

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]	.5 M W OF JCT SR 664	39-45-40 = 39.761111	082-26-26 = - 82.440556
2300427	Highway agency district 5	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 22	US 22	Toll On free road [3]	Features intersected	CONRAIL RR & LIT RUSH CR	
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 3846 km = 2384.5 mi	Year built 1959	Year reconstructed N/A [0000]	
1 Truss - Deck [09]	2 Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared		
		Historical significance	Bridge is not eligible for the NRHP. [5]		
Total length 157 m = 515.1 ft	Length of maximum span 65.2 m = 213.9 ft	Deck width, out-to-out 11.3 m = 37.1 ft	Bridge roadway width, curb-to-curb	10.3 m = 33.8 ft	
Inventory Route, Total Horizontal Clearance 10.3 m = 33.8 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	19.9 metric ton = 21.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	33.3 metric ton = 36.6 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

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="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
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 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="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="63.7"/>
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="May 2012 [0512]"/>	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="May 2012 [0512]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

Structure File Number: 2300427

Inventory Bridge Number: FAI 00022 23890 N

BR. Type: STEEL/TRUSS/DECK

Sufficiency Rating: 065.4

ROUTE CARRIED "ON" THE STRUCTURE CONRAIL RR & LIT RUSH CR

Date of Last Inventory Update:

District: 05	County: FAIRFIELD	(101) Location: .5 M W OF JCT SR 664	(102) Facility Carried: US 22
(2) FIPS Code: FAI-T-66684-RICHLAND TWP		(103) Route On Bridge: STATE (ODOT) (TOLL FR	(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	(Under): RAILROAD - WATERWAY
Inventory Route Data			
(3) Route On/Under: ROUTE CARRIED "ON" THE STR	Hwy Sys: U.S. NUMBERED HIGHWAY	(63) Main Spans Number: 1	Type: STEEL/TRUSS/DECK
Route No: 00022	Dir: NOT APPLICABLE	Des: MAINLINE	Pref: N
(4) Feature Intersected: CONRAIL RR & LIT RUSH CR		Approach Spans Number: 2	Type: STEEL/BEAM/SIMPLE
(5) County: FAI	Mileage: 23890	Special Desig: N	
(6) Avg. Daily Traffic(ADT): 5,330	(7) ADT Year: 2012	Total Spans: 3	(65) Max Span: 214 Ft
(8) Truck Traf: 320	(14) NHS: NON-NHS BRG E	(15) Corridor: N	(66) Overall Leng: 515 Ft
(16) Functional Class: RURAL - MINOR ARTERIAL	(19) Strahnt: NON-STRAHNET BRIDGES		
Intersected Route Data			
(22) Route On/Under:	Hwy Sys:	(70) Substructure	(71) Foundation and Scour Information
Route No:	Dir:	Des:	Pref:
(23) Feature Intersected:		No of Piers Predominate:	Other:
(24) County:	Mileage: 0000	Special Desig:	
(25) Avg. Daily Traffic(ADT):	(26) ADT Year:	(86) Stream Velocity: 00000	(74) Scour: BRIDGE FOUNDATIONS DETERMINED TO BE STAB
(27) Truck Traf:	(28) NHS: -	(29) Corridor: N	(189) Dive: N Freq: 0
(30) Functional Class:	(36) Strahnt:		Probe: Y Freq: 0
		(189) Date of last Dive Insp:	(152) Drainage Area: UUU Sq Mi
Clearance On the Bridge			
(154) Min. Hriz on Bridge:	NC: 0.0	Card: 33.7 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: 4.1/5.1 Ft	
(81) Vrt Clr Lft:	0.0 Ft		
Structure Information			
(38) Bypass Length: 02 Miles			
(39) Latitude: 39 Deg 45 Min 40.88 Sec	Longitude: 82 Deg 26 Min 26.62 Sec		
(40) Toll: ON FREE ROAD, THE STRUCTU			
(41) Date Built: 7/1/1959	(42) Major Rehabilitation:		
(43) No. Lanes On: 2	No. Lanes Under: 0		
(44) Horiz Curve:	(45) Skew: 0 Deg		
(49) App. Rdw Width: 46 Ft	(50) Brq. Rdw Width: 33.8 Ft		
(51) Deck Width: 37.2 Ft	Deck Area: 19160 Sq. Ft		
(52) Median Type: NONE/NON BARRIER/NO JOINT			
(53) Bridge Median: NO MEDIAN			
(54) Sidewalks:	(left) 0.0 Ft	(right) 0.0 Ft	
(55) Type Curb or Sidewalks:			
(Left) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(Right) Matl: NONE	Type: NONE OR N/A (RR, PEDESTRIAN, ETC.)		
(56) Flared: N	(57) Composite: U - NOT APPLICABLE		
(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: SUPER-PLASTICIZED DENSE CONCRETE (SDC) -			
Thickness: 2.5 in	(119) Date of Wearing Surface: 1/1/1985		
Slope Protection: STONE (NO. 1 AGGREGATE)			
Clearance Under the Bridge			
(156) Min. Horiz Under Clear:	NC: 0.0 Ft	Card: 0.0 Ft	
(157) Prac Max Vrt Under Clear:	28.0 Ft		
(77) Min Vert Under Clear:	NC: 0.0 Ft	Card: 28.0 Ft	
(78) Min Lat Under Clear:	NC: 0.0/0.0 Ft	Card: 19.0/9999.9 Ft	
Load Rating Information			
(48) Design Load: H20			(88) Waterway Adequacy: 9
Opr Rat Fact: 1.027 LD: HS20 LOADING			(89) Approach Alignment: 6
Inv Rat Fact: 0.615 LD: HS20 LOADING			Calc Gen Appraisal: 5
(83) Ohio Percent of Legal Load: 120			Calc Deck Geometry: 4
Year of Rating: 2012			Calc Underclearance: 9
(84) Analysis: LOAD FACTOR RATING (LFR)			
(85) Rate Soft: COMBINATION			
Analysis on Bars: NOT ON BARS [DEFAULT]			
PE#: 57465 OMAR ABU-HAJAR			
Approach Information			
(109) Approach Guardrail: STEEL BEAM			
(110) Approach Pavement: BITUMINOUS		(111) Grade: GOOD	
Culvert Information			
(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	
General Information			
(121) Main Member: RIVETED BUILT-UP STEEL		(122) Moment Plate: NO MOMENT PLATES	
(169) Expansion Joint: METAL FINGER			
(124) Bearing Devices: ROLLERS			
(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: 5/23/2013	
(138) Long Member: TWO TRUSSES (RIVETED)		(135) Hinges: SEATED HINGES (ROLLERS, PLATES, POT	
(141) Structural Steel Memb: UNKNOWN		(139) Framing: NONE OR NOT APPLICABLE	
		Railing: U	
Pay Wt: 0 pounds	Prime Loc: FIELD	Paint: PAINT SYSTEM OZEU	
Bridge Dedicated Name:			

General Information (Continued)				Original Plans Information			
(---) Hist Significance: NOT ELIGIBLE		(69) NBIS: Y		(142) Fabricator: R C MAHON			
(---) Hist Builder: OHIO STATE HIGHWAY DEPARTMENT		Hist Build Year: 1959		(143) Contractor: C E REPLOGLE			
(69) Hist Type: CANITLEVER				(144) Ohio Original Construction Project No: 032157			
(161) Special Features (see below):				(---) Microfilm Reel: FAI006			
(105) Border Bridge State: Resp: %(106) SFN:				(151) Standard Drawing:			
Proposed Improvements		Programming Info		Aperture Cards: Orig: Y Repair: N Fabr: Y			
(90) Type Work: -		PID Number: 13840		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: 7/15/1997		1) 630246 / UUU		2) 8200FA / 044	
(90) Roadway Cost (\$1000s):				4) 850794 / 044		3) 830210 / 020	
(90) Total Project Cost (\$1000s):		(90) Year:		5) / 011		6) /	
(91) Future ADT (On Bridge): 5594		(92) Year of Future ADT: 2033					
Inspection Summary		(I-69) Survey Items		Utilities		Special Features	
(I-8) Deck:	5	Railings:		(46) Electric:	N	(161) Lighting:	N
(I-32) Superstructure:	5	Transitions:		Gas:	N	Fencing:	N
(I-42) Substructure:	6	Guardrail:		Sanitary Sewer:	N	Glare-Screen:	N
(I-50) Culvert:	N	Rail Ends:		Telephone:	N	Splash-Guard:	N
(I-54) Channel:	7	In Depth:		TV Cable:	N	Catwalks:	N
(I-60) Approaches:	6	Fracture Critical:		Water:	N	Other-Feat:	N
(I-66) General Appraisal:	5	Scour Critical:		Other:	N	(184) Signs-On:	N
(I-66) Operational Status:	A	Critical Findings:				Signs-Under:	N
Inspection Date:	5/23/2013	Insp. Update Date:	5/23/2013			(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 - 00022 - 2389 - 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: OHIO STATE TRANSPORTATION DEPARTMENT	2nd: NONE	3rd: NONE					
(96) Maint: OHIO STATE TRANSPORTATION DEPARTMENT	2nd: NONE	3rd: NONE					
(97) Routine: OHIO STATE TRANSPORTATION DEPARTMENT	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
22	CONCRETE DECK PROTECTED W/RIGID OVERLAY	1		0	1	0	0	0
131	PAINTED STEEL DECK TRUSS	1028		0	1028	0	0	0
215	REINFORCED CONC ABUTMENT	74		0	74	0	0	0
303	ASSEMBLY JOINT/SEAL	74		0	74	0	0	0
321	REINFORCED CONCRETE APPROACH SLAB	2		2	0	0	0	0
331	CONCRETE BRIDGE RAILING	1028		1028	0	0	0	0

(*) Percentages should add to 100%

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
BRIDGE INSPECTION REPORT

STRUCTURE FILE NUMBER: 2300427

FAI
CO

00022
Route

23890
SLM

FAI-T-66684-RICHLAND TWP
FIPS

DATE BUILT 07/01/1959

District 05 STEEL/TRUSSDECK

Type of Service 1 17 CONRAIL RR & LIT RUSH CR

N
SD FAI

DECK

1. Floor	Out/Out 37.2 1-REINFORCED CONCRETE	2	2. Wearing Surface	THCK=2.5 A-SUPER-PLASTICIZED DENSE CONCRETE	3
3. Curbs, Sidewalks & Walkways	N-NONE N-NONE	2	4. Median	W.S. Date = 01/01/1985 N-NO MEDIAN	
5. Railing	1-REINFORCED CONCRETE PARAPET	1	6. Drainage	3-SCUPPERS AND DOWNSPOUTS	2
7. Expansion Joints	1-METAL FINGER	2	8. SUMMARY	Deck Area: 19,160	5

SUPERSTRUCTURE

9. Alignment of Members	MAX.SPAN.LENGTH = 214	1	10. Beams/Girders/Slab	2-RIVETED BUILT-UP STEEL	2
11. Diaphragms or Cross Frames	TOT.LGTH = 515	2	12. Joist/Stringers		2
13. Floorbeams		1	14. Floorbeam Connections		
15. Verticals		2	16. Diagonals		2
17. End posts			18. Upper Chord		2
19. Lower Chord		2	20. Gusset Plates		2
21. Lateral Bracing		2	22. Sway Bracing		2
23. Portals			24. Bearing Devices	1-ROLLERS 2-ROCKERS & BOLSTERS	2
25. Arch			26. Arch Columns or Hangers		
27. Spandrel Walls			28. Protective Coating System (PCS)	TYPE: 5PAINT SYSTEM OZEU DATE = 08/01/1998	2
29. Pins/Hangers/Hinges	ADT: 5,330 TRUCK: 320 YEAR: 2012	2	30. Fatigue Prone Detail (E & E')		1
31. Live Load Response (E or S)		S	32. SUMMARY		5

SUBSTRUCTURE

33. Abutments	2-CONCRETE 2-CONCRETE	2	34. Abutment Seats	PIERS= # OF SPANS=3	1
35. Piers	TYPE = 2-CONCRETE	1	36. Pier Seats		1
37. Backwalls		2	38. Wingwalls	ABUTMENT:=SPREAD FOOTING/SPREAD FOOTING	1
39. Fenders and Dolphins			40. Scour (Insp Type - 1, 2, 3)	8-BRIDGE FOUNDATIONS DETERMINED TO BE STAB	1
41. Slope Protection	2-STONE (NO. 1 AGGREGATE)	1	42. SUMMARY	DIVE DT= N/A	6

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	N-NONE	
53. Hydraulic Opening		1	54. SUMMARY		7

APPROACHES

55. Pavement	2-BITUMINOUS	1	56. Approach Slabs		2
57. Guardrail	1-STEEL BEAM	2	58. Relief Joint		
59. Embankment	BRDG.WIDTH=33.8	2	60. SUMMARY	PCT.LEGAL= 120	6

GENERAL

61. Navigation Lights			62. Warning Signs	ROUTINE.RESP: 1-OHIO STATE TRANSPORTATION DEPARTMENT MAINT.RESP: 1-OHIO STATE TRANSPORTATION DEPARTME	1
63. Sign Supports	MVC ON=9999 UND=2800		64. Utilities		
65. Vertical Clearance (1, 2-change, N)			66. General Appraisal & Operational Status		5 A

67. INSPECTED BY

68. REVIEWED BY

Print First & Last Name
Inspected Date: 5/23/2013

PE Number

MB
Initial
[] [] [] [] [] [] [] [] [] []

Print First & Last Name

58.440
PE Number

CZ
Initial

Reviewed Date: 1/1/0001

69. Survey (1, 0, N)