

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] Hamilton County [061] The Village of Indian Hill 1.6 MI N OF CAMARGO RD 00-00-00 = 0.000000 000-00-00 = - 0.000000

3137430 Highway agency district 8 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! BLOME ROAD Toll On free road [3] Features intersected RAIDERS RUN INH(BLOME RD)

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

1 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1888 Year reconstructed 1990

Skew angle 0 Structure Flared

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

Total length 28.7 m = 94.2 ft Length of maximum span 24.1 m = 79.1 ft Deck width, out-to-out 4.4 m = 14.4 ft Bridge roadway width, curb-to-curb 3.9 m = 12.8 ft

Inventory Route, Total Horizontal Clearance 3.9 m = 12.8 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Closed Grating [4]

Type of wearing surface Other [9]

Deck protection Other [9]

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 24.3 metric ton = 26.7 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 32.4 metric ton = 35.6 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	2000	Average daily truck traffi	0	%	Year	1976	Future average daily traffic	2776	Year	2027
Road classification	Local (Urban) [19]	Lanes on structure	1	Approach roadway width	6.7 m = 22.0 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	4.62 m = 15.2 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	\$80,000	Roadway improvement cost	\$8,000						
	Length of structure improvement	61 m = 200.1 ft		Total project cost	\$92,000					
	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="72.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="April 2010 [0410]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Unit of Measure: **English**
Structure File Number **3137430**
Sufficiency Rating: **79.6 fo**

Bridge Inventory Information
Inventory Bridge Number:**HAM BLOME 0157**
ON RAIDERS RUN INH(BLOME RD)

Report Date 02/27/2013 BM-191 Page: 1 of 2
BR. Type STEEL / BEAM / SIMPLE SPAN
Date of Last Inventory Update: 12/14/2012

District: **08** County **HAMILTON** (101) Location: **1.6 MI N OF CAMARGO RD** (102) Facility Carried: **BLOME ROAD**
(2)FIPS Code: **INDIAN HILL** (103) Route On Bridge: **MUNICIPAL** (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
(3) Route On/Under: **ON** Hwy Sys: **MUNICIPAL STREET** (63) Main Spans Number: 1 Type: **STEEL / BEAM / SIMPLE SPAN**
Route No.: **BLOME** Dir: Des: **MAINLINE** Pref: Approach Spans Number: 0 Type: **NONE / NONE / NONE**
Total Spans: 1 (65) Max Span: **79** Ft (66) Overall Leng: **94** Ft

(4) Feature Intersected: **RAIDERS RUN INH(BLOME RD)** (70) Substructure (71) Foundation and Scour Information
(5) County: **HAM** Mileage: **0157** Special Desig: Abut-Rear Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **OTHER**
(6) Avg. Daily Traffic(ADT): **2,000** (7) ADT Year: **1976** Abut-Fwd Matl: **CONCRETE** Type: **SOLID WALL** Fnd: **OTHER**
(8) Truck Traf: **0** (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-URBAN** (19) Strahnt: **Not Applicable** Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**
Pier-Other Matl: **NONE** Type: **NONE** Fnd: **NONE/NOT APPLICABLE (SUCH AS CULVERTS)**

Intersected Route Data
(22) Route On/Under: Hwy Sys: No of Piers Predominate: **NN** Other: **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: **N Freq: 0** (75) Chan Prot: **OTHER-GRASS, BUSHES & TREES**
(24) County: Mileage: Special Desig: (189) Date of last Dive Insp: (152) Drainage Area: **UUU** Sq Mi

(25) Avg. Daily Traffic(ADT): **0** (26) ADT Year:
(27) Truck Traf: **0** (28) NHS: - (29) Corridor:
(30) Functional Class: (36) Strahnt: **Not Applicable**

Clearance On the Bridge
(154) Min Hriz on Bridge: NC: **0.0** Ft Card: **12.8** Ft
(155) Prac Max Vert On Brg: **17.0** Ft
(67) Min Vrt Clr On Brg: NC: **0.0** Ft Card: **15.2** 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: **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 (88-89) Appraisal
(48) Design Load: **HS/20-44 & ALTERNATE MILITARY LOADING** (Including calculated Items)
(83) Operating: **36** Ton
Inventory: **27** Ton
Ohio Percent of Legal Load **150** (88) Waterway Adequacy **8**
Year of Rating: **2012** (89) Approach Alignment **8**
(84) Analysis: **LOAD FACTOR (LF)** Calc Gen Appraisal: **6**
(85) Rate Soft: **BARS** Analyzed by: Calc Deck Geometry: **2**
Analysis on Bars: **NOT ON BARS [DEFAULT]** Calc Underclearance: **N**

Structure Information
(38) Bypass Length: **02** Miles
(39) Latitude: **39 Deg 13.1 Min** Longitude: **84 Deg 20.7 Min**
(40) Toll: **ON FREE ROAD**
(41) Date Built: **07/01/1888** (42) Major Rehabilitation: **01/01/1990**
(43) No. Lanes On: **1** No. Lanes Under: **0**
(44) Horiz Curve: **Deg. Min.** (45) Skew: **0** Deg
(49) App. Rdw Width: **22** Ft (50) Brg. Rdw Width: **12.8** Ft
(51) Deck Width: **14.5** Ft Deck Area: **1367** 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: **non-composite**

(58) Railing: **STL GUARDRL ON STL, CONCR, OR TMBR POSTS**
(59) Deck Drainage: **OVER THE SIDE (W/O DRIP STRIP)**
(60) Deck Type: **STEEL GRID - FILLED**
(61) Deck Protection: External: **NONE**
Internal: **OTHER**
(62) Wearing Surface: **OTHER**
Thickness: **0.0** in (119) Date of Wearing Surface:
Slope Protection: **NONE-NATURAL PROTECTION(GRASS,BUSHES)**

(121) Main Member **ROLLED STEEL** (122) Moment Plate: **NONE**
(169) Expansion Joint: **SLIDING METAL PLATE ANGLE**
(124) Bearing Devices: **ROCKERS/NONE**
(126) Navigation: **Control- N** 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: **NOT APPLICABLE** (135) Hinges: **NOT APPLICABLE**
(141) Structural Steel Memb: **UNKNOWN** (139) Framing: **NONE**
Railing: **UNKNOWN**
Paint: **OTHER**
Pay Wt: **0** pounds Prime Loc: **UNKNOWN**
Bridge Dedicated Name:

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

3	1	3	7	4	3	0
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Bridge Number **HAM BLOME 0157**
CO ROUTE UNIT

INDIAN HILL

Date Built **07/01/1888 - 1990**

District **08** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15 RAIDERS RUN INH(BLOME RD)**

HAM

DECK		Out/Out 14.5	2	THCK = 0.0		2
1. Floor	4-STEEL GRID - FILLED 8			2. Wearing Surface	0-OTHER 41	
		N-NONE		W.S. Date =		
3. Curbs, Sidewalks, Walkways	N-NONE 9			4. Median		42
5. Railing	7-STL GUARDRL ON STL, CO 10		1	6. Drainage	1-OVER THE SIDE (W/O DRI	43
7. Expansion Joints	2-SLIDING METAL PLATE AN 11		2	8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=79	1			2
9. Alignment			12	10. Beams/Girders/Slab	1-ROLLED STEEL	45
		TOT.LGTH=94	2			2
11. Diaphragms or Crossframes			13	12. Joists/Stringers		46
13. Floor Beams			14	14. Floor Beam Connections		47
15. Verticals			15	16. Diagonals		48
17. End Posts			16	18. Top Chord		49
19. Lower Chord			17	20. Lower Lateral Bracing		50
21. Top Lateral Bracing			18	22. Sway Bracing		51
23. Portals			19	24. Bearing Devices	2-ROCKERS N-NONE 52	2
25. Arch			20	26. Arch Columns or Hangers		53
27. Spandrel Walls			21	28. Protective Coating System	TYPE = 0-OTHER DATE = 01/01/1990	54
29. Pins/Hangers/Hinges			22	30. Fatigue Prone Connections		55
31. Live Load Response			23	32. Summary		56
SUBSTRUCTURE		2-CONCRETE	2	PIERS=0 SPANS = 1		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:=OTHER / OTHER	59
39. Fenders and Dolphins			27	40. Scour	8-STABLE: EVAL SCOUR ABO 60	1
41. Slope Protection	N-NONE 28			42. Summary		62
CULVERTS						
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				0-OTHER-GRASS, BUSHES & TREES		2
51. Alignment			33	52. Protection		67
53. Waterway Adequacy			34	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS 35			56. Approach Slabs		69
57. Guardrail	1-STEEL BEAM 36			58. Relief Joints		70
59. Embankment	BRDG.WIDTH=12.8 37			60. Summary		71
GENERAL				ROUTINE.RESP: 3-COUNTY		1
61. Navigation Lights			38	62. Warning Signs	MAINT.RESP: 3-COUNTY	72
63. Sign Supports	MVC ON=15.2 UND=0000		39	64. Utilities		73
65. Vertical Clearance			40	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

6	5	5	5	3
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76 PE

T	B
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78 INITIALS

SIGNED

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81 PE

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83 INITIALS

DOT 2852

DECK AREA 1,367

Date

0	1	0	7	1	3
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86

91

Date

1	1	1	1	N	N	N	N
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92

69 Survey

99

Date

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100

105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

BR-86 REV 02-95

3	1	3	7	4	3	0
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1 Structure File Number 7

Bridge Number **HAM BLOME 0157**
CO ROUTE UNIT

Date Built 07/01/1888 - 1990

District **08** Bridge Type **STEEL/BEAM/SIMPLE SPAN**

Type Service **1 15**

RAIDERS RUN INH(BLOME RD)

00 NO REMARKS FOUND FOR THIS INSPECTION.
