

# Rock Creek Park Multi-Use Trail and Pedestrian Bridge Project

## Public Information Meeting

June 28<sup>th</sup>, 2017



District Department of Transportation  
National Park Service

Shoreham  
Drive



# Agenda

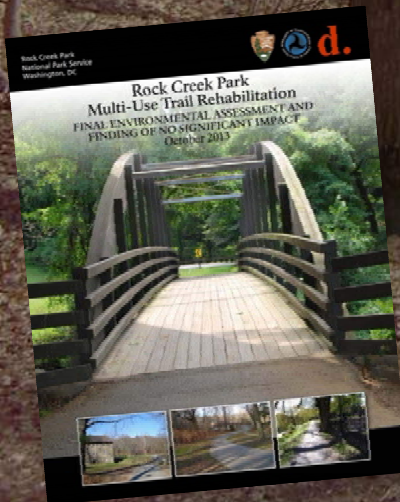
- Opening Remarks
- Project Overview
- Closures and Detours
- Q&A/Discussion





# Project Overview

- Over a decade in the making
- EA/FONSI and 30% Design completed in 2014



Beach Drive NW  
Reconstruction  
FHWA-EFLHD  
includes 1.4 miles of trail  
rehabilitation




Proposed Retaining  
Wall Repair

Proposed  
Pedestrian Bridge

- 2.4 miles of pavement rehabilitation /widening
- 1.2 miles of new trail connections
- Pedestrian Structure
- 11.4 Acre Limit of Disturbance

Zoo Loop



The background of the slide is a photograph of a forest. A paved path leads into the distance, flanked by trees with bare branches, suggesting a late autumn or winter setting. A semi-transparent green rectangle with a fine grid pattern is overlaid on the left side of the image, containing the title and the first bullet point.

# Project Overview

- Schedule
  - Final Design, Permitting, and Approvals: July 2017
  - Advertise: Fall 2017
  - Begin Construction: Spring 2018
- Construction Cost
  - Estimated at \$8 million.

# Project Overview



Rock Creek Park Multi-Use Trail EA Public Hearing,  
2011

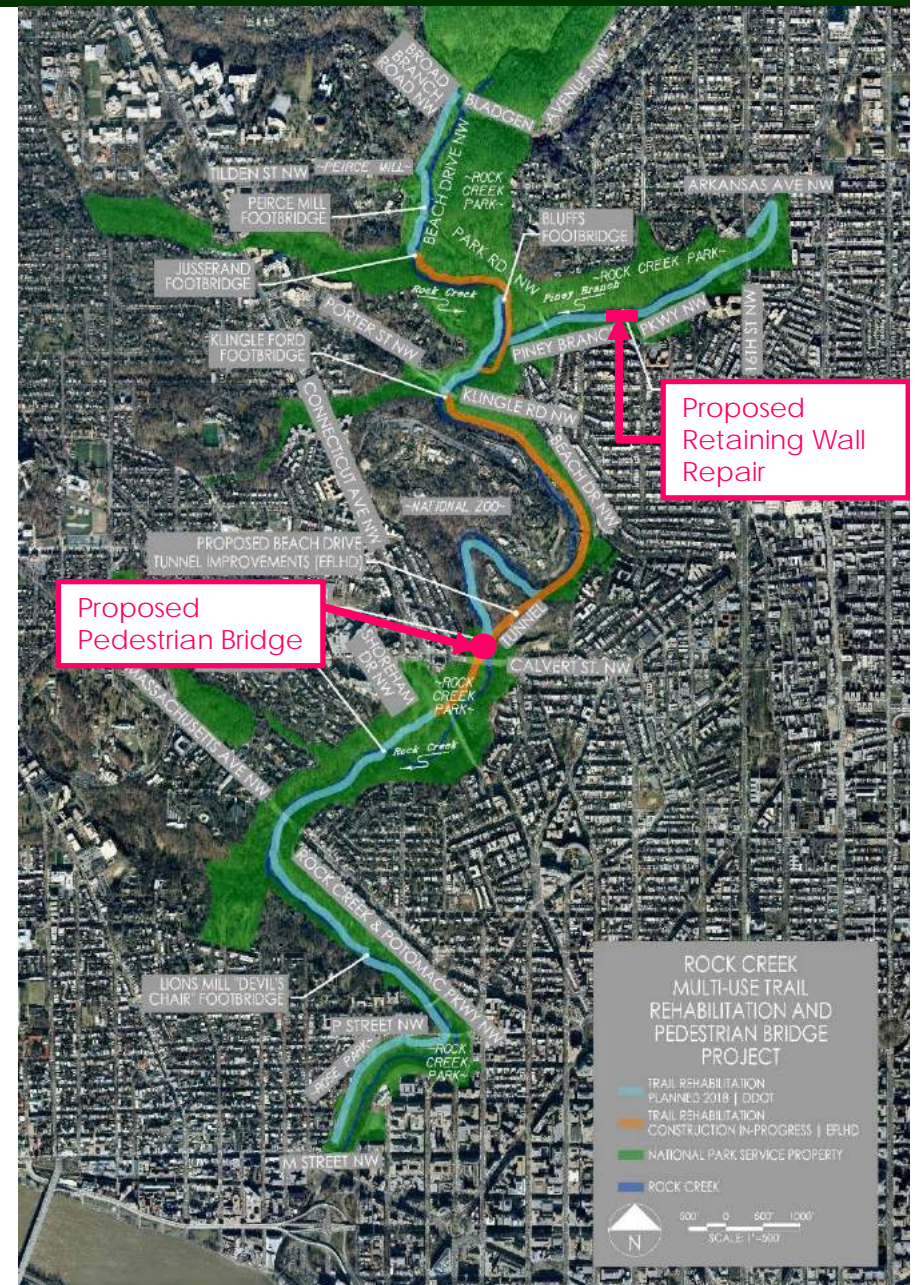
## Stakeholders

- General Public
  - Park Visitors ~ 2 million/year
  - Commuters ~ 12 million/year
- Interest Groups
- Advisory Neighborhood Commissions
- Agency Stakeholders
  - National Park Service
  - Smithsonian Institution/National Zoological Park
  - US Park Police
  - US Secret Service
  - FHWA - Eastern Federal Lands
  - DOEE, USACE, DC Water, PEPCO, WGL, CFA, SHPO



# Project Overview: Multi-Use Trail

- Total length of work ~ 3.6 miles
- Rock Creek Park Multi-Use Trail from the Broad Branch/Grove 2 North parking area to P Street, NW;
- Piney Branch Trail - from Beach Drive NW to Arkansas Avenue, NW - new 4,859-foot (0.9 mile) segment;
- Rose Park Trail – rehabilitation/widening of 1,929-foot (0.4 mile) segment.
- Spans wards 1, 2, 3, & 4





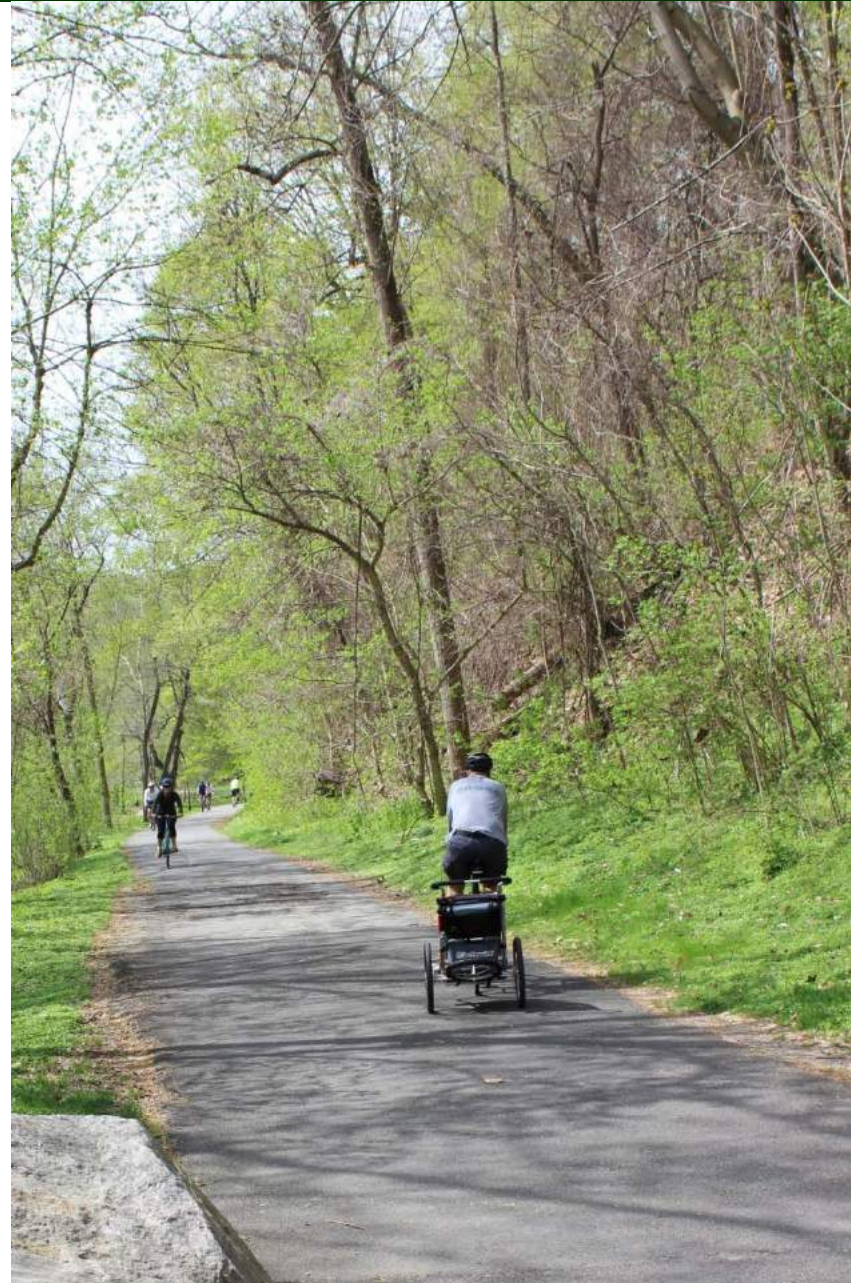
# Project Overview: Multi-Use Trail

## Existing Trail

- Dense mix asphalt
- 6' to 7' wide

## Proposed Trail

- Dense mix asphalt & porous asphalt
- Paved width: 8' to 10' wide
- Shoulders:
  - Crushed aggregate
  - 1' wide





# Project Overview: Multi-Use Trail

## Existing Trail Defects

Pavement deterioration



Ponding



Sediment  
build-up

Blocked  
culverts

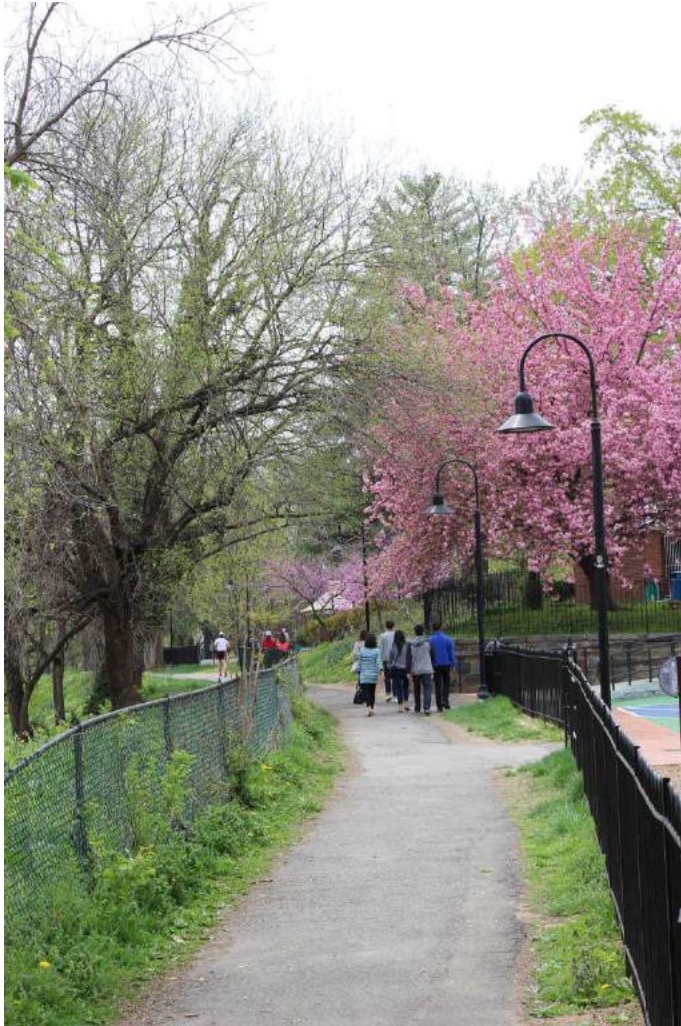


Slope Failure



# Project Overview: Multi-Use Trail

## Existing and Proposed Rose Park Trail

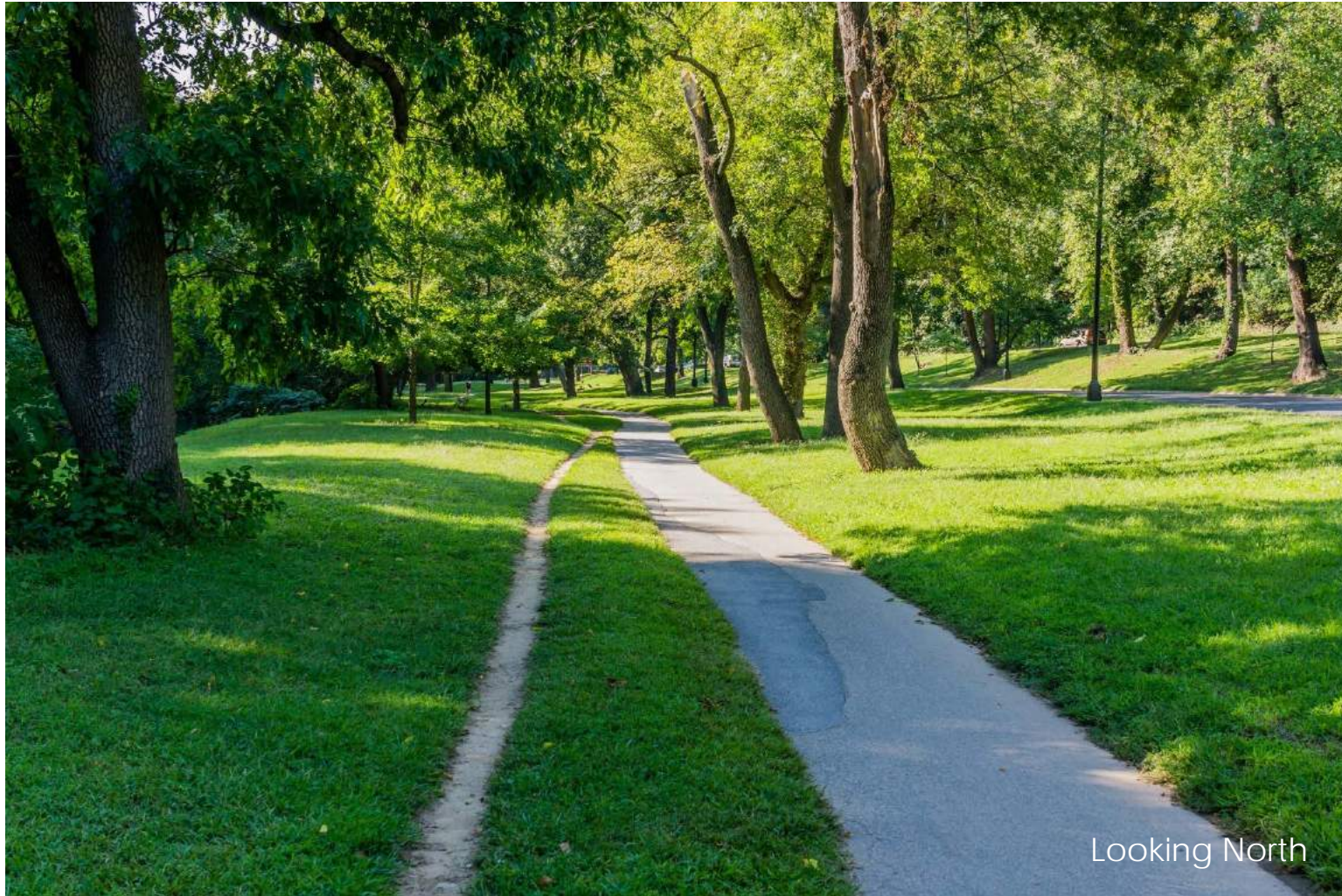


Looking South



# Project Overview: Multi-Use Trail

Existing Trail, North of Lyons Mill Footbridge



Looking North



# Project Overview: Multi-Use Trail

## Proposed Trail, North of Lyons Mill Footbridge



Looking North



# Project Overview: Multi-Use Trail

Existing Trail, North of Saddle Club Footbridge



Looking Northeast



# Project Overview: Multi-Use Trail

Proposed Trail, North of Saddle Club Footbridge





# Project Overview: Multi-Use Trail

## Existing Trail, North of Porter Street NW



Looking South



# Project Overview: Multi-Use Trail

## Proposed Trail, North of Porter Street NW





# Project Overview: Multi-Use Trail

Existing Trail, South of Broad Branch Rd NW





# Project Overview: Multi-Use Trail

Proposed Trail, South of Broad Branch Rd NW





# Project Overview: Multi-Use Trail

Existing Trail, Piney Branch Trail at 16<sup>th</sup> Street NW





# Project Overview: Multi-Use Trail

Proposed Trail, Piney Branch Trail at 16<sup>th</sup> Street NW



Looking West



# Project Overview: Multi-Use Trail

Klinge Valley Trail – Opened Sat. 6/24





# Project Overview: Pedestrian Bridge

- Precast concrete, single span, double-T section
- Two abutments on spread footings, stone facades
- Post & cable railing, 54" height
- Deck lighting
- Designed to withstand major flooding

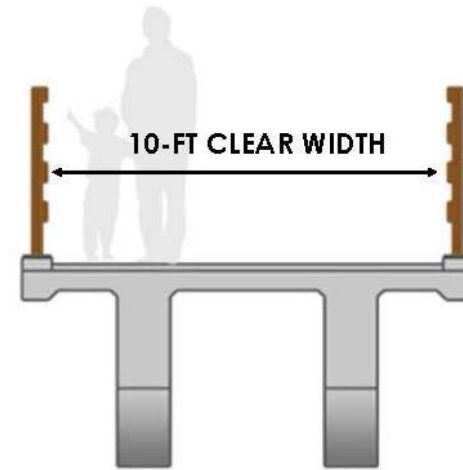




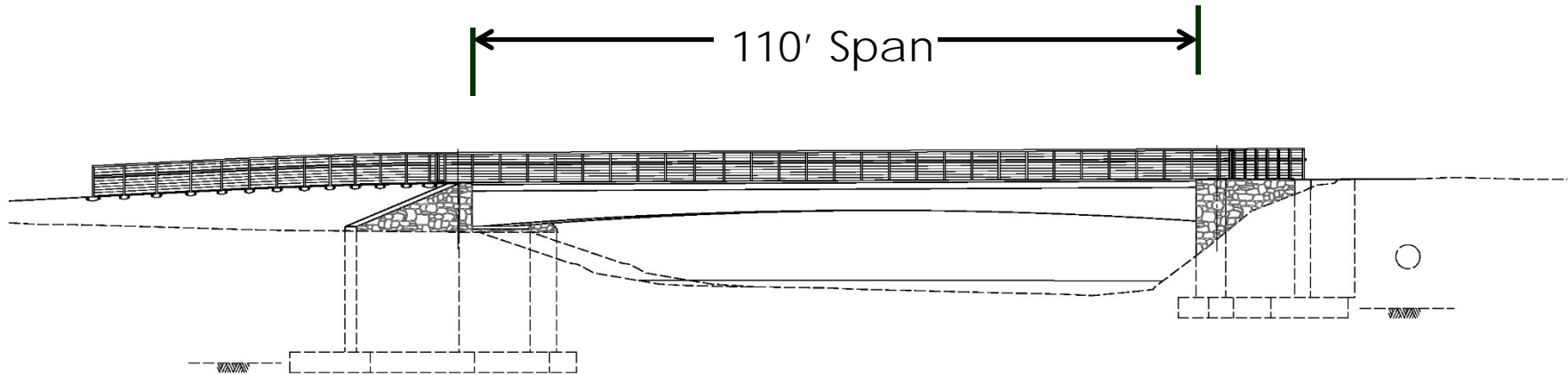
# Project Overview: Pedestrian Bridge

## Pedestrian Bridge

- 10' Clear width
- 11-1/2' Out-to-Out
- 110' span



Section View



Elevation View from downstream



# Project Overview: Pedestrian Bridge

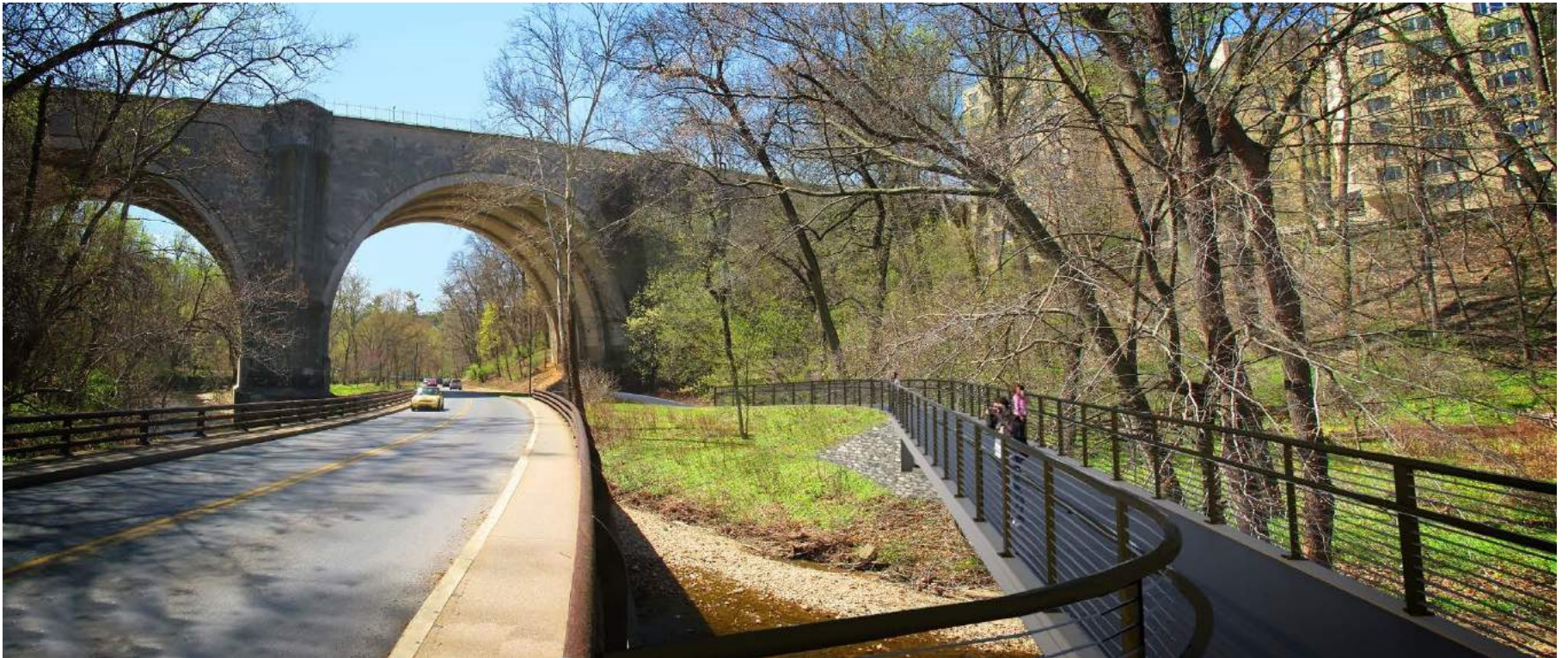
## Elevation View





# Project Overview: Pedestrian Bridge

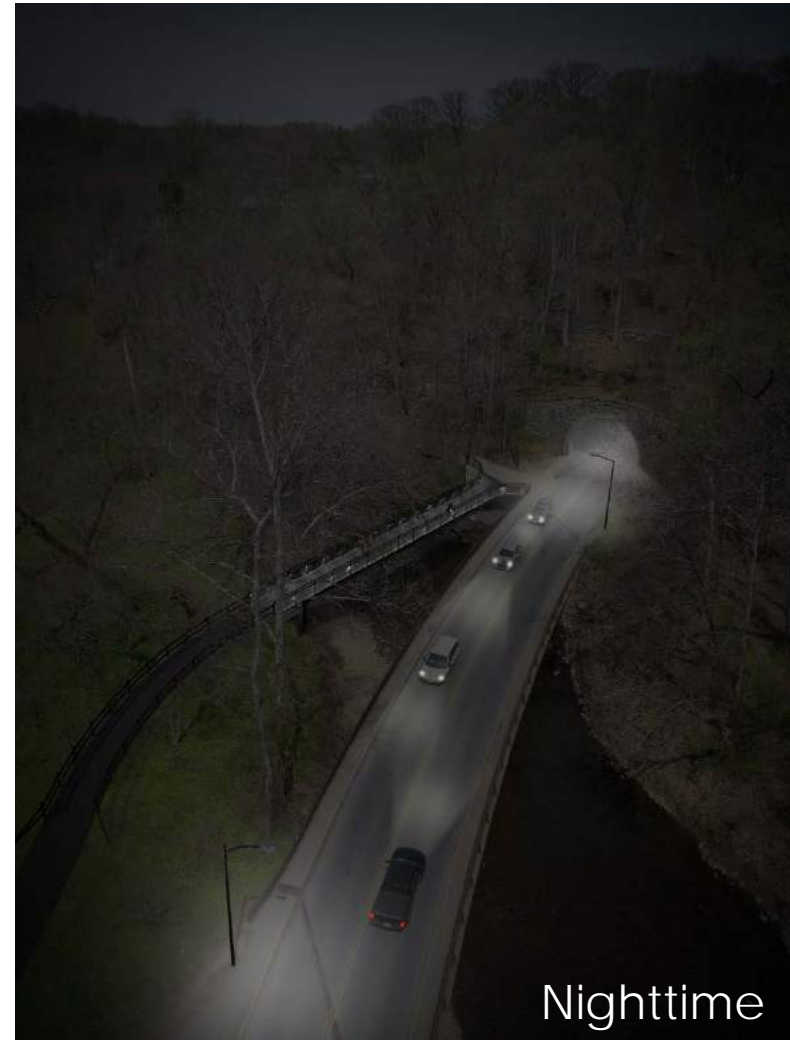
## Deck View





# Project Overview: Pedestrian Bridge

## Aerial Views





# Project Overview: Pedestrian Bridge

## Abutment and Span Detail View





# Project Overview: Additional Elements

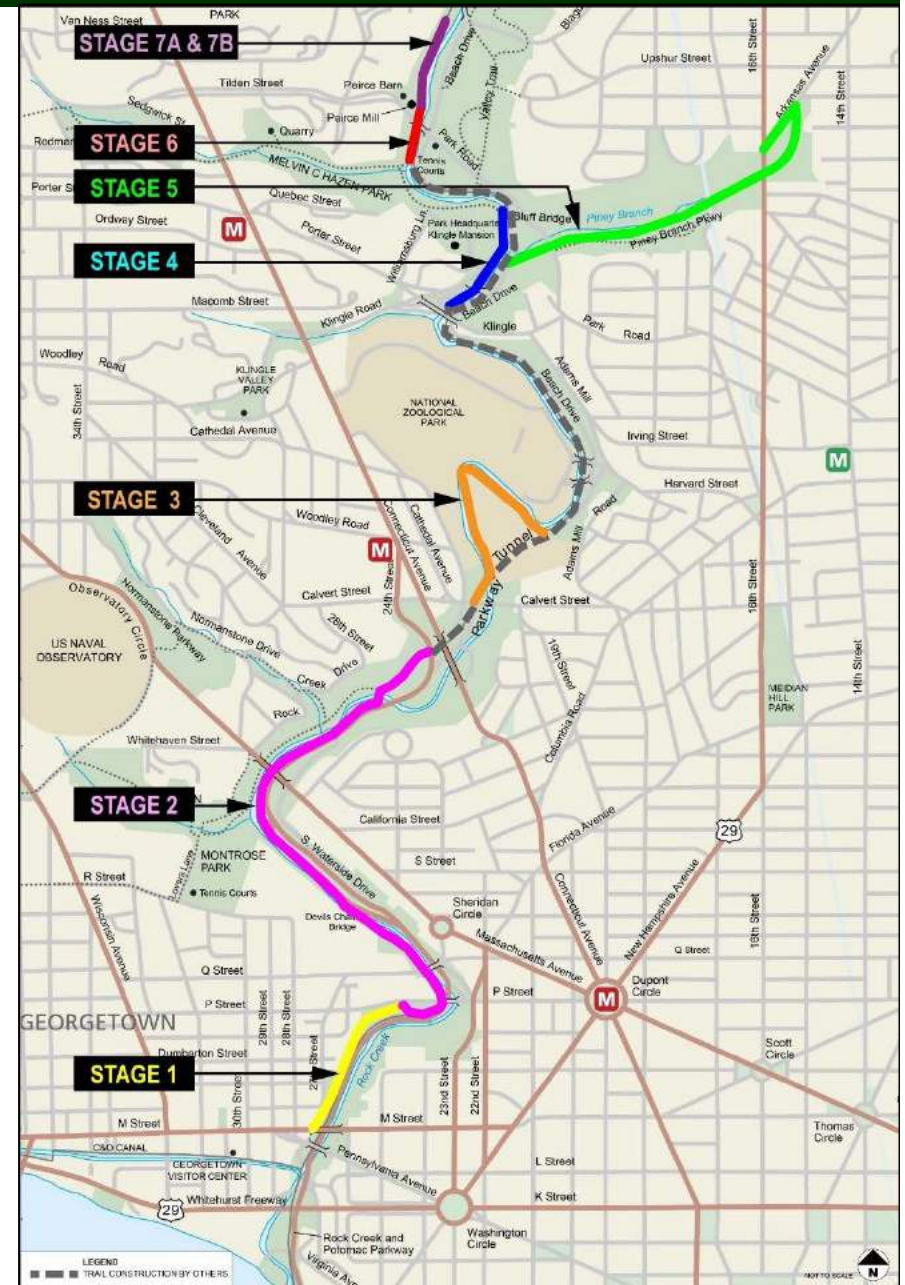
- Drainage improvements
- Storm Water Management BMPs
- Piney Branch Retaining Wall repair
- Bank stabilization
- Landscape plantings
- Tree protection & removals
- Erosion and Sediment Control
- Lighting relocations and improvements
- Signing & Marking (including wayfinding)
- Fences





# Detours and Closures

- Stages 0 - 7
- 21 – 24 month construction duration
- Proceed from south to north
- No lane closures in peak hours
- Avoid conflicts with Beach Drive NW reconstruction





# Detours and Closures: Stage 0

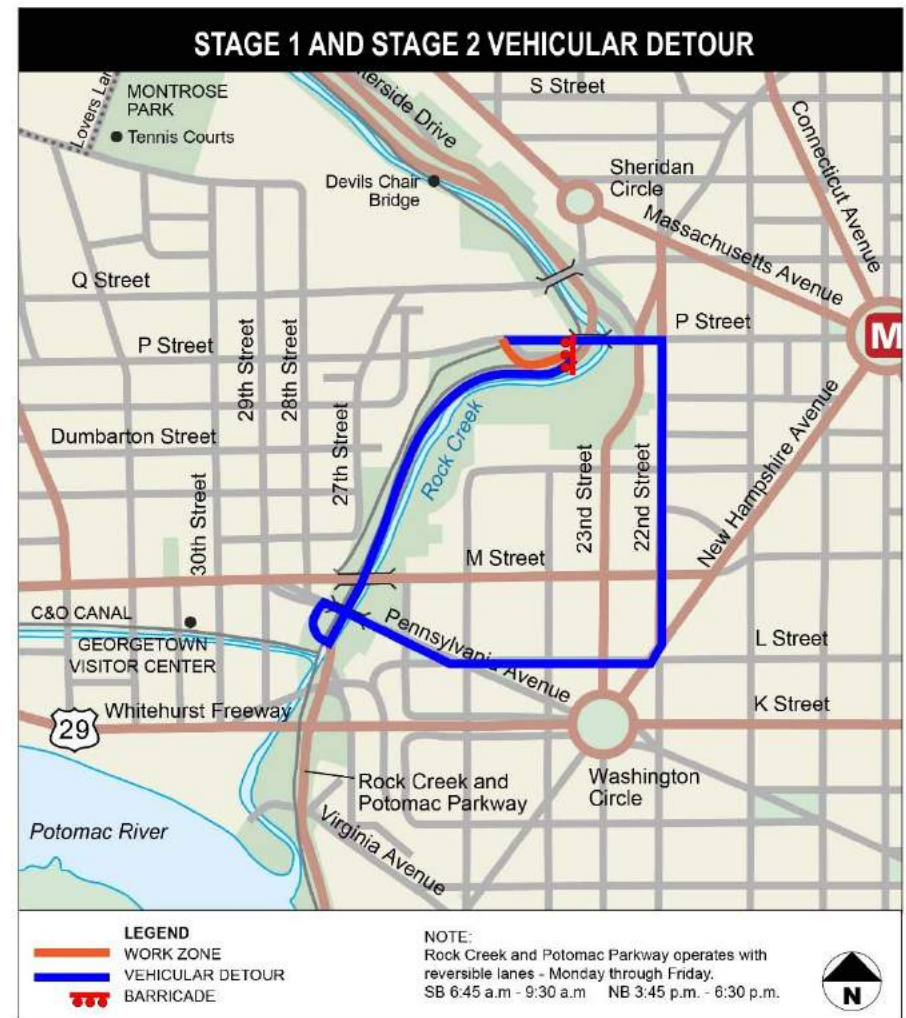
- Mobilization
- Submittals
- Review and approvals
- Fabrication & Delivery of Materials
- 3 – 4 months





# Detours and Closures: Stage 1

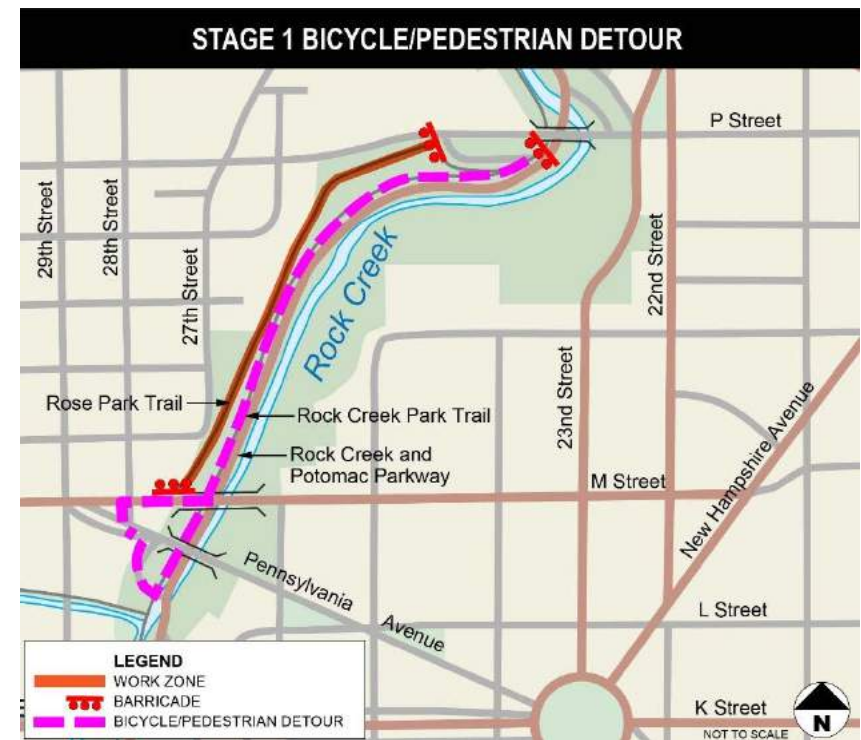
- **Duration: 2-3 months**
- Impacts to Motorists
  - Maintain one lane along P Street NW ramp; close ramp to traffic existing Rock Creek & Potomac Parkway SB;
  - Signed detour route: Penn. Ave NW, L Street NW, 22<sup>nd</sup> Ave NW
  - Unsigned detour route: RCPP to K Street NW, 29<sup>th</sup> Street NW





# Detours and Closures: Stage 1

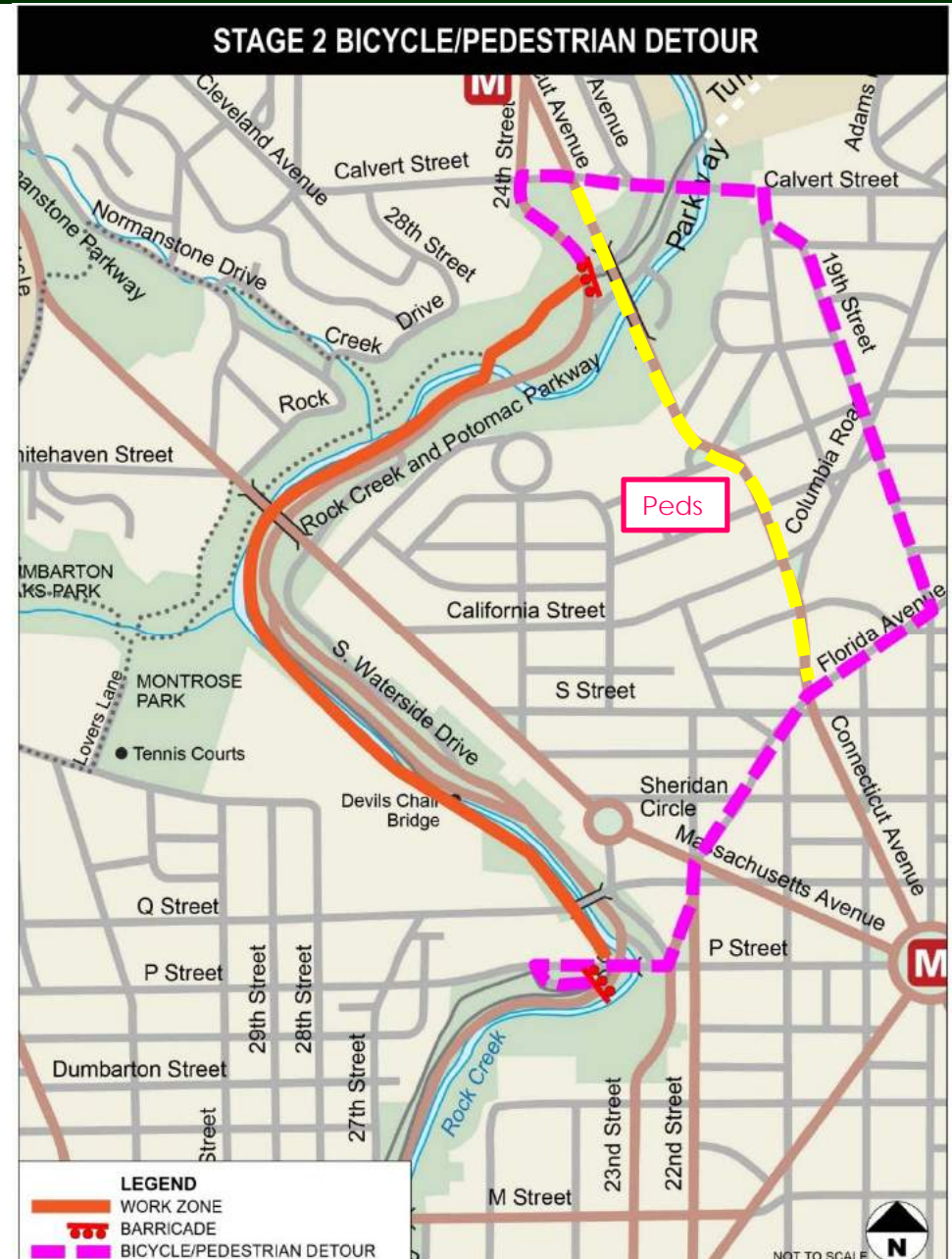
- Impacts to Bikes/Peds
  - Close Rose Park Trail
  - Signed detour route: RCPT to Pennsylvania Ave NW ramp
  - Unsigned detour routes available along neighborhood sidewalks to the west





# Detours and Closures: Stage 2

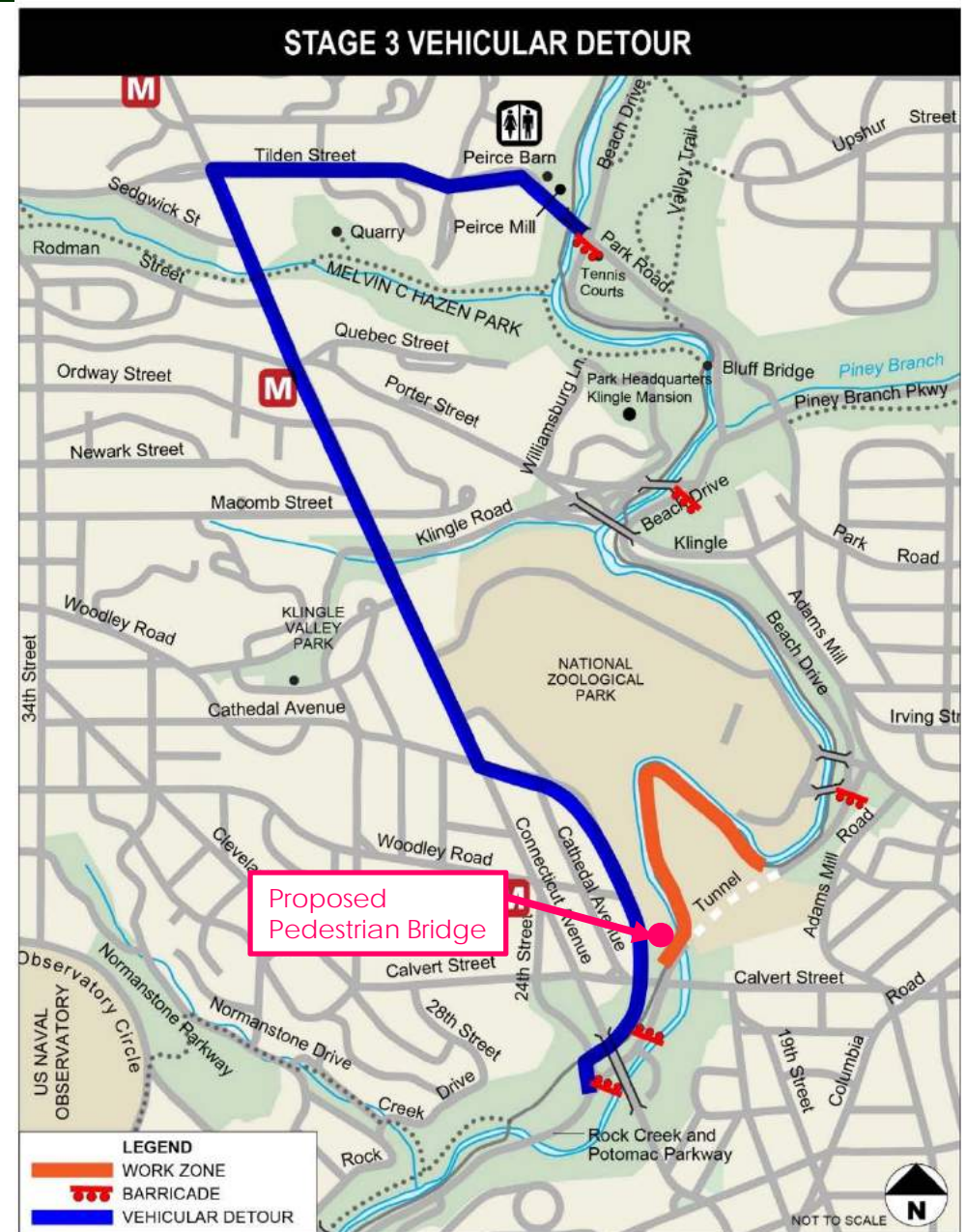
- **Duration: 4-6 months**
- Impacts to Motorists
  - Rock Creek & Potomac Parkway: off-peak lane closures
- Impacts to Bikes/Peds
  - Close RCPT from P Street NW to Shoreham Dr NW
  - Signed detour route: Florida Ave NW, 19<sup>th</sup> St NW, Calvert St NW
  - Unsigned detour route: Through Dumbarton Oaks Park/Montrose Park





# Detours and Closures: Stage 3

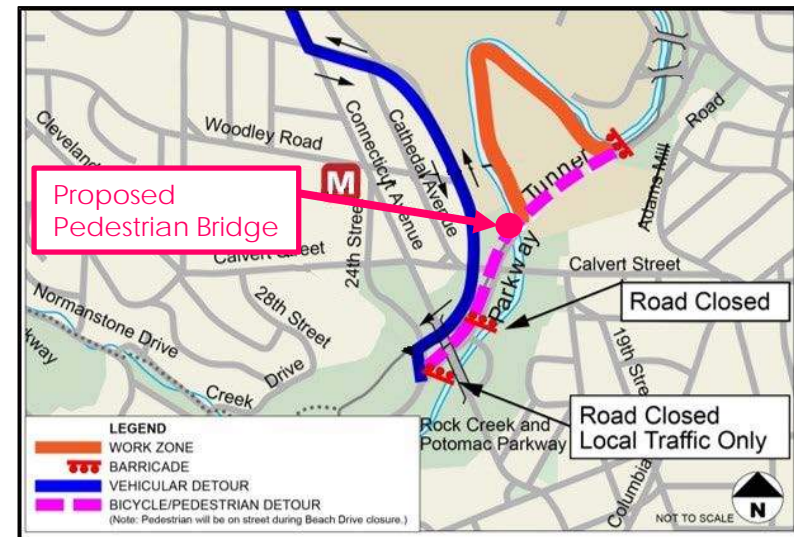
- **Duration: 2-4 months**
- Impacts to Motorists
  - Beach Drive NW: off-peak closures
  - Signed detour route: Tilden St NW, Connecticut Ave NW, Cathedral Ave NW
  - Detour is currently active for Beach Drive NW reconstruction project





# Detours and Closures: Stage 3

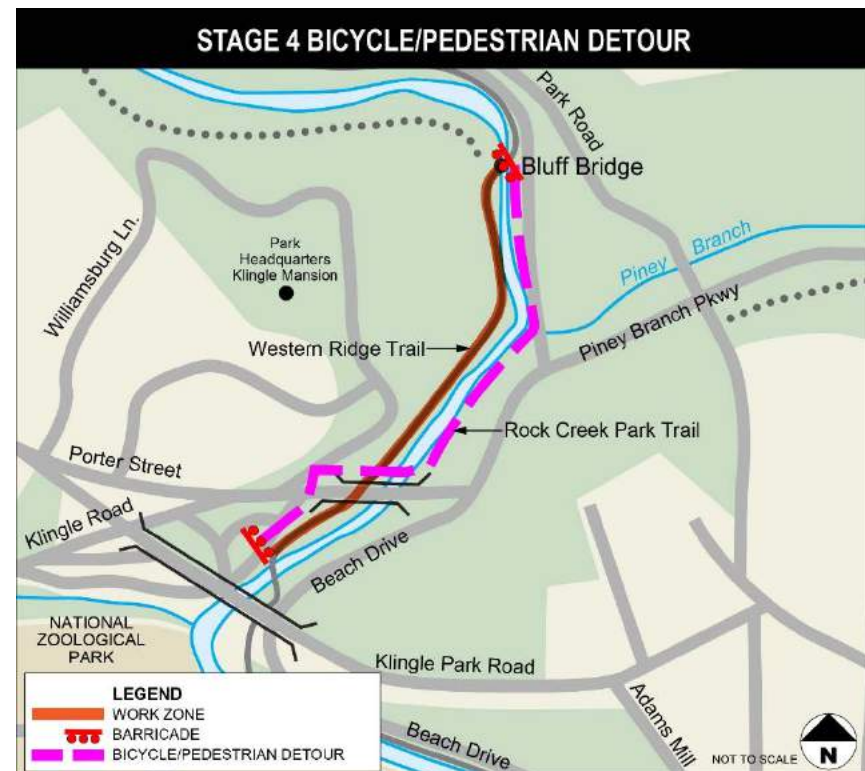
- Impacts to Bikes/Peds
  - Close Zoo loop trail
  - Bikes/peds use tunnel sidewalk
  - During Beach Drive NW closures for ped bridge construction, bikes/peds to use roadway





# Detours and Closures: Stage 4

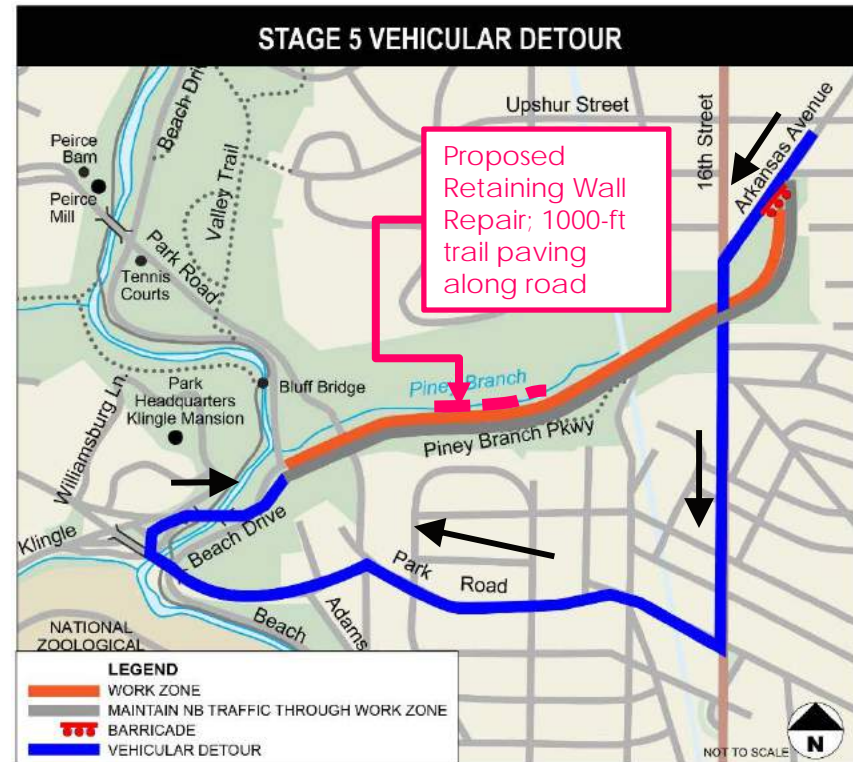
- **Duration: 2-4 months**
- Impacts to Motorists:  
N/A
- Impacts to Bikes/Peds
  - Close Western Ridge Trail from Porter Street NW to Bluffs Footbridge
  - Use new trail along Beach Drive NW, currently under construction by EFLHD





# Detours and Closures: Stage 5

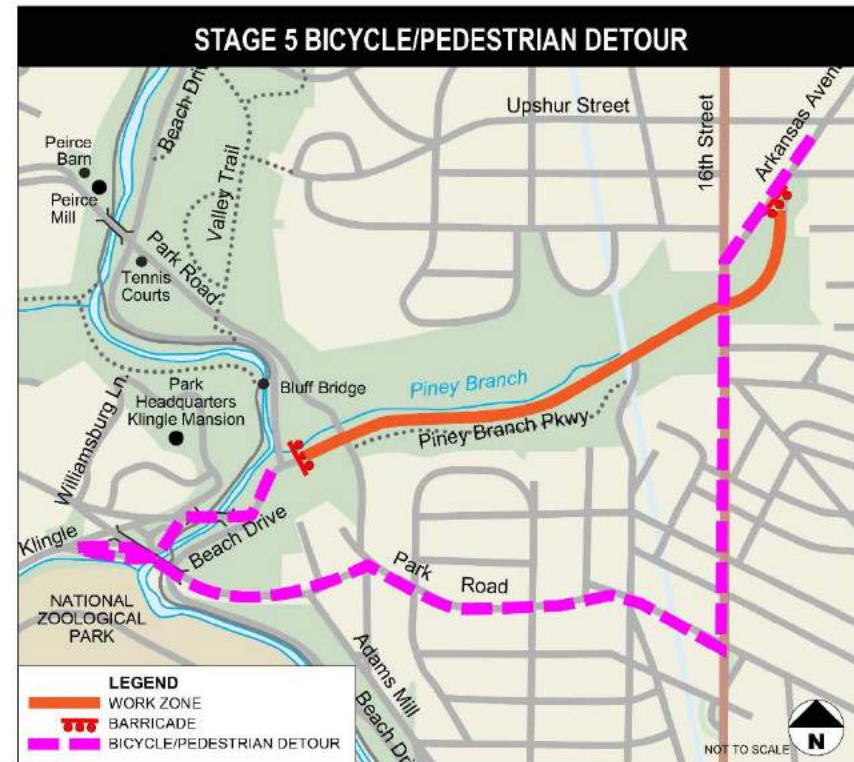
- **Duration: 4-6 months**
- Impacts to Motorists
  - Close Piney Branch Parkway NW to WB traffic; maintain EB traffic
  - Signed detour route: 16<sup>th</sup> St NW, Park Rd NW, Klinge Rd NW, Porter St NW





# Detours and Closures: Stage 5

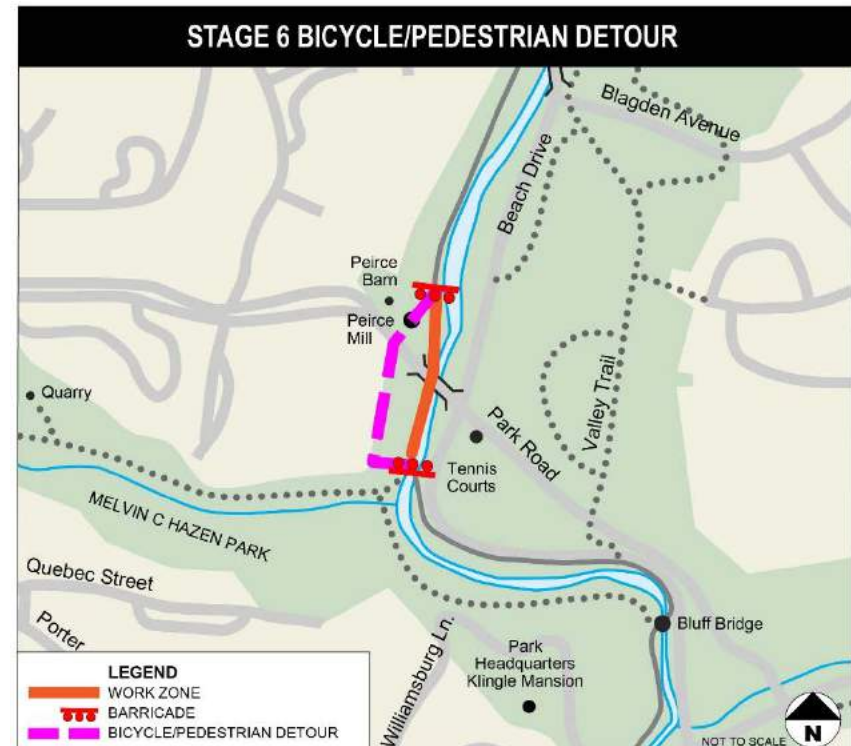
- Impacts to Bikes/Peds
  - Close Piney Branch social trail
  - Signed detour route: 16<sup>th</sup> St NW, Park Rd NW, Klinge Rd NW, Porter St NW
  - Unsigned route available through woods south of parkway





# Detours and Closures: Stage 6

- **Duration: 2-3 months**
- Impacts to Motorists:  
N/A
- Impacts to Bikes/Peds
  - Close RCPT from Grove 1 picnic area to Peirce Mill
  - Install temporary turf-decking trail; utilize Tilden Street NW raised crosswalk





# Detours and Closures: Stage 6

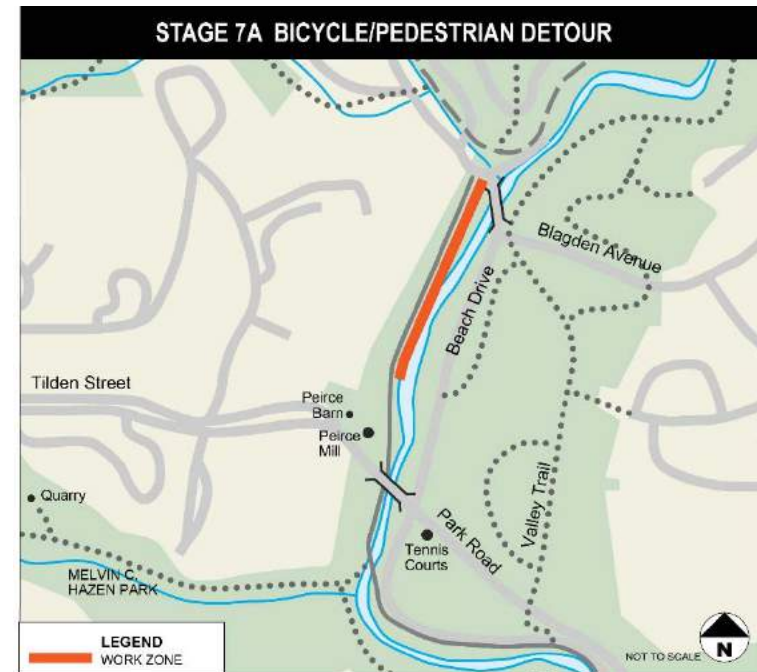
- Turfdeck - Temporary trail solution
- Stage 6 bypass route





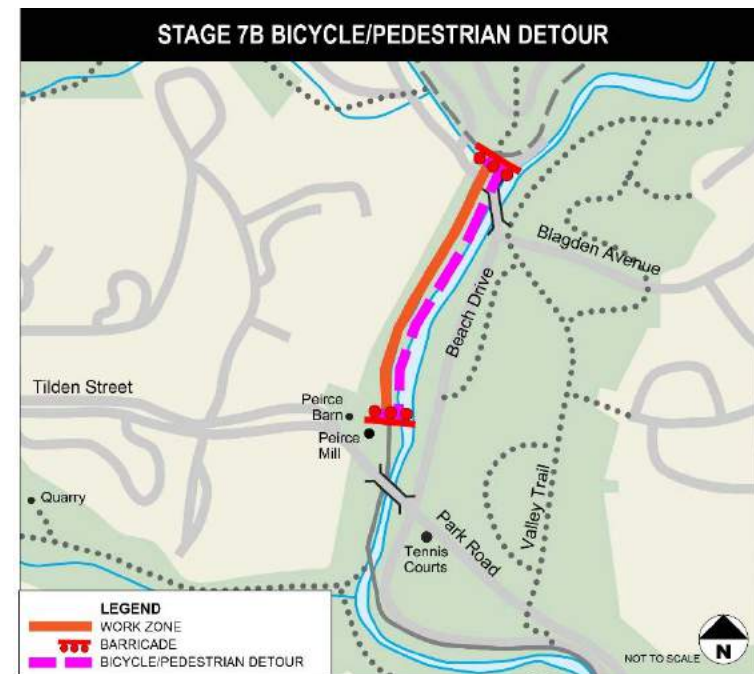
# Detours and Closures: Stage 7A

- **Duration: 1-2 months**
- Impacts to Motorists:  
N/A
- Impacts to Bikes/Peds
  - Close social trail from Peirce Mill to Broad Branch Rd NW
  - Bikes/peds use existing trail from Peirce Mill to Grove 2 parking lot



# Detours and Closures: Stage 7B

- **Duration: 1 month**
- Impacts to Motorists: N/A
- Impacts to Bikes/Peds
  - Close existing trail from Peirce Mill to Grove 2 parking lot
  - Bikes/peds use new trail from Peirce Mill to Broad Branch Rd NW





A photograph of a park scene. In the foreground, a large, leafless tree stands prominently. To its left is a small, single-story brick building with a dark roof. In the background, a group of people is gathered on a grassy field, and several cars are parked. The sky is overcast and grey. The text "Q&A/Discussion" is overlaid in white at the bottom right.

Q&A/Discussion





Zahra Dorriz, PE  
Project Manager  
District Dept. of Transportation  
Phone: 202-671-4584  
Email: zahra.dorriz@dc.gov

Website:  
<http://ddot.dc.gov/page/rock-creek-park-multi-use-trail-rehabilitation-project>

