WELCOME!

- Welcome to the Davis Avenue Pedestrian Bridge Preliminary Engineering Public Meeting
- Presentation: 7:00-8:00pm
- Q&A/Feedback: 8:00-8:30pm
- Please mute (Unmute) your microphone during the presentation.

DAVIS AVENUE PEDESTRIAN BRIDGE

Final Design Public Meeting

September 2022

INTRODUCTIONS

Department of Mobility and Infrastructure

Zachary Workman, P.E.- Project Manager

HNTB Corporation

Ryan Whittington, P.E.- Design Team Project Manager

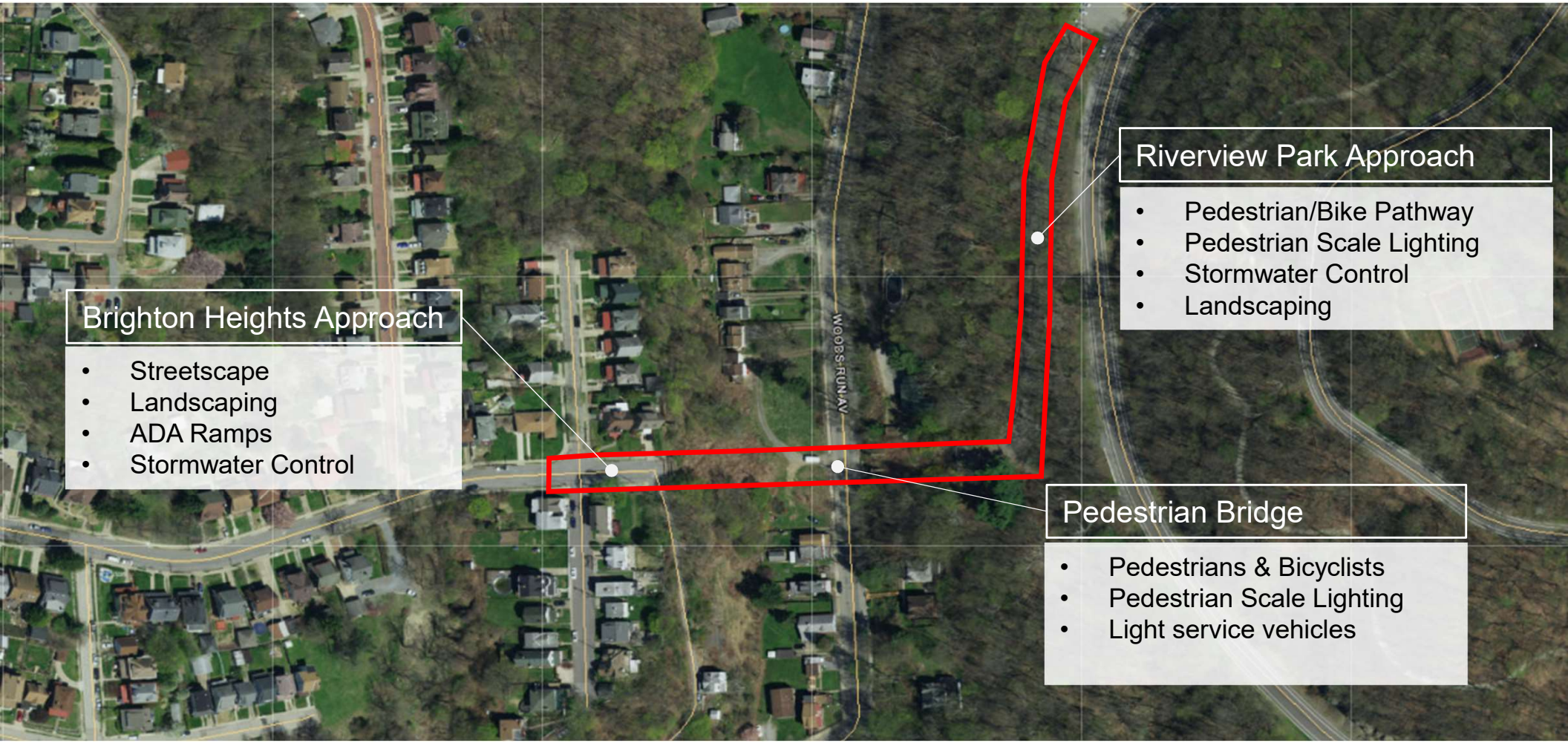
UpStudio Landscapes LLC

Lisa Dugan, PLA, ASLA, LEED AP- Landscape Architect

AGENDA

- Introductions
- Project Overview
- Project Purpose and Need
- Design Process and Anticipated Timeline
- Existing Conditions
- Design Features
  - Approaches
  - Bridge
- Next Steps
- Questions and Feedback

PROJECT OVERVIEW



PURPOSE AND NEED

Purpose -Overarching statement of what the project is intended to accomplish

To reconnect pedestrians and bicyclists with Riverview Park

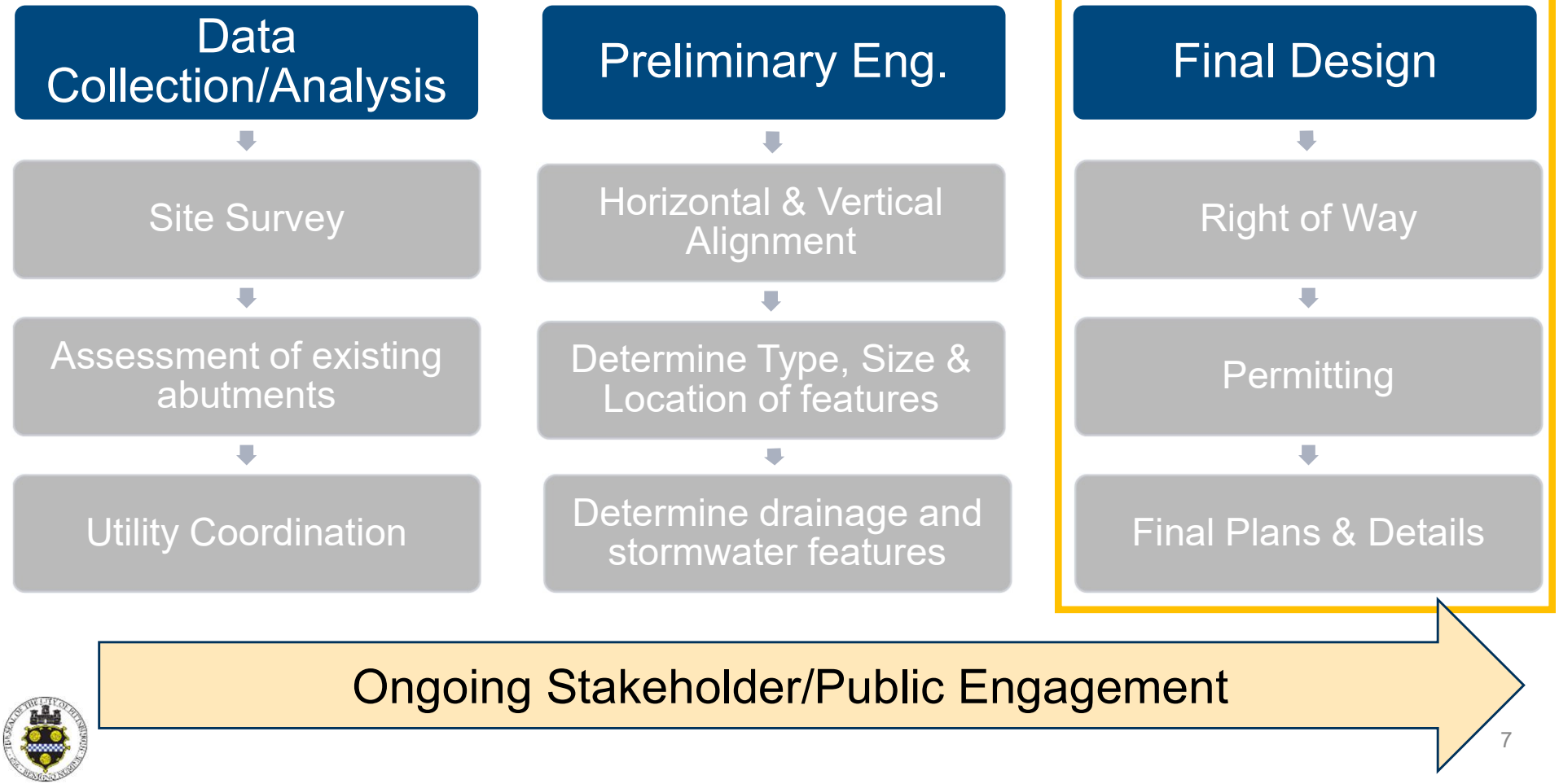
Needs- Identifies specific problems or deficiencies

The existing Davis Avenue Bridge, which served as the most direct connection to Riverview Park, was demolished in 2009. With the demolition of the Davis Avenue bridge, the nearest connections to the park are over 1 mile away.

Goals – Secondary Objectives

- Foster a sense of transition to Riverview Park
- Incorporate community driven art
- Improve accessibility
- Additional community driven considerations

DESIGN PROCESS



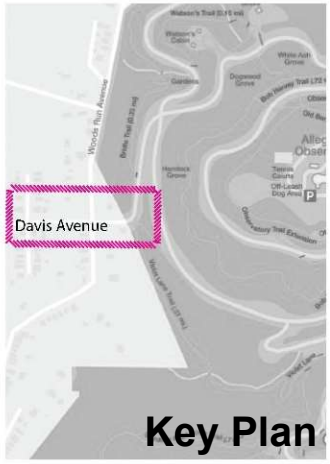
PROJECT TIMELINE

Activity	Anticipated Timing
Preliminary Engineering • Public Meeting- December 13, 2021	Summer 2021- Spring 2022
Final Design • Public Meeting- September 29th, 2022	Spring 2022- Fall 2022
Construction	Starting Spring 2023

EXISTING CONDITIONS

EXISTING CONDITIONS- APPROACHES

Davis Avenue Connection



EXISTING CONDITIONS- APPROACHES

Riverview Drive Connection

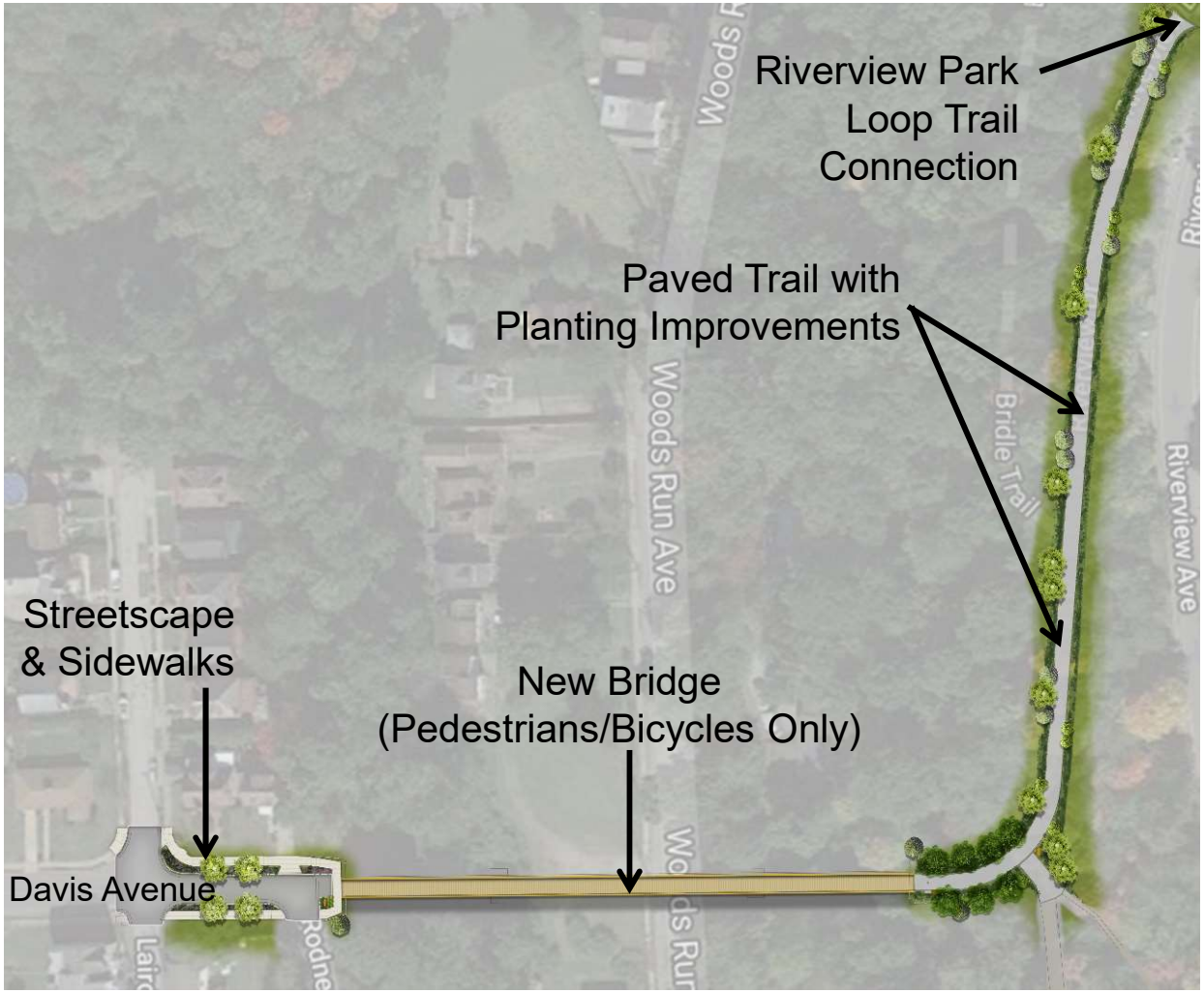
EXISTING CONDITIONS- APPROACHES

Park Gateway, Signage & Wayfinding Elements

DESIGN FEATURES- APPROACHES

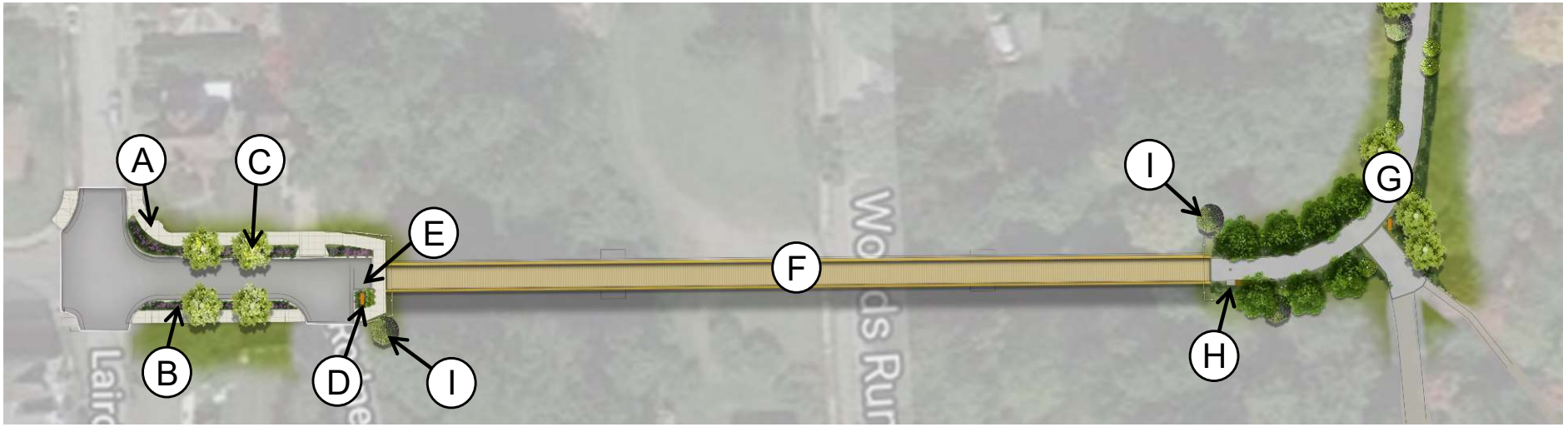
DESIGN FEATURES- APPROACHES

Overall Plan



DESIGN FEATURES- APPROACHES

Davis Avenue Connection

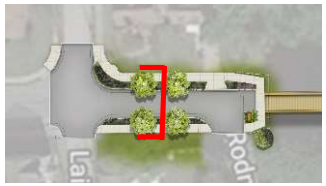


LEGEND:

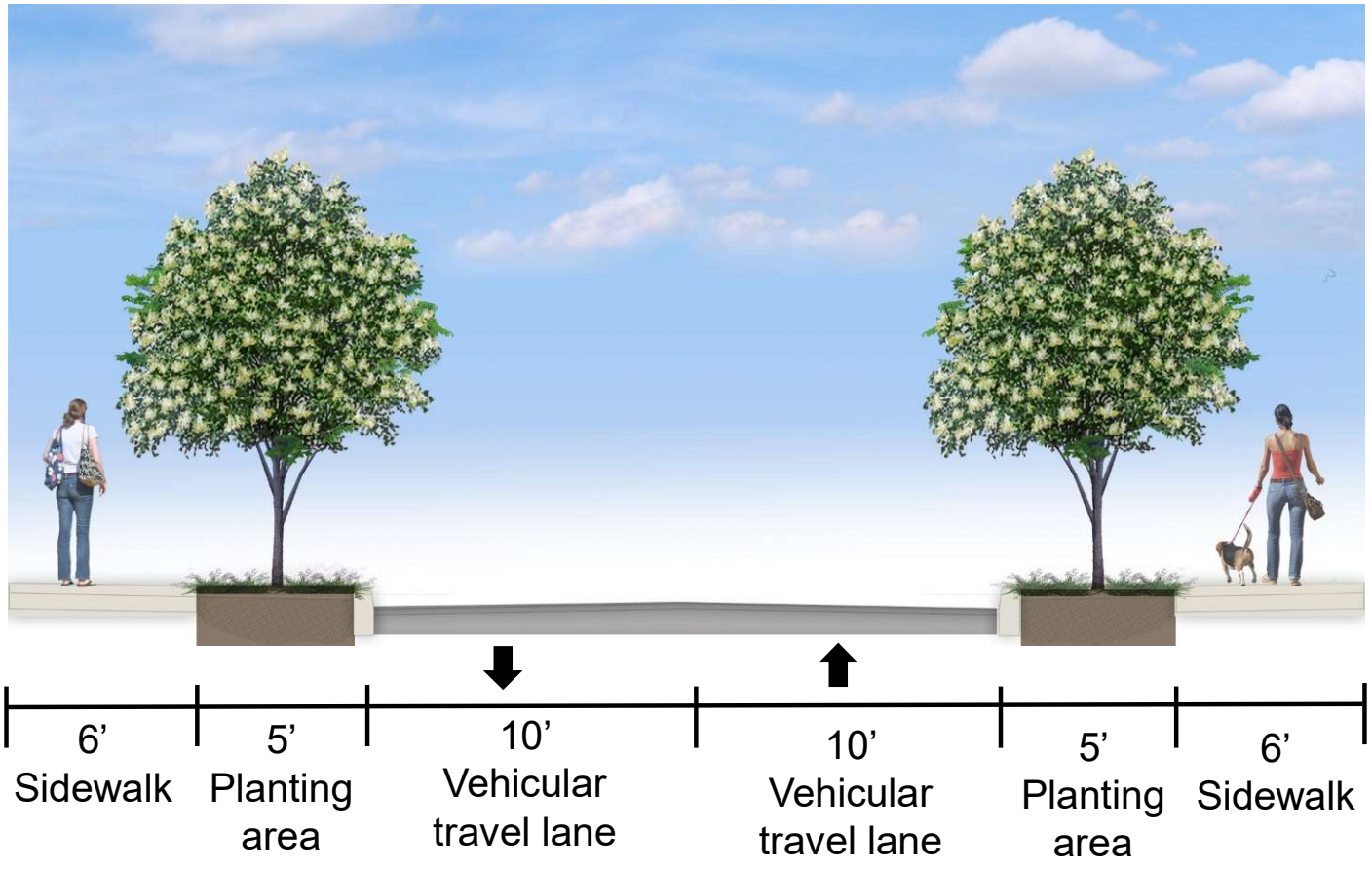
A. Sidewalk & ADA ramp
B. Curb bump-out with planting (narrows road width)
C. Street trees
D. Directional sign
E. Bollard to restrict vehicular access
F. Proposed bridge - pedestrian & bicycle access only
G. Riverview Park trail connection
H. ADA accessible seating area
I. Existing tree to remain

DESIGN FEATURES- APPROACHES

Typical Davis Avenue Streetscape Section



Key Plan

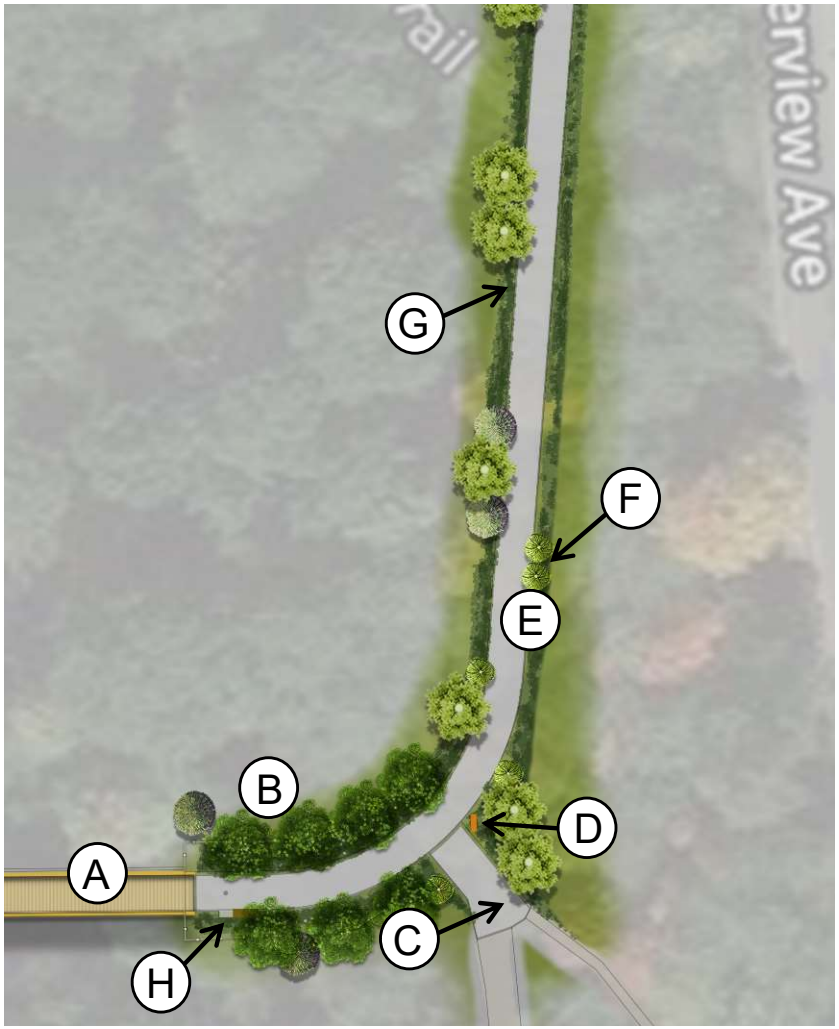


DESIGN FEATURES- APPROACHES

Riverview Park Connection

LEGEND:

A. Proposed bridge - pedestrian & bicycle access only
B. Shade trees
C. Trail connection (to Violet Lane Trail)
D. Directional sign
E. Paved trail connection to Riverview Park Loop
F. Ornamental Trees
G. Understory planting- Native/adapted grasses, shrubs & perennials
H. ADA accessible seating area



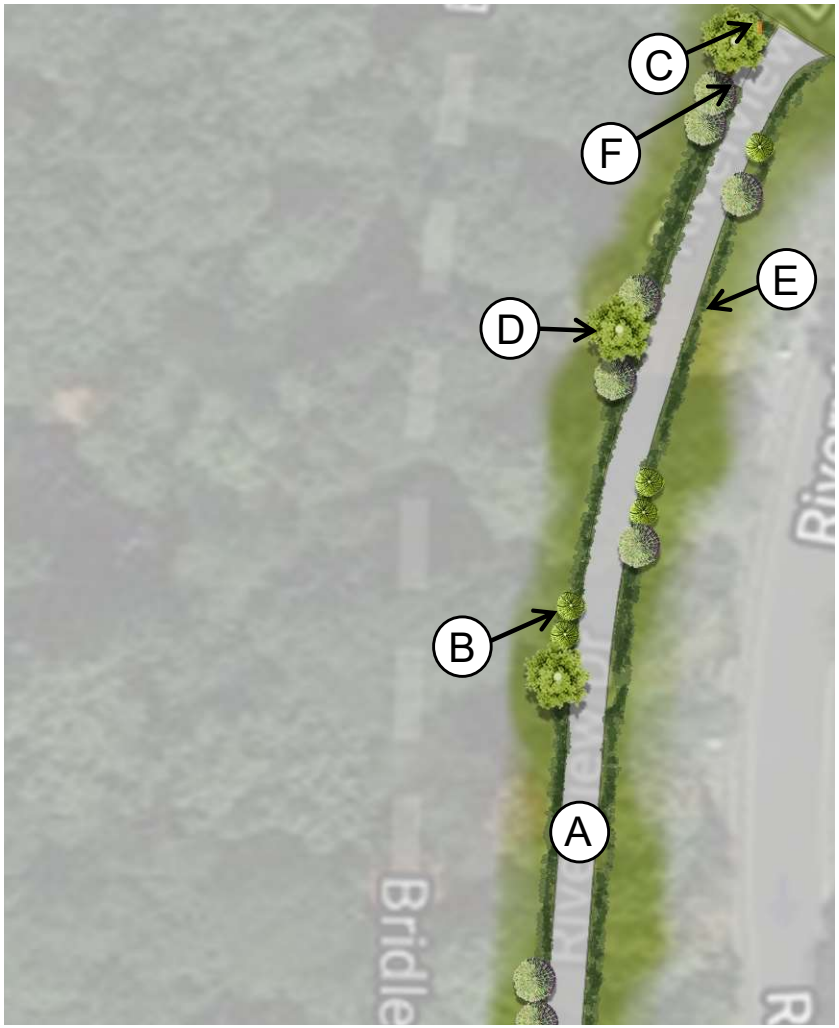
Key Plan

DESIGN FEATURES- APPROACHES

Riverview Park Connection

LEGEND:

A. Paved trail connection to Riverview Park Loop
B. Ornamental trees
C. Directional sign
D. Shade Tree
E. Understory Planting - Native/adapted grasses, shrubs & perennials
F. Bench seating

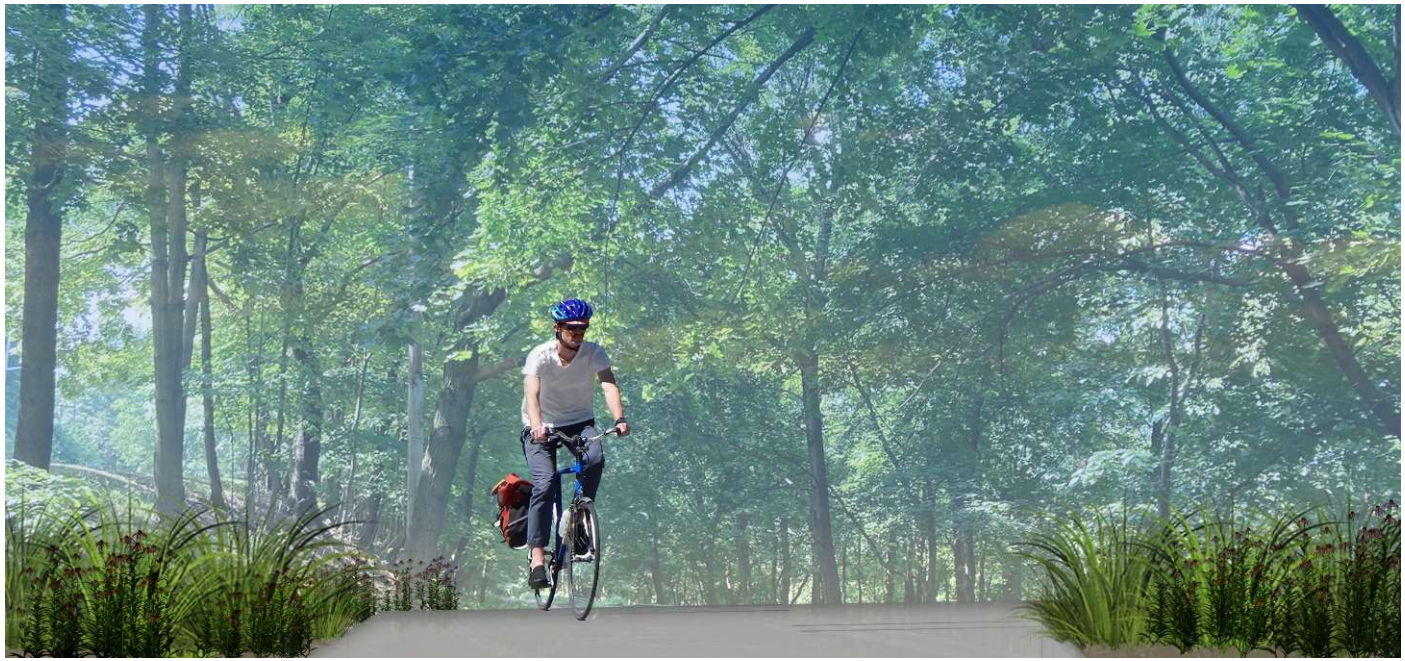


Key Plan

DESIGN FEATURES- APPROACHES

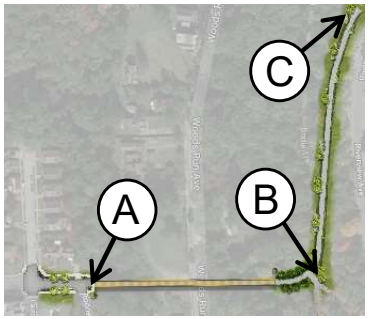
Typical Riverview Park Trail Section

Key Plan



DESIGN FEATURES- APPROACHES

Wayfinding – Directional Signage



Key Plan

Directional sign A

Directional sign B

Directional sign C

DESIGN FEATURES- MATERIALS

Site Furnishings

Riverview Park Approach Only

Bench seating - 6’ length
(City of Pittsburgh standard)
*image credit: Architectural Iron Company

Davis Avenue and Riverview Park Approaches

Aluminum ornamental fencing - 6’ height
(3 rail, classic top design)
*image shown for conceptual purposes only

DESIGN FEATURES- PLANTING

Utility Compatible Street Tree - Davis Avenue Approach

Japanese Tree Lilac ‘Ivory Silk’

*Utility compatible street tree selected from City of Pittsburgh “Approved Tree Species for Pittsburgh’s Streets” list dated January 8, 2020.

DESIGN FEATURES- PLANTING

Perennials, Groundcovers & Grasses - Davis Avenue Approach

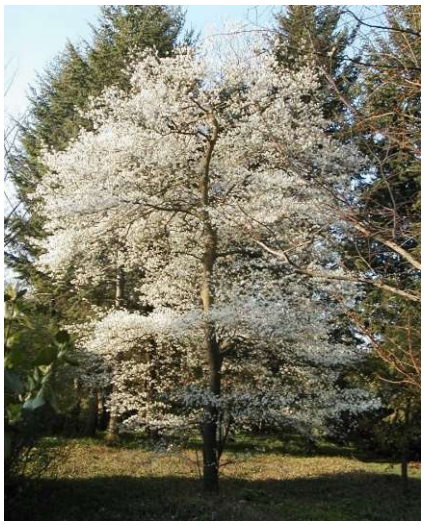
Karl Foerster Feather Reed Grass

Purple de Oro Daylily

Silvery Sunproof Liriope

DESIGN FEATURES- PLANTING

Park Trail Trees - Riverview Park Approach



Common Serviceberry

Allegheny Serviceberry

Mountain Silverbell

American Hophornbeam

*All park trees selected from City of Pittsburgh “Approved Tree Species for Pittsburgh’s Parks & Open Spaces” list dated February 26, 2020.

DESIGN FEATURES- PLANTING

Trail Understory Planting - Riverview Park Approach

Partially Shaded Roadside Seed Mix
*image shown for conceptual purposes only

Primary seed mix components pictured to the right.

Little Bluestem (49.7%)

Virginia Wildrye (16.8%)

Echinacea purpurea (9.0%)

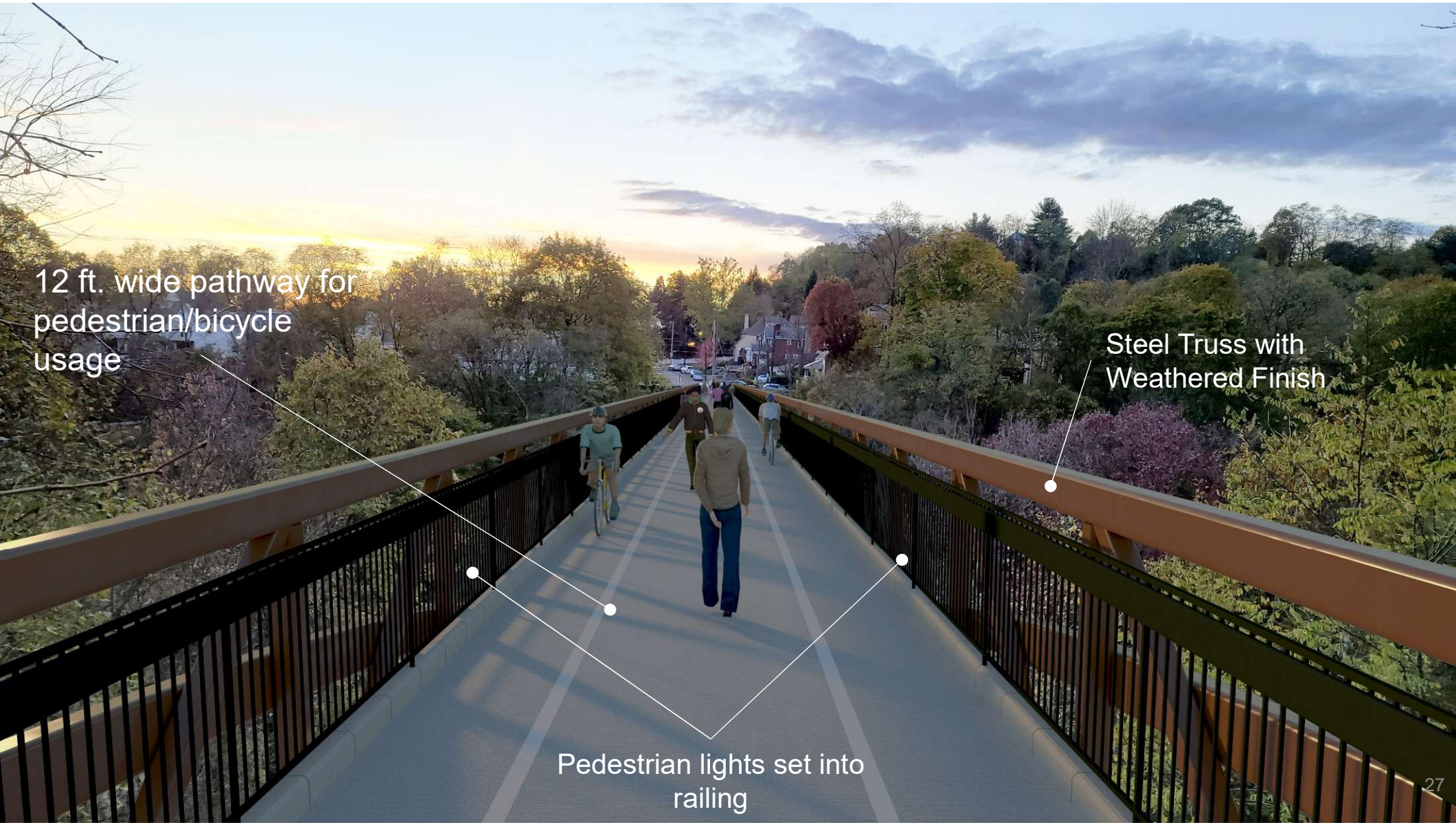
Bottlebrush Grass (6.5%)

Partridge Pea (3.5%)

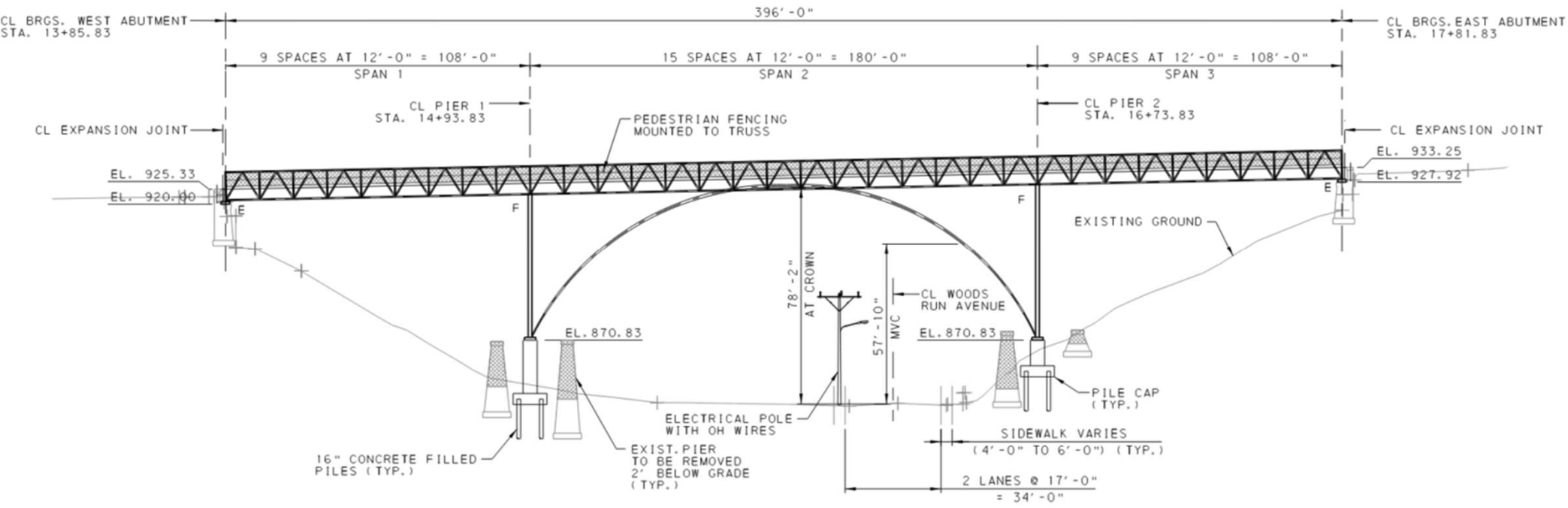
Blackeyed Susan (3.0%)

Oxeye Sunflower (2.0%)

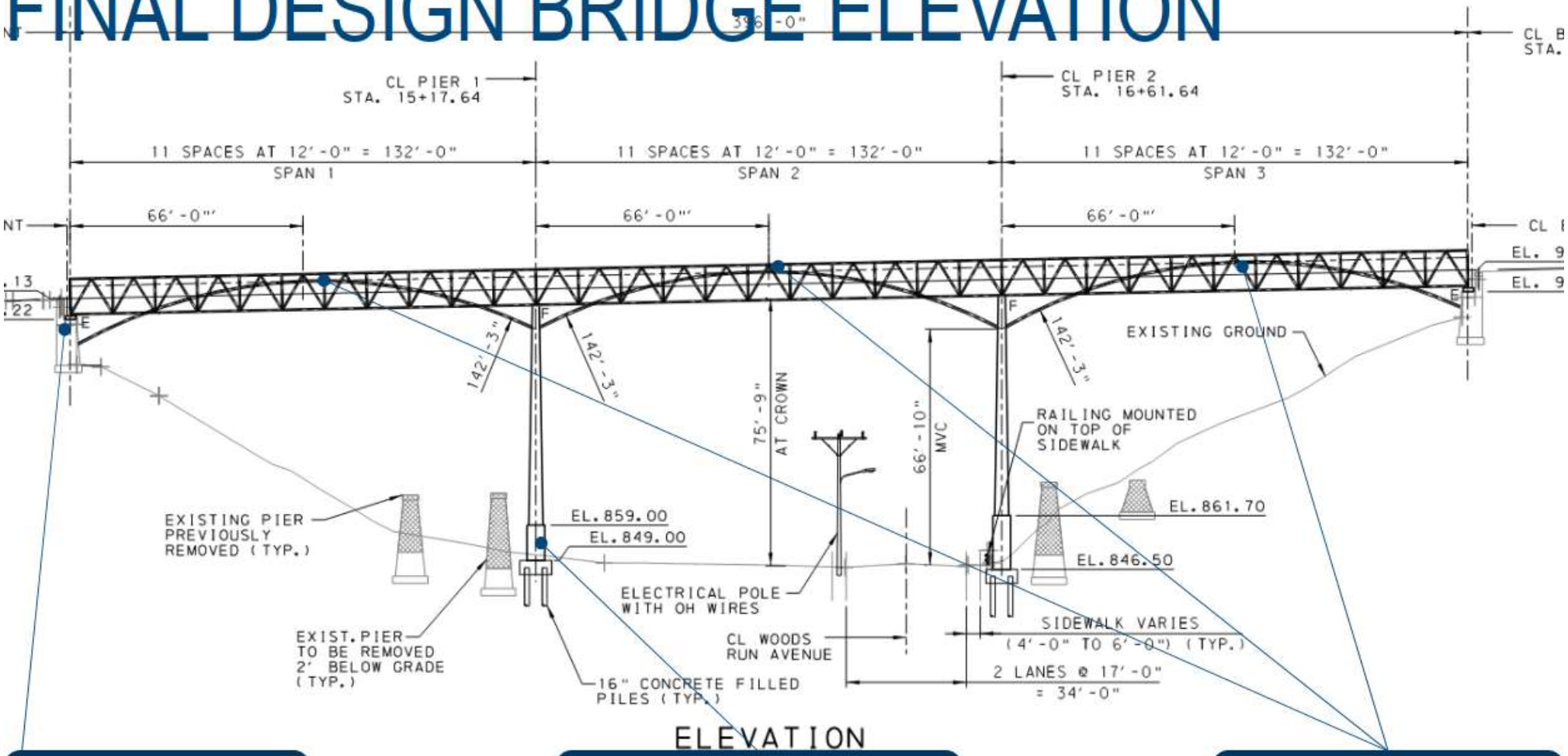
DESIGN FEATURES- BRIDGE


12 ft. wide pathway for pedestrian/bicycle usage
Steel Truss with Weathered Finish
Pedestrian lights set into railing

PRELIMINARY BRIDGE ELEVATION



FINAL DESIGN BRIDGE ELEVATION



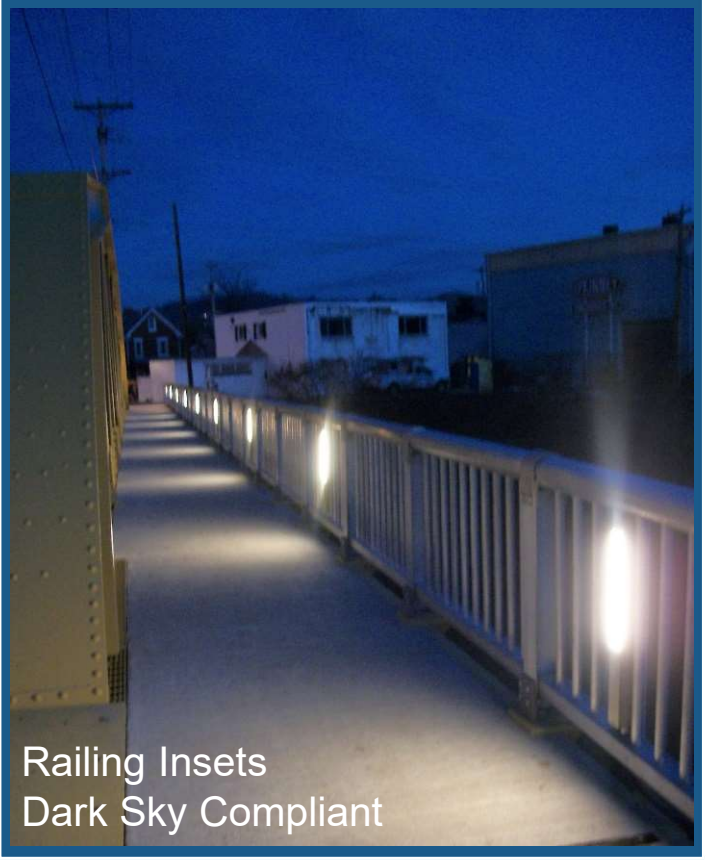
Existing abutments to remain

Concrete pedestals supporting steel columns

Decorative steel arch elements

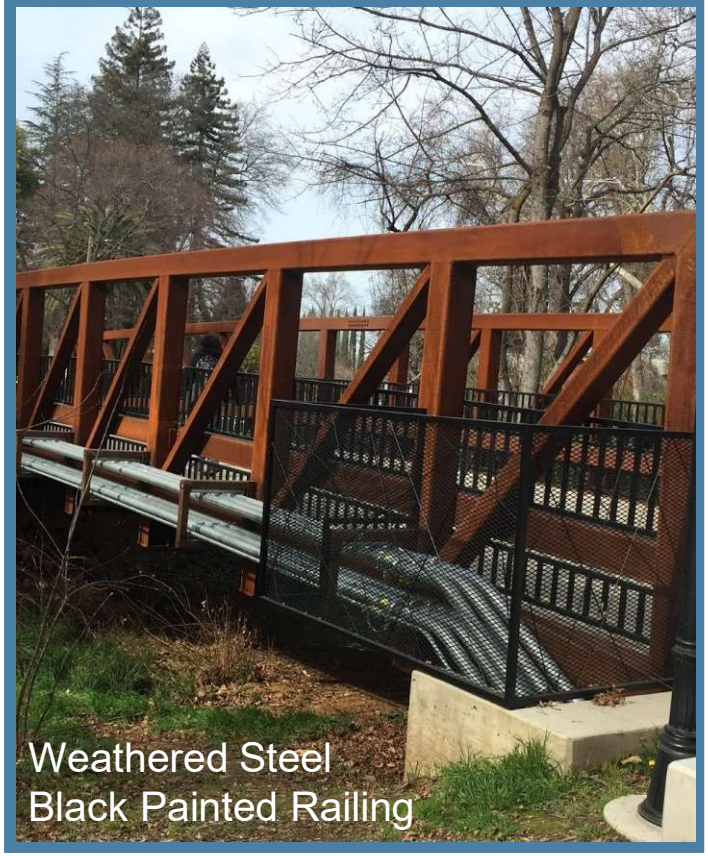
Bridge Aesthetic Features

Bridge Lighting



Railing Insets
Dark Sky Compliant

Finish



Weathered Steel
Black Painted Railing

Concrete Formliner

Ashlar Cut Stone
*final formliner pattern may vary

NEXT STEPS AND Q&A

NEXT STEPS

Final Design:

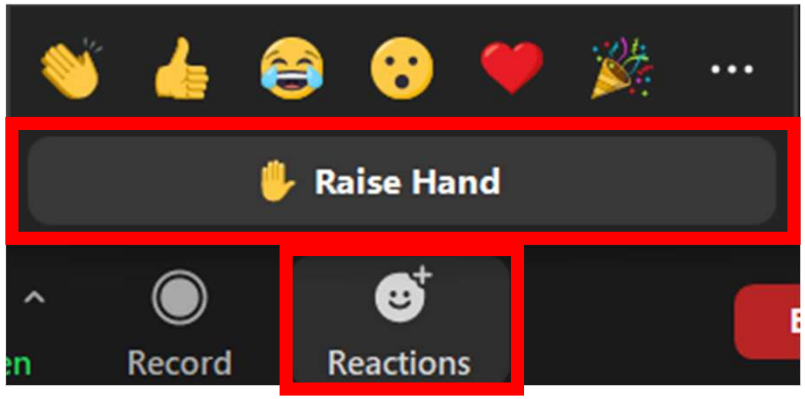
- Finalize design plans, details, specifications and estimate
- Artist Coordination
- Advertise to contractors and select a bid
- Pre-Construction announcement

Construction:

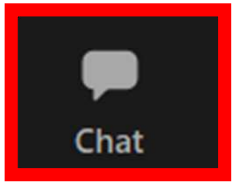
- Start construction Spring 2023
- Conclude construction Fall 2023

Q&A AND FEEDBACK

- Click the “Raise Hand” button if you’d like to ask a question or provide a comment:



- Type your question into Chat:



- Email your question or comment: rwhittington@hntb.com

Thank you for your attendance and feedback!

Contact Information

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Ryan Whittington, PE
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Project Updates

https://engage.pittsburghpa.gov/davis-avenue-bridge