



SN:001-6013	District:6	Spans:6	Appr. Spans:2	Skew:0	ADT:600	Truck Pct:1
ADT Un:N/A	Maint. Co:Adams	Twsp:Quincy Park District		Status:Open, no restrictions		
Facility Carried:Quinsippi Island Road			Feature Crossed:Quincy Bay			
Location:SE SEC34 T15 R9W		Municipality:Quincy		Team/Sub Section:		Insp/Rte:
Bridge Name:Quinsippi Island Bridge			Material & Type:Steel/Girder & Floorbeam System			
Insp. Intervals Routine:24		Fracture Critical:24		Underwater:60		Special:N
90 - Inspection Date: 8/31/2021		90C - Temp (°F): 87			90B1 - In Depth: <input checked="" type="checkbox"/>	
Is Delinquent: <input type="checkbox"/> Reason:						
90A - Agency Program Manager: J. Frankenhoff						
90A1 - Team Leader: R. Phelps			90A2 - Inspector: R. Phelps & A. Schafer			

**90B - Previous Inspection Remarks**

**Resources**

Time to Inspect (H:M): 08:00	Traffic Control: N	Boat: Y	Waders: N	Snooper: N
Ladder: Y	Manlift: _	Bucket Truck: N	Other: _	

**Inspector's Appraisals**

	Prev	New	Comments					
58 - Deck Condition:	<u>5</u>	5	Many areas of cracking in concrete deck and holes through center asphalt area					
59 - Superstructure Condition:	<u>5</u>	5	Moderate pack rusting at diaphragm connections. Holes in web in span 4. Rivet heads very deteriorated.					
60 - Substructure Condition:	<u>5</u>	5	Mortar loss, spalling, and stone delamination typical at pier.					
62 - Culvert Condition:	<u>N</u>	N						
61 - Channel Condition:	<u>5</u>	5	Sediment build-up at west end, debris at east end downstream					
71 - Waterway Adequacy:	<u>7</u>	7						
72 - Approach Rdwy Align:	<u>6</u>	6						
111 - Pier Navig Protection:	<u>N</u>	N						
36A - Bridge Railing Adequacy:	<u>2</u>	2						
Approach Guardrail Adequacy:	Prev	New	Prev	New	Prev	New		
36B - Transitions:	<u>1</u>	1	36C - Guardrail:	<u>1</u>	1	36D - Ends:	<u>1</u>	1

**Additional Inventory Data - To Be Verified During Routine Inspection**

108A - Wearing Surface Type: A	108B - Type of Membrane: F	108C - Deck Protection: G
108D - Total Deck Thickness (In.): 18.0		
59A - Paint Date (Mo/Yr):	59B - Paint Type:	
59C - Utilities Attached: 3 9		
113A - Scour Critical Analysis Date: 5/16	113 - Scour Critical Rating: 7	113B - Evaluation Method: B



Weight Limit Posting:	70A2 - Single Unit Vehicles:	
	70B2 - Combination Type 3S-1 (3 or 4 axles):	
	70C2 - Combination Type 3S-2 (5 or more axles):	
	70D2 - One Truck at a Time:	

**90B - Inspection Remarks**

2021: The deck is in fair condition with existing & new holes through the concrete and asphalt areas. The steel girders are in fair condition, and similarly from previous inspections, spans 3 and 4 are in the worst condition due to the poor detailing of the upside-down channel bottom flange. The rivets heads in spans 3 and 4 show advanced deterioration since the 2019 inspection, but all rivets are still intact (minus the few missing since original inspection). Standing water at the bottom flange in spans 3 and 4 is still present. There is moderate pack rusting and deterioration at diaphragm connections, particularly at the bottom connections. The substructure units are in fair condition and no notable changes from 2019 inspection. Mortar loss, spalling, and stone delaminations at locations noted in the photo logs.

	Signature	Date
Inspection Team Leader:		9-8-2021
Agency Program Manager:		

Use Additional Forms as Needed



SN: 001-6013	District: 6	Spans: 6	Appr. Spans: 2	Skew: 0	ADT: 600	Truck Pct: 1
ADT Un: N/A	Maint. Co: Adams	Twsp: Quincy Park District		Status: Open, no restrictions		
Facility Carried: Quinsippi Island Road			Feature Crossed: Quincy Bay			
Location: SE SEC34 T15 R9W		Municipality: Quincy		Team/Sub Section: /		Insp/Rte:
Bridge Name: Quinsippi Island Bridge			Material & Type: Steel/Girder & Floorbeam System			
Insp. Intervals Routine: 24		Fracture Critical: 24		Underwater: 60		Special: N
93A- Inspection Date: 08 / 31 / 2021		93A4- Temp. (°F): 87				
Is Delinquent:	<input type="checkbox"/>	Reason:				
90A - Agency Program Manager: J. Frankenhoff			90A3 - Consultant Program Manager: R. Phelps			
93A3 - Team Leader: R. Phelps			93A5 - Inspector: R. Phelps & A. Schafer			

Resources

Time to Inspect (H:M):	8:00	8:00	Traffic Control:	N	N	Boat:	Y	Y	Waders:	N	N	Snooper:	N	N
Ladder:	Y	Y	Manlift:	N	N	Bucket Truck:	N	N	Other:					

Inspector's Appraisals

92A1-Type: A3 If "X4-Other" Description: Span 1 - 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: Span 1 has no visible changes from previous inspection. There is minor surface rusting on tension flanges and rivets of both girders. There are no cracks in the plate girders, and there is no measurable section loss, but pack rusting still exists at the connected areas.

92A1-Type: A3 If "X4-Other" Description: Span 2 - 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: Span 2 has no visible changes from previous inspection. There is minor surface rusting on tension flanges and rivets of both girders. There are no cracks in the plate girders, and there is no measurable section loss, but pack rusting still exists at the connected areas.

92A1-Type: A3 If "X4-Other" Description: Span 3 - 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: The rivets are in poor condition. There is additional deterioration to the visible rivet heads since 2019. No cracks, tears, or significant section loss. Approximately 10 rivets are missing from each girder in this span.

92A1-Type: A3 If "X4-Other" Description: Span 4 - 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: The rivets are in poor condition. There is additional deterioration to the rivet heads since 2019. No cracks, tears, or significant section loss of tension flange members. The minor holes in the web near the bottom flange have not increased since the last inspection. South girder holes: 8" long by 2". 8" long by 1.5" (2 locations), 6" long by 1.5"  
 North girder holes: 5" long by 1" and 14" long by 1.5".

92A1-Type: A3 If "X4-Other" Description: Span 5 – 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  5 New  5 FC Method: Prev.  V  New: MP  DP  UT  V   
 93A2-Remarks: Span 5 has no visible changes from previous inspection. There is minor surface rusting on tension flanges and rivets of both girders. There are no cracks in the plate girders, and there is no measurable section loss, but pack rusting still exists at the connected areas.

92A1-Type: A3 If "X4-Other" Description: Span 6 – 2 Girder, Built-Up Plate Girder  
 93A1-Rating: Prev.  5 New  5 FC Method: Prev.  V  New: MP  DP  UT  V   
 93A2-Remarks: Span 6 has no visible changes from previous inspection. There is minor surface rusting on tension flanges and rivets of both girders. There are no cracks in the plate girders, and there is no measurable section loss, but pack rusting still exists at the connected areas.

92A1-Type: \_\_\_\_\_ If "X4-Other" Description: \_\_\_\_\_  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: \_\_\_\_\_

92A1-Type: \_\_\_\_\_ If "X4-Other" Description: \_\_\_\_\_  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: \_\_\_\_\_

92A1-Type: \_\_\_\_\_ If "X4-Other" Description: \_\_\_\_\_  
 93A1-Rating: Prev.  New  FC Method: Prev.  New: MP  DP  UT  V   
 93A2-Remarks: \_\_\_\_\_

	Signature	Date
Inspection Team Leader:		9/8/2021
Consultant Program Manager:		/ /
Agency Program Manager:		/ /

**Two Girder**

- A1- Suspension Link & Pin
- A2- Suspension Single Pin
- A3- Tension Flanges Riveted/ Bolted Plate Girders
- A4- Bearing Seat of Suspended Spans
- A5- Tension Flange of Rolled Beam
- A6- Tension Flange of Welded Plate Girders
- A7- Tension Flanges of Lattice Truss Web Girders

**Truss System**

- B1- Eyebars & Pin Tension Members
- B2- Simple Span Welded Truss Tension Members
- B3- Hanger Link & Pin of Suspended Trusses
- B4- Single Element Tension Members
- B5- Simple Span Riveted/Bolted Tension Members
- B6- Continuous Truss System- Welded, Riveted or Bolted Tension Members

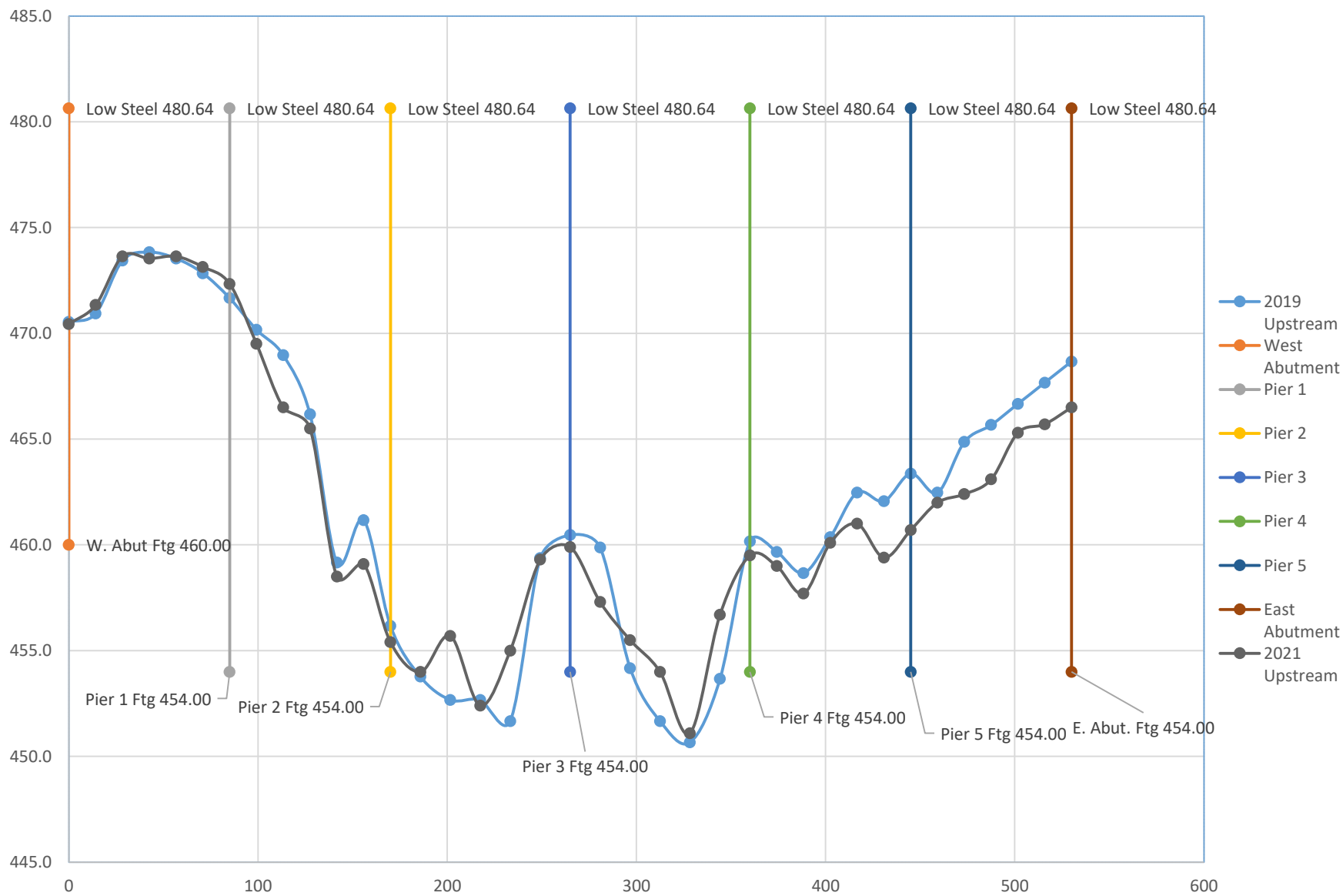
**Cable Stayed & Suspension**

- C1- Suspension Bridge- Cables
- C2- Cable Stayed- Cables
- Tied Arches**
- D1- Welded Box Ties
- D2- Riveted/Bolted Box Ties
- D3- Stiffened Girders
- Framed Steel Substructure**
- E1- Welded or Rolled Pier Cap
- E2- Riveted or Bolted Pier Cap
- E3- Welded or Rolled Pier Column
- E4- Riveted or Bolted Pier Column

**Box Beams**

- F1- Single Welded Box
- F2- Single Riveted/Bolted Box
- F3- Double Box Beam- Welded, Riveted or Bolted
- Other Types**
- X1- Bascule
- X2- Floorbeams supporting other steel members or spacing > 15 ft.
- X3- Cross Frames or Transfer Beams
- X4- Other

# UPSTREAM BRIDGE OPENING SN 001-6013



### DOWNSTREAM BRIDGE OPENING SN 001-6013

