

Army Navy Drive Protected Bike Lane “Missing Link”

Summary of Engagement #2 – Preliminary Conceptual Design

Spring 2022

Project Background

The Master Transportation Plan’s Bicycle Element calls for this segment of Army Navy Drive to be reconstructed with enhanced bike facilities, providing a safe environment for people walking, biking, using transit and driving. Public engagement on existing conditions was conducted in Summer 2021, and engagement on preliminary design concepts was conducted in early Spring 2022.

Project Goals

This project directly supports the broader goals and imperatives of the Master Transportation Plan, the Pentagon City Sector Plan, and the Crystal City Bike Network. It also seeks to implement the goals of the County’s Complete Streets policy by reducing conflicts between user modes and delivering safety improvements for all street users.

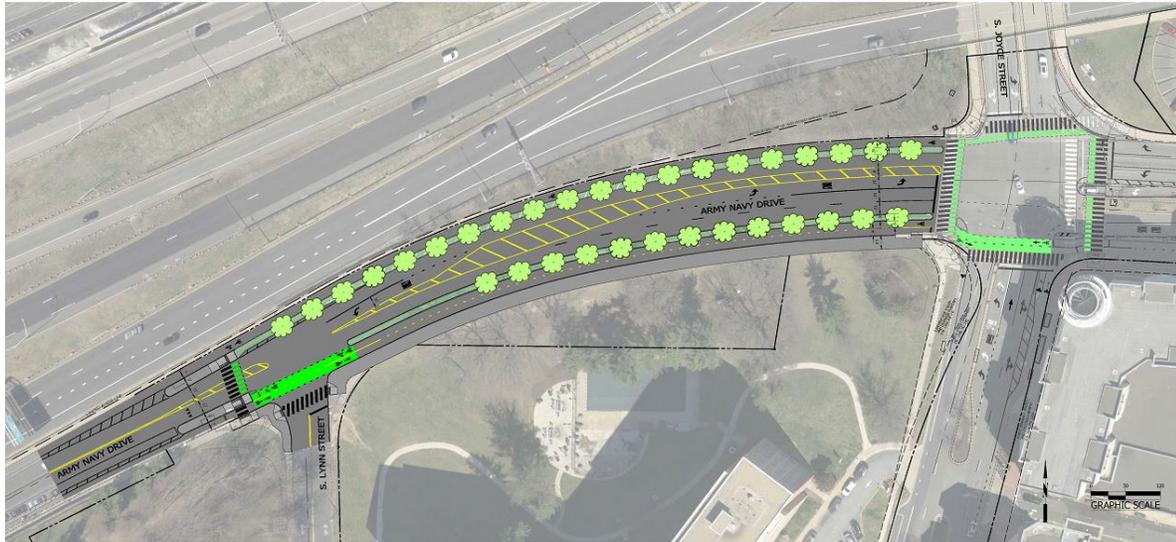
Public Engagement

Online feedback solicited in Summer 2021 enabled the County to gather the community’s input on existing site conditions. This critical phase of public engagement gave the County valuable insights into respondents’ demographics, potential users, and specific impressions, concerns, and views on what works and doesn’t work along this block of Army Navy Drive. A summary of this public engagement is available [here](#). This allowed the County to move into design development in step with community concerns and likely users of the future facility.

In January 2022 the County further engaged the public to share two preliminary conceptual designs, with the aim of selecting and refining a preferred concept to advance for final engineering and construction in late Spring 2022.



Concept 1 features two one-way protected bike lanes in each direction, and floating bus islands at S. Lynn Street.



Concept two features a one-way protected bike lane on the north side, and a two-way cycle track on the south side, continuing the future cycle track planned for the Army Navy Drive Complete Streets project.

What We Heard

The following is a summary of the feedback we received on the preliminary conceptual designs.

Transit/Car Traffic Interactions

- Floating bus island concept is well-received.
- Corner “wedge” element at east end of bus island at Lynn St. is critical; consider increasing footprint of it
- “Floating turn bumpers” help ensure that cars won’t turn corners into the bike lane prematurely

Crossings/Ramps/Signals

- Ensure ped crossings are set for auto-recall (i.e. time-cycled, no pushbutton needed)
- Ensure ped ramps are well-aligned with crosswalks.
- Give car drivers a dedicated left-turn signal.

Streetscape/Bike Facility Design

- Bidirectional cycle track along the south side is very well-received, particularly when coupled with the continuous WB single bike lane on the north side.
- The floating bus island is a key improvement, helping to raise visibility of bike-ped, transit users.
- Retaining existing trees and adding new ones in the median are a highly welcome enhancement.
- Hi-visibility green marking paint is a plus for potential conflict zones

Next Steps

The County anticipates continuing design development through Summer 2022, sharing the final design with the public in late Summer or early Fall 2022. Construction is tentatively slated to commence in Spring 2023 and conclude within approximately 18-24 months.

More Information

Project Page: <https://www.arlingtonva.us/Government/Projects/Project-Types/Transportation-Projects/Army-Navy-Drive-PBL-Missing-Link>

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