Welcome to the Davis Avenue Pedestrian Bridge Preliminary Engineering Public Meeting

- Presentation: 6:30-7:30pm
- Q&A/Feedback: 7:30-8:30pm
- Please mute ( ) your microphone during the presentation.
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

Brighton Heights Approach
- Streetscape
- Landscape
- ADA Ramps
- Stormwater Control

Riverview Park Approach
- Pedestrian/Bike Pathway
- Pedestrian Lighting
- Stormwater Control
- Landscape

Pedestrian Bridge
- Pedestrians & Bicyclists
- Pedestrian Lighting
- Light service vehicles
- Drainage
# 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

Data Collection/Analysis
- Site Survey
- Assessment of existing abutments
- Utility Coordination

Preliminary Eng.
- Horizontal & Vertical Alignment
- Determine Type, Size & Location of features
- Determine drainage and stormwater features

Final Design
- Right of Way
- Permitting
- Final Plans & Details

Ongoing Stakeholder/Public Engagement
## PROJECT TIMELINE

<table>
<thead>
<tr>
<th>Activity</th>
<th>Anticipated Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Engineering</td>
<td>Summer 2021- Spring 2022</td>
</tr>
<tr>
<td>Final Design</td>
<td>Spring 2022- Fall 2022</td>
</tr>
<tr>
<td>Construction</td>
<td>Starting Spring 2023</td>
</tr>
</tbody>
</table>
EXISTING CONDITIONS
EXISTING CONDITIONS-
Davis Avenue Connection
EXISTING CONDITIONS -
Riverview Drive Connection
PARK FEATURES
Park Gateway, Signage & Wayfinding Elements
DESIGN FEATURES - APPROACHES

Overall Plan

- Riverview Park Loop Trail Connection
- Paved Trail with Planting & Seating
- Streetscape & Sidewalks
- Davis Avenue
- New Bridge (Pedestrians/Bicycles Only)
LEGEND:
A. Sidewalk & ADA Ramp
B. Curb bump-out with planting (narrows road width)
C. Street Trees
D. Park gateway element
E. Bollard to restrict vehicular access
F. Proposed bridge- pedestrian & bicycle access only
G. Riverview Park trail connection
DESIGN FEATURES- APPROACHES
Typical Davis Avenue Streetscape Section
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. Park Map/Sign
E. Paved trail connection to Riverview Park Loop
F. Ornamental Trees
G. Understory Planting- Native/Adapted grasses, shrubs & perennials
DESIGN FEATURES- APPROACHES
Riverview Park Connection

LEGEND:
A. Paved trail connection to Riverview Park Loop
B. Ornamental Trees
C. Bench Seating
D. Shade Tree
E. Understory Planting-
   Native/Adapted grasses, shrubs & perennials
F. Park Map/Sign
DESIGN FEATURES - APPROACHES

Typical Riverview Park Trail Section

Key Plan

Planting Area (width varies)  6' Shared Use Path  6' Shared Use Path  Planting Area (width varies)
DESIGN FEATURES - BRIDGE
Features of the Proposed Bridge:

- 12 ft wide pathway provides multiple layout options
- Steel Truss Elements (various finish options)
- Pedestrian lighting (no decorative lighting)
- Pedestrian lights set into vertical rail elements
- Built for light service vehicles
Existing abutments to remain. Concrete pedestals supporting steel columns.

Decorative steel arch element. Steel truss design.

Finish Options:
- Painted
- Galvanized
- Weathering
NEXT STEPS AND Q&A
NEXT STEPS

**Preliminary Design:**
- Collect community input, incorporate into design process
- Continue coordination with utilities
- Finalize preliminary design (approach work, drainage, structure)

**Final Design:**
- Final Design Community Meeting
- Finalize design plans, details, specifications and estimate
- Advertise to contractors and select a bid
- Pre-Construction announcement
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
CONTACT INFORMATION

Zachary Workman, PE
412-719-4338
zachary.workman@pittsburghpa.gov

Ryan Whittington, PE
610-290-5142
rwhittington@hntb.com