The National Bridge Inventory contains data submitted by state transportion 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							40-40-06 =	080-32-24 = -	
Ohio [39]	io [39] Columbiana County [029]			Saint Clair [69512] 0.0 MI E T1045			40.668333	80.540000	
1538241 Highway agency district 11			Owner County Highway	Owner County Highway Agency [02] Maintenance responsibility			County Highway Agency [02]		
Route #Num!	GRIM	MMS BRIDGE 1042	Toll On fre	Toll On free road [3] Features intersected LITTLE BEA			AVER CREEK		
Design - Steel [3] main 1 Truss - Thru [1)]	Design - approach O Other	[00]	Kilometerpoint Year built 1884 Skew angle 0 Historical significa	Structure F	constructed 1996 lared seligible for the N			
Total length 46.9 m = 153.9 ft Length of maximum span 45.7 m = 149.9 ft Deck width, out-to-out 4.2 m = 13.8 ft Bridge roadway width, curb-to-curb 3.7 m = 12.1 ft Inventory Route, Total Horizontal Clearance 3.7 m = 12.1 ft Curb or sidewalk width - left 0 m = 0.0 ft 0 m = 0.0 ft									
Deck structure type Type of wearing surface Deck protection		Open Grating [3] Other [9]							
Type of membrane/wearing	g surface								
Weight Limits Bypass, detour length 1 km = 0.6 mi		nine inventory rating nine operating rating		·	Inventory rating Operating rating Design Load	6.5 metric ton = 7.1 metric ton =			

Functional Details	
Average Daily Traffic 120 Average daily true	ck traffi 0 % Year 1951 Future average daily traffic 167 Year 2028
Road classification Local (Rural) [09]	Lanes on structure 1 Approach roadway width 6.1 m = 20.0 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 8.53 m = 28.0 ft
Minimum lateral underclearance reference feature Fea	ature 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
	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 lo	ad [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]					
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum	criteria [7]				
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry						
Condition ratings - deck	Very Good [8]	ueck geometry						
Scour		determined to be stable for the ass						
Channel and channel protection	Banks are protected required or are in a	d or well vegetated. River control d stable condition. [8]	evices such as spur dikes and e	mbankment protection are not				
Appraisal ratings - water adequacy Equal to presen		esirable criteria [8]	ole criteria [8] Status evaluation Functionally obsolete [2]					
Pier or abutment protection			Sufficiency rating	33.9				
Culverts Not applicable. Used if structure is not a culvert. [N]								
Traffic safety features - railings	Inp	ected feature meets currently acce	ptable standards. [1]					
Traffic safety features - transition	ns Inp	ected feature meets currently acce						
Traffic safety features - approach	n guardrail Inp	ected feature meets currently acce						
Traffic safety features - approach	n guardrail ends Inp	ected feature meets currently acce	ptable standards. [1]					
Inspection date August 2010 [0810] Designated inspection frequency 12 Months								
Underwater inspection	Not needed [N]	Underwater inspec	ction date					
Fracture critical inspection Every two years [Y24]		Fracture critical in:	spection date August 2010	[0810]				
Other special inspection	Not needed [N]	Other special insp	ection date					

Unit of Measure: English Structure File Number 1538241 Sufficiency Rating: 50.3 fo	Bridge Inventory Information Inventory Bridge Number: COL T1042 0148 23 ON LITTLE BEAVER CREEK					Report Date 03/21/2013 BM-191 Page: 1 of 2 BR. Type STEEL / TRUSS / THRU Date of Last Inventory Update: 03/01/2013		
District: 11 County COLUMBIANA (2)FIPS Code: SAINT CLAIR TWP (9) Direction of Traffic: ONE LANE FOR 2-WAY TRAFFIC (10) Temporary: N (95) Insp: COUNTY (96) Maint: COUNTY (97) Routine: COUNTY			(101) Location: 0.0 MI E T1045 (103) Route On Bridge: TOWNSHIP (11)Truck Network: N (100) Type Serv: (On): HIGHWAY			(102) Facility Carried: GRIMMS BRIDGE 1042 (104) Route Under Bridge: NON-HIGHWAY (12)Parallel: N (Under): WATERWAY		
(3) Route On/Under: ON Route No.: T1042 Dir:	Des: MAINLINE	TOWNSHIP HIGHWAY Pref:	(63) Main Spans Number: 1 Approach Spans Number: 0 Total Spans: 1	Type: STEEL / TRUSS / TF Type: NONE / NONE / NON (65) Max Span: 150 Ft	IE) Overall Leng: 154 Ft		
 (4) Feature Intersected: LITTLE BEAVER (5) County: STC Mileage: 0148 (6) Avg. Daily Traffic(ADT): 120 (8) Truck Traf: 0 (14) NHS: NO - X (16) Functional Class: Local Road-Rural 	Special Desig: 23 (7) ADT Year: 1951 (15) Corridor: N		(70) Substructure Abut-Rear Matl: STONE Abut-Fwd Matl: STONE Pier-Pred Matl: NONE Pier-Other Matl: NONE	(71) Foundation and Scour Type: SOLID WALL Type: SOLID WALL Type: NONE Type: NONE	Fno Fno Fno	d: OTHER d: OTHER d: NONE/NOT APPLICABLE (SUCH AS CULVERTS) d: NONE/NOT APPLICABLE (SUCH AS CULVERTS)		
	ed Route Data Hwy Sys: Des:	Pref:	Pier-Other Matl: NONE No of Piers Predominate: NN (86) Stream Velocity: UUU	Type: NONE Other: NN (74) Scour: STABLE: EVAI	Fnc Oth	: NONE/NOT APPLICABLE (SUCH AS CULVERTS) er: NN		
(23) Feature Intersected: (24) County: Mileage: (25) Avg. Daily Traffic(ADT): 0 (27) Truck Traf: 0 (28) NHS: -	Special Desig: (26) ADT Year: (29) Corridor:		(189) Dive: N Freq: 0 (189) Date of last Dive Insp: (156) Min. Horiz Under Clear:	Probe: Y Freq: 12 (152) Drainage Area: UUU	(75) Sq Mi nder the Bridge) Chan Prot: NONE		
(30) Functional Class: Clearance (154) Min Hriz on Bridge:	(36) On the Bridge NC: 0.0 Ft	Strahnt: Not Applicable Card: 12.1 Ft	(157) Prac Max Vrt Under Clear: (77) Min Vert Under Clear:	0.0 Ft NC: 0.0 Ft	Car	rd: 0.0 Ft		
(155) Prac Max Vert On Brg: (67) Min Vrt Clr On Brg:	14.0 Ft NC: 0.0 Ft	0 1 20 2 5	(78) Min Lat Under Clear: NC: 0.0 / 0.0 Ft Load Rating Information (48) Design Load: UNKNOWN [DEFAULT] (Including ca		Car (Including calculate	Card: 0.0 / 0.0 Ft (88-89) Appraisal		
(80) Min Latl Clr: (81) Vrt Clr Lft:	NC: 0.0 / 0.0 Ft 0.0 Ft	O	(83) Operating: 8 Ton Inventory: 7 Ton			•		
(38) Bypass Length: 06 Miles (39) Latitude: 40 Deg 40.1 Min (40) Toll: ON FREE ROAD	Longitude: 80 Deg 3		Ohio Percent of Legal Load 50 Year of Rating: 2012 (84) Analysis: COMBINATION OF METHOI (85) Rate Soft: COMBINATION Analyzed by		(88) Waterway Ade (89) Approach Alig Calc Gen Appraisa Calc Deck Geomet	nment 7 il: 4 try: 2		
(41) Date Built: 07/01/1884 (43) No. Lanes On: 1 (44) Horiz Curve: Deg. Min.	(42) Major Rehabilita No. Lanes Under: 0 (45) Skew: 0 Deg	ation: 01/01/1996	Analysis on Bars: NOT ON BARS [DEFAUL (109) Approach Guardrail: STEEL BEAM	_	Calc Underclearan Information	ce: N		
(49) App. Rdw Width: 20 Ft(51) Deck Width: 13.7 Ft(52) Median Type: NONE / NON BARRIE	(50) Brg. Rdw Width Deck Area: 2110 Sq / NO JOINT	. Ft	(110) Approach Pavement: BITUMINOUS (111) Grade: Culvert Information		(111) Grade: GOO nformation (127) Length: 0.0 F			
(53) Bridge Median: NO MEDIAN (54) Sidewalks: (55) Type Curb or Sidewalks:	(left) 0 Ft	(right) 0 Ft	(129) Depth of Fill: 0.0 Ft (121) Main Member N/A (CULVERTS, TRU		(130) Headwalls: N	(122) Moment Plate: NONE		
(Left) Matl: NONE (Right) Matl: NONE (56) Flared: N (58) Railing: STL GUARDRL ON STL, CO (59) Deck Drainage: OVER THE SIDE (W. (60) Deck Type: STEEL GRID - OPEN (61) Deck Protection: External: NONE		-	(169) Expansion Joint: NONE (124) Bearing Devices: OTHER/SLIDING (E (126) Navigation: Control- N (193) Spec Insp: N (188) Fracture Critical Insp: Y (138) Long Member: TWO TRUSSES (RIVE	Vert Clr: 0.0 Ft Freq: 0 Freq: 24		Horiz Clear:: 0.0 Ft Date: Date: 2012-08-30 (135) Hinges: PINS AND HANGERS		
Internal: NONE (62) Wearing Surface: OTHER	ing Surface: 01/01/19 TECTION(GRASS,BU	96	(141) Structural Steel Memb: UNKNOWN Pay Wt: 0 pounds Bridge Dedicated Name:	Prime Loc: UNKNOWN		(139) Framing: NONE Railing: UNKNOWN Paint: OTHER		

Unit of Measure: **English** Structure File Number **1538241 Bridge Inventory Information** Inventory Bridge Number: COL T1042 0148 23 Sufficiency Rating: 50.3 fo ON LITTLE BEAVER CREEK

Report Date 03/21/2013 BM-191 Page: 2 of 2 BR. Type STEEL/TRUSS/THRU

Date of Last Inventory Update: 03/01/2013

General Information (Continued)				Original Plans Information							
() Hist Significance: NON-REGISTERED HISTORIC BRIDGE (69) NBIS: Y					(142) Fabricator:						
	() Hist Builder: WROUGHT IRON BRIDGE CO Hist Build Year: 1884					(143) Contractor:					
(CANTON, OHIO)				(144) Ohio Original Construction Project No.:							
(69) Hist Type: DOUBLE		ON PRATT (WHIPPLE	<i>Ē</i>)		() Microfilm Reel:						
(161) Special Features (se	,				(151) Standard Drawing:						
(105) Border Bridge State					Aperture Cards: Orig: N Repair: N Fabr: N						
	Proposed	Improvements		Programming Info		Plan Information Available: 1PLAN INFORMATION AVAILABLE					
(90) Type Work: -				PID Number:			Repair Projects				
				PID Status:	1. / MMM	2. 000000 / 020	' '				
(90) Length: Ft				PID Date:	и	5.	6.				
(90) Bridge Cost (\$1000s)	s): 0				- T -	8.	9.				
(90) Roadway Cost (\$100	00s): 0				7. 10.	5 .	. .				
(90) Total Project Cost (\$,	(90) Y	Year:		10.						
(91) Future ADT (On Brid	lge): 0	(92) \	Year of Future ADT: 20	034		Utilities	Sp	ecial Features			
Inspection Sum	nmary		(I-69) Survey Iter	ms	(46) Electric:	N	(161) Lighting:	N			
(I-8) Deck:	8	Railings:	1 MEETS CURREN	IT STANDARDS	Gas:	N	Fencing:	N			
(I-32) Superstructure:	6	Transitions:	1 MEETS CURREN	IT STANDARDS	Sanitary Sewer:	N	Glare-Screen:	N			
(I-42) Substructure:	8	Guardrail:	1 MEETS CURREN	IT STANDARDS	Telephone:	N	Splash-Guard:	N			
(I-50) Culvert:		Rail Ends:	1 MEETS CURREN	NT STANDARDS	TV Cable:	N	Catwalks:	N			
(I-54) Channel:	8	In Depth:	1 MEETS CURREN	NT STANDARDS	Water:	N	Other-Feat:	N			
(I-60) Approaches:	8	Fracture Critical:	0 DOES NOT MEE	T CURRENT STANDARDS		N	(184) Signs-on:	N			
(I-66) General Appraisial:	: 6	Scour Critical:	N NONE N/A		Oution.	•	Signs-Under:	N			
(I-66) Operational Status:		Critical Findings:	N NONE N/A				(162) Fence-Ht:	0.0 Ft			
' '	08/30/2012	Insp. Update Date:	11/20/2012				(163) Noise Barr:	N.			
'	12 Months	1001					(100) Noise Dail.	14			
SFNs Replacing this retire	red bridge:		-								
SFNs That where replace	ed by this bride	je:	-								
This bridge was retired an					INIV Field Dridge Merkers		COL-01042-0148 -23				
~	The bridge was copied from:				INV Field Bridge Marker:		COL-01042-0146 -23				
1	io bridge trace supremental				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**

Type Service

1 5 3 8 2 4 1

1

Date Built 07/01/1884 - 1996

COL

District $\underline{\textbf{11}}$ Bridge Type $\underline{\textbf{STEEL/TRUSS/THRU}}$ **15 LITTLE BEAVER CREEK** DECK Out/Out 13.7 THCK = 3.0 5-STEEL GRID - OPEN 8 1. Floor 2. Wearing Surface 0-OTHER W.S. Date = 01/01/1996 3. Curbs, Sidewalks, Walkways N-NONE 4. Median 1 7-STL GUARDRL ON STL, CO 10 5. Railing 6. Drainage 1-OVER THE SIDE (W/O DRI 8 7. Expansion Joints N-NONE 1 8. Summary MAX.SPAN=150 SUPERSTRUCTURE 9. Alignment 10. Beams/Girders/Slab N-N/A (CULVERTS, TRUSSES TOT.LGTH=154 11. Diaphragms or Crossframes 12. Joists/Stringers 13. Floor Beams 14. Floor Beam Connections 15. Verticals 16. Diagonals 17. End Posts 18. Top Chord 19. Lower Chord 20. Lower Lateral Bracing 21. Top Lateral Bracing 22. Sway Bracing 0-OTHER 3-SLIDING (BRONZE) 23. Portals 24. Bearing Devices 25. Arch 26. Arch Columns or Hangers TYPE = 0-OTHER 28. Protective Coating System DATE = 03/01/199627. Spandrel Walls 29. Pins/Hangers/Hinges 30. Fatigue Prone Connections S 31. Live Load Response 32. Summary SUBSTRUCTURE 1-STONE PIERS=0 SPANS = 1 1 33. Abutments 1-STONE 24 34. Abutment Seats 35. Piers TYPE = N-NONE 25 36. Pier Seats ABUTMENT:=OTHER / OTHER 37. Backwalls 38. Wingwalls 1 8-STABLE: EVAL SCOUR ABO 39. Fenders and Dolphins 40. Scour 41. Slope Protection N-NONE 28 42. Summary DIVE DT=N/A **CULVERTS** 43. General 44. Alignment 45. Shape 46. Seams 47. Headwalls or Endwalls 48. Scour 50. Summary **CHANNEL** N-NONE 51. Alignment 52. Protection 53. Waterway Adequacy 54. Summary **APPROACHES** 55. Pavement 2-BITUMINOUS 35 56. Approach Slabs 57. Guardrail 1-STEEL BEAM 36 58. Relief Joints 8 BRDG.WIDTH=12.2 37 59. Embankment 60. Summary PCT.LEGAL=50 **ROUTINE.RESP: 3-COUNTY GENERAL** MAINT.RESP: 3-COUNTY 61. Navigation Lights 62. Warning Signs MVC ON=28.0 UND=0000 63. Sign Supports 65. Vertical Clearance 66. General Appraisal & Operational Status 67. INSPECTED BY 68. REVIEWED BY **DOT 2852** DECK AREA 2,110

STATE OF OHIO DEPARTMENT OF TRANSPORTATION BRIDGE INSPECTION REPORT

Type Service <u>1</u> <u>1</u> <u>5</u>

BR-86 REV 02-95

1 5 3 8 2 4 1

1 Structure File Number 7

District 11 Bridge Type STEEL/TRUSS/THRU

Bridge Number | COL | T1042 | 0148 | 23 | UNIT |

Date Built 07/01/1884 - 1996

LITTLE BEAVER CREEK

NO REMARKS FOUND FOR THIS INSPECTION.

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