



Bridge Inspection Checklist

Complete

Score	75.44%	Flagged items	0	Actions	1
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Document No. 005628

Client / Site

Amaranth Corp Redux

Conducted on 20.06.2023 10:39 PST

Prepared by Jonathan Conner

Location Manhattan, New York

Personnel

Jason Lamb - Program Manager
Stanley Bruce - Team Leader
Jenny Mara - Load Rater

Actions

1 action

Audit / DECK

Joint Condition

Poor



Photo 3

To Do | Assignee Juhlian Pimping | Priority High | Due 23.06.2023 18:00 PST | Created by SafetyCulture Staff

Check and apply silicone seal for reinforcement.

Audit

1 action, 75.44%

Bridge #

008-4/5-2.95(01214)

16.06.2023 18:30 PST

Photo 1 - Upstream Face



Photo 1

Photo 2 - Downstream Face



Photo 2

BRIDGE ENDS

100%

Bridge Open/Posted/Closed

Open

Posting Signs Required?

Yes

Posting Signs in Place?

Yes

Bridge Rail (36a)

Good

Rail Transition (36b)

Good

Approach G'Rail (36c)

Good

Guard Rail Ends (36d)

Good

Bridge End General Comments:

In good condition and would require no repair and maintenance work for the next few months.

DECK

1 action, 70%

Joint Condition

Poor



Photo 3

To Do | Assignee Juhlian Pimping | Priority High | Due 23.06.2023 18:00 PST | Created by SafetyCulture Staff

Check and apply silicone seal for reinforcement.

Drain Condition

Fair

Rail Condition

Fair

Nothing notable aside from natural wear and scratches.

Sidewalk Condition

Fair

Live Load Deflection/Vibration

Moderate

Debris Accumulation on Deck

Light

Overall Deck Condition

Fair

NBI Deck Cond. 9-Excellent; 8-No Problems Noted, 7-Mnr Problems; 6-Mnr Deterioration; 5-Mnr Cracking; 4-Adv Deterioration; 3-Loss of Section; 2-Monitor Closely/Close Til Repair; 1-Br Closed til Repair; 0-Beyond Repair

7
From 1 to 10

Deck General Comments

Aside from minor joint repair work, everything else is in good condition.

SUPERSTRUCTURE

88.89%

Girders

Fair

Diaphragms

Fair

Stringers

Fair

Floor Beams

Fair

Sway Bracing

Fair

Hangers

Fair

Paint

Fair

Cap/Girder Debris

Light

Minor debris cleared out during inspection

NBI Superstructure Cond. 9-Excellent; 8-No Problems Noted, 7-Mnr Problems; 6-Mnr Deterioration; 5-Mnr Cracking; 4-Adv Deterioration; 3-Loss of Section; 2-Monitor Closely/Close Til Repair; 1-Br Closed til Repair; 0-Beyond Repair

8
From 1 to 9

General Super Structure Comments

No necessary repair or maintenance work for now.

SUBSTRUCTURE

11.11%

NBI Superstructure Cond. 9-Excellent; 8-No Problems Noted, 7-Mnr Problems; 6-Mnr Deterioration; 5-Mnr Cracking; 4-Adv Deterioration; 3-Loss of Section; 2-Monitor Closely/Close Til Repair; 1-Br Closed til Repair; 0-Beyond Repair

1
From 1 to 9

Abutments

Bearings

Fair

Cap

Fair

Piling Foundations

Fair

Pile Type

Prestressed Concrete 14"

Back Wall

Fair

No noticeable damage.



Photo 4

Embankment

Fair

Slope Protection

Fair

Scour

Light

Intermediate Bents

88.89%

Bearings

Fair

Cap

Fair

Piles/Columns	Fair
Pile Type	Prestressed Concrete 14"
Footings	Fair
Web Walls	Fair
Bracing	Fair
Scour	Light

NBI Substructure Cond. 9-Excellent; 8-No Problems Noted, 7-Mnr Problems; 6-Mnr Deterioration; 5-Mnr Cracking; 4-Adv Deterioration; 3-Loss of Section; 2-Monitor Closely/Close Til Repair; 1-Br Closed til Repair; 0-Beyond Repair **8**
From 1 to 9

Underwater Inspection Req'd? No

General Substructure Comments

No current issues after checking for cracked or spalled areas of substructure.

Scour/Waterway Appraisal 94.44%

Scour Critical (113) 8-Br. Stable w/ Scour Above Top of Footing

Scour Indicator Notes: (Describe scour condition)

found no scour or undercutting around the piers

Scour Countermeasures in Place? Yes

Debris/Drift Upstream? No

Debris/Drift Site? No

Debris/Drift Downstream? No

Overall Channel Condition Fair

Indications that High Waters Overtop Structure and/or Approach Roadway? Rarely

Waterway Adequacy (71) 9-Chance of O.T. Remote; 8-Slight Chance of O.T. Approaches; 7-Slight Chance of O.T. Bridge; 6-Approach Only O.T., Insign. Delay; 5-Approach Only O.T., Sign. Delay; 4-Occas. Br & Appr. w/ Sign. Delay; 3-Freq. O.T. of Br. & Appr. w/ Sign. Delay; 2-Freq. O.T., Sev. Delay; 0-Br. Cl. **9**
From 1 to 9

NBI Channel Rating (61) 9-No Deficiencies; 8-Stable Condition; **8**

7-Bank Needs Minor Repair; 6-Bank Slumping, Light Debris; 5-Bank Eroding, Moderate Debris; 4-Severe Damage; Large Amts of Debris; 3-Bank Failed, Threatening Br.; 2-Br. Near Collapse; 1-Br. Closed Due to Channel; 0-Br. Perm. Closed

From 1 to 9

General Waterway/Scour Comments:

Previous reports have noted minor scour at both piers; with no significant changes over the years. Today's inspection shows low risk for scour.

Inspection Team Summary

General Notes

Bridge is in good condition. No necessary repair or maintenance work needed based off the data gathered today. Next routine inspection is scheduled for Feb 2021.

Team Leader

Jason Lamb, P.E.

Media summary



Photo 1

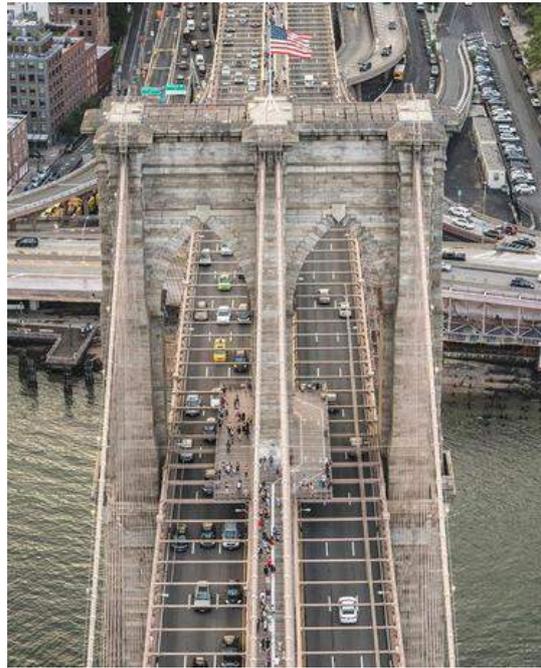


Photo 2



Photo 3



Photo 4