Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

STATE OF OHIO
BRIDGE INSPECTION REPORT

ATB-00648-0.639 _(0460053)

ODOT District 04 County: 04 - Ashtabula
City or Township:
Facility Carried:

over

Type of Service On the Bridge
Structure Type: 3 - Steel
03 - Girder and Floorbeam System

Major Maintenance Responsibility
Inspection Responsibility #1 27 - Railroad
Inspection Responsibility #2 04 - City or Municipal Highway Agency
Routine Maintenance Responsibility: 27 - Railroad

Inspection Date:	**12/08/2025**	**Lead Inspector:**	**Cartwright,Donald**
Inspection Type:	**Ohio Cursory**	**Reviewed by:**	**Cartwright,Donald**

Inspector: Cartwright,Donald **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

1: BRIDGE IDENTIFICATION

1.1: Identification

B.ID.01: Bridge Number 0460053

B.ID.02: Bridge Name ATB-MR00648-0.639

B.ID.03: Previous Bridge Number .....

1.2: Location

B.L.01: State Code ..... 39 - Ohio

B.L.02: FIPS County Code 007

B.L.03: Place Code ..... 02638 - ASHTABULA (ATB county)

B.L.04: Highway Agency District ..... District 04

B.L.05: Latitude 41.877003

B.L.06: Longitude ..... -80.791533

B.L.07: Border Bridge Number ..... N

B.L.08: Border Bridge State/Country Code .....

B.L.09: Border Bridge Insp. Responsibility .....

B.L.10: Border Bridge Designated Lead State .....

B.L.11: Bridge Location

0.63 MI NW OF US20

B.L.12: Metropolitan Planning Organization

NONE

1.3: Classification

B.CL.01: Owner ..... R - Railroad

B.CL.02: Maintenance Responsibility ..... R - Railroad

B.CL.03: Federal / Tribal Land Access ..... N - Not applicable

B.CL.04: Historic Significance ..... N - Bridge is not eligible for the National Register, and is not in a historic district eligible for the National Register

B.CL.05: Toll ..... N - Bridge does not carry a toll road and is not a toll bridge

B.CL.06: Emergency Evacuation Designation ..... N - Not an emergency evacuation route

2: BRIDGE MATERIAL AND TYPE

2.1: Span Material and Type

B.SP.01: Span Configuration Designation M01

B.SP.02: Number of Spans 4

B.SP.03: Number of Beam Lines 10

B.SP.04: Span Material ..... S04 - Steel - riveted shapes

B.SP.05: Span Continuity ..... 1 - Simple or single span

B.SP.06: Span Type ..... G09 - Girder/beam - girder & floor beam

B.SP.07: Span Protective System ..... C01 - Coating - paint

B.SP.08: Deck Interaction ..... NC - Non-composite

B.SP.09: Deck Material and Type ..... C01 - Reinforced concrete - cast-in-place

B.SP.10: Wearing Surface ..... 0 - None

B.SP.11: Deck Protective System ..... 0 - None

B.SP.12: Deck Reinforcing Protective System ..... 0 - None

B.SP.13: Deck Stay-In-Place Forms ..... 0 - None

Inspector: Cartwright,Donald **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

2.2: Substructure Material and Type

B.SB.01: Substructure Configuration Designation A01

B.SB.02: Number of Substructure Units 2

B.SB.03: Substructure Material ..... C01 - Reinforced concrete - cast-in-place

B.SB.04: Substructure Type ..... A01 - Abutment - cantilever/wall

B.SB.05: Substructure Protective System ..... C02 - Coating - sealer

B.SB.06: Foundation Type ..... U - Unknown

B.SB.07: Foundation Protective System ..... U - Unknown

B.SB.01: Substructure Configuration Designation P01

B.SB.02: Number of Substructure Units 3

B.SB.03: Substructure Material ..... S04 - Steel - riveted shapes

B.SB.04: Substructure Type ..... B01 - Bent - column or open

B.SB.05: Substructure Protective System ..... C01 - Coating - paint

B.SB.06: Foundation Type ..... U - Unknown

B.SB.07: Foundation Protective System ..... U - Unknown

Inspector: Cartwright,Donald
Inspection Date: 12/08/2025
Structure Number: 0460053
Facility Carried:

2.3: Roadside Hardware

B.RH.01: Bridge Railings I
B.RH.02: Transitions ..... N

3: GEOMETRY

B.G.01: NBIS Bridge Length 60.0
B.G.02: Total Bridge Length 64.0
B.G.03: Maximum Span Length 9.2
B.G.04: Minimum Span Length 23.0
B.G.05: Bridge Width Out-to-Out 76.5
B.G.06: Bridge Width Curb-to-Curb 70.5
B.G.07: Left Curb or Sidewalk Width 0.0
B.G.08: Right Curb or Sidewalk Width 0.0
B.G.09: Approach Roadway Width 70.5
B.G.10: Bridge Median ..... 0 - No median
B.G.11: Skew 0
B.G.12: Curved Bridge ..... N - Not curved
B.G.13: Maximum Bridge Height 16
B.G.14: Sidehill Bridge ..... N - Not a sidehill bridge
B.G.15: Irregular Deck Area .....
B.G.16: Calculated Deck Area 4896

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

4: FEATURES

4.1: Feature Identification

B.F.01: Feature Type H01

B.F.02: Feature Location ..... B - Below bridge

B.F.03: Feature Name ..... LAKE AVE NB

4.3: Highways

B.H.01: Functional Classification ..... 4 - Minor Arterial

B.H.02: Urban Code 99704

B.H.03: NHS Designation ..... N - Non-NHS

B.H.04: National Highway Freight Network ..... N - Not on the NHFN

B.H.05: STRAHNET Designation ..... N - Not a STRAHNET route

B.H.06: LRS Route ID MATBMR00648**C

B.H.07: LRS Mile Point 0.639

B.H.08: Lanes on Highway 1

B.H.09: Annual Average Daily Traffic 5272

B.H.10: Annual Average Daily Truck Traffic 174

B.H.11: Year of Annual Average Daily Traffic 2024

B.H.12: Highway Maximum Usable Vertical Clearance 13.7

B.H.13: Highway Minimum Vertical Clearance 13.6

B.H.14: Highway Minimum Horizontal Clearance, Left 0.0

B.H.15: Highway Minimum Horizontal Clearance, Right 0.0

B.H.16: Highway Maximum Usable Surface Width 21.7

B.H.17: Bypass Detour Length 3

B.H.18: Crossing Bridge Number .....

4.4: Railroads

B.RR.01: Railroad Service Type .....

B.RR.02: Railroad Minimum Vertical Clearance .....

B.RR.03: Railroad Minimum Horizontal Offset .....

4.5: Navigable Waterways

B.N.01: Navigable Waterway .....

B.N.02: Navigation Minimum Vertical Clearance .....

B.N.03: Movable Bridge Max Navigation Vert Clearance .....

B.N.04: Navigation Channel Width .....

B.N.05: Navigation Channel Min Horizontal Clearance .....

B.N.06: Substructure Navigation Protection .....

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

4.1: Feature Identification

B.F.01: Feature Type H02

B.F.02: Feature Location ..... B - Below bridge

B.F.03: Feature Name ..... LAKE AVE SB

4.3: Highways

B.H.01: Functional Classification ..... 4 - Minor Arterial

B.H.02: Urban Code 99704

B.H.03: NHS Designation ..... N - Non-NHS

B.H.04: National Highway Freight Network ..... N - Not on the NHFN

B.H.05: STRAHNET Designation ..... N - Not a STRAHNET route

B.H.06: LRS Route ID MATBMR00648**C

B.H.07: LRS Mile Point 0.639

B.H.08: Lanes on Highway 1

B.H.09: Annual Average Daily Traffic 5272

B.H.10: Annual Average Daily Truck Traffic 174

B.H.11: Year of Annual Average Daily Traffic 2024

B.H.12: Highway Maximum Usable Vertical Clearance 13.8

B.H.13: Highway Minimum Vertical Clearance 13.6

B.H.14: Highway Minimum Horizontal Clearance, Left 0.0

B.H.15: Highway Minimum Horizontal Clearance, Right 0.0

B.H.16: Highway Maximum Usable Surface Width 21.7

B.H.17: Bypass Detour Length 3

B.H.18: Crossing Bridge Number .....

4.4: Railroads

B.RR.01: Railroad Service Type .....

B.RR.02: Railroad Minimum Vertical Clearance .....

B.RR.03: Railroad Minimum Horizontal Offset .....

4.5: Navigable Waterways

B.N.01: Navigable Waterway .....

B.N.02: Navigation Minimum Vertical Clearance .....

B.N.03: Movable Bridge Max Navigation Vert Clearance .....

B.N.04: Navigation Channel Width .....

B.N.05: Navigation Channel Min Horizontal Clearance .....

B.N.06: Substructure Navigation Protection .....

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

4.1: Feature Identification

B.F.01: Feature Type R01

B.F.02: Feature Location ..... C - Carried on bridge

B.F.03: Feature Name ..... CSX

4.3: Highways

B.H.01: Functional Classification .....

B.H.02: Urban Code .....

B.H.03: NHS Designation .....

B.H.04: National Highway Freight Network .....

B.H.05: STRAHNET Designation .....

B.H.06: LRS Route ID .....

B.H.07: LRS Mile Point .....

B.H.08: Lanes on Highway .....

B.H.09: Annual Average Daily Traffic .....

B.H.10: Annual Average Daily Truck Traffic .....

B.H.11: Year of Annual Average Daily Traffic .....

B.H.12: Highway Maximum Usable Vertical Clearance .....

B.H.13: Highway Minimum Vertical Clearance .....

B.H.14: Highway Minimum Horizontal Clearance, Left .....

B.H.15: Highway Minimum Horizontal Clearance, Right .....

B.H.16: Highway Maximum Usable Surface Width .....

B.H.17: Bypass Detour Length .....

B.H.18: Crossing Bridge Number .....

4.4: Railroads

B.RR.01: Railroad Service Type ..... F - Freight

B.RR.02: Railroad Minimum Vertical Clearance .....

B.RR.03: Railroad Minimum Horizontal Offset .....

4.5: Navigable Waterways

B.N.01: Navigable Waterway .....

B.N.02: Navigation Minimum Vertical Clearance .....

B.N.03: Movable Bridge Max Navigation Vert Clearance .....

B.N.04: Navigation Channel Width .....

B.N.05: Navigation Channel Min Horizontal Clearance .....

B.N.06: Substructure Navigation Protection .....

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

4.1: Feature Identification

B.F.01: Feature Type P01

B.F.02: Feature Location ..... B - Below bridge

B.F.03: Feature Name ..... EAST AND WEST SIDEWALKS

4.3: Highways

B.H.01: Functional Classification .....

B.H.02: Urban Code .....

B.H.03: NHS Designation .....

B.H.04: National Highway Freight Network .....

B.H.05: STRAHNET Designation .....

B.H.06: LRS Route ID .....

B.H.07: LRS Mile Point .....

B.H.08: Lanes on Highway .....

B.H.09: Annual Average Daily Traffic .....

B.H.10: Annual Average Daily Truck Traffic .....

B.H.11: Year of Annual Average Daily Traffic .....

B.H.12: Highway Maximum Usable Vertical Clearance .....

B.H.13: Highway Minimum Vertical Clearance .....

B.H.14: Highway Minimum Horizontal Clearance, Left .....

B.H.15: Highway Minimum Horizontal Clearance, Right .....

B.H.16: Highway Maximum Usable Surface Width .....

B.H.17: Bypass Detour Length .....

B.H.18: Crossing Bridge Number .....

4.4: Railroads

B.RR.01: Railroad Service Type .....

B.RR.02: Railroad Minimum Vertical Clearance .....

B.RR.03: Railroad Minimum Horizontal Offset .....

4.5: Navigable Waterways

B.N.01: Navigable Waterway .....

B.N.02: Navigation Minimum Vertical Clearance .....

B.N.03: Movable Bridge Max Navigation Vert Clearance .....

B.N.04: Navigation Channel Width .....

B.N.05: Navigation Channel Min Horizontal Clearance .....

B.N.06: Substructure Navigation Protection .....

Inspector: Cartwright,Donald
Inspection Date: 12/08/2025
Structure Number: 0460053
Facility Carried:

4.2: Routes

Highway Feature ..... H01 - Highway 1
B.RT.01: Route Designation R01
B.RT.02: Route Number 00648
B.RT.03: Route Direction ..... NB - Northbound
B.RT.04: Route Type ..... 5 - City street
B.RT.05: Service Type ..... 1 - Mainline

Highway Feature ..... H02 - Highway 2
B.RT.01: Route Designation R01
B.RT.02: Route Number 00648
B.RT.03: Route Direction ..... SB - Southbound
B.RT.04: Route Type ..... 5 - City street
B.RT.05: Service Type ..... 1 - Mainline

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

5: LOADS, LOAD RATINGS, AND POSTING

5.1: Loads and Load Rating

B.LR.01: Design Load ..... RR - Railroad

B.LR.02: Design Method ..... X - Other

B.LR.03: Load Rating Date .....

B.LR.04: Load Rating Method ..... N - No rating analysis or evaluation has been performed

B.LR.05: Inventory Load Rating Factor 0.00

B.LR.06: Operating Load Rating Factor 0.00

B.LR.07: Controlling Legal Load Rating Factor .....

B.LR.08: Routine Permit Loads ..... N - Bridge does not carry routine permit loads. Routine permit loads are not approved for the route segment.

5.2: Load Posting Status

Inspector: Cartwright,Donald **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

5.3: Load Evaluation and Posting

	B.EP.01: Legal Load Configuration	B.EP.02: Legal Load Rating Factor	B.EP.03: Posting Type	B.EP.04: Posting Value
Legal Vehicles	(3) AASHTO Type 3			Tons
	(3S2) AASHTO Type 3S2			Tons
	(3-3) AASHTO Type 3-3			Tons
Specialized Hauling Vehicles (SHV)	(SU4) AASHTO SU4 Truck			Tons
	(SU5) AASHTO SU5 Truck			Tons
	(SU6) AASHTO SU6 Truck			Tons
	(SU7) AASHTO SU7 Truck			Tons
				Tons
Emergency Vehicles	(EV2) FHWA Type EV2 Emergency Vehicle			Tons
	(EV3) FHWA Type EV3 Emergency Vehicle			Tons

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

6: INSPECTIONS

6.1: Inspection Requirements

B.IR.01: NSTM Inspection Required ..... N - NSTM inspection not required
B.IR.02: Fatigue Details ..... N - No E/E' details
B.IR.03: Underwater Inspection Required ..... N - Underwater inspection not required
B.IR.04: Complex Feature ..... N - Bridge does not have complex feature

6.2: Inspection Events

Initial

B.IE.01: Inspection Type ..... (1) Initial
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Routine

B.IE.01: Inspection Type ..... (2) Routine
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval 12
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Underwater

B.IE.01: Inspection Type ..... (3) Underwater
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval 0
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Inspector: Cartwright,Donald **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

NSTM

B.IE.01: Inspection Type ..... (4) NSTM
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval 0
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Damage

B.IE.01: Inspection Type ..... (5) Damage
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

In-Depth

B.IE.01: Inspection Type ..... (6) In-Depth
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Inspector: Cartwright,Donald **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

Special

B.IE.01: Inspection Type ..... (7) Special
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Service

B.IE.01: Inspection Type ..... (8) Service
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Scour Monitoring

B.IE.01: Inspection Type ..... (9) Scour Monitoring
B.IE.02: Inspection Begin Date .....
B.IE.03: Inspection Completion Date .....
B.IE.04: Nationally Certified Bridge Inspector .....
B.IE.05: Inspection Interval .....
B.IE.06: Inspection Due Date .....
B.IE.07: Risk-Based Inspection Interval Method ..
B.IE.08: Inspection Quality Control Date .....
B.IE.09: Inspection Quality Assurance Date .....
B.IE.10: Inspection Data Update Date .....
B.IE.11: Inspection Note .....
B.IE.12: Inspection Equipment .....

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

7: BRIDGE CONDITION

7.1: Component Condition Ratings

B.C.01: Deck Condition Rating ..... 5 - FAIR - Some moderate defects; strength and performance of the component are not affected.

B.C.02: Superstructure Condition Rating ..... 4 - POOR - Widespread moderate or isolated major defects; strength and/or performance of the component is affected.

B.C.03: Substructure Condition Rating ..... 3 - SERIOUS - Major defects; strength and/or performance of the component is seriously affected. Condition typically necessitates more frequent monitoring, load restrictions, and/or corrective actions

B.C.04: Culvert Condition Rating ..... N - NOT APPLICABLE - Component does not exist.

B.C.05: Bridge Railing Condition Rating ..... N - NOT APPLICABLE - Component does not exist.

B.C.06: Bridge Railing Transitions Condition Rating .. N - NOT APPLICABLE - Component does not exist.

B.C.07: Bridge Bearings Condition Rating ..... 5 - FAIR - Some moderate defects; strength and performance of the component are not affected.

B.C.08: Bridge Joints Condition Rating ..... N - NOT APPLICABLE - Bridge does not have deck joints.

B.C.09: Channel Condition Rating ..... N - NOT APPLICABLE - Bridge does not cross over water.

B.C.10: Channel Protection Condition Rating ..... N - NOT APPLICABLE - Bridge does not cross over water or channel protection devices do not exist.

B.C.11: Scour Condition Rating ..... N - NOT APPLICABLE - Bridge does not cross over water.

B.C.12: Bridge Condition Classification ..... P

B.C.13: Lowest Condition Rating Code .....

B.C.14: NSTM Inspection Condition ..... N - NOT APPLICABLE - Component does not exist.

B.C.15: Underwater Inspection Condition ..... N - NOT APPLICABLE - Component does not exist.

7.4: Appraisal

B.AP.01: Approach Roadway Alignment ..... G - Good

B.AP.02: Overtopping Likelihood ..... 0 - Never

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

B.AP.04: Scour Plan of Action ..... 0 - A scour POA is not required.

B.AP.05: Seismic Vulnerability ..... N - Bridge does not require seismic evaluation due to low anticipated ground motion or agency prioritization.

7.5: Work Events

B.W.01: Year Built 1909

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

ATB-00648-0.639 _(0460053)

ODOT District:	District 04			Date Built:	07/01/1909
Major Maint:		Facility Carried:	Traffic On:	Rehab Date:	
Routine Maint:	27 - Railroad	Feature Inters:	Traffic Under:	Insp. Resp A:	27 - Railroad
FIPS Code:		Location:		Insp Resp B:	04 - City or Municipal Highway Agency

Inspector Cartwright,Donald Inspection Date 12/08/2025 Reviewer Cartwright,Donald

Inspector Comments - Deck and Approach

Deck, Wearing Surface, Joints, Railing

The reinforced concrete deck has random medium cracks with light to moderate efflorescence, minor to moderate delaminations, and spalls with exposed reinforcement. The deck underside between Girders 8 and 9 has medium transverse cracks with light to moderate efflorescence throughout. There is evidence of leakage through the deck in isolated locations.

Approach

Signals on Pier 2 were functioning at the time of inspection. Sun shields on housings are typically missing or torn.

The vertical clearance in the northbound direction (Span 3) is signed for 13'-10"; however, the actual minimum vertical clearance was measured at 13'-7" along the left lane line. Note that the south auxiliary fascia beam over this northbound lane has heavy impact damage; however, it does not appear to be recent. The vertical clearance in the southbound direction (Span 2) is signed for 13'-5".

Inspector Comments - General Appraisal

Superstructure, Bearings

Ten girders labeled from north to south with tightly spaced floorbeams.

The girders typically have widespread paint failure with minor to moderate laminate corrosion. Girder ends at interior piers have heavy laminate corrosion and section loss on the bottom flanges with up to 4" wide edge loss at isolated locations, typically worst in Spans 2 and 3 at the locations between the pier and the start of the first bottom flange cover plate. There are isolated missing rivets between pier bearing/fill plates and girder bottom flanges at interior piers.

The floorbeams typically have widespread paint failure with minor surface corrosion. Floorbeams over the piers exhibit heavy laminate corrosion and section loss with up to full width edge loss in the bottom flanges due to active water leakage through deck.

Bearing areas on piers exhibit paint failure with moderate to heavy laminate corrosion and isolated missing bolts.

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

The exterior fascia auxiliary girders are concrete encased. Concrete encasement exhibits widespread moderate cracks with moderate to heavy efflorescence and isolated minor spalls. South fascia auxiliary girder has heavy impact damage over northbound lane with approximately 4' long by 3' high by up to full depth impact spall that has fully exposed the bottom flange and lower portion of the web which is bent northward approximately 2" over 5' length and south bottom flange outstanding leg is torn full width over a 2' length.

Substructure

The concrete abutments have widespread insignificant to medium horizontal cracks with areas of heavy efflorescence buildup, shallow delaminations, and isolated patches. The abutment caps have isolated wide horizontal delamination cracks along the top edge. Concrete wingwalls have medium random cracks, light efflorescence and isolated light rust staining, delaminations and spalls.

The steel piers have widespread paint failure with laminate rust and advanced section loss. The steel columns have laminate rust and section loss near their bases, with areas of 100% section loss to the outstanding legs up to full width and isolated holed-through web plates up to full width. The pier bracing has widespread heavy laminate rust with holed-through sections noted in the angles and lacing bars. Pier top struts have heavy laminate corrosion and section loss with isolated holed-through sections. Pier bracing connection plates (original thickness 7/16") have advanced section loss and holed-through sections, worst near their bases and along the edges. Select steel substructure components (columns, bracing members, bracing connection plates) have been previously replaced with select replaced bracing connection plates having advanced section loss and holed-through sections.

The City Manager had previously indicated that the concrete foundations exhibited movement under the passage of trains and provided a video from May 2025 showing minor vertical movement (~1/2"). Three train passages occurred during the 2025 cursory inspection with no movement observed; however, the sidewalks are broken up around the column bases, which is indicative of prior foundation movement.

Culvert

Inspector Comments - Waterway

Inspector:	Cartwright,Donald	**Structure Number:**	0460053
Inspection Date:	12/08/2025	**Facility Carried:**	

Channel Protection

Channel

Scour

Inspector: Donald Cartwright **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

Bridge Inspection Report

Pictures

PHOTO 1

Description South bridge elevation, looking northwest.

PHOTO 1

Description South approach 13'-10" vertical clearance sign in Span 3, looking north. Note the measured minimum vertical clearance for the northbound roadway is 13'-7".

Pictures

PHOTO 1

Description Superstructure underside in Span 1, looking south.

PHOTO 1

Description Typical transverse cracks with efflorescence in the underside of the deck in Span 2 between Girders 8 and 9, looking east.

Inspector: Donald Cartwright **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

Bridge Inspection Report

Pictures

PHOTO 1

Description Rear Abutment elevation, looking southwest.

PHOTO 2

Description Forward Abutment elevation, looking southeast.

Inspector: Donald Cartwright **Structure Number:** 0460053

Inspection Date: 12/08/2025 **Facility Carried:**

Bridge Inspection Report

Pictures

PHOTO 2

Description Superstructure underside in Span 2, looking southeast.

PHOTO 2

Description North approach 13'-5" vertical clearance sign in Span 2, looking south.

Pictures

PHOTO 2

Description North bridge elevation, looking southwest.

PHOTO 3

Description Roadway under view in Span 3 (Lake Avenue), looking north.

Pictures

PHOTO 3

Description Pier 1 elevation, looking southwest.

PHOTO 3

Description Edge loss of Girder 2 bottom flange in Span 1 at Pier 1, looking east.

Pictures

PHOTO 4

Description Missing bearing fastener in Span 2 Girder 6 at Pier 2, looking east.

PHOTO 4

Description Pier 2 elevation, looking southeast.

Pictures

PHOTO 4

Description Roadway under view in Span 2 (Lake Avenue), looking south.

PHOTO 5

Description Pier 3 elevation, looking southeast.

Pictures

PHOTO 5

Description Edge loss of Girder 8 bottom flange in Span 2 at Pier 2, looking east.

PHOTO 6

Description Impact damage to south auxiliary beam over Span 3, looking northwest.

Pictures

PHOTO 6

Description Efflorescence buildup on Rear Abutment below Beams 2 and 3, looking west.

PHOTO 7

Description Wide horizontal delamination crack in Rear Abutment cap at Girder 1, looking west.

Pictures

PHOTO 7

Description Detail view of impact damage to south auxiliary beam over Span 3, looking northwest.

PHOTO 8

Description Up to 100% section loss to channel legs and web plate at base of Column 1 in Pier 1, looking south.

Pictures

PHOTO 9

Description Detail view of up to 100% section loss to channel legs and web plate at base of Column 1 in Pier 1, looking south.

PHOTO 10

Description Holed-through sections on bracing connection plate at base of Column 2 in Pier 1, looking west.

Pictures

PHOTO 11

Description Sidewalks broken up around column bases of Columns 8 and 9 at Pier 1, looking east.

PHOTO 12

Description Detail view of sidewalks broken up around column bases of Columns 8 and 9 at Pier 1, looking east.

Pictures

PHOTO 13

Description Diagonal brace with 100% section loss to angle legs and batten plate at Column 6 in Pier 1, looking east.

PHOTO 14

Description Holed-through sections in bracing connection plate at base of Columns 6 and 7 in Pier 2, looking east.

Pictures

PHOTO 15

Description Holed-through section in top strut between Columns 5 and 6 in Pier 3, looking east.

PHOTO 16

Description Holed-through section in diagonal brace at Column 5 in Pier 3, looking west.

Pictures

PHOTO 17

Description Holed through section at base of Column 9 in Pier 3, looking northwest.

PHOTO 18

Description Detail view of holed through section at base of Column 9 in Pier 3, looking north.