# George T. Snyder Trail

**Design Update** 

August 20th, 2020



#### Project Objectives

- Provide a shared-use path from Chain Bridge Road (Route 123) to Draper Drive
- Improve regional trail connectivity.
- Provide a context-sensitive design solution that limits impacts to environmental resources, rightof-way, and utilities.

#### **Project Status**

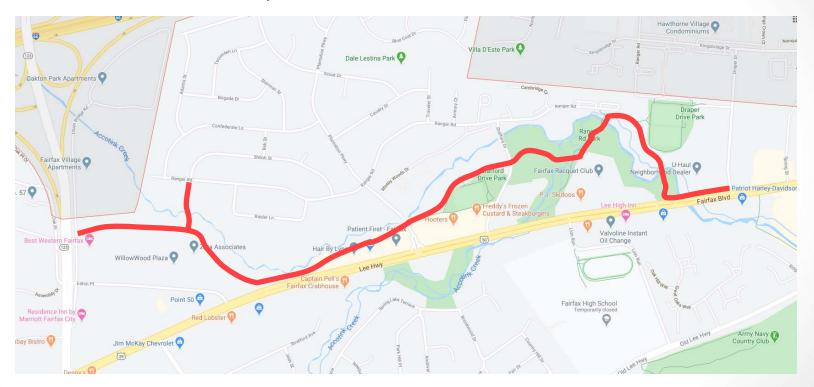
- Design is approaching 65%
  - Trail/Bridge/Retaining Wall Design
  - Hydrology and Hydraulics/Drainage Design
  - Stormwater Management
  - Lighting
  - Landscaping
  - Erosion and Sediment Control

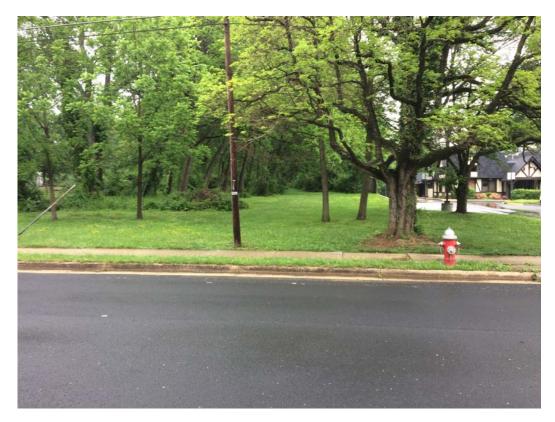
#### Public Outreach

- Four Advisory Group Meetings
  - May 2019, August 2019, December 2019, August 2020
- City Staff Meetings with Stakeholders
  - Mosby Woods, Cambridge Station & Mosby Woods Condominium -August 2020
- Public Hearing September 2020

- Trail
  - •Trail width varies, 8-ft 10-ft wide
- Five trail bridges
- Concrete Boardwalk
- Stormwater Management / Drainage Improvements
  - Swales and inlets
- Lighting
  - At intersections / connections

#### **Project Location**





Beginning of George Snyder Trail, looking east from Old Chain Bridge Road



Existing foot trail, west of Stafford Drive



Location of crossing near Accotink Creek confluence



Looking north from US 50 crossing of Accotink Creek

- Bicycle/Pedestrian Bridges
  - Accotink Creek Four crossings
  - Unnamed Tributary One crossing
  - 14-ft clear width
  - Thru-truss design, weathering steel
  - Concrete decks





- Boardwalk
  - Bridge approaches within floodplain
  - Type and appearance



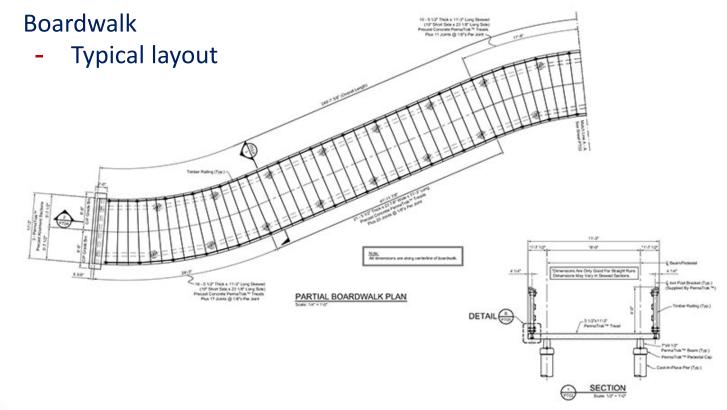






**Site Context** 

Deck: Concrete planks, 14-ft clear width (left), savannah brown color (top right), wood texture (bottom right)



- Boardwalk
  - Railings

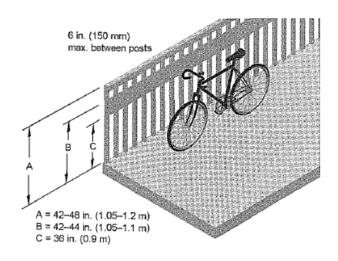


Figure 5-11. Bridge Railing

Source: AASHTO





Aluminum with mesh panels



Stainless Steel with tensioned cable

- Retaining Walls
  - Required between trail and private properties to minimize property impacts
  - Use to limit grading impacts to forested area
  - Segmental block walls
  - Variable Height (3' to 17')



- Lighting
  - Intersections and trail junctions
  - King K703/803 Solitaire w/ flat lense
  - Dark-sky Friendly





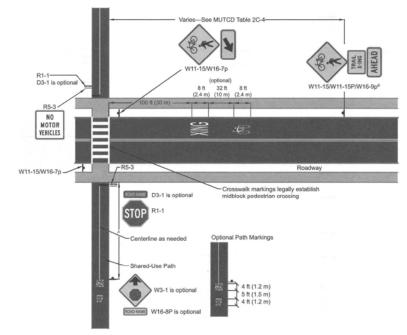
Intersections



Example of raised crosswalk



Typical bollard layout, with center removable bollard



#### Notes:

- Advance warning signs and solid centerline striping should be placed at the required stopping sight distance from the roadway edge, but not less than 50 ft (15 m).
- W11 series sign is required, supplemental plaques are optional.

Figure 5-19. Example of Mid-Block Path—Roadway Intersection—Path is Stop Controlled for Bicyclists

- Safety Considerations
  - Safety railing on retaining walls
  - Use of Crime Prevention Through Environmental Design
    - Trail buffer
    - Line of sight
  - Intersection lighting
- Project Aesthetics
  - Treatment for retaining wall
  - Lighting
  - Landscaping

#### Typical Plant Selection

- Native species
  - Grasses and Perennials
  - Evergreen Shrubs
  - Ornamental Shrubs
  - Small Flowering Trees
  - Large Shade Trees

# Questions?