

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]	Fairfield County [045]	Richland [66684]	0.3 MI W OF RUSHVILLE	39-45-48 = 39.763333	082-26-18 = - 82.438333
2340208	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!	RUSHVILLE RD NE	Toll On free road [3]	Features intersected	RUSH CR & CONRAIL (CR 77	
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	0 km = 0.0 mi
1	Truss - Deck [09]	1	Tee beam [04]	Year built	1928
				Year reconstructed	1989
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	45.7 m = 149.9 ft	Length of maximum span	30.5 m = 100.1 ft	Deck width, out-to-out	10.2 m = 33.5 ft
				Bridge roadway width, curb-to-curb	8.2 m = 26.9 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	1.2 m = 3.9 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	25.3 metric ton = 27.8 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	42.1 metric ton = 46.3 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]

### 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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
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 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. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="55.6"/>
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"/>		
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="February 2013 [0213]"/>	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="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="January 2011 [0111]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Structure File Number: 2340208

Inventory Bridge Number: FAI C0077 0795 N

BR. Type: STEEL/TRUSS/DECK

Sufficiency Rating: 065.8 SD

## ROUTE CARRIED "ON" THE STRUCTURE RUSH CR &amp; CONRAIL (CR 77)

Date of Last Inventory Update:

District: 05	County: FAIRFIELD	(101) Location: 0.3 MI W OF RUSHVILLE	(102) Facility Carried: RIC-20 RUSHVILLE R
(2) FIPS Code: FAI-T-66684-RICHLAND TWP		(103) Route On Bridge: COUNTY	(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-PEDESTRIAN	(Under): RAILROAD - WATERWAY
<b>Inventory Route Data</b>			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: COUNTY HIGHWAY (TOWNS	(63) Main Spans Number: 1	Type: STEEL/TRUSS/DECK
Route No: C0077	Dir: NOT APPLICABLE	Des: MAINLINE	Pref: N
(4) Feature Intersected: RUSH CR & CONRAIL (CR 77)		Approach Spans Number: 1	Type: CONCRETE/BEAM/SIMPLE
(5) County: RIC	Mileage: 0795	Special Desig: N	
(6) Avg. Daily Traffic(ADT): 183		(7) ADT Year: 2011	
(8) Truck Traf: 0	(14) NHS: NON-NHS BRG E	(15) Corridor: N	
(16) Functional Class: RURAL - LOCAL		(19) Strahnt: NON-STRAHNET BRIDGES	
<b>Intersected Route Data</b>			
(22) Route On/Under:	Hwy Sys:	(63) Main Spans Number: 1	Type: STEEL/TRUSS/DECK
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:		(64) Substructure	(71) Foundation and Scour Information
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):		(26) ADT Year:	
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	
(30) Functional Class:		(36) Strahnt:	
<b>Clearance On the Bridge</b>			
(154) Min. Hriz on Bridge:	NC: 0.0	Card: 24.0 Ft	
(155) Prac Max Vert On Brq:	9999.9 Ft		
(67) Min Vrt Clr On Brq:	NC: 0.0	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		
<b>Structure Information</b>			
(38) Bypass Length: 02 Miles			
(39) Latitude: 39 Deg 27 Min 18.04 Sec	Longitude: 82 Deg 15 Min 44.19 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1928	(42) Major Rehabilitation: 1/1/1989		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve: 30D12M	(45) Skew: 0 Deg		
(49) App. Rdw Width: 24 Ft	(50) Brg. Rdw Width: 27.0 Ft		
(51) Deck Width: 33.5 Ft	Deck Area: 5025 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 0.0 Ft	(right) 4.0 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(Right) Matl: CONCRETE	Type: SIDEWALK (GREATER THAN 2' IN WIDTH)		
(56) Flared: N	(57) Composite: N - NON_COMPOSITE		
(58) Railing: REINFORCED CONCRETE PARAPET			
(59) Deck Drainage: SCUPPERS AND DOWNSPOUTS			
(60) Deck Type: REINFORCED CONCRETE			
(61) Deck Protection: External: NONE OR NOT APPLICABLE			
Internal: NONE OR NOT APPLICABLE			
(62) Wearing Surface: INTEGRAL CONCRETE (MONOLITHIC) - NOT AN			
Thickness: 1.0 in	(119) Date of Wearing Surface: 1/1/1993		
Slope Protection: NONE			
<b>Clearance Under the Bridge</b>			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(157) Prac Max Vrt Under Clear:	31.5 Ft		
(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 31.5 Ft	
(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 16.0/19.0 Ft	
<b>Load Rating Information</b>			
(48) Design Load: HS20-44 & ALTERNATE MILITARY LOADING		(88) Waterway Adequacy: 7	
Opr Rat Fact: 1.300 LD: HS20 LOADING		(89) Approach Alignment: 6	
Inv Rat Fact: 0.780 LD: HS20 LOADING		Calc Gen Appraisal: 4	
(83) Ohio Percent of Legal Load: 150		Calc Deck Geometry: 5	
Year of Rating: 2010		Calc Underclearance: 7	
(84) Analysis: LOAD FACTOR RATING (LFR)			
(85) Rate Soft: NO CALCULATIONS WERE DONE FOR LOADING RA			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 64055 JAMES PREVOST			
<b>Approach Information</b>			
(109) Approach Guardrail: CONCRETE DEFLECTOR PARAPET			
(110) Approach Pavement: BITUMINOUS		(111) Grade: GOOD	
<b>Culvert Information</b>			
(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	
<b>General Information</b>			
(121) Main Member: ROLLED STEEL		(122) Moment Plate: NO MOMENT PLATES	
(169) Expansion Joint: COMPRESSION SEAL			
(124) Bearing Devices: ROCKERS & BOLSTERS			
(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: Y	Freq: 24	Date: 12/31/2014	
(138) Long Member: TWO TRUSSES (RIVETED)		(135) Hinges: NOT APPLICABLE (STRUCTURES WITH NO	
(141) Structural Steel Memb: A36		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: U	
Pay Wt: 0 pounds	Prime Loc: UNKNOWN	Paint: OTHER PAINT	
Bridge Dedicated Name:			

**ROUTE CARRIED "ON" THE STRUCTURE RUSH CR & CONRAIL (CR 77)**

General Information (Continued)				Original Plans Information			
(---) Hist Significance: ELIGIBLE FOR NATIONAL REGISTER		(69) NBIS: Y		(142) Fabricator:			
(---) Hist Builder: UNKNOWN		Hist Build Year: 1928		(143) Contractor: THE RIGHTER CO			
(69) Hist Type: PRATT (RIVETED)				(144) Ohio Original Construction Project No:			
(161) Special Features (see below):				(---) Microfilm Reel:			
(105) Border Bridge State: Resp: %(106) SFN:				(151) Standard Drawing:			
Proposed Improvements		Programming Info		Aperture Cards: Orig: N Repair: N Fabr: N			
(90) Type Work: -		PID Number: 5594		Plan Information Available: 1 PLAN INFORMATION AVAILABLE FOR LOAD RATI			
(90) Length: Ft		PID Status: PROGRAM		(153) Repair Projects:			
(90) Bridge Cost (\$1000s):		PID Date: 6/1/1988		1) / MMM		2) / 020	
(90) Roadway Cost (\$1000s):				3) / 044			
(90) Total Project Cost (\$1000s):		(90) Year:		4) /			
(91) Future ADT (On Bridge): 254		(92) Year of Future ADT: 2034					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	7	Railings:	MEETS ACCEPTABLE STANDARDS	(46) Electric:	U	(161) Lighting:	N
(I-32) Superstructure:	4	Transitions:	DOES NOT MEET ACCEPTABLE STANDARDS	Gas:	U	Fencing:	N
(I-42) Substructure:	5	Guardrail:	MEETS ACCEPTABLE STANDARDS	Sanitary Sewer:	U	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:	MEETS ACCEPTABLE STANDARDS	Telephone:	U	Splash-Guard:	N
(I-54) Channel:	7	In Depth:		TV Cable:	U	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:		Water:	U	Other-Feat:	U
(I-66) General Appraisal:	4	Scour Critical:		Other:	U	(184) Signs-On:	N
(I-66) Operational Status:	A	Critical Findings:				Signs-Under:	N
Inspection Date:	12/31/2014	Insp. Update Date:	12/31/2014			(162) Fence-Ht:	0.0
(94) Desig Insp Freq	12 Months					(163) Noise Barr:	N
SFNs Replacing this retired bridge: -				INV Field Bridge Marker: FAI - C0077 - 0080 - N			
SFNs That were replaced by this bridge: -				INT Field Bridge Marker: - - 0000 -			
This bridge was retired and copied to:							
The bridge was copied from:							
(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: 2340208

FAI  
CO

C0077  
Route

0795  
SLM

FAI-T-66684-RICHLAND TWP  
FIPS

DATE BUILT 07/01/1928 - 1989

District 05 STEEL/TRUSSDECK

Type of Service 1 57 RUSH CR & CONRAIL (CR 77)

N  
SD FAI

**DECK**

1. Floor	Out/Out 33.5 1-REINFORCED CONCRETE	1	2. Wearing Surface	THCK= 1.0 2-INTEGRAL CONCRETE (MONOLITHIC) - NOT	1
3. Curbs, Sidewalks & Walkways	N-CONCRETE 1-NONE	1	4. Median	W.S. Date = 01/01/1993 N-NO MEDIAN	
5. Railing	1-REINFORCED CONCRETE PARAPET	1	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	1
7. Expansion Joints	3-COMPRESSION SEAL	1	8. SUMMARY	Deck Area: 5,025	7

**SUPERSTRUCTURE**

9. Alignment of Members	MAX.SPAN.LENGTH = 100	1	10. Beams/Girders/Slab	1-ROLLED STEEL	2
11. Diaphragms or Cross Frames	TOT.LGTH = 150	2	12. Joist/Stringers		1
13. Floorbeams		1	14. Floorbeam Connections		
15. Verticals		1	16. Diagonals		1
17. End posts			18. Upper Chord		1
19. Lower Chord		2	20. Gusset Plates		3
21. Lateral Bracing			22. Sway Bracing		
23. Portals			24. Bearing Devices	2-ROCKERS & BOLSTERS N-NONE	1
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: 0OTHER PAINT DATE = 01/01/1989	1
29. Pins/Hangers/Hinges	ADT: 183 TRUCK: 0 YEAR: 2011		30. Fatigue Prone Detail (E & E')		3
31. Live Load Response (E or S)		S	32. SUMMARY		4

**SUBSTRUCTURE**

33. Abutments	1-STONE 1-STONE	2	34. Abutment Seats	PIERS= # OF SPANS=2	2
35. Piers	TYPE = 3-CONCRETE AND STONE	2	36. Pier Seats		1
37. Backwalls		1	38. Wingwalls	ABUTMENT:=OTHER/OTHER	2
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	8-BRIDGE FOUNDATIONS DETERMINED TO BE STAB 1	1
41. Slope Protection	N-NONE		42. SUMMARY	DIVE DT= N/A	5

**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		1	52. Protection	0-OTHER (GRASS, BUSHES, TREES)	1
53. Hydraulic Opening		1	54. SUMMARY		7

**APPROACHES**

55. Pavement	2-BITUMINOUS	2	56. Approach Slabs		2
57. Guardrail	7-CONCRETE DEFLECTOR PARAPET	1	58. Relief Joint		
59. Embankment	BRDG.WIDTH=27.0	1	60. SUMMARY	PCT.LEGAL= 150	6

**GENERAL**

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 3-COUNTY AGENCY MAINT.RESP: 3-COUNTY AGENCY	
63. Sign Supports	MVC ON=9999 UND=3106		64. Utilities		
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status		4 A

**67. INSPECTED BY**

**68. REVIEWED BY**

Print First & Last Name  
Inspected Date: 12/31/2014

PE Number

JD Initial  
1 0 1 1

Print First & Last Name

63.800  
PE Number

JB Initial

Reviewed Date: 1/23/2015

69. Survey (1, 0, N)