Schell Bridge over Connecticut River, Br. No. N-22-002

TOWN OF NORTHFIELD

PUBLIC INFORMATIONAL MEETING:

Bridge Type Selection Results

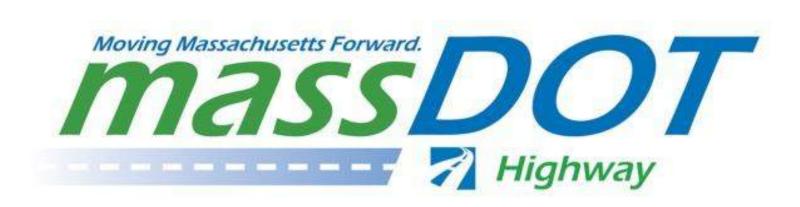






Summary of our March 2018 Meeting

- Showed how the Public feedback was used to establish the final 3 Alternatives to be evaluated
- Showed renderings of the final 3 alternatives
- The public provided us verbal and written comments on the final 3 alternatives
- Next Step: Develop Bridge Type Selection Report and submit to MassDOT with a recommended alternative





ALTERNATIVE 1:

PREFABRICATED STEEL TRUSS







ALTERNATIVE 2:

PREFABRICATED STEEL ARCH/TUNABLE SYSTEM







ALTERNATIVE 3:

STEEL TIED ARCH







Summary of Public Comments

March 2018 Meeting Comments Summary - (BTSW Concepts)						
Concept No.	Bridge Type	Positive	Neutral	Negative	Net	Total
#1	Prefabricated Steel Truss	13	2	4	9	19
#2	Prefabricated Steel "Tunable" System	4	7	6	-2	11
#3	Steel Tied Arch	45	0	2	43	47
Total Comments						77





Summary of Comments

- Strong public preference for Alternative 3:

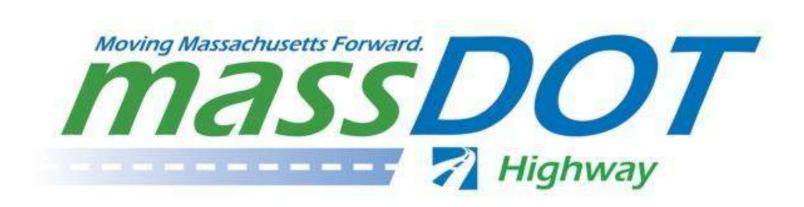
"I strongly prefer Alt. 3, mostly because it seems quite open uniting the river, sky and landscape."

"This is my favorite as it mimics more strongly the Schell as it is. I also like the 'open to the sky' interior..."

"This is a great design. Don't change a thing. Let's build it."

"Nicest perspective from the deck of the bridge – very open!!"

"Open feel is comfortable and dramatic."







BOARD OF SELECTMEN TOWN OF NORTHFIELD

69 MAIN STREET
NORTHFIELD, MASSACHUSETTS 01360-1017

P: (413) 498-2901 F: (413) 498-5103

James M. Dalton, P.E. Bridge Project Management 10 Park Plaza, 6th Floor Boston, MA 02116

May 29, 2018

Dear Mr. Dalton:

The Select Board of the Town of Northfield would like to thank MA DOT for its continuing good work on the replacement for the Schell Bridge with a pedestrian and bicycle structure. We have been very appreciative of the effort MA DOT has made to visit our community and solicit comment from citizens on design questions in cooperation with our Town Schell Bridge Advisory Committee.

With the support of the Town Advisory Committee and their citizen partner, Friends of Schell Bridge, Northfield citizens were once again invited to share their comments on line via the Town website through the end of April on the three design options presented by MA DOT at the March 22, 2018 meeting. In all, the Town received an additional 45 comments beyond those comments that were left with MA DOT staff by participants attending the March 22 meeting. Of the online comments, 32 preferred design # 3, Steel Tied Arch; 8 preferred design #1, Prefabricated Steel Truss; and 3 preferred design #2 Prefabricated Steel Arch/Tunable System.

The Select Board endorses the choice of the citizens and encourages MA DOT to select design #3, Steel Tied Arch, for the continuing design and engineering process.

We look forward to our next meeting with MA DOT staff and their consultants. We believe this project will be a tremendous asset to our town, the region and the state.

Sincerely,

acy reagons, emai

Julia Blyth

Alexander Meisner

Cc:

Peter J. Cavicchi, P.E. Interim Highway Director, MA DOT District 2 811 North King Street

811 North King Street Northampton, MA 01060 Paul Jahnige Director, DCR Greenways and Trails Program 136 Damon Road Northampton, MA 01060





Since our Last Meeting

- Reviewed and summarized the comments from the community
- Completed the Bridge Type Selection report
- Recommended proposed bridge alternative to
 MassDOT

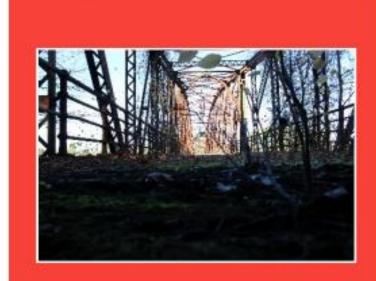
March 19, 2019

BRIDGE TYPE SELECTION

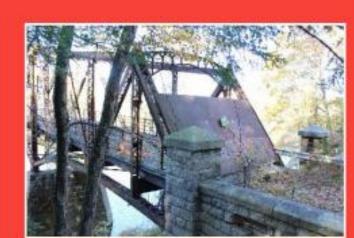
Town of Northfield

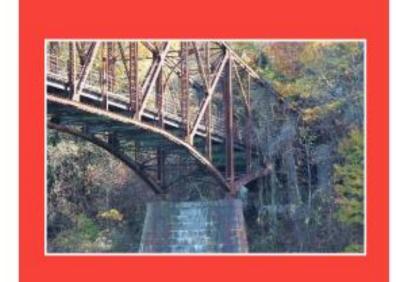
East Northfield Road

over the Connecticut River











Submitted to:

Bridge No. N-22-002 (OMU)



Submitted by:



WSP USA, Inc.
100 North Parkway, Suite 110
Worcester, MA 01605
Tel: 508.248.1970
Web Site: www.wsp.com





Summary of Findings

Alternative 3, "Steel Tied Arch Main Span and Steel Girder End Spans", is recommended for the proposed construction.

Advantages:

- -Strong Public Support
- -Custom design provides greatest flexibility
- -Smaller cranes for installation/erection
- -Competitive Cost





SELECTED ALTERNATIVE

ALTERNATIVE 3: STEEL TIED ARCH

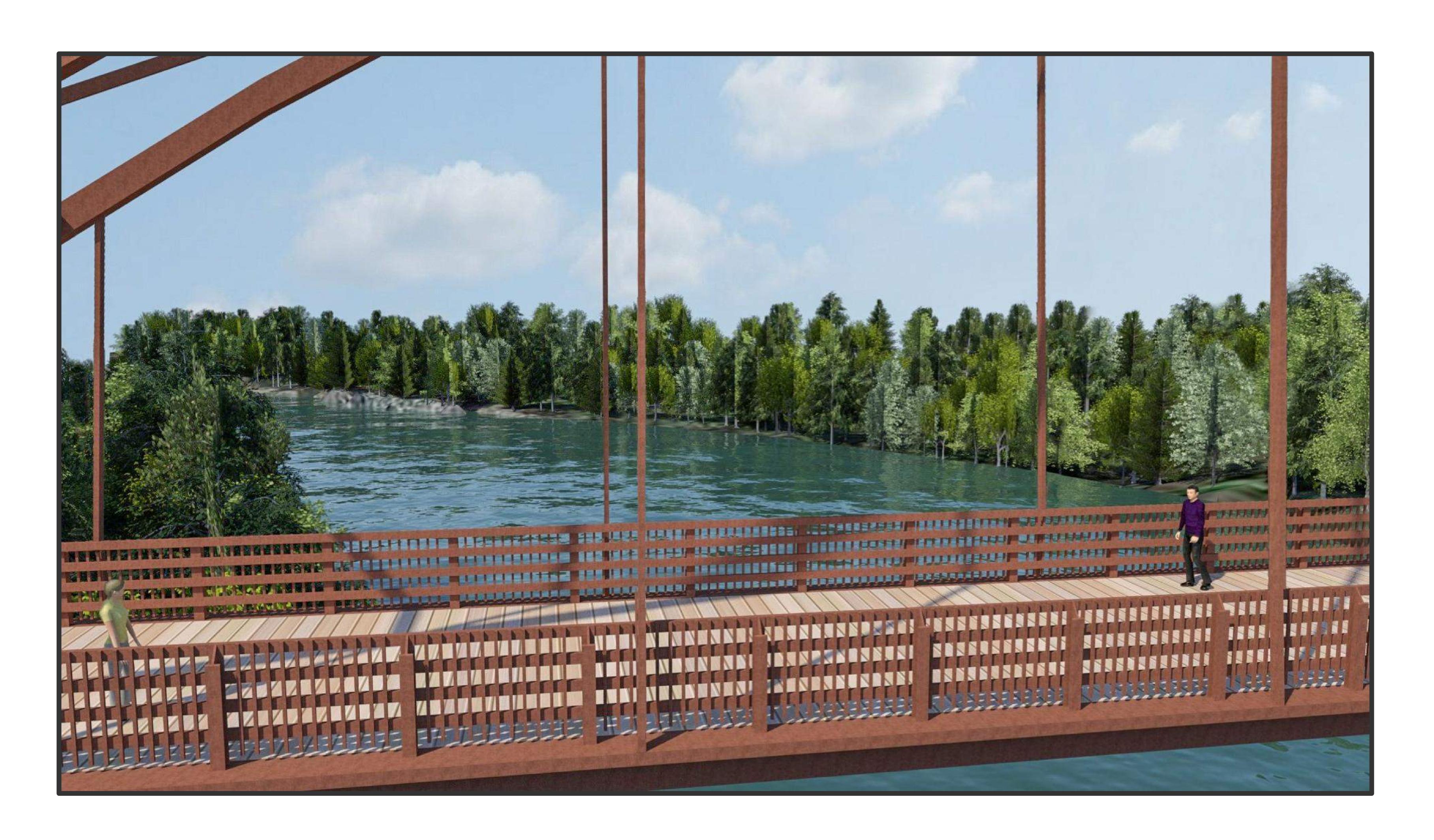






SELECTED ALTERNATIVE

ALTERNATIVE 3: STEEL TIED ARCH







SELECTED ALTERNATIVE

ALTERNATIVE 3: STEEL TIED ARCH







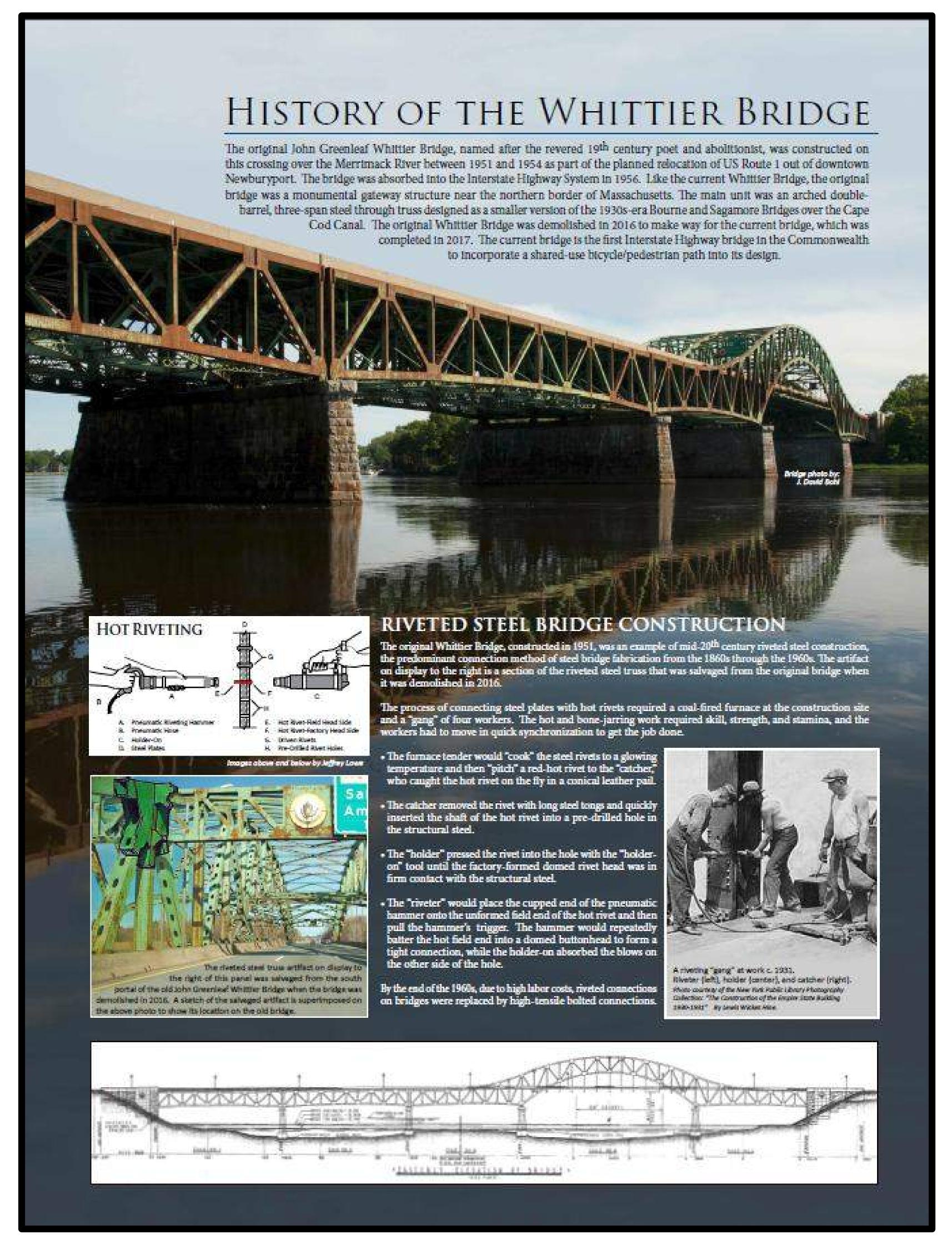
Heritage Park – Berkley, MA (Berkley-Dighton Bridge)







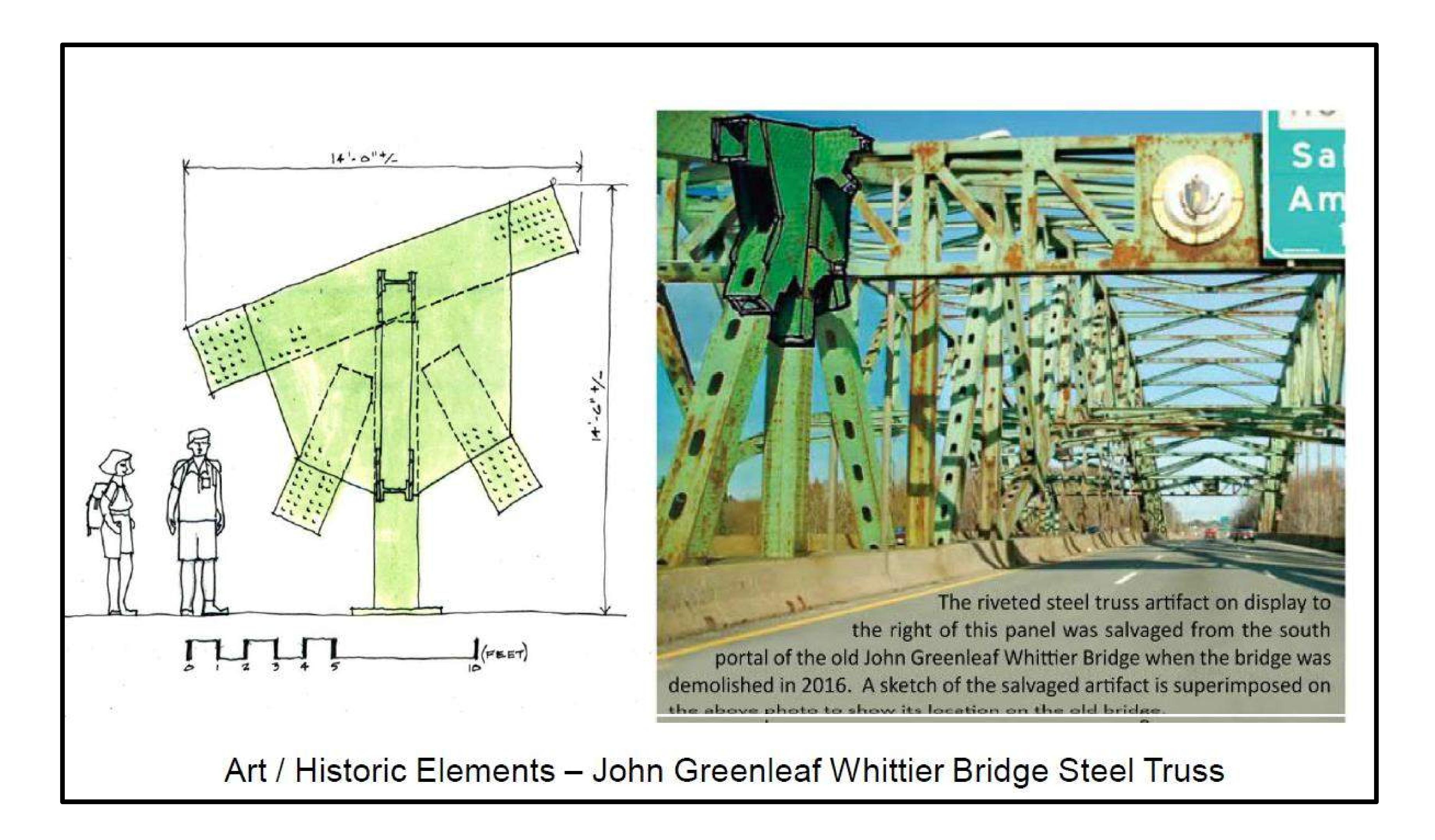
Amesbury, MA (Whittier Bridge)







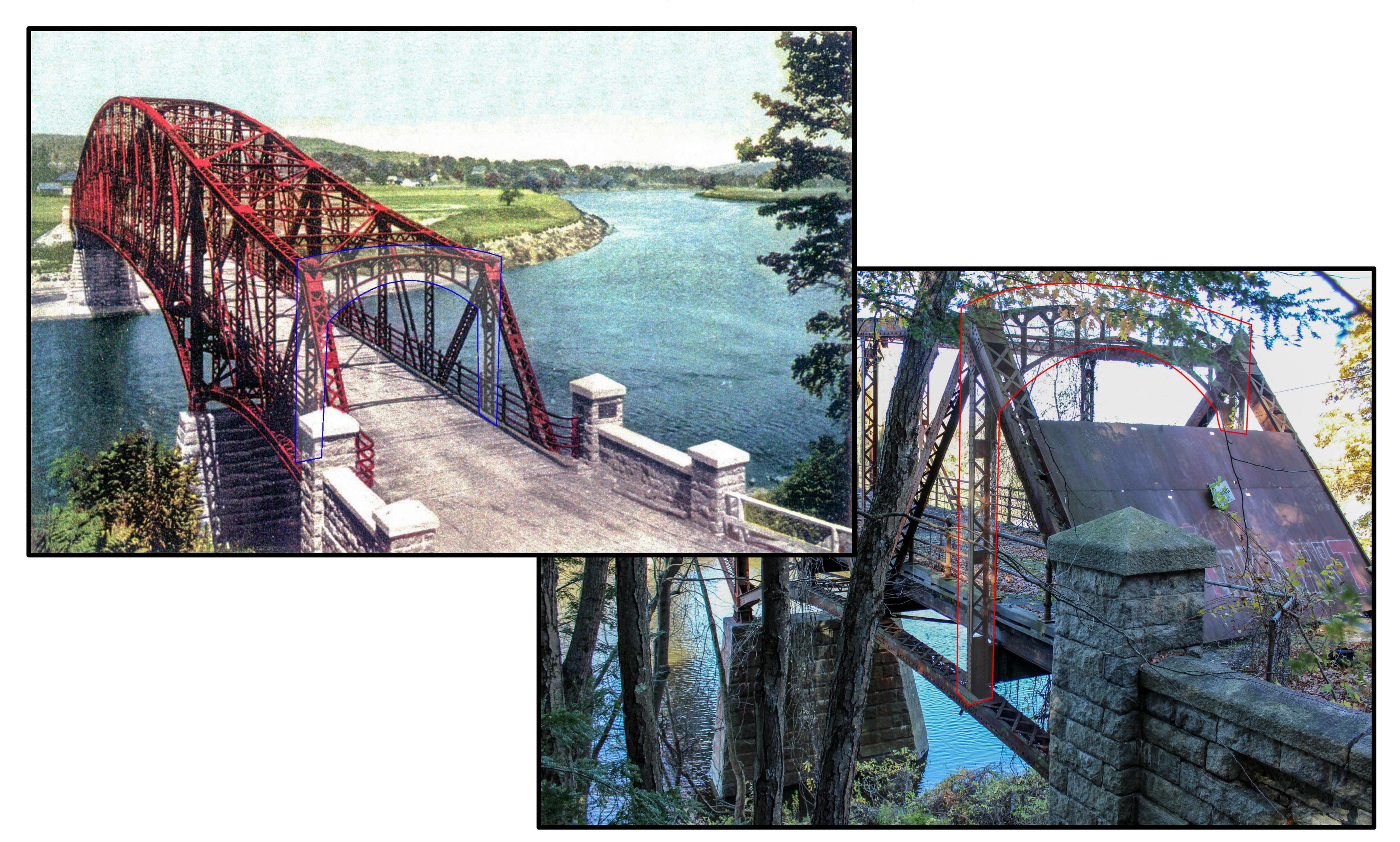
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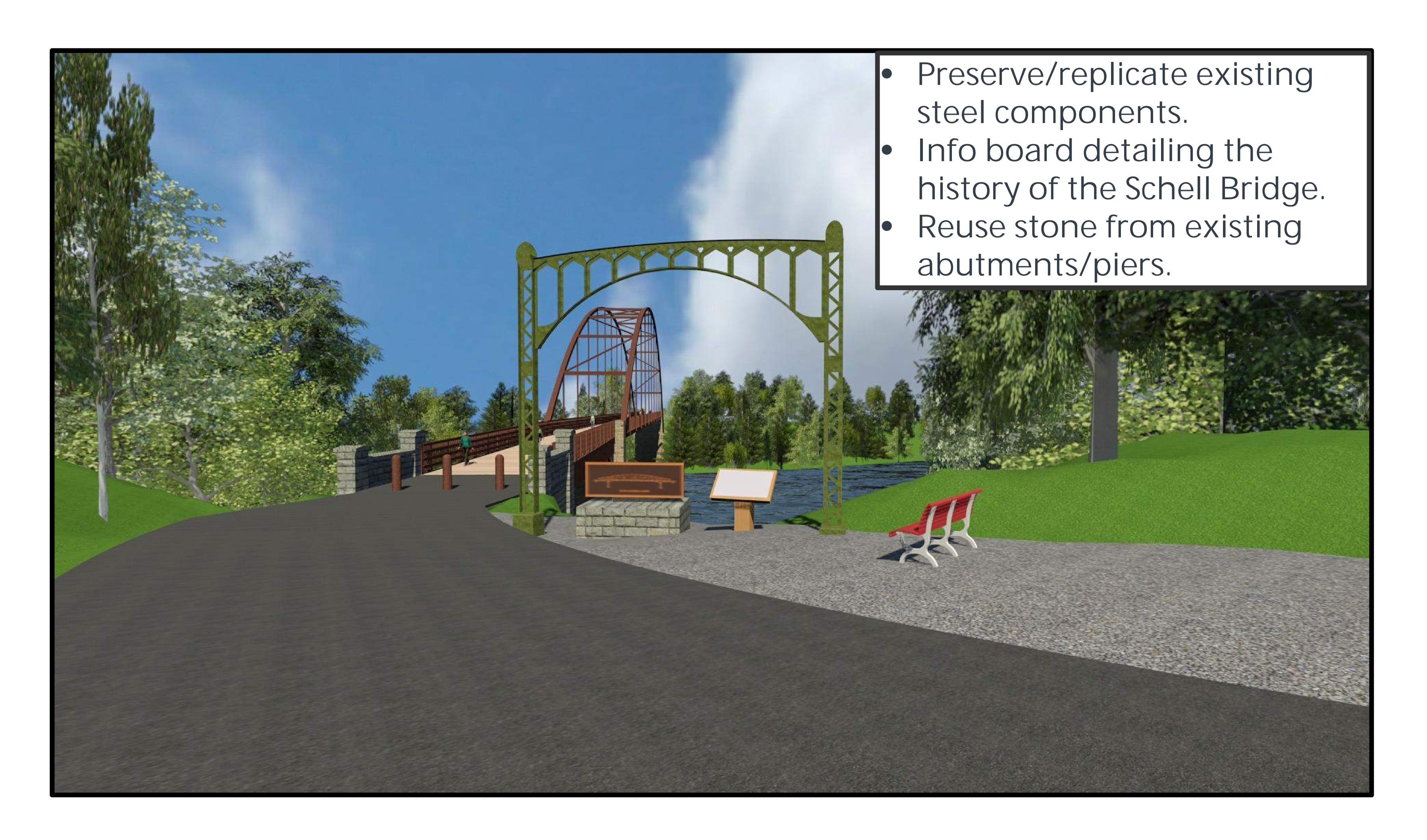
Remembering the Schell Bridge







Remembering the Schell Bridge







- -Perform Geotechnical Investigation.
- -Complete the 25% Design / Bridge Sketch Plans.
- -Hold the 25% Design Public Hearing.

SCHEDULE:

- -Complete 25% Design 6-9 months (Late 2019/Early 2020)
- -Anticipated to be Advertised End of 2021





Please see Town of Northfield Website for link to email comments:

https://www.northfieldma.gov/

