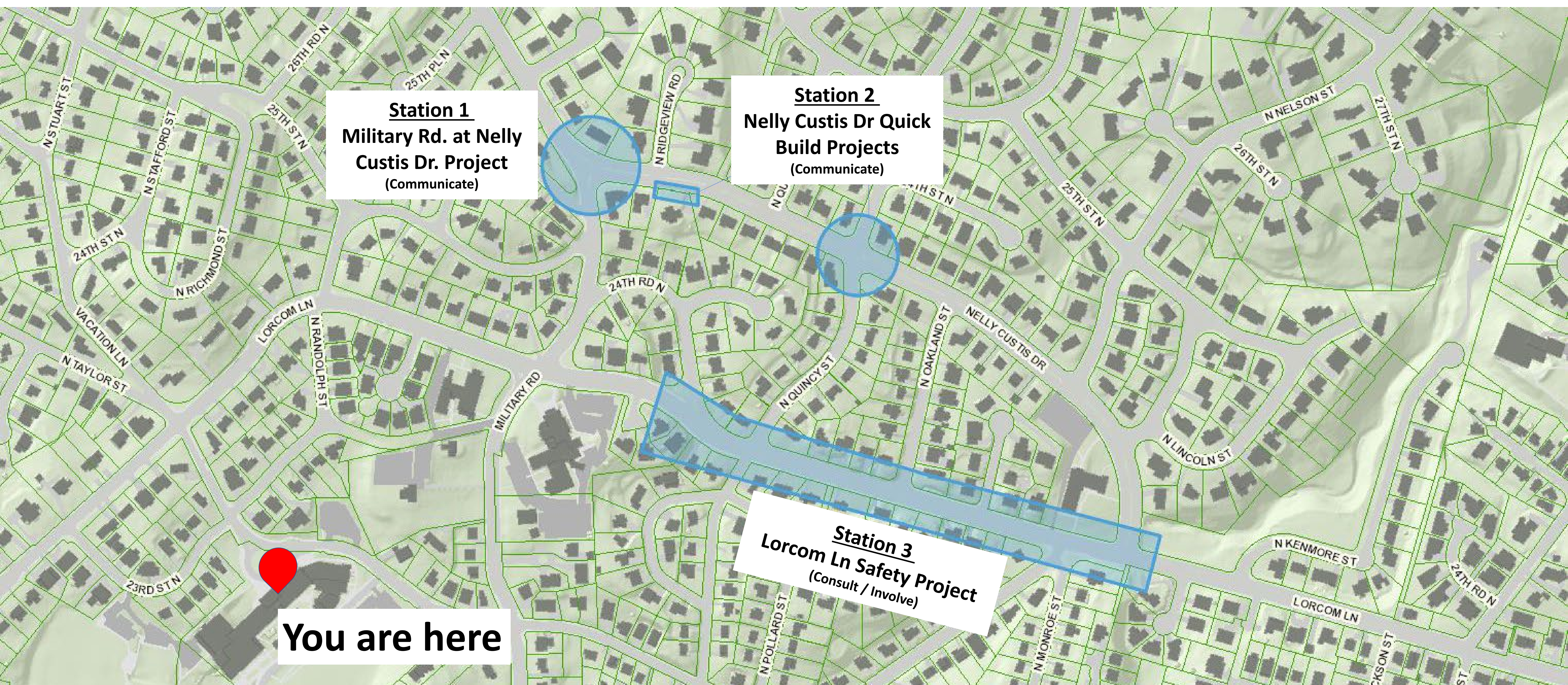


# Welcome to the Transportation Open House:

## Military Rd, Nelly Custis Dr, & Lorcom Ln Projects



**Station 1**  
**Military Rd. at Nelly Custis Dr. Project**  
(Communicate)

**Station 2**  
**Nelly Custis Dr Quick Build Projects**  
(Communicate)

**Station 3**  
**Lorcom Ln Safety Project**  
(Consult / Involve)

**You are here**



# Military Road Safety Project

## Project Basis & Timeline

### Needs at Military/Nelly Custis

This intersection meets the criteria set forth by the MTP and Vision Zero Action Plan for safety interventions and Complete Street improvements for all roadway users.

The safety issues that inform this need are:

- High vehicular speeds and volumes
- Engineering warrant has been met for traffic signal
- Poor intersection geometry
  - Difficult to walk across
  - Sight distance concerns
- Near two schools, part of DHMS school walk zone

### Timeline

- 2015 Grant funding awarded for improvements to Military Rd. between Nelly Custis Dr. and 36<sup>th</sup> Rd.
- 2016 Conceptual alternatives developed
- 2017 Public engagement on conceptual alternatives (signal and roundabout concepts introduced at Nelly Custis/Military)
- 2018 Begin traffic data collection and design
- 2019 Traffic modeling of signal and roundabout
- 2020 Improvements completed at Military Rd. at Marcey Rd. and Military at 36<sup>th</sup> Rd.
- 2021 Roundabout pilot implemented at Military Rd. & Nelly Custis Dr.
- 2022** May - Project update  
October – Conclude pilot study  
*Fall – Share Recommendation & begin design of Military Rd./Nelly Custis Dr. intersection*
- 2024 *Implement improvements at Military Rd. and Nelly Custis Dr.*



# Military Road Safety Project

## What we learned from the Pilot Project

### Safety Data & Analysis

- The pilot project reduced vehicular speeds
- The pilot project increased vehicle yield rates to people walking
- No reported crashes during the pilot period

Design improvements can further reduce vehicular speeds and increase vehicle yield rates to pedestrians while improving user understanding

### Public Input

- Users who reported feeling **safer** reported the benefits of:
  - Better yield rates by vehicles to pedestrians
  - Slower speeds through the intersection
  - Easier operations for traffic flow for southbound Military Road
- Users who reported feeling **less safe** highlighted concerns with:
  - Operational confusion
  - The size of the pilot roundabout
  - Visual clutter from temporary materials

### Pilot Operations

- The pilot project determined that a roundabout is operationally feasible
  - The installation of the pilot roundabout did not lead to excessive vehicle queue lengths

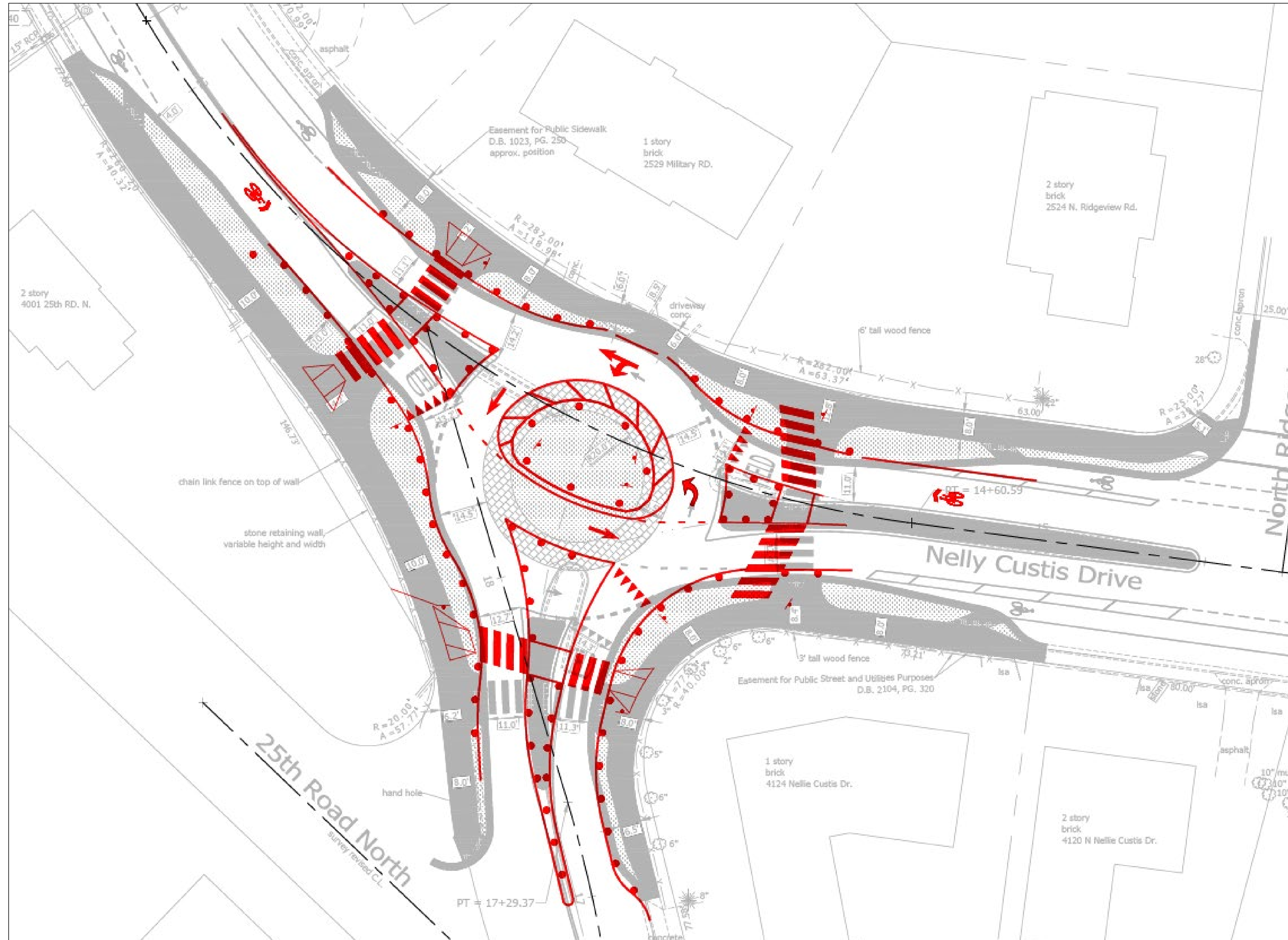
Further design improvements can provide additional accommodation for larger vehicles (i.e. trucks, buses)





# Military Road Safety Project

## Pilot vs Final Design



Pilot Project: 

Final Recommended Design: 



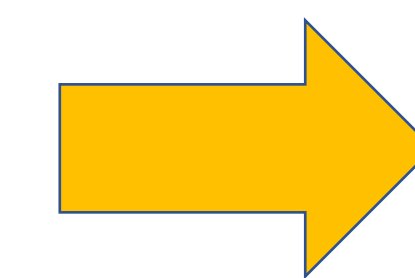
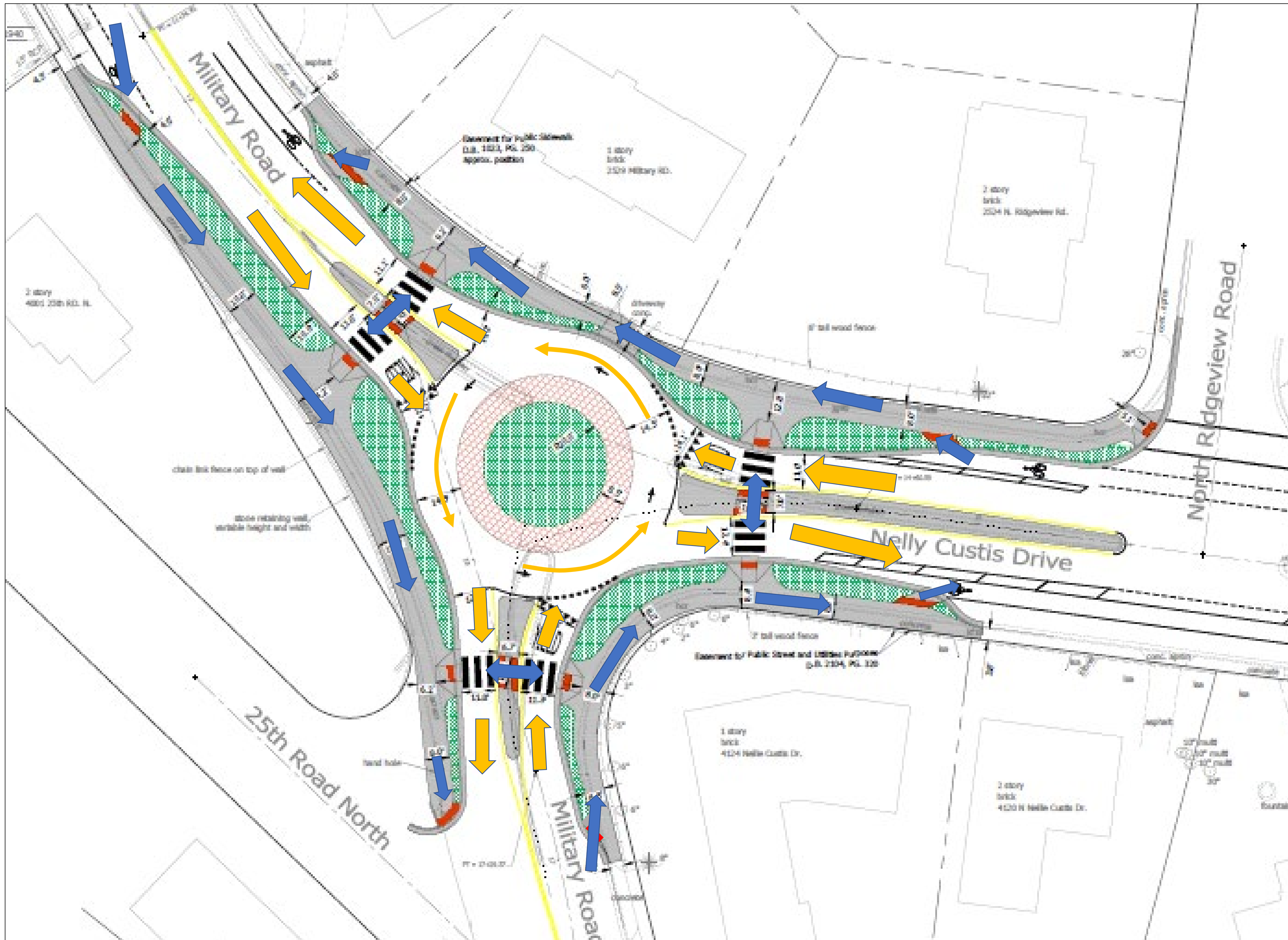




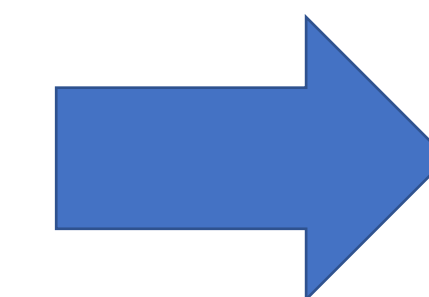


# Military Road Safety Project

## Routing Options for People Biking/Scooting



Route options for people comfortable using the travel lane



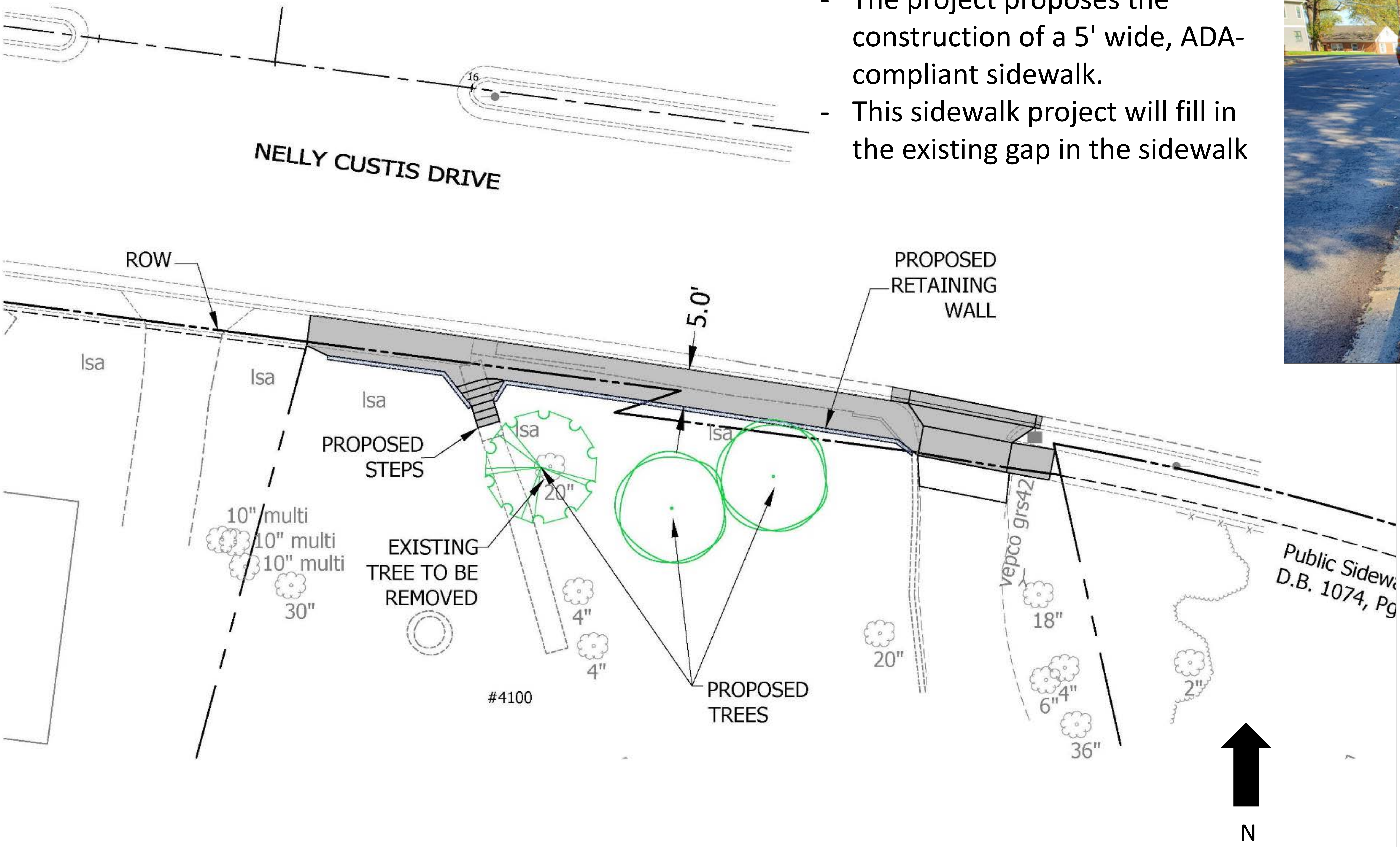
Route options for people who prefer not to navigate the roundabout in the travel lane



# Quick-Build Safety Project

## 4100 Nelly Custis Dr. – Connecting the Sidewalk

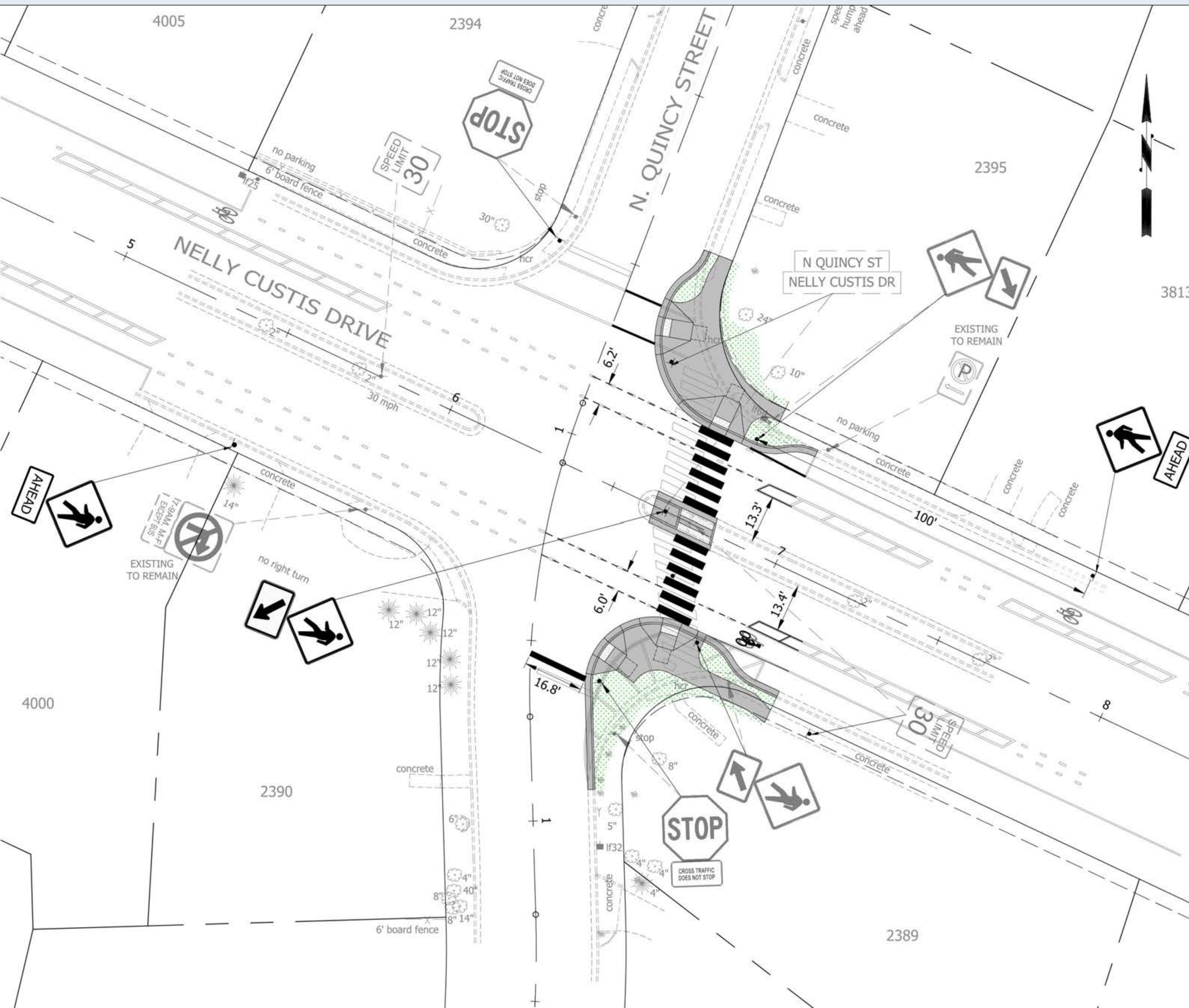
- The project proposes the construction of a 5' wide, ADA-compliant sidewalk.
- This sidewalk project will fill in the existing gap in the sidewalk





# Quick Build Safety Project

## Nelly Custis and N. Quincy Street Curb Extensions



- Completes build out of the painted "bump outs" implemented in 2021
- Shortens crossing distance for people walking
- Reduces vehicle turning speeds