

Inspector: Ropelewski,Robert

Inspection Date: 07/26/2023

Structure Number: 1809350

Facility Carried: NSC RR

Ohio Bridge Inspection Summary Report

CUY-00090-1796 (1809350)

2: District 16000 - CLEVELAND (CUY county)
ict
12

5A: Inventory Route 2 00090

21: Major Maint A/B 01 - State Highway Agency /
225 Routine Main A/B 01 - State Highway Agency /
221 Inspection A/B 01 - State Highway Agency /
220: Inv. Location DISTRICT 12

7: Facility On NSC RR
6: Feature Ints NSC RR
9: Location .28 MI. E. OF JCT US-6
Lat, Lon 41.513772 ,-81.673383

Condition	Structure Type
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58: Deck 7 - Good Condition
58.01 Wearing Surface N - Not Applicable
58.02 Joint N- Not Applicable
59: Superstructure 7 - Good Condition
59.01 Paint & PCS 5 - Fair (10-15% corr.)
60: Substructure 7 - Good Condition
61: Channel N
61.01 Scour N - Not Applicable
62: Culverts N - Not Applicable
67.01 GA 7

43: Bridge Type 4 - Steel continuous
02 - Stringer/Multi-beam or Girder
N- Not Applicable
45: Spans Main / Approach 2 / 0
107: Deck Type 1 - Concrete Cast-in-Place
408: Composite Deck N - Non-composite Construction
414A Joint Type 1 N - None
414B: Joint Type 2 N - None
108A: Wearing Surface N - NA
N- Not Applicable

Appraisal

Sufficiency Rating 35.0 SD/FO 2 - FO
36: Rail, Tr, Gd, Term Std N N N N
72: Approach Alignment 4 - Meets minimum tolerable limits to be left in place as is
113: Scour Critical N - Not over waterway
71: Waterway Adequacy N - Not Applicable

422: WS Date
423: WS Thick (in) 0.0
482: Protective Coating 0 - Other Paint
483: PCS Date 01/01/1987
453: Bearing Type 1 3 - Sliding (Bronze)
455: Bearing Type 2 N - None
528: Foundn: Abut Fwd 2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
533: Foundn: Abut Rear 2 - Cast-in-Place reinforced Concrete Piles (Other diameter)
536: Foundn: Pier 1 2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
539: Foundn: Pier 2 0 - Other

Geometric

48: Max Span Length (ft) 64.0
49: Structure Length (ft) 145.6
52: Deck Width, Out-To-Out (ft) 262.8
424: Deck Area (sf) 38263.68
32: Appr Roadway Width (ft) 0.0
51: Road Width, Curb-Curb (ft) 0.0
50A: Curb/SW Width: Left (ft) 0
50A: Curb/SW Width: Right (ft) 0
34: Skew (deg) 14
33: Bridge Median 0 - No median
54B: Min Vert Underclearance (ft) 15.12
336A: Min Vert Clrnce IR Cardinal (ft) 15.12
336B: Min V Clr IR Non-Cardinal (ft) 15.15
578: Culvert Length (ft) 0

Age and Service

27: Year Built/ 106 Rehab 1959 / 0000
42A: Service On 2 - Railroad
42B: Service Under 1 - Highway, with or w/out pedestrian
28A: Lanes on 00
28B: Lanes Under 08
19: Bypass Length 0
29: ADT 114638
109: % Trucks (%) 4

Load Posting

41: Op/Post/Closed A - Open
70: Posting
70.01: Date
70.02: Sign Type
734: Percent Legal (%) 0
704: Analysis Date
63: Analysis Method 5 - No rating analysis or evaluation performed

Inspections

90: Routine Insp. *Months* 24 07/26/2023
92A: FCM Insp. N 0
92B: Dive Insp. N 0
92C: Special Insp. N 0
92D: UBIT Insp. N 0
92E: Drone Insp. N 0

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ODOT District: District 12

CUY-00090-1796 _(1809350)

Date Built: 07/01/1959

Major Maint: 01 - State Highway Agency

Facility Carried: NSC RR

Traffic On: 2 - Railroad

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: NSC RR

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

Insp. 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: DISTRICT 12

.28 MI. E. OF JCT US-6

Resp A:

Inspector

Ropelewski,Robert

Inspection Date 07/26/2023

Reviewer Seif,Youssef

Insp

Resp B:

Inspector Comments - Deck and Approach

Deck

Note: East is rear.

Floor/Slab

Epoxy-smear areas, mottled areas along longitudinal seams. Floor is 1-5% deteriorated.

Deck Drainage

Water has leaked thru deck & flowed onto girders & pier caps. Water has leaked through 4th seam from the south near rear abutment.

Approach

Inspector Comments - General Appraisal

Superstructure

Beams/Girders

Surface rust, areas of rusting section loss, mainly to outside of fascia girders. Some fretting at stiffeners & diaphragms. Some pack rust at built up areas. Collision scrapes to lower flanges over WB lane #4 near north side of bridge. Bent stiffener to beam 8r over WB right berm. Small dent in lower flange of beam 25r near rear abutment.

Protective Coating System

Rust, heavier on fascias & lower flanges. Surface dulling throughout. Peeling paint. PCS is 10-15% deteriorated.

Substructure

Abutment Walls

Cracks, most epoxy injected. A few minor delams and spalls. Collision scrapes.

Pier Caps

Cracks, some leaching. Few small delams. South end of cap has leaching cracks and delam. *Note: evidence of leakage onto pier caps.*

Pier Columns/Bents

A few leaching cracks.

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Wingwalls

A few leaching cracks at rear-right.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures