: N NONE N/A		TV Cable: N		Catwalks: N	
(I-60) Approaches: 6		Fracture Critical: 1 MEETS CURRENT STANDARDS		Water: N		Other-Feat: N	
(I-66) General Appraisal: 3		Scour Critical: N NONE N/A		Other: N		(184) Signs-on: N	
(I-66) Operational Status: P		Critical Findings: N NONE N/A				Signs-Under: N	
Inspection Date: 12/15/2011		Insp. Update Date: 12/30/2011				(162) Fence-Ht: 0.0 Ft	
(94) Desig Insp Freq: 12 Months						(163) Noise Barr: N	
SFNs Replacing this retired bridge: -							
SFNs That where replaced by this bridge: -							
This bridge was retired and copied to:				INV Field Bridge Marker: DEF-T0126-0020 -			
The bridge was copied from:				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

2

0

4

2

3

9

8

1
Structure File Number7

Bridge Number
CO
DEF
T0126
ROUTE
0020
UNIT

DELAWARE TWP

Date Built 07/01/1934 - 1982

District 01
Bridge Type STEEL/TRUSS/PONY (TRUSS)
Type Service 1
15 PLATTER CREEK
DEF

DECK		Out/Out 16.0	2	THCK = 0.0		2
1. Floor		3-TIMBER PLANK	8	2. Wearing Surface		0-OTHER 41
3. Curbs, Sidewalks, Walkways		N-NONE	9	4. Median		W.S. Date = 01/01/1982 42
5. Railing		7-STL GUARDRL ON STL, CO	10	6. Drainage		1-OVER THE SIDE (W/O DRI 43
7. Expansion Joints		N-NONE	11	8. Summary		44

SUPERSTRUCTURE		MAX.SPAN=57	2	10. Beams/Girders/Slab		N-N/A (CULVERTS, TRUSSES 45
9. Alignment			12	12. Joists/Stringers		46
11. Diaphragms or Crossframes		TOT.LGTH=60	13	14. Floor Beam Connections		47
13. Floor Beams			14	16. Diagonals		48
15. Verticals			15	18. Top Chord		49
17. End Posts			16	20. Lower Lateral Bracing		50
19. Lower Chord			17	22. Sway Bracing		51
21. Top Lateral Bracing			18	24. Bearing Devices		D-INTEGRAL & SEMI-INTEGR N-NONE 52
23. Portals			19	26. Arch Columns or Hangers		53
25. Arch			20	28. Protective Coating System		TYPE = 0-OTHER DATE = 01/01/1982 54
27. Spandrel Walls			21	30. Fatigue Prone Connections		55
29. Pins/Hangers/Hinges			22	32. Summary		56
31. Live Load Response			23			E

SUBSTRUCTURE		2-CONCRETE	1	PIERS=0		SPANS = 1
33. Abutments		2-CONCRETE	24	34. Abutment Seats		57
35. Piers		TYPE = N-NONE	25	36. Pier Seats		58
37. Backwalls			26	38. Wingwalls		ABUTMENT:=UNKNOWN / UNKNOWN 59
39. Fenders and Dolphins			27	40. Scour		8-STABLE: EVAL SCOUR ABO 60
41. Slope Protection		N-NONE	28	42. Summary		DIVE DT=N/A 62

CULVERTS				44. Alignment		63
43. General			29	46. Seams		64
45. Shape			30	48. Scour		65
47. Headwalls or Endwalls			31	50. Summary		66
49.			32			

CHANNEL			1	N-NONE		
51. Alignment			33	52. Protection		67
53. Waterway Adequacy			34	54. Summary		68

APPROACHES			2	56. Approach Slabs		69
55. Pavement		2-BITUMINOUS	35	58. Relief Joints		70
57. Guardrail		1-STEEL BEAM	36	60. Summary		PCT.LEGAL=10 71
59. Embankment		BRDG.WIDTH=15.9	37			6

GENERAL				ROUTINE.RESP: 3-COUNTY		1
61. Navigation Lights			38	62. Warning Signs		MAINT.RESP: 3-COUNTY 72
63. Sign Supports		MVC ON=9999 UND=0000	39	64. Utilities		73
65. Vertical Clearance			40	66. General Appraisal & Operational Status		COND 3 STAT P 74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

76 PE

78 INITIALS

SIGNED

81 PE

83 INITIALS

DOT 2852

DECK AREA 958

Date 86

91

92

69 Survey

99

Date 100

105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION REPORT

BR-86 REV 02-95

2	0	4	2	3	9	8
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Bridge Number

$$\frac{\text{DEF}}{\text{CO}}$$

T0126
ROUTE

0020
UNIT

Date Built 07/01/1934 - 1982

District 01 Bridge Type STEEL/TRUSS/PONY (TRUSS)

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

PLATTER CREEK

00 NO REMARKS FOUND FOR THIS INSPECTION.