



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: 8/31/2023		90C - Temp (°F): 78		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:	5	5	Many areas of cracking in concrete deck and holes through center asphalt area
59 - Superstructure Condition:	5	5	Moderate pack rusting at diaphragm connections. Holes in web in spans 3 & 4. Rivet heads deteriorated.
60 - Substructure Condition:	5	5	Mortar loss, spalling, and stone delamination typical at piers and abutment caps
62 - Culvert Condition:	N	N	
61 - Channel Condition:	5	5	Sediment build-up and heavy vegetation at west end
71 - Waterway Adequacy:	7	7	
72 - Approach Rdwy Align:	6	6	
111 - Pier Navig Protection:	N	N	
36A - Bridge Railing Adequacy:	2	2	
Approach Guardrail Adequacy: 36B - Transitions:	1	1	36C - Guardrail: 1 1
36D - Ends:	1	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):	
59C - Utilities Attached: 3 9	59B - Paint Type:	
113A - Scour Critical Analysis Date: 5/16	113 - Scour Critical Rating: 7	113B - Evaluation Method: B



<u>Weight Limit Posting:</u>	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

2023: The deck is in fair condition with areas that have had concrete placed to repair holes, but there are still many areas of spalling and holes through the concrete and asphalted areas. The steel girders are in fair condition with Spans 3 and 4 showing the most deterioration. The rivet heads in Spans 3 and 4 are in poor condition as noted in previous inspections due to the poor detailing of the upside down steel channel catching water. Pack rusting at the diaphragm connections and deterioration at the web connection to the bottom flange has worsened very slightly, no additional measurable loss from previous inspection. The abutment and pier caps have areas of delamination and spalling, no change from previous inspection.

	Signature	Date
Inspection Team Leader:		9-5-2023
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	Element Level: N	
93A- Inspection Date: 08 / 31 / 2023			93A4- Temp. (°F): 78			
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. No cracks, tears, or significant section loss of tension flange. Small holes in web at connection to bottom angles at the south girder. South girder holes: 1" diameter hole in Bay 2, 6" long by 1" hole in Bay 4. No holes in north girder. Web connection at bottom angles showing rusting and pitting along both girders, most noticeable in Bay 2.

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. No cracks, tears, or significant section loss of tension flange. The minor holes in the web near the bottom flange have not increased since 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". Web connection at bottom angles showing pack rusting and pitting along both girders, continues to worsen.


92A1-Type: A3 If "X4-Other" Description: Span 5 – 2 Girder, Built-Up Plate Girder
 93A1-Rating: Prev. New FC Method: Prev. 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. New FC Method: Prev. 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 / 5 / 2023
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

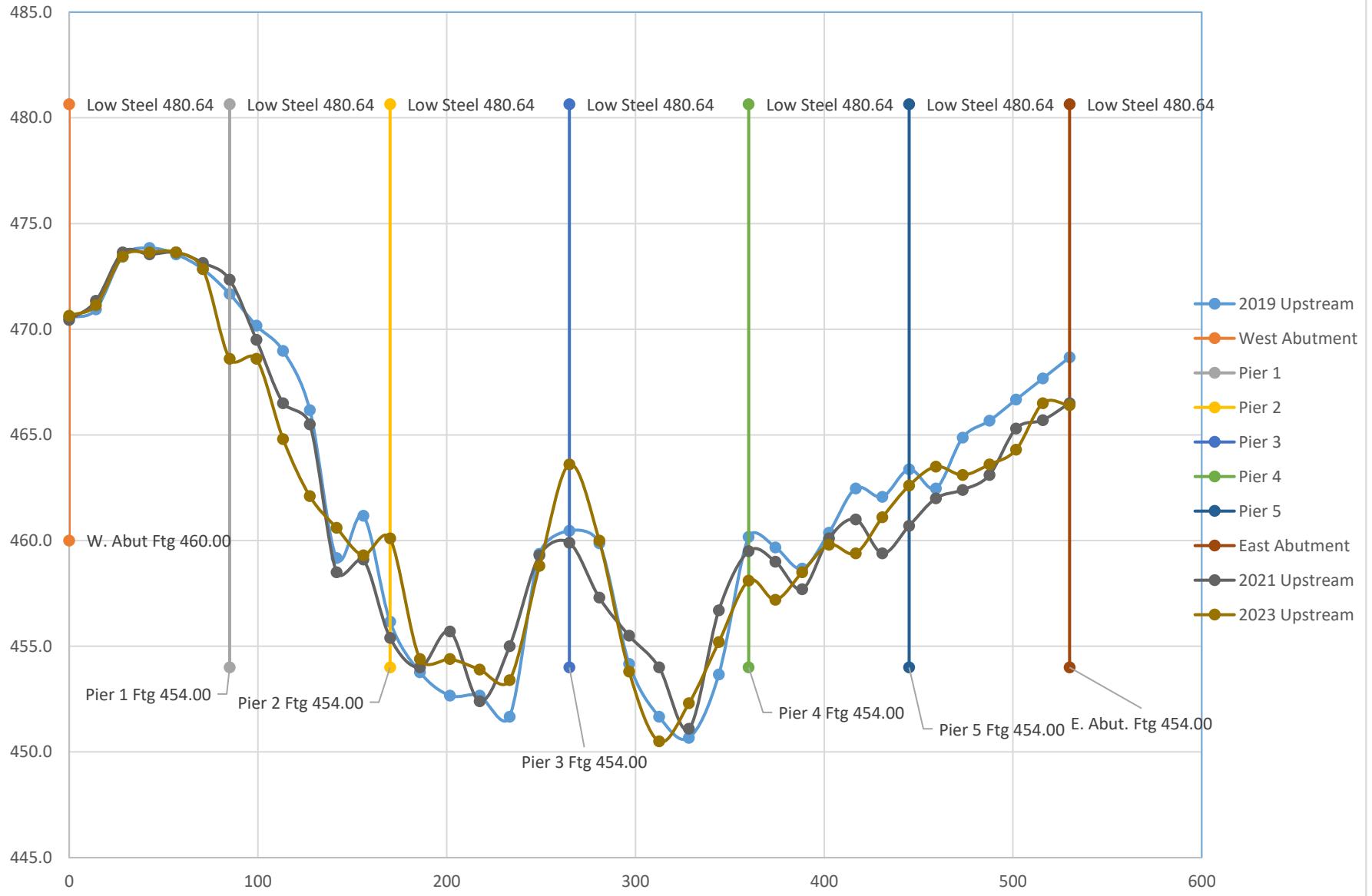
Cable Stayed & Suspension

- 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

