

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	Gallia County	Raccoon	NO DATA	0	0
2742322	Highway agency district: 10	Owner: County Highway Agency	Maintenance responsibility: County Highway Agency		
Route 13071	NO DATA	Toll: On free road	Features intersected: RACCOON CR(CANTILEVERED)		
Design - main: Concrete	Design - approach: Concrete	Kilometerpoint: 0	Year built: 1922	Year reconstructed: N/A	
1	Girder and floorbeam system	2	Girder and floorbeam system	Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP.	
Total length: 133.9	Length of maximum span: 60	Deck width, out-to-out: 23	Bridge roadway width, curb-to-curb: 21		
Inventory Route, Total Horizontal Clearance: 21	Curb or sidewalk width - left: 0	Curb or sidewalk width - right: 0			
Deck structure type: Concrete Cast-in-Place					
Type of wearing surface: Bituminous					
Deck protection:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.4	Method to determine inventory rating: No rating analysis performed	Inventory rating: 5
	Method to determine operating rating: No rating analysis performed	Operating rating: 6.9
Bridge posting:	Design Load: M 13.5 / H 15	

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

Appraisal ratings - structural

Basically intolerable requiring high priority of replacement

Condition ratings - superstructure

Serious

Appraisal ratings - roadway alignment

Better than present minimum criteria

Condition ratings - substructure

Serious

Appraisal ratings - deck geometry

Somewhat better than minimum adequacy to tolerate being left in place as is

Condition ratings - deck

Fair

Scour

Scour calculation/evaluation has not been made.

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.

Appraisal ratings - water adequacy

Better than present minimum criteria

Status evaluation

Structurally deficient

Pier or abutment protection

Sufficiency rating

39

Culverts

Not applicable. Used if structure is not a culvert.

Traffic safety features - railings

Inspected feature meets currently acceptable standards.

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Feb-09

Designated inspection frequency

12

Months

Underwater inspection

Not needed

Underwater inspection date

Fracture critical inspection

Not needed

Fracture critical inspection date

Other special inspection

Not needed

Other special inspection date

Unit of Measure: English		Bridge Inventory Information		Report Date 11/10/2010 BM-191 Page: 1 of 2	
Structure File Number 2742322		Inventory Bridge Number: GAL 13071 0090		BR. Type CONCRETE / GIRDER / THRU	
Sufficiency Rating: 39.0 SD		ON RACCOON CR(CANTILEVERED)		Date of Last Inventory Update: 06/16/2010	
District: 10		County GALLIA		(101) Location: NO DATA	
(2) FIPS Code: RACCOON TWP		(103) Route On Bridge: COUNTY		(102) Facility Carried: NO DATA	
(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: CONCRETE / GIRDER / THRU	
(3) Route On/Under: ON		Hwy Sys: COUNTY/TOWNSHIP HIGHWAY		Approach Spans Number: 2	
Route No.: 13071 Dir:		Des: MAINLINE Pref:		Type: CONCRETE / GIRDER / THRU	
(4) Feature Intersected: RACCOON CR(CANTILEVERED)		Total Spans: 3		(65) Max Span: 60 Ft	
(5) County: GAL Mileage: 0090		(70) Substructure		(71) Foundation and Scour Information	
Special Desig:		Abut-Rear Matl: STONE		Type: SOLID WALL	
(6) Avg. Daily Traffic(ADT): 50		(7) ADT Year: 1951		Type: SOLID WALL	
(8) Truck Traf: 3 (14) NHS: NO - X (15) Corridor: N		Pier-Pred Matl: CONCRETE		Type: CANTILEVER(TEE) OPEN PANE	
(16) Functional Class: MINOR COLLECTOR-RURAL		Pier-Other Matl: NONE		Type: NONE	
(19) Strahnt: Not Applicable		Pier-Other Matl: NONE		Type: NONE	
Intersected Route Data		Pier-Other Matl: NONE		Type: NONE	
(22) Route On/Under:		Hwy Sys:		No of Piers Predominate: 02	
Route No.: Dir:		Des: Pref:		Other: NN	
(23) Feature Intersected:		(86) Stream Velocity: 000		(74) Scour: STABLE: SCOUR WITHIN LIMITS OF FOOT/PILE	
(24) County: Mileage: Special Desig:		(189) Dive: N Freq: 0		Probe: Y Freq: 12	
(25) Avg. Daily Traffic(ADT): 0		(26) ADT Year:		(75) Chan Prot: NONE	
(27) Truck Traf: 0 (28) NHS: - (29) Corridor:		(189) Date of last Dive Insp:		(152) Drainage Area: UUUU Sq Mi	
(30) Functional Class:		(36) Strahnt: Not Applicable		Clearance Under the Bridge	
Clearance On the Bridge		(156) Min. Horiz Under Clear:		NC: 0.0 Ft Card: 0.0 Ft	
(154) Min Hriz on Bridge:		NC: 0.0 Ft		Card: 21.0 Ft	
(155) Prac Max Vert On Brg:		9999.9 Ft		(157) Prac Max Vrt Under Clear:	
(67) Min Vrt Clr On Brg:		NC: 0.0 Ft		Card: 9999.9 Ft	
(80) Min Latl Clr:		NC: 0.0 / 0.0 Ft		Card: 0.0 / 0.0 Ft	
(81) Vrt Clr Lft:		0.0 Ft		(77) Min Vert Under Clear:	
Structure Information		(78) Min Lat Under Clear:		NC: 0.0 / 0.0 Ft Card: 0.0 / 0.0 Ft	
(38) Bypass Length: 04 Miles		Load Rating Information		(88-89) Appraisal	
(39) Latitude: 0 Longitude: 0		(48) Design Load: H/15		(Including calculated Items)	
(40) Toll: ON FREE ROAD		(83) Operating: 4 Ton		(88) Waterway Adequacy 7	
(41) Date Built: 07/01/1922		Inventory: 2 Ton		(89) Approach Alignment 7	
(42) Major Rehabilitation:		Ohio Percent of Legal Load 5		Calc Gen Appraisal: 2	
(43) No. Lanes On: 1 No. Lanes Under: 0		Year of Rating: 2010		Calc Deck Geometry: 5	
(44) Horiz Curve: Deg. Min. (45) Skew: 0 Deg		(84) Analysis: ENGINEERING JUDGEMENT [DEFAULT]		Calc Underclearance: N	
(49) App. Rdw Width: 15 Ft (50) Brg. Rdw Width: 21.0 Ft		(85) Rate Soft: NO SOFTWARE USED Analyzed by:			
(51) Deck Width: 23.0 Ft Deck Area: 3079 Sq. Ft		Analysis on Bars: NOT ON BARS [DEFAULT]			
(52) Median Type: NONE / NON BARRIE / NO JOINT		Approach Information			
(53) Bridge Median: NO MEDIAN		(109) Approach Guardrail: NONE		(111) Grade: GOOD	
(54) Sidewalks: (left) 0 Ft (right) 0 Ft		(110) Approach Pavement: BITUMINOUS			
(55) Type Curb or Sidewalks:		Culvert Information			
(Left) Matl: NONE Type: NONE		(131) Culvert Type: NONE/NOT APPLICBLE		(127) Length: 0.0 Ft	
(Right) Matl: NONE Type: NONE		(129) Depth of Fill: 0.0 Ft		(130) Headwalls: NONE	
(56) Flared: N (57) Composite: non-composite		General Information			
(58) Railing: REINFORCED CONCRETE & STEEL		(121) Main Member CONCRETE GIRDER		(122) Moment Plate: NONE	
(59) Deck Drainage: OPENING THRU CURBS OR WHEEL GRDS		(169) Expansion Joint: NONE			
(60) Deck Type: REINF CONCRT (PRESTRSD, PRECAST)		(124) Bearing Devices: SLIDING (BRONZE)/NONE			
(61) Deck Protection: External: NONE Internal: NONE		(126) Navigation: Control- N Vert Clr: 0.0 Ft		Horiz Clear: 0.0 Ft	
(62) Wearing Surface: BITUM (ASPHLT CONCRT)		(193) Spec Insp: N Freq: 0		Date:	
Thickness: 2.0 in (119) Date of Wearing Surface:		(188) Fracture Critical Insp: N Freq: 0		Date:	
Slope Protection: NONE-NATURAL PROTECTION(GRASS,BUSHES)		(138) Long Member: TWO GIRDER BRIDGE		(135) Hinges: NOT APPLICABLE	
		(141) Structural Steel Memb: NONE		(139) Framing: NONE	
		Pay Wt: 0 pounds Prime Loc: NONE		Railing: NONE	
		Bridge Dedicated Name:		Paint: NONE	

Unit of Measure: **English**
 Structure File Number **2742322**
 Sufficiency Rating: **39.0 SD**

Bridge Inventory Information
 Inventory Bridge Number: **GAL 13071 0090**
ON RACCOON CR(CANTILEVERED)

Report Date 11/10/2010 BM-191 Page: 2 of 2
 BR. Type **CONCRETE/GIRDER/THRU**
 Date of Last Inventory Update: 06/16/2010

General Information (Continued) Original Plans Information

(---) Hist Significance: **NON-REGISTERED HISTORIC BRIDGE** (69) NBIS: **Y**
 (---) Hist Builder: **OHIO STATE HIGHWAY** Hist Build Year: **1922**
DEPARTMENT
 (69) Hist Type: **CANTILEVER**
 (161) Special Features (see below):
 (105) Border Bridge State: Resp % (106) SFN:

(142) Fabricator:
 (143) Contractor:
 (144) Ohio Original Construction Project No.:
 (---) Microfilm Reel: **GAL-03**
 (151) Standard Drawing:
 Aperture Cards: Orig: **N** Repair: **N** Fabr: **N**

Proposed Improvements Programming Info

(90) Type Work: **31 - BRG/STR REPL--SUBSTD LD CAP OR RDW GEOM** PID Number:
 (90) Length: Ft PID Status:
 (90) Bridge Cost (\$1000s): **0** PID Date:
 (90) Roadway Cost (\$1000s): **0**
 (90) Total Project Cost (\$1000s): **0** (90) Year:
 (91) Future ADT (On Bridge): **0** (92) Year of Future ADT: **2028**

Plan Information Available: 1PLAN INFORMATION AVAILABLE

(153) Repair Projects

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.		

Inspection Summary (I-69) Survey Items

(I-8) Deck: 5	Railings: 1 MEETS CURRENT STANDARDS
(I-32) Superstructure: 3	Transitions: 0 DOES NOT MEET CURRENT STANDARDS
(I-42) Substructure: 3	Guardrail: 0 DOES NOT MEET CURRENT STANDARDS
(I-50) Culvert: 0	Rail Ends: 0 DOES NOT MEET CURRENT STANDARDS
(I-54) Channel: 7	Pavement Mark: 1 MEETS CURRENT STANDARDS
(I-60) Approaches: 7	Restrict Sign: 1 MEETS CURRENT STANDARDS
(I-66) General Appraisal: 3	Warning Sign: N NONE N/A
(I-66) Operational Status: P	End Markers: N NONE N/A
Inspection Date: 03/29/2010	Insp. Update Date: 09/20/2010
(94) Desig Insp Freq: 12 Months	

Utilities Special Features

(46) Electric: U	(161) Lighting: N
Gas: U	Fencing: N
Sanitary Sewer: U	Glare-Screen: N
Telephone: U	Splash-Guard: N
TV Cable: U	Catwalks: N
Water: U	Other-Feat: U
Other: U	(184) Signs-on: N
	Signs-Under: N
	(162) Fence-Ht: 0.0 Ft
	(163) Noise Barr: N

SFNs Replacing this retired bridge: -
 SFNs That where replaced by this bridge: -
 This bridge was retired and copied to:
 The bridge was copied from:

INV Field Bridge Marker: **GAL-13071-0090 -**
 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	7	4	2	3	2	2
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Bridge Number **GAL 13071 0090**
CO ROUTE UNIT

RACCOON TWP

Date Built **07/01/1922**

District **10** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15 RACCOON CR(CANTILEVERED)**

GAL

DECK		Out/Out 23.0	3	THCK = 2.0		1
1. Floor	1-REINF CONCRT (PRESTRSD	8		2. Wearing Surface	6-BITUM (ASPHLT CONCRT)	41
	N-NONE	9			W.S. Date =	
3. Curbs, Sidewalks, Walkways	N-NONE	9		4. Median		42
5. Railing	2-REINFORCED CONCRETE &	10	2	6. Drainage	2-OPENING THRU CURBS OR	43
7. Expansion Joints	N-NONE	11		8. Summary		44
SUPERSTRUCTURE		MAX.SPAN=60	1			3
9. Alignment		12		10. Beams/Girders/Slab	5-CONCRETE GIRDER	45
	TOT.LGTH=134	13		12. Joists/Stringers		46
13. Floor Beams		14	3	14. Floor Beam Connections		47
15. Verticals		15	2	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	3-SLIDING (BRONZE) N-NONE	52
25. Arch		20	2	26. Arch Columns or Hangers		53
27. Spandrel Walls		21	3	28. Protective Coating System	TYPE = N-NONE DATE =	54
29. Pins/Hangers/Hinges		22		30. Fatigue Prone Connections		55
31. Live Load Response		23	S	32. Summary		56
SUBSTRUCTURE		1-STONE	3	PIERS=2 SPANS = 1		2
33. Abutments	1-STONE	24		34. Abutment Seats		57
35. Piers	TYPE = 2-CONCRETE	25	1	36. Pier Seats		58
37. Backwalls		26	2	38. Wingwalls	ABUTMENT:=ROCK / ROCK	59
39. Fenders and Dolphins		27		40. Scour	5-STABLE: SCOUR WITHIN L	60
41. Slope Protection	N-NONE	28		42. Summary	DIVE DT=N/A	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				N-NONE		
51. Alignment		33	1	52. Protection		67
53. Waterway Adequacy		34	1	54. Summary		68
APPROACHES						
55. Pavement	2-BITUMINOUS	35	1	56. Approach Slabs		69
57. Guardrail	N-NONE	36		58. Relief Joints		70
59. Embankment	BRDG.WIDTH=21.0	37		60. Summary	PCT.LEGAL=5	71
GENERAL				ROUTINE.RESP: 3-COUNTY		3
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	N	66. General Appraisal & Operational Status		74

67. INSPECTED BY

68. REVIEWED BY

SIGNED

6 2 6 8 9
76 PE

A C M
78 INITIALS

SIGNED

7 0 3 3 8
81 PE

B A B
83 INITIALS

DOT 2852

DECK AREA 3,079

Date 0 3 2 9 1 0
86 91

1 0 0 0 1 1 N N
92 69 Survey 99

Date 0 4 1 5 1 0
100 105

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

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2	7	4	2	3	2	2
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1 Structure File Number 7

Bridge Number **GAL** **13071** **0090**
CO ROUTE UNIT

Date Built 07/01/1922

District **10** Bridge Type **CONCRETE/GIRDER/THRU**

Type Service **1 15**

RACCOON CR(CANTILEVERED)

00 NO REMARKS FOUND FOR THIS INSPECTION.
