

Ohio Bridge Inspection Summary Report

CUY-00090-0667 (1807781)

2: District 12 68056 - ROCKY RIVER (CUY county)
 21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 04 - City or Municipal Highway /
 Agency
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location CUY

5A: Inventory Route 1 LCKVW
 7: Facility On LAKEVIEW AVE
 6: Feature Ints I-90
 9: Location .72 MI E OF JCT SR254

Condition	
58: Deck	6 - Satisfactory Condition
58.01 Wearing Surface	7 - Good (1% distress)
58.02 Joint	6- Satisfactory (isolated leaking)
59: Superstructure	7 - Good Condition
59.01 Paint & PCS	6 - Satisfactory (5-10% corr.)
60: Substructure	6 - Satisfactory Condition
61: Channel	N
61.01 Scour	N - Not Applicable
62: Culverts	N - Not Applicable

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	N - Non-composite Construction
414A Joint Type 1	2 - Sliding Metal Plate Angle
414B: Joint Type 2	N - None
108A: Wearing Surface	2 - Integral Concrete (separate non-modified layer of concrete added to structural deck) 1- Super Plasticized

67.01 GA 6

Appraisal	
Sufficiency Rating	76.2 SD/FO 2 - FO
36: Rail, Tr, Gd, Term Std	1 0 0 0
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	N - Not over waterway
71: Waterway Adequacy	N - Not Applicable

422: WS Date	07/01/1993
423: WS Thick (in)	1.75
482: Protective Coating	5 - Paint System OZEU
483: PCS Date	09/22/2000
453: Bearing Type 1	2 - Rockers & Bolsters
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	0 - Other

Geometric	
48: Max Span Length (ft)	65.0
49: Structure Length (ft)	226.0
52: Deck Width, Out-To-Out (ft)	42.0
424: Deck Area (sf)	9492
32: Appr Roadway Width (ft)	28.0
51: Road Width, Curb-Curb (ft)	28.0
50A: Curb/SW Width: Left (ft)	6
50A: Curb/SW Width: Right (ft)	6
34: Skew (deg)	0
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	14.96
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	0

Age and Service	
27: Year Built/ 106 Rehab	1977 / 0000
42A: Service On	5 - Highway-pedestrian
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	02
28B: Lanes Under	06
19: Bypass Length	1
29: ADT	6702
109: % Trucks (%)	5

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 (%)	130
704: Analysis Date	03/04/2020
63: Analysis Method	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

Inspections	
90: Routine Insp.	Months 12 03/02/2021
92A: FCM Insp.	N
92B: Dive Insp.	N
92C: Special Insp.	N
92D: UBIT Insp.	N
92E: Drone Insp.	
Inspector	Persanyi,Andrea

Inspector: Andrea Persanyi
 Inspection Date: 03/02/2021

Structure Number: 1807781
 Facility Carried: LAKEVIEW AVE

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	9450	sq. ft.	8310	990	150	0
	CS 2: transverse leached cracks, at 10' spacing CS 3: approximately 150 sf of spalls & delams.						
510 - Wearing Surfaces		6272	sq. ft.	0	6270	2	0
	CS 2: areas of fine map cracks. a few transverse cracks. CS 3: shallow spall at left curb near forward scuppers						
107 - Steel Open Girder/Beam	3 - Mod.	1105	ft.	1101	0	4	0
	CS 3: rusted section loss at some beam ends. old sign mounts welded to left fascia in span 2.						
515 - Steel Protective Coating		9853	sq. ft.	0	9253	600	0
	CS 2: chalking throughout. CS 3: rusting, mainly to lower flanges. peeling & blistering paint.						
205 - Reinforced Concrete Column	3 - Mod.	6	each	0	1	5	0
	CS 2: cracks, P2C1 CS 3: wide cracks, delams as large as 20 SF to P1C1 & C2, P2C2, P3C1 & C2, 4 SF spall to P3C2.						
215 - Reinforced Concrete Abutment	3 - Mod.	86	ft.	76	10	0	0
	CS 2: a few cracks & rust stains, throughout, scaling to forward abutment. small pop-outs.						
234 - Reinforced Concrete Pier Cap	3 - Mod.	111	ft.	99	12	0	0
	CS 2: cracks throughout						
305 - Assembly Joint without Seal	3 - Mod.	56	ft.	54	2	0	0
	CS 2: asphalt patches & spalling to rear exit header with crumbling concrete at rear-right curb. Note: many rusting thru holes to forward-left & both rear sidewalk cover plates. forward-right sidewalk cover plate slightly bent up.						
311 - Movable Bearing	3 - Mod.	20	each	10	10	0	0
	CS 3: rusting to bottoms of abutment rockers. some pack rust to abutment bearings.						
313 - Fixed Bearing	3 - Mod.	5	each	5	0	0	0
321 - Reinforced Concrete Approach Slab	3 - Mod.	1120	sq. ft.	985	120	15	0
	CS 2: fine map cracking at rear CS 3: asphalt patches, mostly at rear, some breaking up						
331 - Reinforced Concrete Bridge Railing	3 - Mod.	450	ft.	444	6	0	0
	CS 2: minor cracks, spalls & delams.						

Inspector: Andrea Persanyi
Inspection Date: 03/02/2021

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Element Inspection

815 - Drainage	3 - Mod.	8	each	0	8	0	0
CS 2: partially plugged scuppers.							
830 - Abutment Backwall	3 - Mod.	86	ft.	78	8	0	0
CS 2: cracks, rust stains at both ends.							

ODOT District: 12

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Facility Carried: LAKEVIEW AVE

Traffic On: 5 - Highway-pedestrian

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: I-90

Traffic Under: 1 - Highway, with or w/out pedestrian

Insp: 01 - State Highway Agency

FIPS Code: 68056 - ROCKY RIVER (CUY county)

Location: CUY

.72 MI E OF JCT SR254

Resp A:

Insp

Resp B:

Inspector

Persanyi,Andrea

Inspection Date

03/02/2021

Reviewer Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Floor/Slab (SF)

Spalls forming in bays 1-4 over EB lane 1.

Curbs/Sidewalk (LF)

Cracks, shallow spalls.

Bridge Railing (LF)

7/31 posts on right rail and 11/30 posts on left rail have cracks with lengths from 2"-5".

Approach

Approach Wearing Surface (EA)

Cracks, asphalt patches, potholes & areas of breaking up asphalt to rear, a few cracks to forward.

Approach Embankment (EA)

Minor settlement to rear-left approach walk.

Approach Guardrail (EA)

Some post rot at rear-left.

Signs (EA)

No bridge end markers.

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frames (EA)

Endframe rusting section loss, pack rust & rusted thru holes, cracks to endframe gusset plate welds in rear bays 1 & 4, broken endframe gusset plate weld in forward bay 1.

Fatigue (LF)

Welded cover plates at piers.

Utilities (LF)

Some rusting section loss to conduit & hardware.

Substructure

Slope Protection (EA)

Cracks, uneven settlement, erosion under partially collapsed section at rear. Note: standing water at base of rear slope (around P1 columns).

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical