Inspector: Fowler,Michael **Structure Number:** 4101995

Inspection Date: 06/05/2025 **Facility Carried:** RAMP A OF SR 43

Ohio Bridge Inspection Summary Report

JEF-00043-0063A (4101995)

B.L.04: District	District 1174608 - STEUBENVILLE (JEF county)		
B.CL.02: Major Maint	01 - State Highway Agency	/	
225 Routine Main A/B	04 - City or Municipal Highway Agency	/	
221 Inspection A/B	01 - State Highway Agency	/	

5A: Inventory Route	1	00043	
7: Facility On	RAMP A OF SR 43		
6: Feature Ints	ADAM ST.RAMP B OVR RMP A		
9: Location	.38 MI N OF PENNA RR		
Lat, Lon	40.362081	,-80.622481	

Condition

B.C.01: Deck	**4**
58.01: Wearing Surface	7
B.C.08: Joint	7
B.C.02: Superstructure	**7**
59.01: Paint & PCS	7
B.C.03: Substructure	**7**
B.C.09: Channel	**N**
B.C.11: Scour	**N**
B.C.10: Channel Prot.	**N**
B.C.05: Bridge Railing	**7**
B.C.06: Transitions	**7**
B.C.07: Bearings	**6**
B.C.04: Culverts	**N**
Ohio GA	**7**

Appraisal

B.AP.03: Scour Vul.	Not over Waterway

Geometric

48: Max Span Length (ft)	58.0
49: Structure Length (ft)	152.0
52: Deck Width, Out-To-Out (ft)	30.3
424: Deck Area (sf)	4605.6
32: Appr Roadway Width (ft)	25
51: Road Width, Curb-Curb (ft)	26.0
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	44
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	18.42
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	0

Load Posting

41: Op/Post/Closed	A - Open
70: Posting	5 - Equal to or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	150
704: Analysis Date	01/13/2023
63: Analysis Method	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

Structure Type

43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
45: Spans Main / Approach	3 / 0
107: Deck Type	1 - Concrete Cast-in-Place
408: Composite Deck	U - Unknown
414A Joint Type 1	8 - Elastomeric Strip Seal
414B: Joint Type 2	N - None
108A: Wearing Surface	2 - Integral Concrete (separate non-modified layer of concrete added to structural deck) 3 - MicroSilica
422: WS Date	05/26/2011
423: WS Thick (in)	3.1
482: Protective Coating	5 - Paint System OZEU
483: PCS Date	07/15/2002
453: Bearing Type 1	2 - Rockers & Bolsters
455: Bearing Type 2	B - Fixed
528: Foundn: Abut Fwd	7 - Steel H Piles (HP 10 x 42)
533: Foundn: Abut Rear	7 - Steel H Piles (HP 10 x 42)
536: Foundn: Pier 1	U - Unknown
539: Foundn: Pier 2	U - Unknown

Age and Service

27: Year Built/ 106 Rehab	1975 / 0000
42A: Service On	1 - Highway
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	01
28B: Lanes Under	01
19: Bypass Length	1
29: ADT	2030
109: % Trucks (%)	16

Inspections

		Months	
B.IE.03 Routine Insp.		12	06/05/2025
B.IE.03: NSTM Insp.	N	0	
B.IE.03: UW Insp.	N	0	
B.IE.03: Special Insp.			
UBIT Insp.	N	0	
Drone Insp.	N	0	

Inspector Fowler,Michael

Inspector: Fowler,Michael
Inspection Date: 06/05/2025

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	4507	sq. ft.	3480	477	202	348
	CS3 - (200SF.) HAUNCH SPALLS THROUGHOUT ALL SPANS. SPAN 1: CS2- AREAS OF DELAMINATION, BAY 1, 40 SF, BAY 2, 12 SF, BAY 3, 60 SF. CS2- TRANSVERSE CRACKS WITH MINOR EFFLO. 60 SF. CS3- 2 SF SPALL WITH EXPOSED REINFORCEMENT IN BAY 2. CS4- 15 SF SPALL WITH THE 2ND MAT OF REBAR EXPOSED IN BAY 3. SPAN 2: CS2- AREAS OF DELAMINATION, BAY 2, 10 SF, BAY 3, 10 SF. CS2- TRANSVERSE CRACKS WITH MINOR EFFLO. 100 SF. CS4- SPALLS WITH THE 2ND MAT OF REBAR EXPOSED, BAY 1, 85 SF, BAY 2, 68 SF, BAY 3, 180 SF. SPAN 3: CS2- AREAS OF DELAMINATION AND HONEYCOMBING, BAY 1, 60 SF, BAY 2, 25 SF, BAY 3, 50 SF. CS2- TRANSVERSE CRACKS WITH MINOR EFFLO. 50 SF.						
510-Wearing Surfaces		3952	sq. ft.	3341	611	0	0
	CS2 - (593 SF). Longitudinal cracks up to 0.022" wide throughout, worst in Spans 2 and 3. CS2 - (18 SF.) DELAM. FWD. HALF.						
107-Steel Open Girder/Beam	3 - Mod.	608	ft.	608	0	0	0
515-Steel Protective Coating		5272	sq. ft.	4220	1000	0	52
	Beam perimeter = 8.67' OZEU 7-02 CS2 - Paint chalky on exterior faces of Beams 1 and 4 (1000 SF total in all spans). CS4- 52 SF, SMALL AREAS OF PAINT FAILURE THROUGHOUT.						
205-Reinforced Concrete Column	3 - Mod.	6	each	5	1	0	0
	CS2 - Pier 1 Column 2 with a 2' diameter delamination at the bottom of the left side (1 EA).						
215-Reinforced Concrete Abutment	3 - Mod.	84	ft.	56	25	3	0
	REAR: CS2- (4LF.) HORZ.CR. ABUT. SEAT BAY #1. FWD: BAY #1 - CS2 - (5LF.) HORZ. CR. ON ABUT. SEAT. BAY #2- CS3 - (3LF.) HORZ. CR. CS2 - (8LF.) MAP CR. AREAS THAT WEREPATCHED. BAY 3 CS2 - (8LF.) PATCHES THAT ARE MAP CR.						
234-Reinforced Concrete Pier Cap	3 - Mod.	84	ft.	83	1	0	0
	CS2 - (1LF.) DELAM. BETWEEN COLUMNS 1 & 2.						
300-Strip Seal Joint	3 - Mod.	84	ft.	52	32	0	0
	CS2 - Minor debris in joint gland, worst in the shoulders (10 LF at Rear Abutment), (10 LF at Forward Abutment). Transverse hairline cracks with light efflorescence in the right shoulder of the joint headers (Rear - 5 LF, Forward - 7 LF).						

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
311-Movable Bearing	3 - Mod.	12	each	5	3	4	0
	CS2 - Minor abrasion dust between the rocker bearing and sole plate (Beam 3 at the Rear Abutment), (Beam 2 at the Forward Abutment). Minor laminate corrosion to masonry plate (Beam 1 at Pier 2. CS3 - (2EA.) and Beams 1 and 4 at the Forward Abutment). CS3 - Beams 1 and 4 at the Rear Abutment with moderate to heavy laminate corrosion (2 EA).						
313-Fixed Bearing	3 - Mod.	4	each	3	1	0	0
	CS2 - Anchor nut backed off 1” at northwest corner of Beam 4 at Pier 1 (1 EA).						
321-Reinforced Concrete Approach Slab	3 - Mod.	1040	sq. ft.	993	16	31	0
	CS2 - Longitudinal minor (<1/32" wide) cracks in the forward half of the forward approach slab (15 SF). Sound concrete patch 12" wide by 9" long near the white line in the forward approach slab (1 SF). CS3 - Longitudinal crack 0.05" wide along centerline of the road (20 SF in rear approach slab). Spalling/delaminated area in the left shoulder of the rear approach slab up to 2" wide by 4' long (10 SF). CS3 - (1SF.) SPALL RT. W/SOME DELAM. AROUND SPALL AT REAR APPROACH.						
331-Reinforced Concrete Bridge Railing	3 - Mod.	304	ft.	213	90	1	0
	NOTE: RAILING IS 37" HIGH. CS2 - Hairline to minor (1/32" wide) vertical cracks (50 LF at left railing), (40 LF at right railing). CS3 - (1LF.) SPALL FWD - LT. NEAR JNT.						
815-Drainage	3 - Mod.	4	each	3	1	0	0
	CS2 - (1EA.) LT. REAR SCUPPER CLOGGED, NOT WORKING AS DESIGNED.						
830-Abutment Backwall	3 - Mod.	84	ft.	76	8	0	0
	REAR BACKWALL CS2 - (3LF.) VERT CR. FWD ABUTMENT CS2 - (5LF.) VERT. CR.						

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Inspection Date:	06/05/2025	**Facility Carried:**	RAMP A OF SR 43

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ODOT District:	District 11					Date Built:	07/01/1975
Major Maint:	01 - State Highway Agency	Facility Carried:	RAMP A OF SR 43	Traffic On:	1 - Highway	Rehab Date:	
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	ADAM ST.RAMP B OVR RMP A	Traffic Under:	1 - Highway, with or w/out pedestrian	Insp. Resp A:	01 - State Highway Agency
FIPS Code:	74608 - STEUBENVILLE (JEF county)	Location:	DISTRICT 11		.38 MI N OF PENNA RR	Insp Resp B:	

Inspector Fowler,Michael Inspection Date 06/05/2025 Reviewer Trivoli,Raymond

Inspector Comments - Deck and Approach

Deck, Wearing Surface, Joints, Railing

Approach

Approach Pressure Relief Joint (LF)

Only located at rear approach. There are two 4' long longitudinal cracks in the travel lane. The south edge of the relief joint in the shoulders is 1" higher than the concrete approach roadway.

APPROACH GUARDRAIL (LF)

LT FWD MINOR COLLISION DAMAGE.

Inspector Comments - General Appraisal

Superstructure, Bearings

Substructure

Slope Protection

The slope at the Rear Abutment below Beam 4 has a large erosion channel in the rock slope due to the scupper downspout. derate

Culvert

Inspector Comments - Waterway

Channel Protection

Channel

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Scour

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Bridge Inspection Report

Pictures