

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Ohio [39]	Allen County [003]	Monroe [51282]	0.28 MI W OF THAYER RD	40-50-48 = 40.846667	084-01-08 = - 84.018889
243329	Highway agency district 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	HOOK WALTZ RD.		Toll On free road [3]	Features intersected CAMPBELL HOOK WALTZ 15	
Design - main	Concrete [1]	Design - approach	Kilometerpoint	0 km = 0.0 mi	
1	Girder and floorbeam system [03]	0	Year built	1925	Year reconstructed N/A [0000]
		Other [00]	Skew angle	0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	8.2 m = 26.9 ft	Length of maximum span	7.3 m = 24.0 ft	Deck width, out-to-out	6.7 m = 22.0 ft
Inventory Route, Total Horizontal Clearance	5.7 m = 18.7 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	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	7.8 metric ton = 8.6 tons
0.5 km = 0.3 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	15.2 metric ton = 16.7 tons
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	MS 18 / HS 20 [5]

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	Serious [3]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	18.3
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	October 2012 [1012]	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	

Structure File Number: 0243329

Inventory Bridge Number: ALL T0087 04710 N

BR. Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU

Sufficiency Rating: 030.9 SD

ROUTE CARRIED "ON" THE STRUCTURE CAMPBELL HOOK WALTZ 15T

Date of Last Inventory Update:

District: 01	County: ALLEN	(101) Location: 0.28 MI W OF THAYER RD	(102) Facility Carried: HOOK WALTZ RD.
(2) FIPS Code: ALL-T-51282-MONROE 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): WATERWAY
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: COUNTY HIGHWAY (TOWNS	(63) Main Spans Number: 1	Type: CONCRETE/GIRDER (FLOOR SYSTEM)/THRU
Route No: T0087	Dir: NOT APPLICABLE	Des: MAINLINE	Pref: N
(4) Feature Intersected: CAMPBELL HOOK WALTZ 15T		Approach Spans Number: 0	Type: NONE/NONE/NONE
(5) County: MON	Mileage: 04710	Special Desig: N	
(6) Avg. Daily Traffic(ADT): 51	(7) ADT Year: 2011	Total Spans: 1	(65) Max Span: 24 Ft
(8) Truck Traf: 0	(14) NHS: NON-NHS BRG E	(15) Corridor: N	(66) Overall Leng: 27 Ft
(16) Functional Class: RURAL - LOCAL	(19) Strahnt: NON-STRAHNET BRIDGES		
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:	(70) Substructure	(71) Foundation and Scour Information
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:		No of Piers Predominate:	Other:
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):	(26) ADT Year:	(86) Stream Velocity: 00000	(74) Scour: BRIDGE FOUNDATIONS DETERMINED TO BE STAB
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	(189) Dive: N Freq: 0
(30) Functional Class:	(36) Strahnt:		Probe: Y Freq: 0
		(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi
Clearance Under the Bridge			
(154) 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		(88) Waterway Adequacy: 6	
Opr Rat Fact: 0.470 LD:		(89) Approach Alignment: 7	
Inv Rat Fact: 0.240 LD:		Calc Gen Appraisal: 3	
(83) Ohio Percent of Legal Load: 60		Calc Deck Geometry: 4	
Year of Rating: 2012		Calc Underclearance: N	
(84) Analysis: ALLOWABLE STRESS RATING (ASR) OR WORKING			
(85) Rate Soft: COMBINATION			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 43709 DANIEL BUCHER			
Approach Information			
(109) Approach Guardrail: NONE		(111) Grade: FAIR	
(110) Approach Pavement: BITUMINOUS			
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:			
Structure Information			
(38) Bypass Length: 03 Miles			
(39) Latitude: 40 Deg 50 Min 48.61 Sec	Longitude: 84 Deg 01 Min 08.82 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1925	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve: 00D00M	(45) Skew: 0 Deg		
(49) App. Rdw Width: 22 Ft	(50) Brg. Rdw Width: 18.0 Ft		
(51) Deck Width: 22.0 Ft	Deck Area: 592 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: OTHER (NATURAL-OFF THE BRIDGE ENDS)			
(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: 2.0 in	(119) Date of Wearing Surface: 7/1/1990		
Slope Protection: NONE			

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT ELIGIBLE (---) Hist Builder: NONE N/A (69) Hist Type: SHAPED (161) Special Features (see below): (105) Border Bridge State: Resp: %(106) SFN:		(69) NBIS: Y Hist Build Year: 1925		(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): 201		(92) Year of Future ADT: 2032					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	4	Railings:		(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	3	Transitions:		Gas:	U	Fencing:	N
(I-42) Substructure:	3	Guardrail:		Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:		Telephone:	U	Splash-Guard:	N
(I-54) Channel:	6	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	7	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	3	Scour Critical:		Other:	U	(184) Signs-On:	N
(I-66) Operational Status:	P	Critical Findings:				Signs-Under:	N
Inspection Date:	11/25/2013	Insp. Update Date:	11/25/2013			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge:		-					
SFNs That were replaced by this bridge:		-					
This bridge was retired and copied to:				INV Field Bridge Marker:		ALL - T0087 - 0471 - N	
The bridge was copied from:				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: 0243329

ALL
CO

T0087
Route

04710
SLM

ALL-T-51282-MONROE TWP
FIPS

DATE BUILT 07/01/1925

District 01 CONCRETE/GIRDER (FLOOR SYSTEM) Type of Service 1 15 CAMPBELL HOOK WALTZ 15T

N
SD ALL

DECK

1. Floor	Out/Out 22.0 1-REINFORCED CONCRETE	3	2. Wearing Surface	THCK= 2.0 6-BITUMINOUS (ASPHALTIC CONCRETE) -	2
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	0-OTHER (NATURAL-OFF THE BRIDGE ENDS)	2
7. Expansion Joints	N-NONE		8. SUMMARY	Deck Area: 592	4

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 24	2	10. Beams/Girders/Slab	5-CONCRETE GIRDER	3
11. Diaphragms or Cross Frames	TOT.LGTH = 27		12. Joist/Stringers		
13. Floorbeams		3	14. Floorbeam Connections		
15. Verticals		2	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: 51 TRUCK: 0 YEAR: 2011		30. Fatigue Prone Detail (E & E')		
31. Live Load Response (E or S)		S	32. SUMMARY		3

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	3	34. Abutment Seats	PIERS= # OF SPANS=1	2
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	3

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		2	52. Protection	N-NONE	
53. Hydraulic Opening		2	54. SUMMARY		6

APPROACHES

55. Pavement	2-BITUMINOUS	1	56. Approach Slabs		
57. Guardrail	N-NONE		58. Relief Joint		
59. Embankment	BRDG.WIDTH=18.0	1	60. SUMMARY	PCT.LEGAL= 60	7

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		3 P

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 11/25/2013

PE Number

JH
Initial
[] [] [] [] [] [] [] [] [] []

Print First & Last Name

66.232
PE Number

BR
Initial

Reviewed Date: 1/1/0001

69. Survey (1, 0, N)