

# **Crabtree Creek Trail Improvements at Lassiter Mill Road**

## **Virtual Public Open House - December 2020**



# WELCOME

WE'RE GLAD YOU'RE HERE

**David Bender**

Capital Projects Manager

City of Raleigh Parks, Recreation and Cultural Resources Department

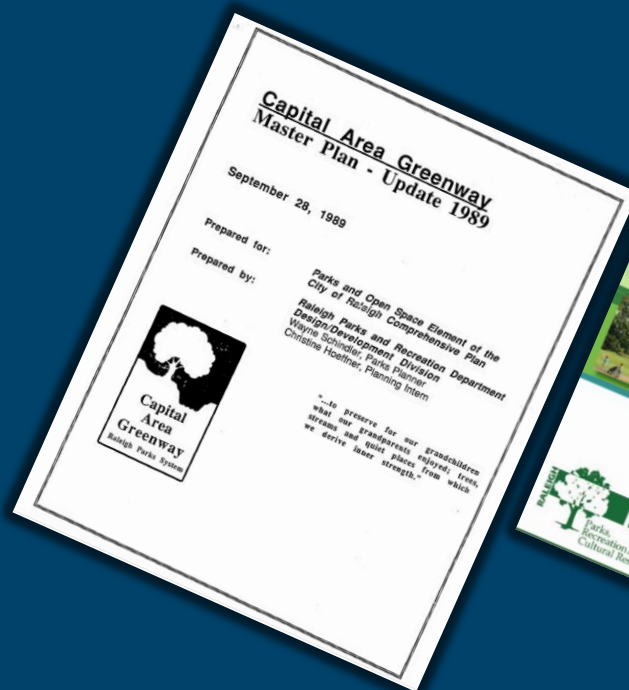






# Raleigh Greenways

- The broad vision for the greenway system and Crabtree Creek included in adopted plans
- Crabtree Creek corridor high priority for balancing environmental, multi-modal transportation and recreation uses
- Public support for this project as part of the 2014 Parks Bond Referendum





# Project Basics

- **Critical link on the Crabtree Creek Greenway**
- **0.3 Miles**
- **Funded in 2014 Parks Bond for \$2,000,000**
- **Design Complete in Spring 2021**
- **Construction Schedule**
  - **Late 2021 Estimated Construction Start**
  - **Late 2022 Estimated Construction Completion**





# Project Location

Lassiter Mill Road

Crabtree Creek Greenway  
Mile Marker 10





# Project Goals

- Improved Trail User Safety And Accessibility
  - Grade separated crossing of Lassiter Mill Road as funding permits
  - Remove center turn lane on Lassiter Mill Road and adding sidewalk extension over the vehicular bridge as funding permits
  - Improved wayfinding signage
  - Comfortable grades on trails
  - Replacement of existing stairs/structure with new boardwalk











# Project Sections

## A. Stream Restoration and Boardwalk

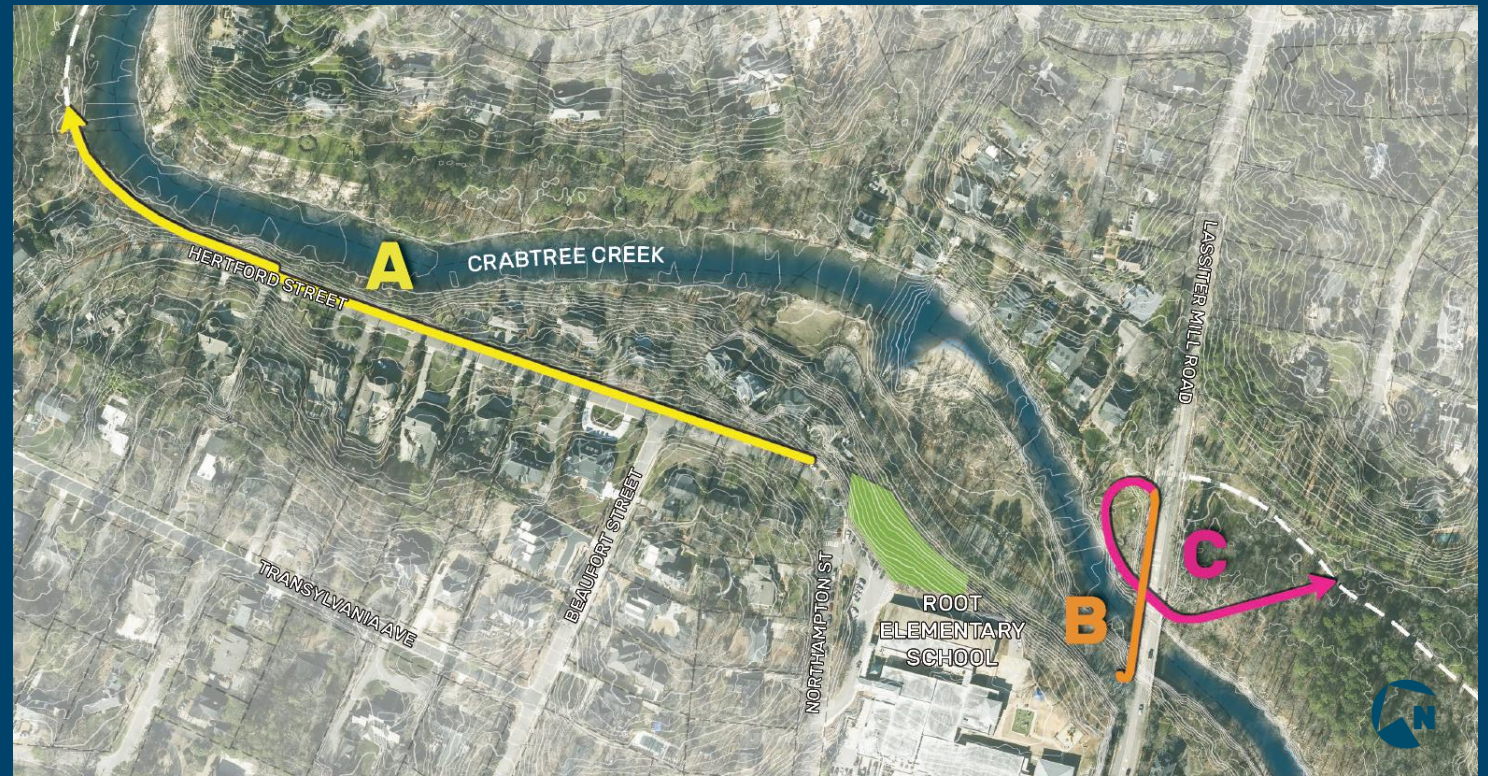
- From existing end of greenway pavement to Hertford Street
- New Boardwalk to provide ADA access to the trail

## B. Improvements Across Lassiter Mill Vehicular Bridge

- New pavement markings
- Widened Sidewalk as funding permits

## C. Grade Separated Crossing of Lassiter Mill Road

- Funding permitted
- Pedestrian underpass
- Re-align existing trail to make new section the main trail

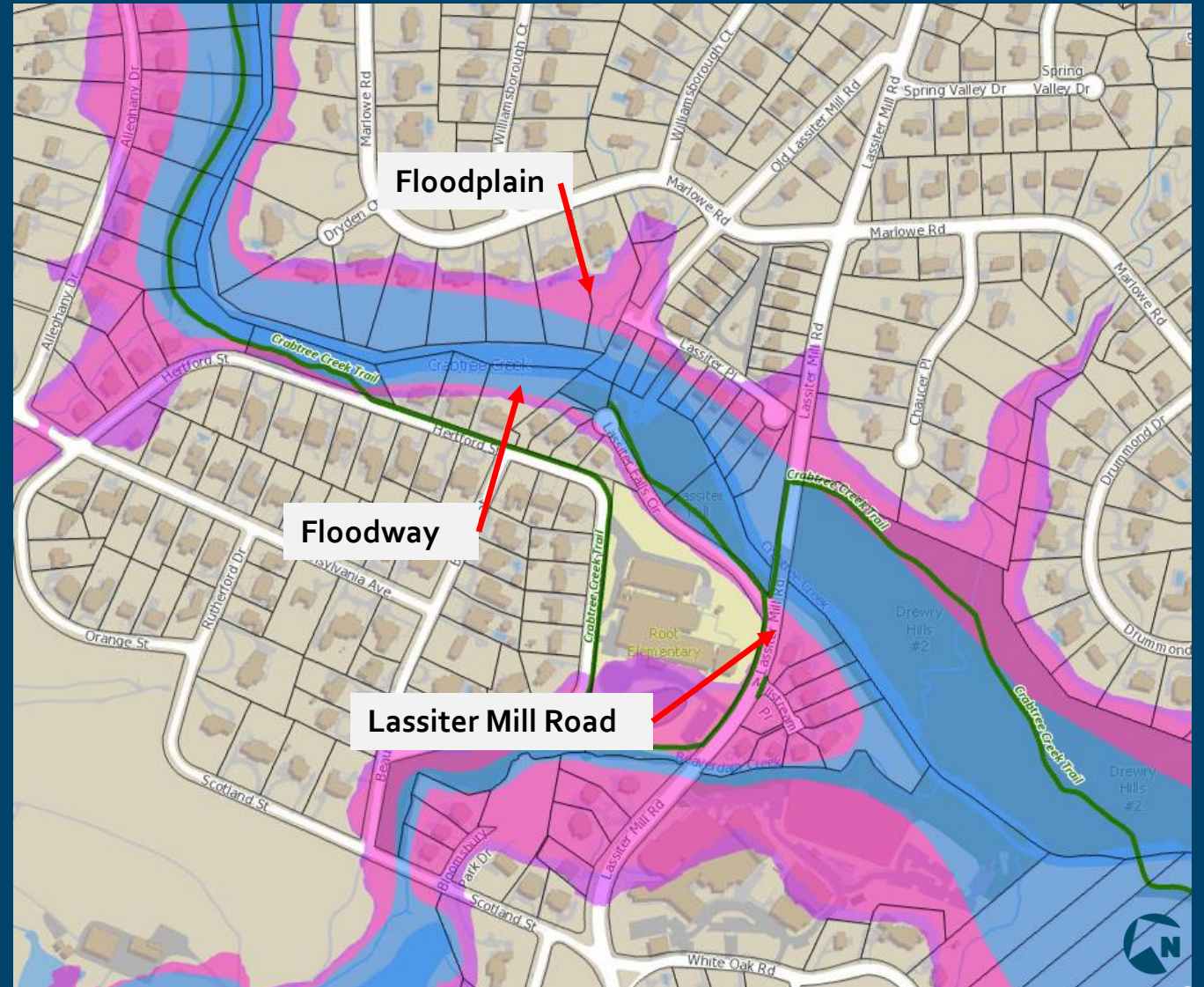






# Floodplain / Stormwater - Sections A, B, and C

- Design process models whether the project will increase water elevations.
- Greenway project does not create a rise in water surface elevations.



NCFMP **EFFECTIVE** FLOODPLAIN MAPPING







# Floodplain / Stormwater - Section A

Stream bank erosion is an ongoing issue on this part of Crabtree Creek

- Project includes Stream Bank Restoration and Stabilization
- Permanent fix to a failing bank
- Designed for Flooding
- Helps reduce muddiness of stream and improves water quality



Existing stream bank conditions



Proposed Improvements

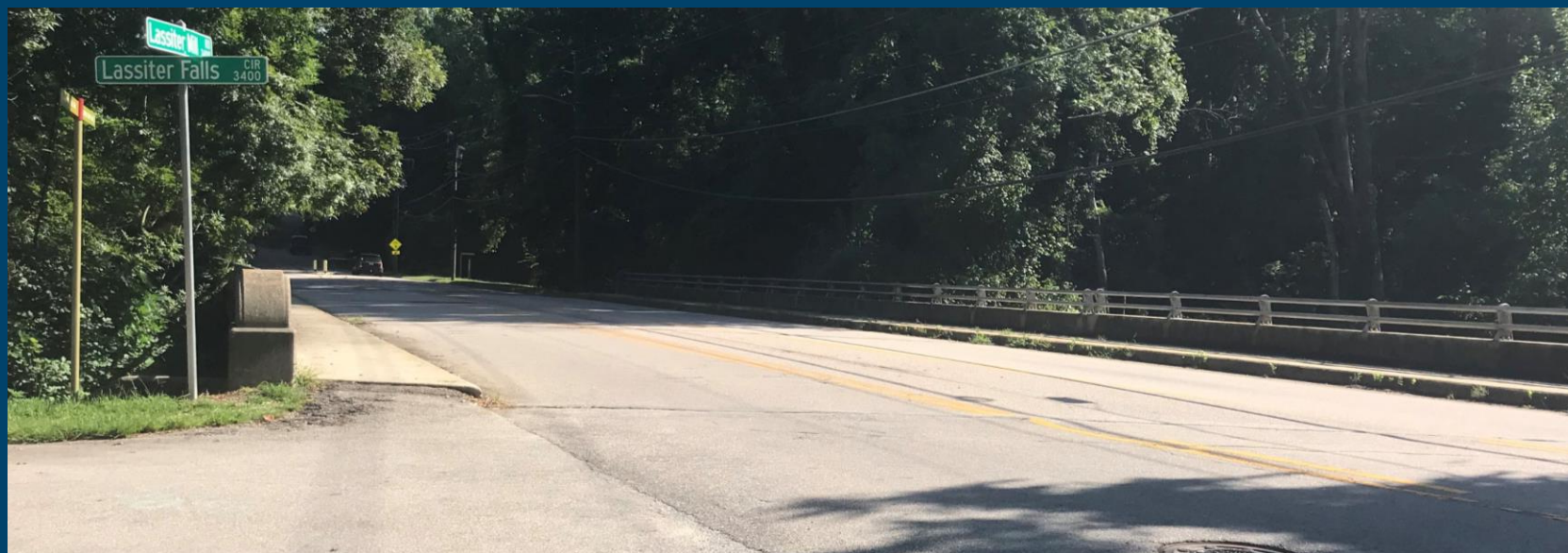






## Lassiter Mill Rd Bridge over Crabtree Creek - Section B

- Restripe roadway to give more space to trail users
- Widening of sidewalk to give trail users more space over bridge. Construction as funding permits.
- Curb and delineators create vertical separation between traffic and pedestrians



Existing bridge and sidewalk conditions



Proposed Improvements  
Vertical delineators

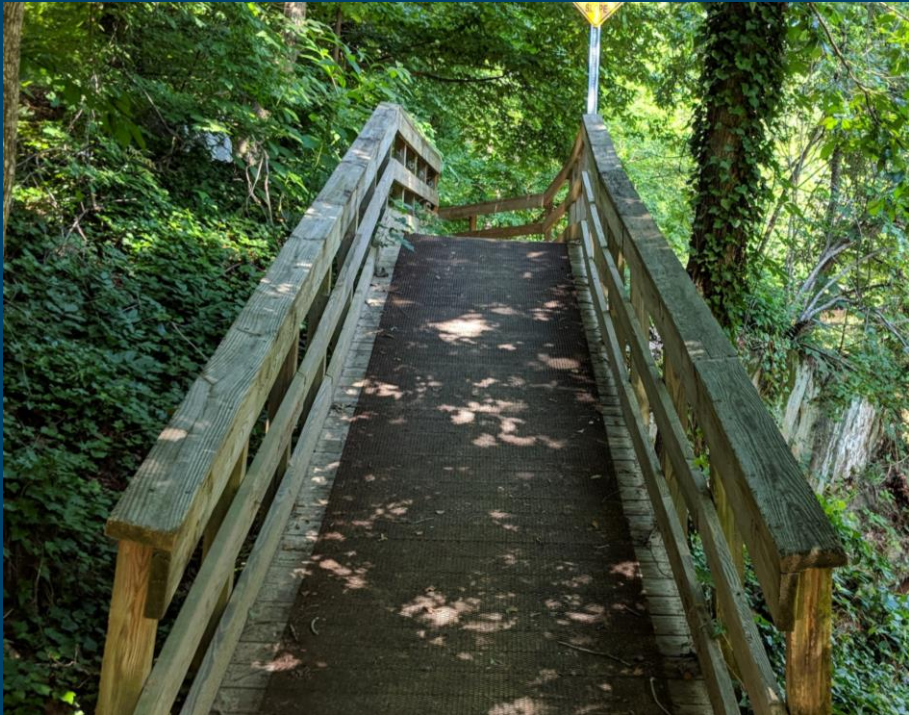




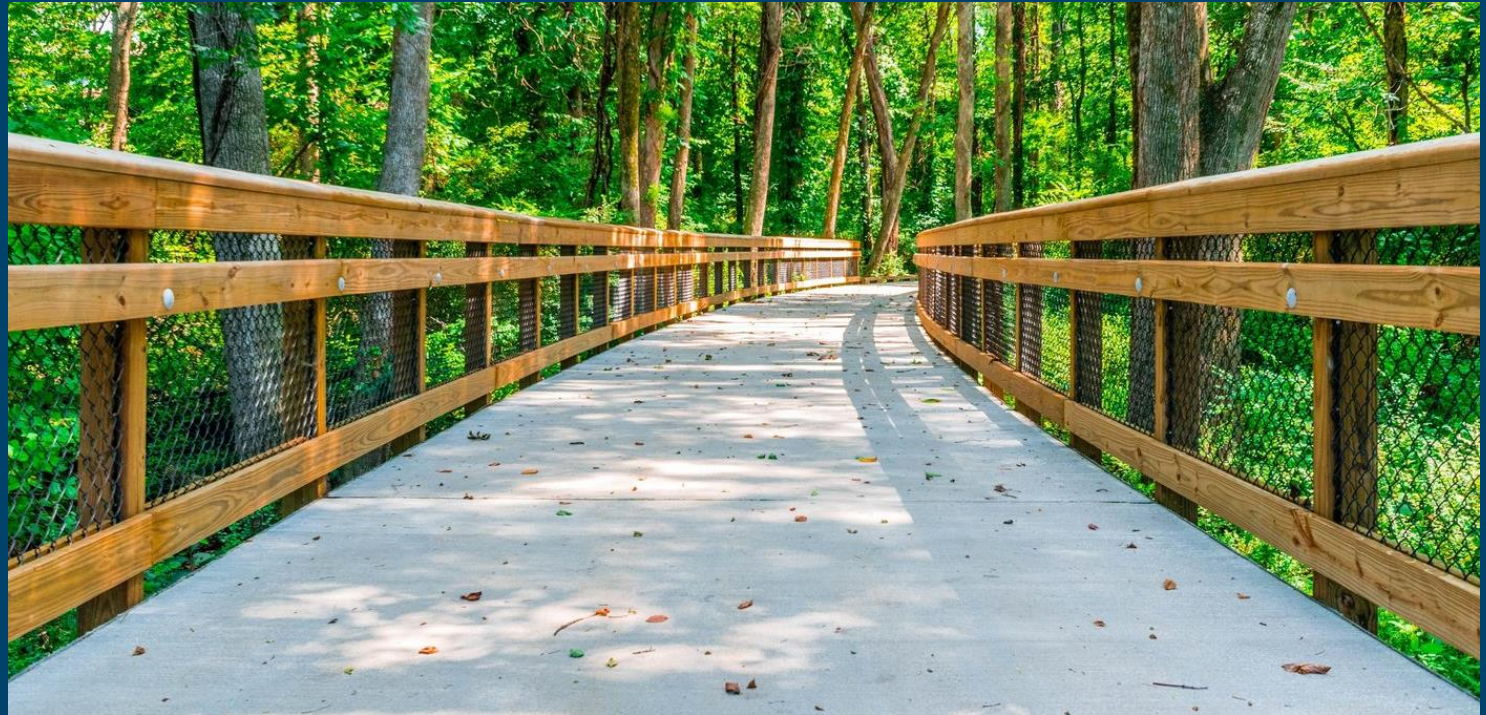


# Boardwalks - Section A

- Remove non-ADA stairs and existing structures off Hertford Street
- Replace with 10-ft wide boardwalk with slip resistant concrete deck



Existing to be Removed



Example of Design







# Project Sections

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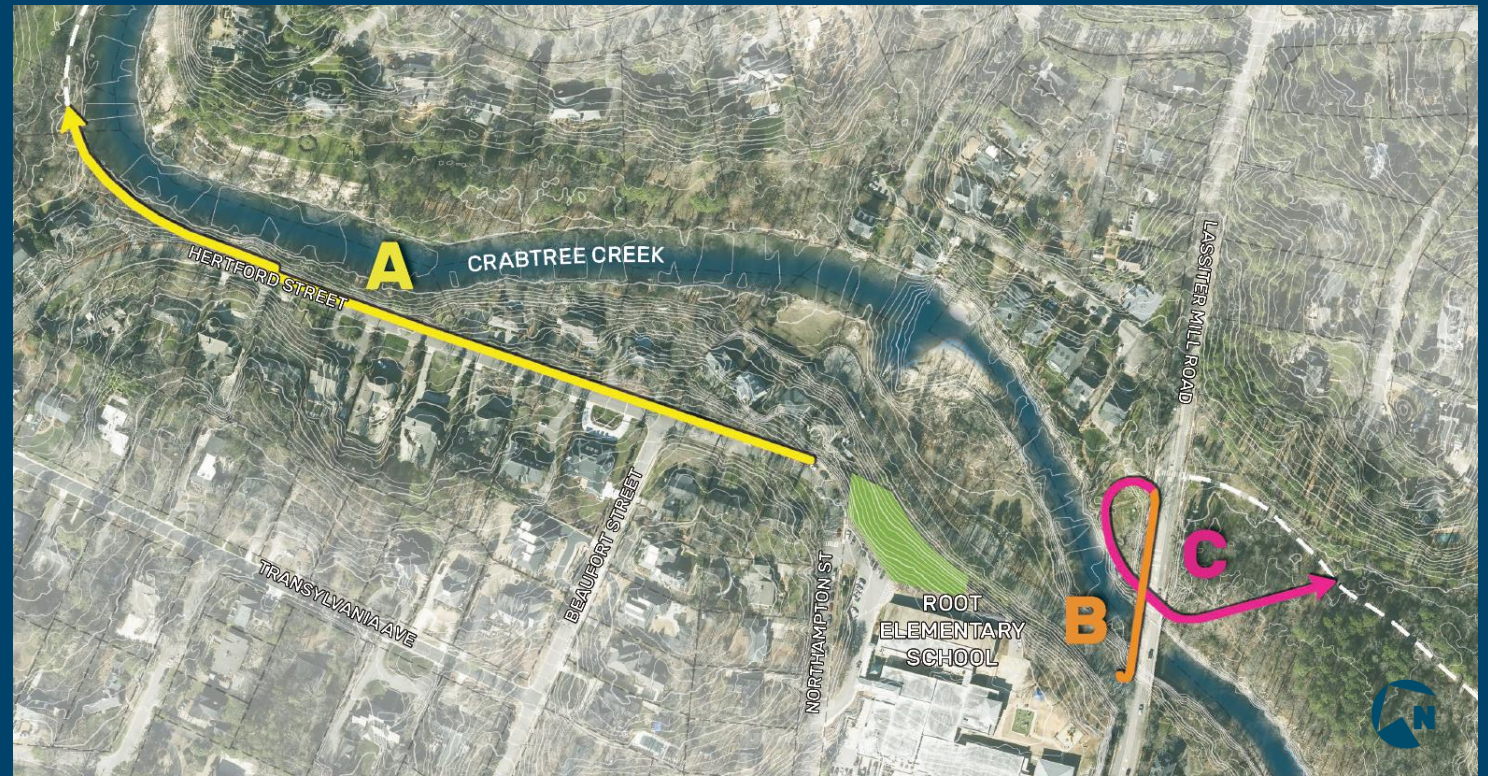
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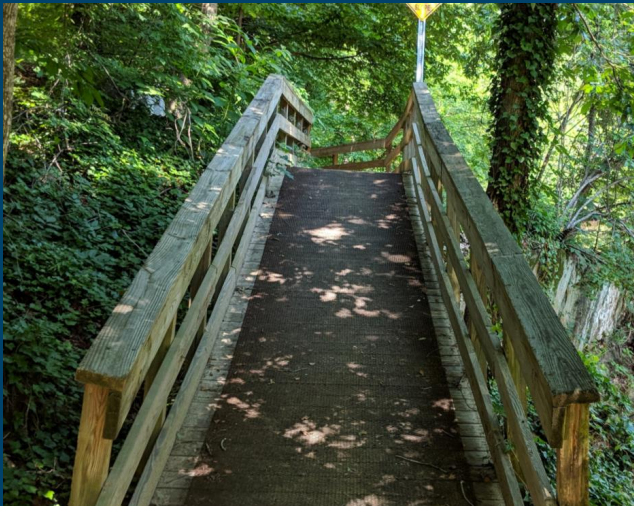
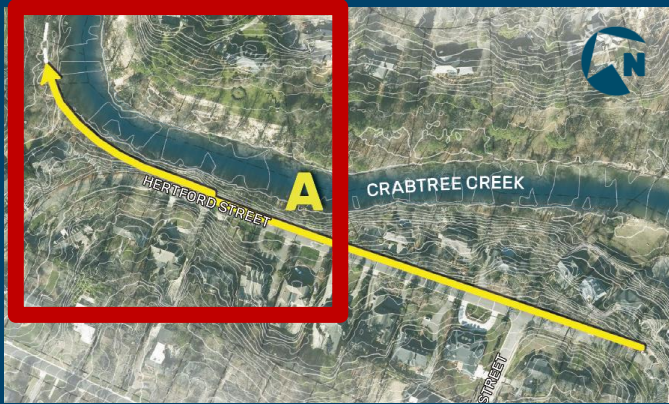
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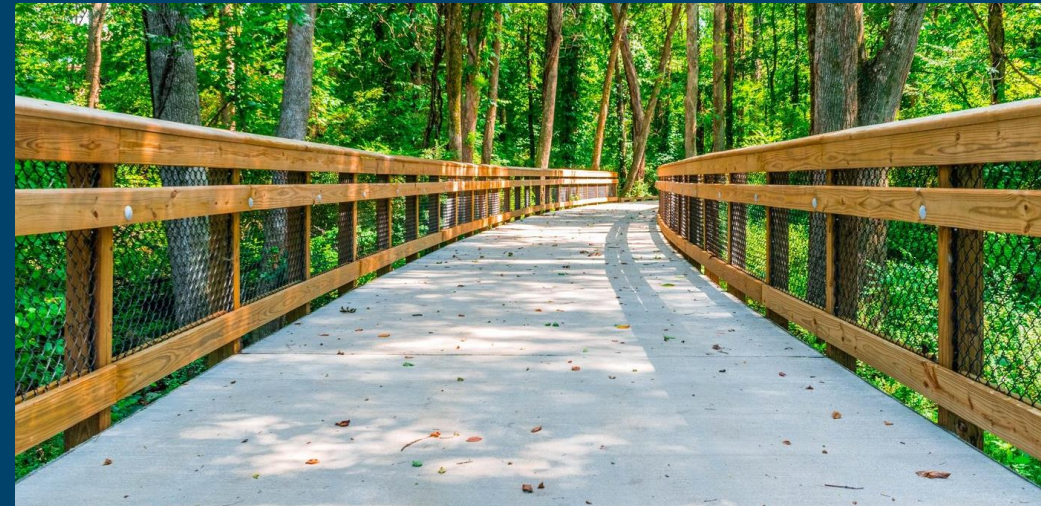




# Section A



Existing to be Removed



Example of Design







# Section A



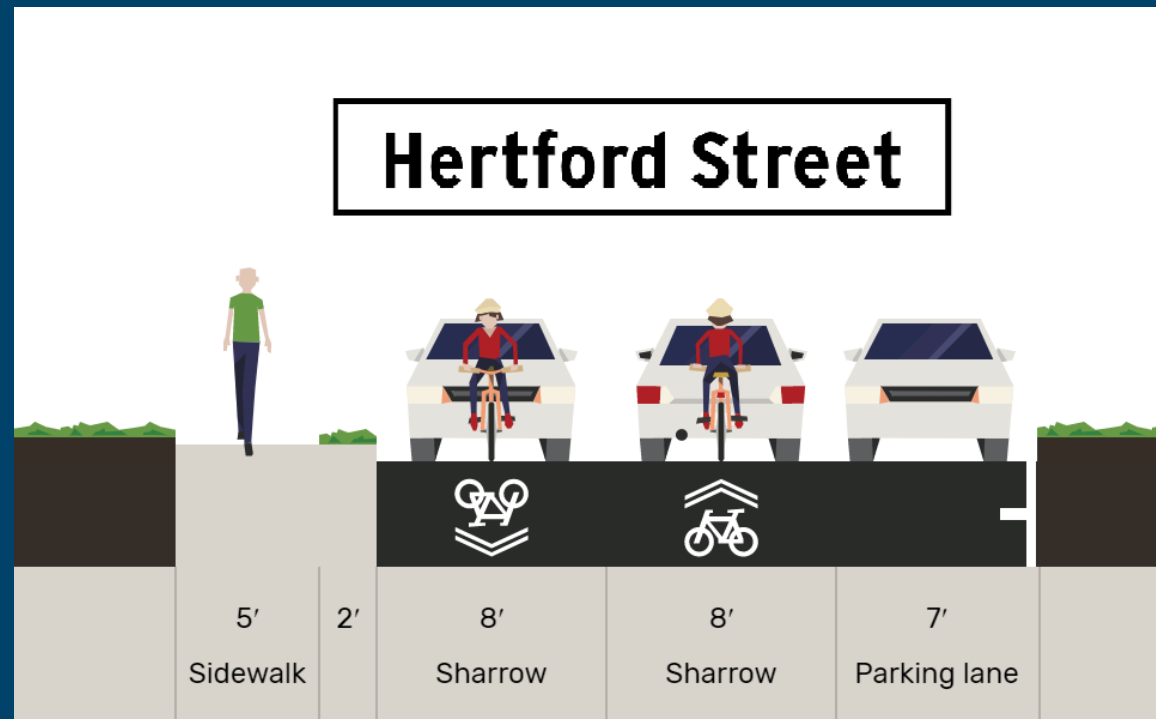
Existing sidewalk conditions



Proposed Sharrow Pavement Marking



Wayfinding Signage





# Sections B & C







# COMMUNITY INPUT

Please take our survey by using the link below or  
scanning the QR Code

<https://bit.ly/lassitermill>





# THANK YOU





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