



Mt Washington Landslide Mitigation

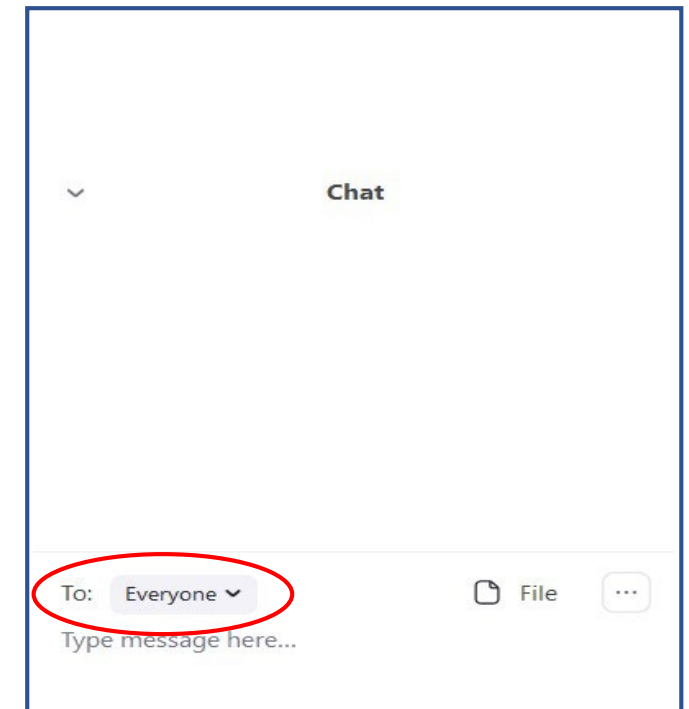
William Street

Tuesday April 25, 2023

Housekeeping



- Session is being recorded and will be posted to EngagePGH website
 - Using the Chat Feature to ask questions
 - Dedicated Q&A Segments after presentation
 - Special Accommodations
-
- Technical Difficulties? – Chat Chad Williams
 - Joining by phone ? – *6 - Toggle mute/unmute
*9 - Raise hand



Agenda



1. Introduction
2. Project Background
3. Final Design Overview
4. Project and Construction Timeline
5. Next Steps
6. Questions



Project Team



City of Pittsburgh, Department
of Mobility and Infrastructure
(DOMI)



Pennsylvania Emergency
Management Agency
(PEMA)



FEMA

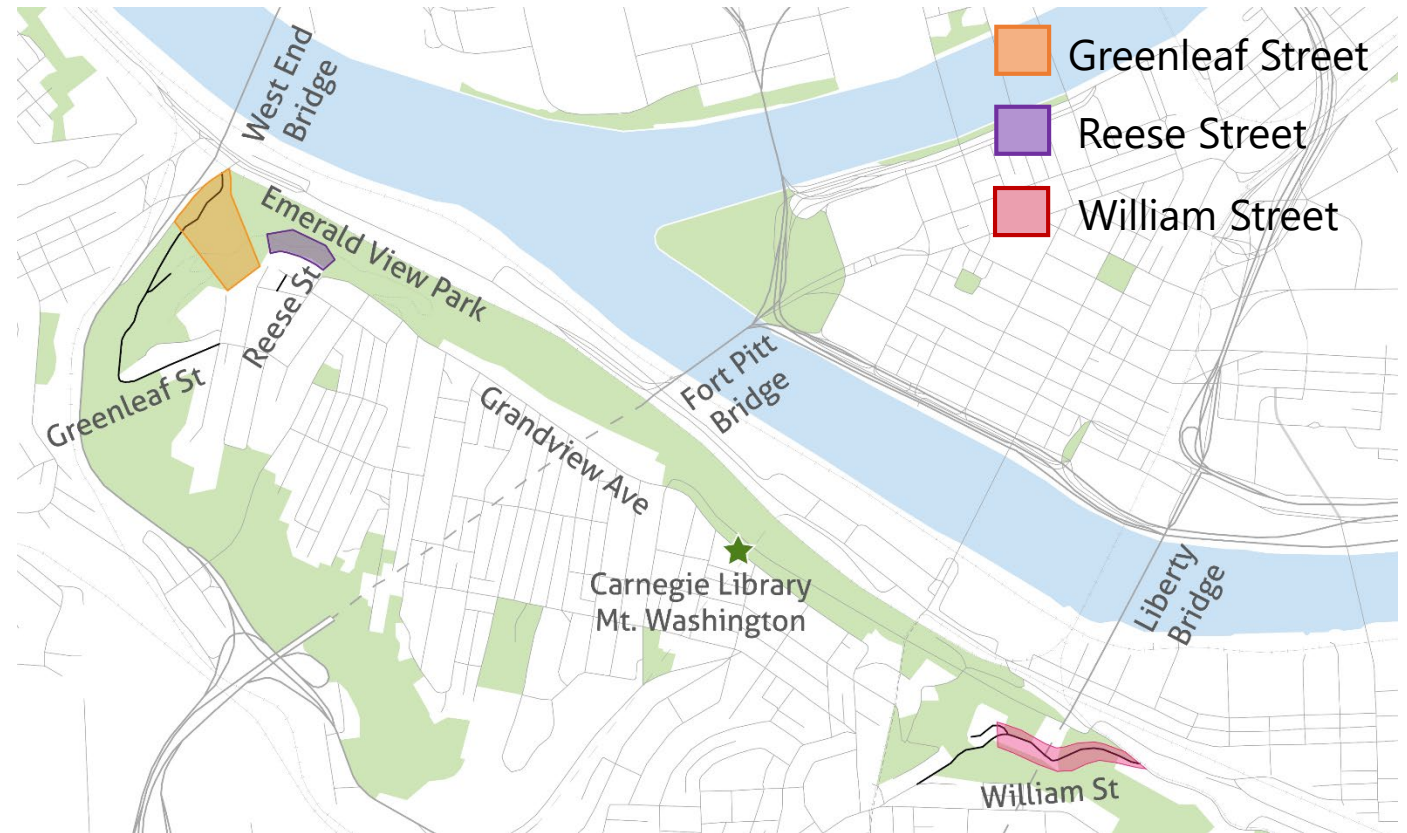
Federal Emergency
Management Agency
(FEMA)



Project Background — Goals



- Stabilize selected slopes to protect
 - Roadways
 - Properties
 - Trails
- Stabilize selected roadways
- Enhance the intersection Cola St & William St
- Consider Emerald Park Master Plan (EPMP)



William Street — Overview



- Traverses Mt. Washington from Arlington Ave to Bailey Ave
- Crosses over Liberty Tunnel
- Parallels PJ McArdle Roadway



William Street



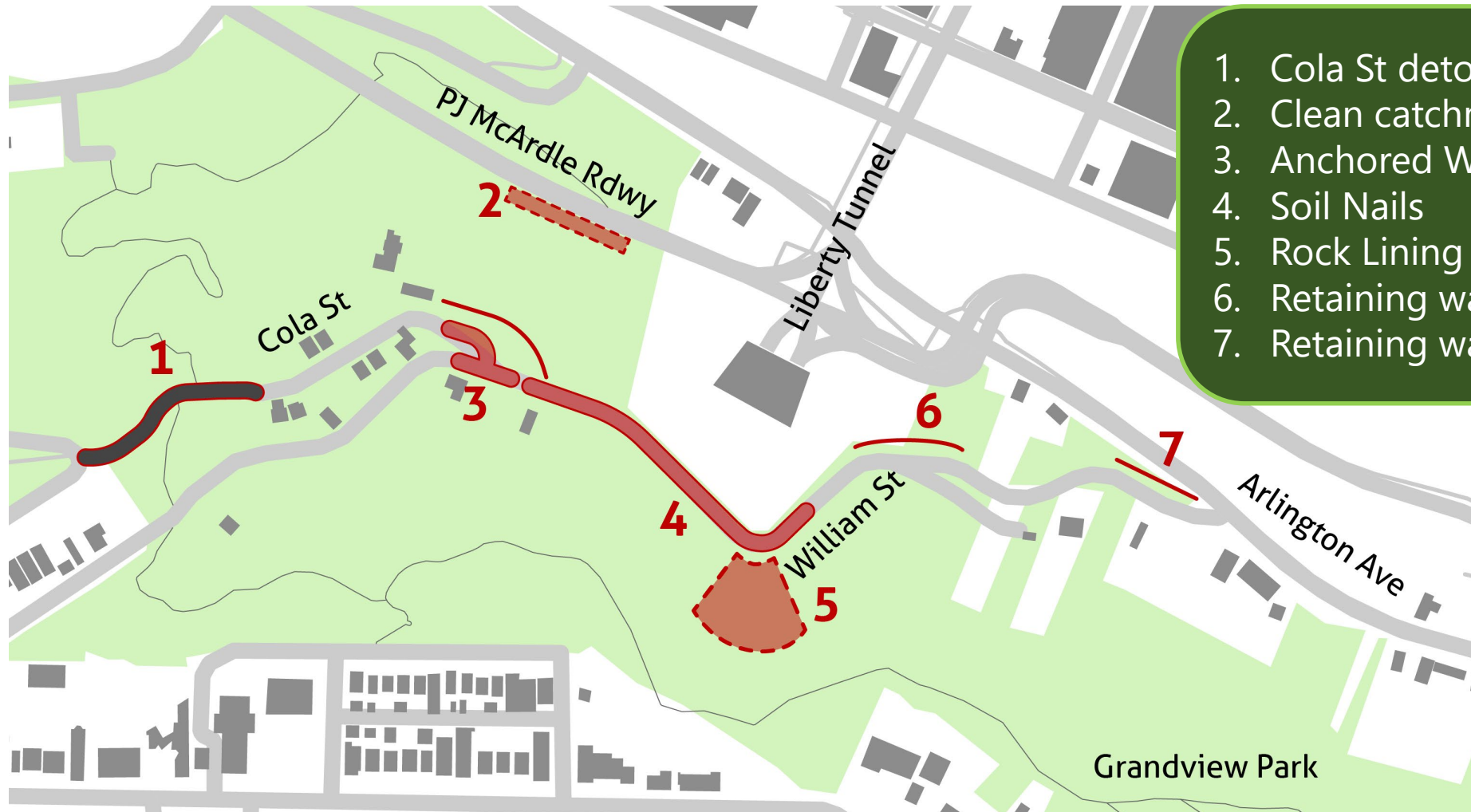
William Street — Rationale



- Aging Infrastructure failure
- Encroaching landslides
- 2018 landslide — finally necessitated closure



William Street — Design Overview



1. Cola St detour
2. Clean catchment ditch
3. Anchored Wall
4. Soil Nails
5. Rock Lining
6. Retaining wall
7. Retaining wall

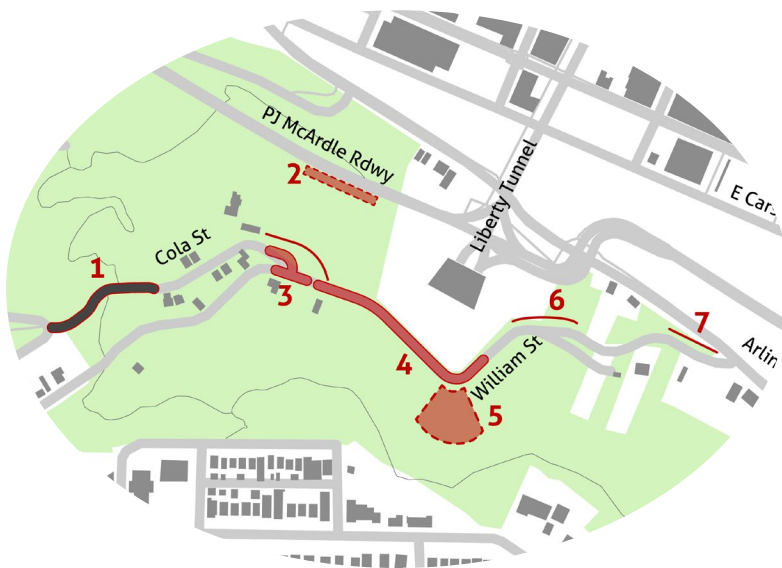


William Street— Temporary Road



Connect Cola-Neff

- Temporary Only – In Grandview Park
- Provides Access to Cola St during construction



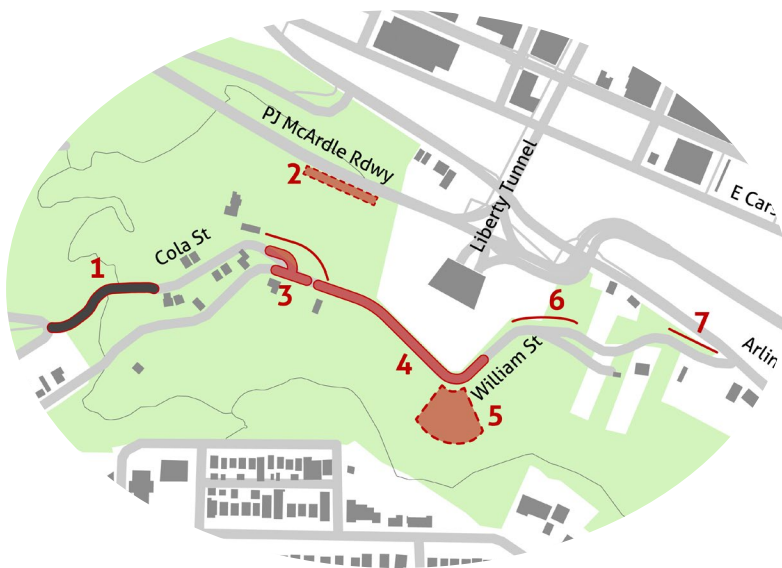
William Street— Mitigation measures



Rock Catchment Ditch

Retains falling rocks

One exists on site already,
it will be cleaned out

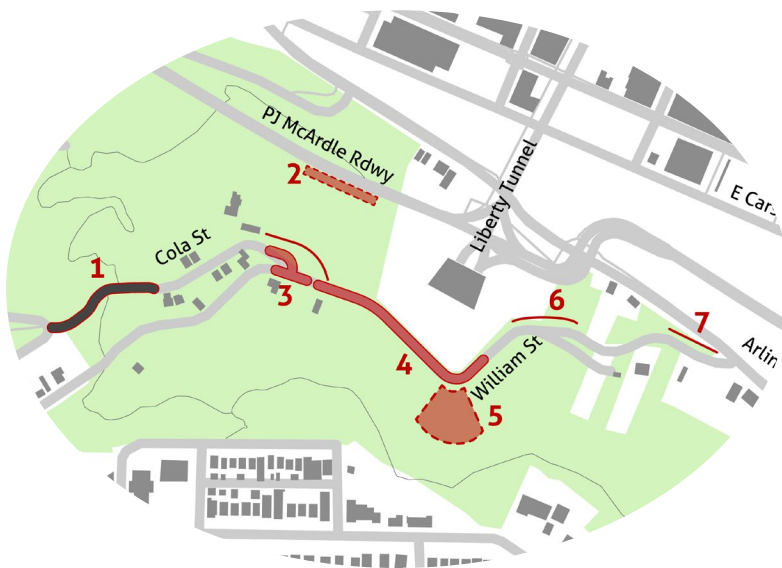


William Street — Mitigation measures



Retaining Wall

Supports grade separations on steep slopes

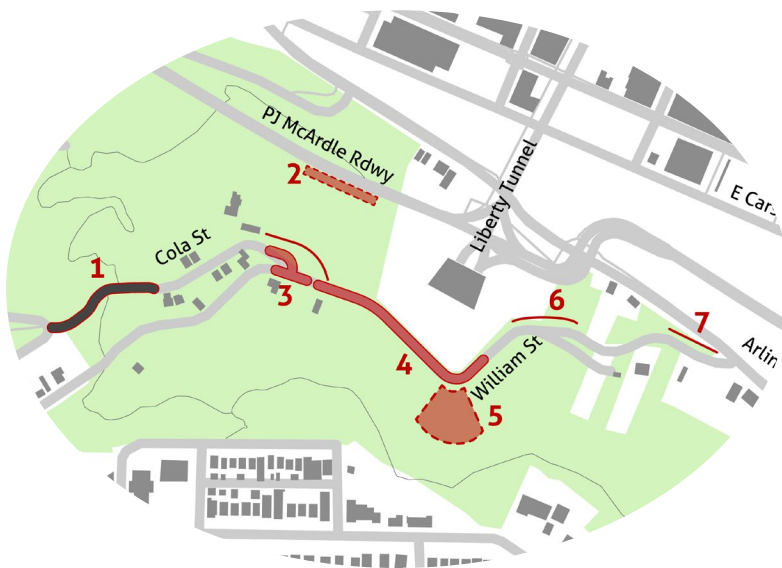


William Street— Mitigation measures



Soil nails

Reinforces steep
soil slopes

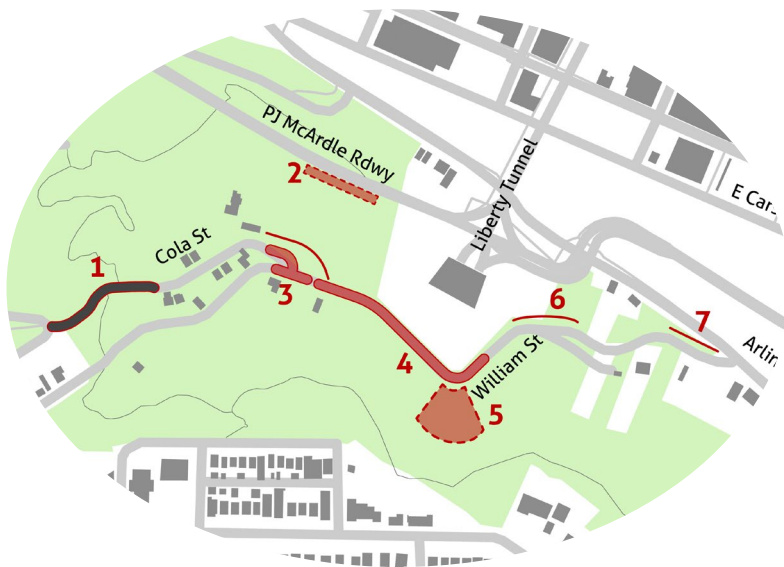


William Street— Mitigation measures



Rock lining

Protects soil from eroding on steep slopes



William Street — Limit of Disturbance



- The limit of disturbance (LOD) is the area in which all construction, material storage, and other related activities may occur
- Tree trimming/cutting will be restricted to the LOD



- [illegible]

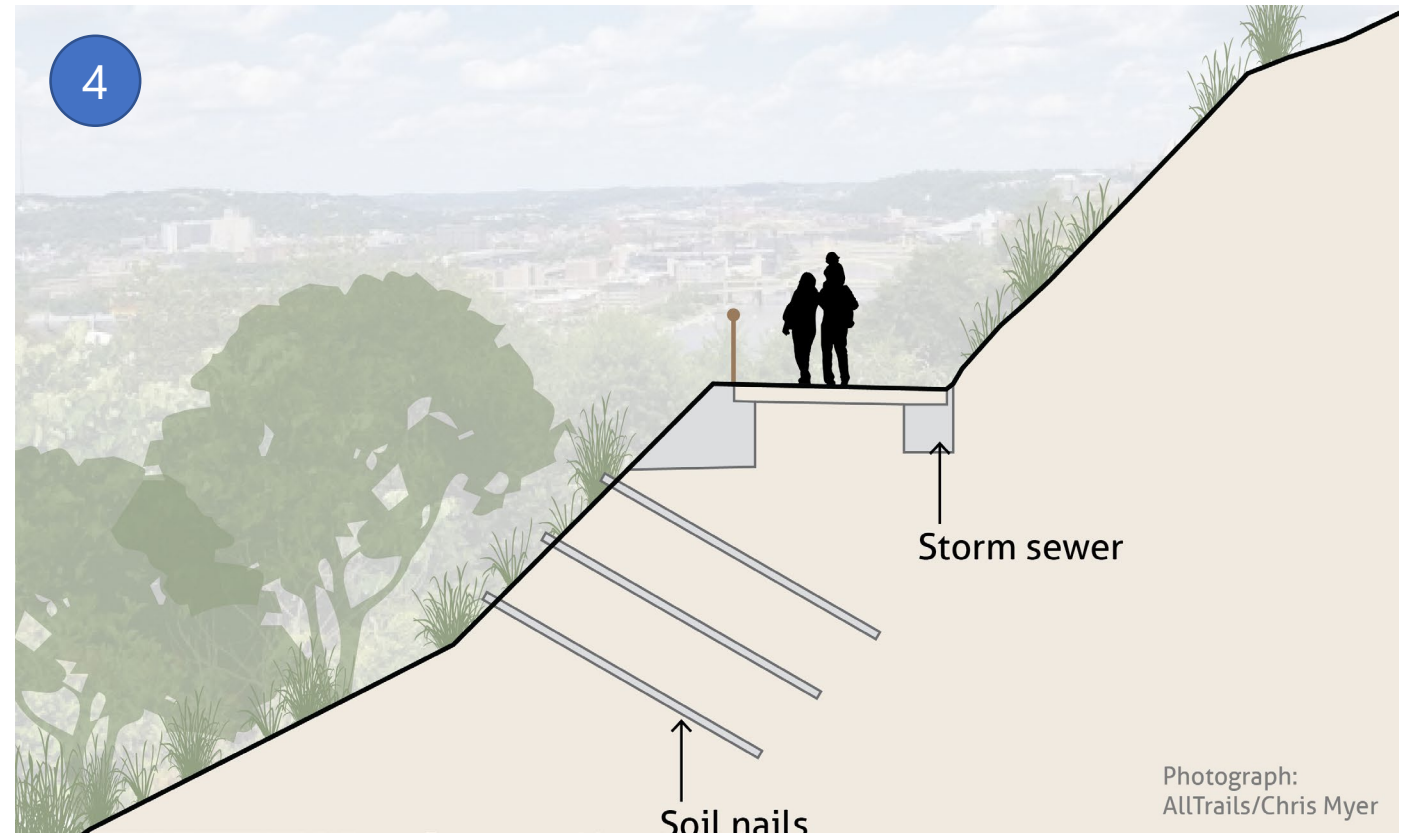
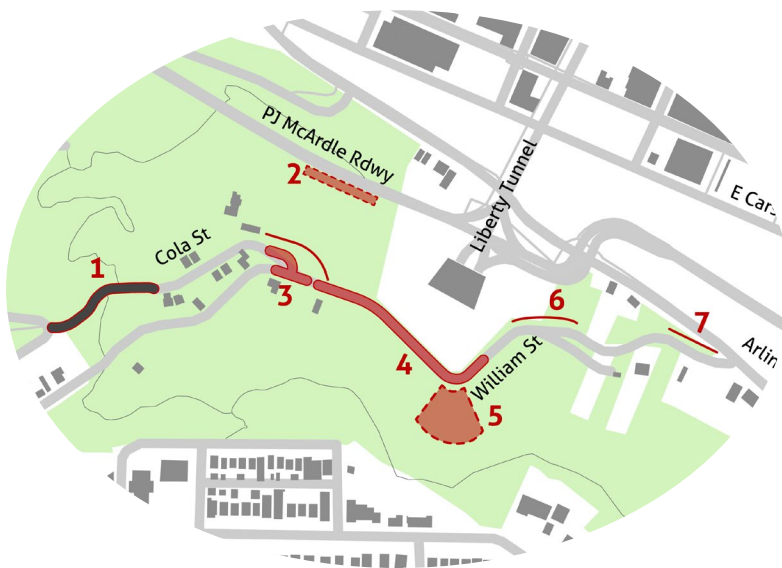
The seal of the City of Pittsburgh is a circular emblem. It features a central shield with a castle on top, a checkered pattern in the middle, and a ship at the bottom. The shield is surrounded by a blue ring with the text "THE SEAL OF THE CITY OF PITTSBURGH" at the top and "1816 · BENIGNO NUMINE ·" at the bottom.

William Street — Converted Trail



William Street Trail, Typical Section

- Stabilize remaining width and establish a Trail for pedestrians / bicycles



Photograph:
AllTrails/Chris Myer

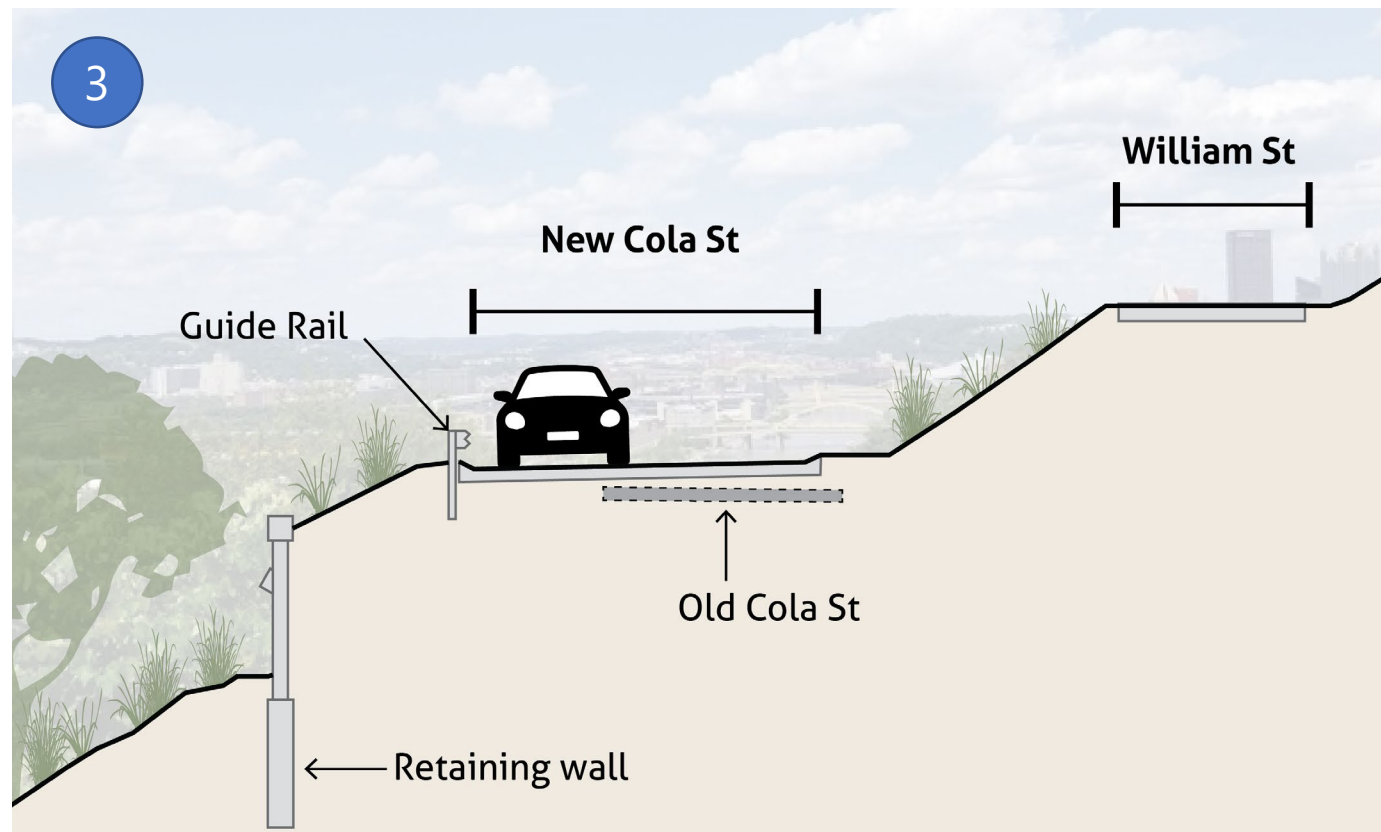
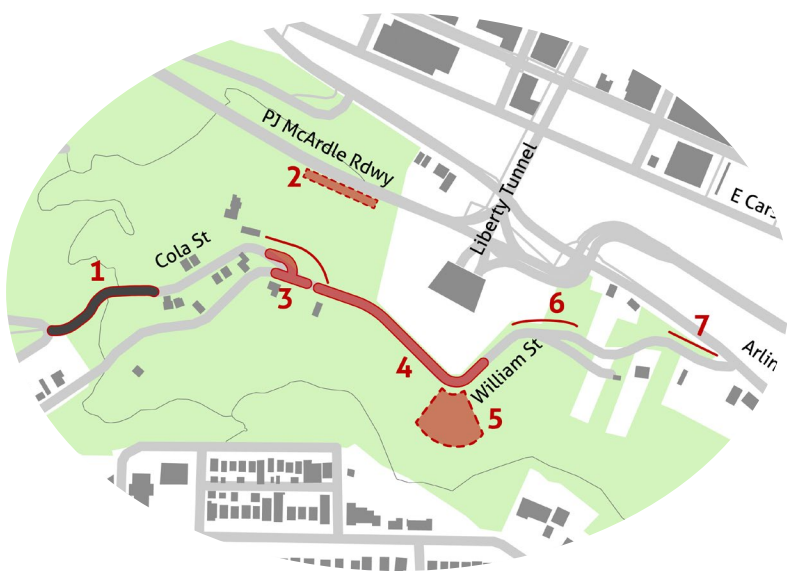


Cola Street— Street Rehab



Cola Street rehabilitation,
typical section

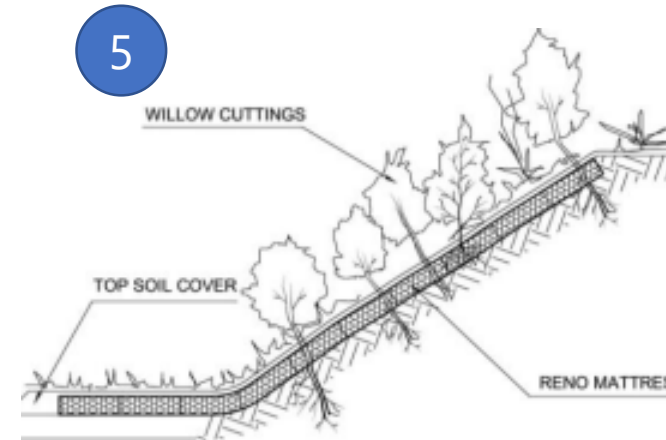
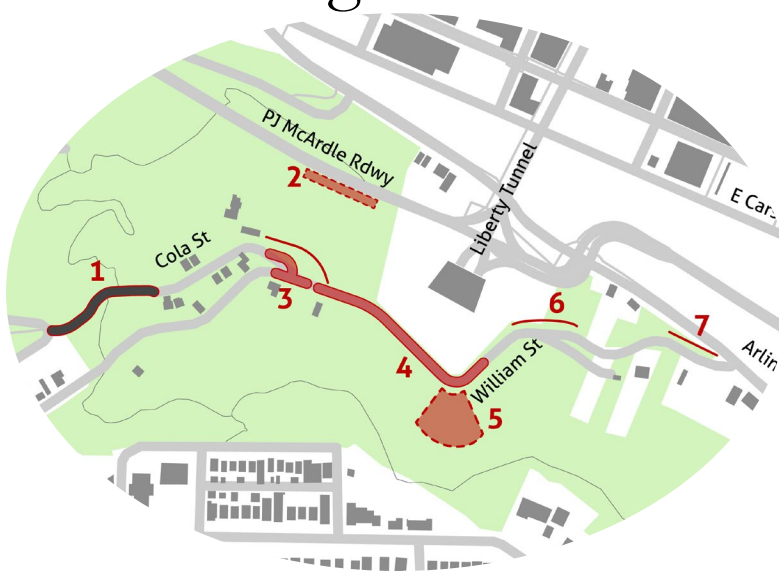
- Anchor retaining wall
- Safety improvements will allow firetrucks to turn onto Cola Street



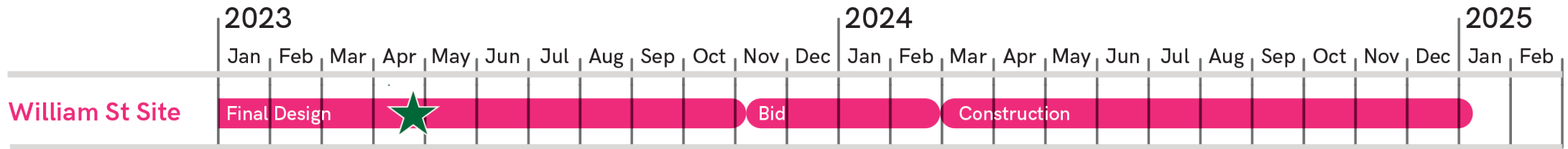
William Street — Ecological Stabilization Elements



- Trees and plantings coordinated with City
- Taller trees planted at base to screen walls
- Live stake plantings on rock linings



Next Steps



- Bid and Contractor selection
 - *Fall/Winter 2023:* William Street
- Construction
 - *Spring/Summer 2024:* William Street



Past Engagement Efforts



- Engage PGH website
 - This website hosts project information and updates, and allows the public to ask project specific questions
 - Access Past public meeting information
 - Virtual public meetings were hosted on March 21, 2022 and March 23, 2022
 - Notifications were sent to property owners and community stakeholders
- Communication with key community groups and stakeholders





Thank you! Questions?

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