Inspector: Fowler,Michael
Inspection Date: 06/05/2025
Structure Number: 4102029
Facility Carried: NB RAMP ONTO SR 43

Ohio Bridge Inspection Summary Report

JEF-00043-0063 (4102029)

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	NB RAMP ONTO SR 43
6: Feature Ints	SR 43 UNDER RAMP B
9: Location	0.30 MI. N. OF CONRAIL RR
Lat, Lon	40.363189 ,-80.622669

Condition

B.C.01: Deck	**4**
58.01: Wearing Surface	6
B.C.08: Joint	6
B.C.02: Superstructure	**7**
59.01: Paint & PCS	6
B.C.03: Substructure	**6**
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	**6**

Appraisal

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

Geometric

48: Max Span Length (ft)	66.0
49: Structure Length (ft)	213.0
52: Deck Width, Out-To-Out (ft)	30.5
424: Deck Area (sf)	6496.5
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)	40
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	14.92
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 (%)	105
704: Analysis Date	06/19/2023
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	4 / 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	10/31/2014
423: WS Thick (in)	2.5
482: Protective Coating	5 - Paint System OZEU
483: PCS Date	07/21/2002
453: Bearing Type 1	2 - Rockers & Bolsters
455: Bearing Type 2	B - Fixed
528: Foundn: Abut Fwd	6 - Rock (including Spread Footing on Rock)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

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	04
19: Bypass Length	1
29: ADT	1000
109: % Trucks (%)	10

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

Structure Number: 4102029
Facility Carried: NB RAMP ONTO SR 43

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	6501	sq. ft.	5871	378	12	240
	SPAN 1: CS2- ISOLATED MINOR HAUNCH SPALLS ARE TYPICAL THROUGHOUT. CRACKED AND DELAMINATED AREAS (50 SF IN BAY 1). (10SF IN BAY 2). (30 SF IN BAY 3). CS3- 6SF SPALL WITH EXPOSED REBAR BAY 2. SPAN 2: CS2- ISOLATED MINOR HAUNCH SPALLS ARE TYPICAL THROUGHOUT. CRACKED AND DELAMINATED AREAS (8SF IN BAY 3). WITH 25 SF OF TRANS CRACKS WITH MINNOR EFFLO. CS4-DEEP SPALLS WITH FULLY EXPOSED REBAR (80SF IN BAY 1) (50SF IN BAY 2) . SPAN 3: CS2- ISOLATED MINOR HAUNCH SPALLS TYPICAL THROUGHOUT AND C+D 120SF. CS2- 18SF OF TRANS CRACKS WITH MINNOR EFFLO. CS4-DEEP SPALLS WITH FULLY EXPOSED REBAR (40SF IN BAY 1) (70SF IN BAY2). SPAN 4: CS2- ISOLATED MINOR HAUNCH SPALLS ARE TYPICAL THROUGHOUT. CRACKED AND DELAMINATED AREAS (30 SF IN BAY 1) (10SF IN BAY 2). CS3- 6SF SPALLING WITH EXPO REBAR IN BAY 1,2.						
510-Wearing Surfaces		5538	sq. ft.	3538	2000	0	0
	CS2- LONGITUDINAL TRANS AND MAP CRACKS WITH AREAS OF DELAM THROUGHOUT. DELAMINTION ARE WORST IN THE FWD HALF 2000 SF.						
107-Steel Open Girder/Beam	3 - Mod.	852	ft.	844	8	0	0
	CS2 - Minor surface corrosion on beam ends (1 LF at Beam 1 and the Rear Abutment), (3 LF at Beam 1 and the Forward Abutment), (4 LF at Beam 4 and the Forward Abutment).						
515-Steel Protective Coating		7472	sq. ft.	4464	3003	5	0
	Beam perimeter = 8.77' OZEU 7-02 CS2- 3000SF CHAULKING THROUGHOUT WORST EXTERIOR BEAM FACIAS 1 AND 4. CS2 - Minor areas of peeling paint (3 SF at Beam 1 and the Forward Abutment). CS3 - Minor areas of flaking paint with surface corrosion (2 SF at Beam 1 and the Rear Abutment), (3 SF at Beam 4 and the Forward Abutment)						
205-Reinforced Concrete Column	3 - Mod.	9	each	7	0	2	0
	CS3 - Vertical crack with rust staining extending from cap (Pier 1 at Column 3, forward face). P2 C1 SPALL WITH EXPOSED REBAR BOTTOM RIGHT.						
215-Reinforced Concrete Abutment	3 - Mod.	80	ft.	30	40	10	0
	CS2 - Minor vertical and longitudinal cracks at corner of the stem at previous patches (10 LF at Rear Abutment), (30 LF at Forward Abutment). CS3- MODERATE crack in the Forward Abutment below Beam 3 (4 LF). CS3 - horizontal crack along top corner of seat with rust staining (6 LF at Forward Abutment under Beam 2).						

Inspector: Fowler,Michael
Inspection Date: 06/05/2025
Structure Number: 4102029
Facility Carried: NB RAMP ONTO SR 43

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
234-Reinforced Concrete Pier Cap	3 - Mod.	120	ft.	88	32	0	0
	PIER1 CS2 - Vertical and horizontal crack in end of the cap over the column (4 LF at right end). 5LF VERT CRACKS. PIER 2 CS2- 6LF VERT CRACKS. PIER 3 CS2- Delamination (2 LF at right end, forward face). Hairline vertical and horizontal cracks (15 LF in left half, forward face).						
300-Strip Seal Joint	3 - Mod.	80	ft.	0	0	80	0
	CS3- SECTION LOSS TO JOINT ARMOR, GLAND IS FULL OF DEBRIS, AND CRACKS IN THE HEADER FWD AND REAR 80LF.						
311-Movable Bearing	3 - Mod.	16	each	8	4	4	0
	CS2 - Minor abrasion dust between rocker and sole plate (Beams 2 and 3 at the Rear Abutment), (Beams 2 and 3 at the Forward Abutment). CS3 - Moderate laminate corrosion on masonry plate (Beam 1 AND 4 at Rear Abutment), (Beams 1 and 4 at the Forward Abutment).						
313-Fixed Bearing	3 - Mod.	4	each	4	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	1300	sq. ft.	985	298	10	7
	FWD CS2 - Minor transverse cracks up to 1/16" wide (25 SF at Forward Approach right shoulder) (3 SF at Forward Approach left shoulder). CS2- 250SF OF FINE MAP CRACKING. CS3 - Settlement ~6" deep of approach slab at left rear corner of the forward approach slab (10 SF). CS4 - Longitudinal crack up to 1" wide in the right forward corner of the forward approach slab (7 SF). REAR Minor (1/32" wide) longitudinal cracks in the forward end 1' of the rear approach slab (20 SF).						
331-Reinforced Concrete Bridge Railing	3 - Mod.	426	ft.	226	200	0	0
	37" HIGH. CS2 - Hairline to minor (1/32" wide) vertical cracks spaced approximately 2' to 4' apart throughout both railings (200 LF).						
815-Drainage	3 - Mod.	5	each	4	1	0	0
	CS2 - 50% clogged (1 EA).						
830-Abutment Backwall	3 - Mod.	80	ft.	71	7	1	1
	REAR CS2 - Minor cracks at patch locations (3 LF at Rear Abutment). FWD CS2- 4LF VERT CRACKS. CS4 - DEEP Spall at right end of the Forward Abutment backwall (1 LF).						

Inspector:	Fowler,Michael	**Structure Number:**	4102029
Inspection Date:	06/05/2025	**Facility Carried:**	NB RAMP ONTO SR 43

JEF-00043-0063 _(4102029)

ODOT District:	District 11					Date Built:	07/01/1975
Major Maint:	01 - State Highway Agency	Facility Carried:	NB RAMP ONTO SR 43	Traffic On:	1 - Highway	Rehab Date:	
Routine Maint:	04 - City or Municipal Highway Agency	Feature Inters:	SR 43 UNDER RAMP B	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	0.30 MI. N. OF CONRAIL 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

Utilities

Two of twelve screws are missing in the utility box cover in the right railing of Span 3 near Pier 3.

Approach

Approach Pressure Relief Joint

HAS MANY AREAS OF POTHOLES NEAR THE YELLOW LINE. MANY AREAS OF WIDE OPEN CRACKS CAUSING ROUGH TRANSITION TO THE APPROACH WEARING SURFACE.

Approach Railing

The left forward approach railing has a 1/32" wide diagonal crack adjacent to where the forward approach slab has settled. MINOR COLLISION DAMAGE TO LEFT AND RIGHT FWD.

Inspector Comments - General Appraisal

Superstructure, Bearings

Substructure

Culvert

Inspector Comments - Waterway

Channel Protection

Channel

Scour

Inspector:	Fowler,Michael	**Structure Number:**	4102029
Inspection Date:	06/05/2025	**Facility Carried:**	NB RAMP ONTO SR 43

Pictures