

Structure File Number: 3503720

Inventory Bridge Number: HEN C0424 10780

Sufficiency Rating: 096.8 Deficiency Rating:

OBERHAUS CREEK

Bridge Status: Active

(2) District: 02	(3) County: 35-HENRY	(9) Location: 1/4 Mi. E. Of Fillmore St	(7) Facility Carried: County Road 424
(4) FIPS Code: None	Owner:	(208) Route On Bridge: County	(207) Route Under Bridge: Non Highway Traffic On Bridge (I.E.
(102) Direction of Traffic: 2 - 2-Way Traffic	(103) Temporary Structure:	(110) Designated National Network: Not National Network	(101) Parallel: N
		(42A) Type Serv: (On): Highway	(42B) Type Serv (Under): Waterway

INVENTORY ROUTE DATA

(5A) Route On/Under: 1 - 1: Route Carried "On" The Structure  
 (5B) Hwy Sys: 4 - County Highway  
 (5D) Route No: C0424 (5E) Dir: Not Applic (5C) Des: Mainline  
 (6) Feature Int: Oberhaus Creek  
 (200) CL: 10780 (201)Spec Des: (209) Interstate Mile:  
 (29) Avg. Daily Traffic(ADT): 3,596 (30) ADT Year: 2015  
 (235) Truck Traf: 0 (210) Corridor: (104) NHS: structure/route is not on nhs  
 (26) Functional Class: rural - local (100) Strahnt: Not A Strahnet Route

(45) Main Spans Number: 1 (43) Type: Steel /Culvert (Includes Frame Culverts) /Not Applicable  
 (46) Approach Spans Nbr: 0 (44) Type: Other /Other /Not Applicable  
 (307) Total Spans: 1 (48) Max Span: 18.0 Ft (49) Overall Leng: 18.0 Ft

SUBSTRUCTURE

Abut-Rear (532) Matl: None (531) Type: None (533) Fnd: None (Such As Most Culverts)  
 Abut-Fwd (527) Matl: None (526) Type: None (528) Fnd: None (Such As Most Culverts)  
 Pier-Pred (535) Matl: None (534) Type: None (536) Fnd: None (Such As Most Culverts)  
 (663) Stream Velocity: 00000 fps (113) Scour: Stable For Scour Conditions  
 (92B) Underwater Inspection: N Freq: (655) Chan Prot: Rip Rap (Dumped Rock Or Rock Channel Pro  
 0  
 (93B) Date of last Underwater Insp: (657) Drainage Area: Sq Mi

INTERSECTED ROUTE DATA

(370A) Record Type: (370B) Hwy Sys:  
 (370D) Route No: (370E) Dir: (370C) Des:  
 (373) Feature Int:  
 (382) CL: 0000 (371) Interstate Mile: (387) Special Desig:  
 (379) Avg. Daily Traffic(ADT): 0 (380) ADT Year: 0  
 (381) Truck Traf: 0 (384) Corridor: (378) NHS: -  
 (375) Functional Class: (386) Strahnt:

CLEARANCE UNDER THE BRIDGE

Min. Horiz on Bridge: (335) NC: Ft (47) Card: 99.0 Ft  
 (53) Prac Max Vert On Brg: 99.0 Ft  
 Min Vrt Clr On Brg: (336) NC: 0.0 Ft (10) Card: 99.0 Ft  
 Min Latl Clr: (338) Right NC: Ft (337) Right Card: Ft  
 (340) Left NC: Ft (339) Left Card: Ft

Min. Horiz Under Clear: (26) NC: Ft (325) Card: Ft  
 (328) Prac Max Vrt Under Clear: Ft  
 Min Vert Under Clear: (327) NC: Ft (54) Card: 0.0 Ft  
 Min Lat Under Clear: (329) Right NC: Ft (55) Right Card: 0.0 Ft  
 (330) Left NC: Ft (56) Left Card: 0.0 Ft

CLEARANCE ON THE BRIDGE

STRUCTURE INFORMATION

(19) Bypass Length: 12.0 Miles  
 (16) Latitude: 41 Deg 23 Min 58.53 Sec (17) Longitude: 84 Deg 06 Min 48.45 Sec  
 (20) Toll: On Free Road  
 (263) Date Built: (264) Major Reconstruction Date: 8/1/2014  
 (28A) No. Lanes On: 2 (28B)No. Lanes Under: 0  
 (301) Horiz Curve: (34) Skew: 0 Deg  
 (32) App. Rdw Width: 32 Ft (51) Brg. Rdw Width: 0.0 Ft  
 (52) Deck Width: 0.0 Ft (424) Deck Area: 576 Sq. Ft  
 (406) Median Type: None /Non Barrier /No Joint  
 (33) Bridge Median: No Median  
 Sidewalks: (50A) Left 0.0 Ft (50B) Right 0.0 Ft  
 Type Curb or Sidewalk:  
 (427) Left Matl: None (428) Type: None  
 (429) Right Matl: None (430) Type: None  
 (35) Flared: 0 (408) Composite: U - Not Applicable

LOAD RATING INFORMATION

(31) Design Load: H 15  
 (64) Opr Rat Fact/Ton: 3.000  
 (66) Inv Rat Fact/Ton: 2.100  
 (734) Ohio Percent of Legal Load: 100  
 (704) Year of Rating: 2017 (708) Rate Soft: Combination  
 (63) Opr Rat Method: Assigned Rating Based On Load Factor Des  
 (65) Inv Rat Method: Assigned Rating Based On Load Factor Des  
 Load Rater: (705) Timothy (706) Schumm (707) PE#: 62821

APPRAISAL

(71) Waterway Adequacy: 7 Better than present minimum criteria  
 (72) Approach Alignment: 8 Equal to present desirable criteria  
 (67) Calc Str Appraisal: 6 - Equal to present minimum criteria  
 (68) Calc Deck Geometry: N - Not Applicable  
 (69) Calc Underclearance: N - Not Applicable

APPROACH INFORMATION

(401) Approach Guardrail:  
 (403) Approach Pavement: (402) Grade:

CULVERT INFORMATION

(575) Culvert Type: Arch (Multi-Plate) (578) Length: 139.0 Ft  
 (580) Depth of Fill: 5.0 Ft (582) Headwalls:

GENERAL INFORMATION

(475) Main Member: Not Applicable (Culverts, Trusses, Arche) (477) Moment Plate:  
 (414) Expansion Joint: None  
 (453) Bearing Devices: None

(203) Bridge (Dedicated) Name:

BRIDGE INVENTORY AND APPRAISAL

Report Date: 12/29/2021

Structure File Number: 3503720

Inventory Bridge Number: HEN C0424 10780

Sufficiency Rating: 096.8 Deficiency Rating:

OBERHAUS CREEK

Bridge Status: Active

(407) Railing: None	(38) Navigation: 0	(39) Nav Vert Clr: 0.0 Ft	(40) Nav Horiz Clear: 0.0 Ft
(409) Deck Drainage: None	(92C) Spec Insp: N	Freq: 0	(93C) Special Inspection Date:
(107) Deck Type: Not Applicable	(92A) Fracture Critical Insp: N	Freq: 0	(93A) Fracture Critical Feature Inspection Date:
Deck Protection: (108B) External: Na	(474) Main Structure System: Not Applicable (I.E. Culvert, Beam, Slab		(468) Hinges: Not Applicable (Structures With No Hinge
(108C) Internal: Na	(487) Structural Steel Memb: None - No Structural Steel On Bridge		(465) Framing: None Or Not Applicable
(108A) Wearing Surface: Na	(482) Paint: None Or Not Applicable		(426) Bridge Railing Steel:
(423) Thickness: 0.0 in (422) Date of Wearing Surface:	(483) PCS Date:		
(547) Slope Protection: None			

GENERAL INFORMATION (CONTINUED)

ORIGINAL PLANS INFORMATION

(37) Hist Significance: Not Eligible	(250) Fabricator:
(112) NBIS: N	(249) Contractor:
(842) Hist/Designer:	(248) Ohio Original Construction Project No: 000MEC
(827) Hist Build Year: 1842	(252) Microfilm Reel:
(828) Hist Type: Stone	(251) Standard Drawing:
(98A) Border Bridge State:	Aperture Cards:
(98B) Border Bridge Resp:	(246) Orig: 2
(99) Border Bridge SFN:	(247) Repair: 2
	(245) Fabr: 2

PROPOSED IMPROVEMENTS

(114) Future ADT (On Bridge): 4991	(115) Year of Future ADT: 2035	(709) Rating Source: 2 FIELD MEASURED INFORMATION FOR LOAD RATI
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INSPECTION SUMMARY

SURVEY ITEMS

UTILITIES

SPECIAL FEATURES

(58) Deck: N	(36A) Railings: Na/Safety Feature Not Required	(265) Electric Line: U	(283) Lighting:
(59) Superstructure: N	(36B) Transitions: Na/Safety Feature Not Required	(266) Gas Line: U	(431) Fence: N
(60) Substructure: N	(36C) Guardrail: Na/Safety Feature Not Required	(269) Sanitary Sewer: U	(433) Glare-Screen: N
(62) Culvert: 6	(36D) Guardrail Ends: Na/Safety Feature Not Required	(267) Telephone Line:	(436) Splash-Guard:
(61) Channel: 7	(219) Temporary Barrier:	(268) TV Cable:	(459) Catwalks: N
(C6) Approaches:	(223) Temporary Shoring:	(270) Water Line:	(271) Other-Feat:
General Appraisal: 6	(224) Temporary Sub Decking: N	(271) Other Utilities:	(279) Signs-On:
(41) Operational Status: A			(281) Signs-Under
(90) Inspection date: 8/31/2021		Insp 1st: 02 - County Highway Agency	(432) Fence-Ht on Bridge 0.0 FT
(91) Desig Insp Freq: 12 Mos		2nd:	(434) Noise Barrier Walls
(253) SFNs Replacing this retired bridge:		3rd:	
(255) SFNs That were replaced by this bridge:		(21) Major Maint 1st: 02 - County Highway Agency	
		2nd:	
		3rd:	
		(225) Routine Maint 1st: 02 - County Highway Agency	
		2nd:	
		3rd:	



## Ohio Department of Transportation Bridge Inventory Report

**Sfn # :** 3503720      **County :** HENRY      **District:** 02  
**Fips Code:** 53550      **Inventory Route:** C0424      **Major Maintenance Responsibility:** COUNTY HIGHWAY AGENCY  
**Sufficiency Rating:** 096.8      **Ohio % Legal Load:** 100      **Mpo Code:** NN - NONE  
**Latitude:** 41235853      **Longitude:** 84064845

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**Inventory SLM :** 10780      **Bridge Material Type:** STEEL  
**Bridge Struc Type:** CULVERT (INCLUDES FRAME CULVERTS)      **Bridge Struc Desc:** NOT APPLICABLE  
**Inventory Feature Intersected:** OBERHAUS CREEK      **Date of Major Rehab :** 08/01/2014  
**Deck Width:** 0      **Main Spans # :** 1  
**Bridge Roadway width :** 0      **Deck Area :** 576  
**Inventory Special Designation :**      **Overall Length :** 18  
**Structure Location :** 1/4 mi. E. of Fillmore St      **SD/FO:** 0

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**Date Built :** 01/01/1900      **Inspection Date :** 08/31/2021  
**General Appraisal :** 6      **Inspection Responsibility :** 02 - COUNTY HIGHWAY AGENCY  
**Bridge Dedicated Name :**      **Routine maint Responsibility :** 02 - COUNTY HIGHWAY AGENCY  
**Operational Status :** A

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**Intersected Route :**      **Intersected Feature Intersected :**  
**Intersected County :**      **Intersected Straight Line Mileage :** 0000  
**Intersected Special Designation :**      **Interstate Straight Line Mileage :** 0.0  
**Minimum Vertical Clr On Bridge(C) :** 99      **Minimum Vertical Clr On Bridge(NC) :** 0  
**Minimum Vertical Clr Under Bridge(C) :** 0      **Minimum Vertical Clr Under Bridge(NC) :** 0.0  
**Minimum Horizontal Clr On Bridge(C) :** 99      **Minimum Horizontal Clr On Bridge(NC) :** 0.0  
**Minimum Horizontal Clr Under Bridge(C) :** 0.0      **Minimum Horizontal Clr Under Bridge(NC) :** 0.0

STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 3503720

HEN C0424 10780  
CO Route SLM

DATE BUILT

FIPS

District 2 STEEL/CULVERT (INCLUDES FRAME) Type of Service 1 15 OVERHAUS CREEK

SD HEN

**DECK**

1. Floor	N-NOT APPLICABLE	Out/Out 0.0		2. Wearing Surface	N-NA	THCK= 0.0	N
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE			4. Median	0-NO MEDIAN		
5. Railing	N-NONE			6. Drainage	N-NONE		
7. Expansion Joints	N-NONE			8. SUMMARY	Deck Area: 576		N

**SUPERSTRUCTURE**

9. Alignment of Members	MAX.SPAN.LENGTH = 18			10. Beams/Girders/Slab	N-NOT APPLICABLE (CULVERTS, TRUSSES, ARCHE)		
11. Diaphragms or Cross Frames	TOT.LGTH = 18			12. Joist/Stringers			
13. Floorbeams				14. Floorbeam Connections			
15. Verticals				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		N
29. Pins/Hangers/Hinges	ADT: 3,596	TRUCK: 0	YEAR: 2015	30. Fatigue Prone Detail (E & E')			
31. Live Load Response (E or S)			S	32. SUMMARY			N

**SUBSTRUCTURE**

33. Abutments	N-NONE N-NONE			34. Abutment Seats	PIERS=	# OF SPANS=1	
35. Piers	TYPE = N-NONE			36. Pier Seats			
37. Backwalls				38. Wingwalls	ABUTMENT@=NONE (SUCH AS MOST CULVERTS) /NONE (SUCH AS MOST CULVERTS)		
39. Fenders and Dolphins				40. Scour (Insp Type - 1, 2, 3)	B-STABLE FOR SCOUR CONDITIONS		7
41. Slope Protection	N-NONE			42. SUMMARY	DIVE DT= N/A		N

**CULVERTS**

43. General				44. Alignment			
45. Shape				46. Seams			
47. Headwalls or Endwalls				48. Scour (Insp Type - 1, 2, 3)			
49. Abutments				50. SUMMARY			6

**CHANNEL**

51. Alignment				52. Protection	5-RIP RAP (DUMPED ROCK OR ROCK CHANNEL PRO)		
53. Hydraulic Opening				54. SUMMARY			7

**APPROACHES**

55. Pavement				56. Approach Slabs			
57. Guardrail				58. Relief Joint			
59. Embankment	BRDG.WIDTH=0.0			60. SUMMARY	PCT.LEGAL= 100		

**GENERAL**

61. Navigation Lights				62. Warning Signs	ROUTINE.RESP@ 02-COUNTY HIGHWAY AGENCY MAINT.RESP@ 02-COUNTY HIGHWAY AGENCY		
63. Sign Supports	MVC ON=9900	UND=0000		64. Utilities			
65. Vertical Clearance (1, 2-change, N)				66. General Appraisal & Operational Status		6	A

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name

PE Number

CS  
Initial

Print First & Last Name

62.821  
PE Number

TS  
Initial

Inspected Date: 8/31/2021

N	N	N	N				
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Reviewed Date: 7/16/2020

69. Survey (1, 0, N)