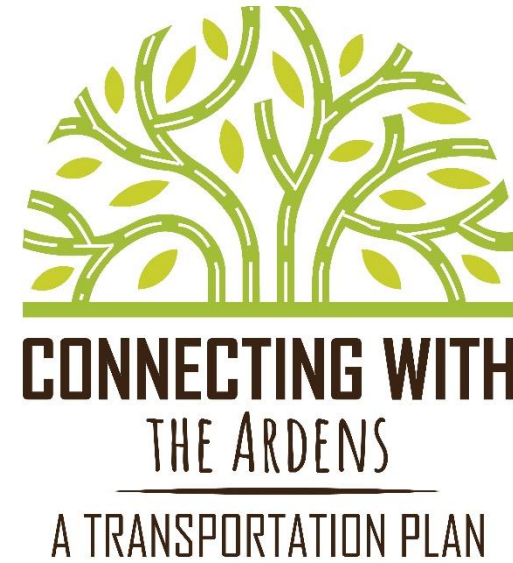


# Connecting with the Ardens Improvement Alternatives

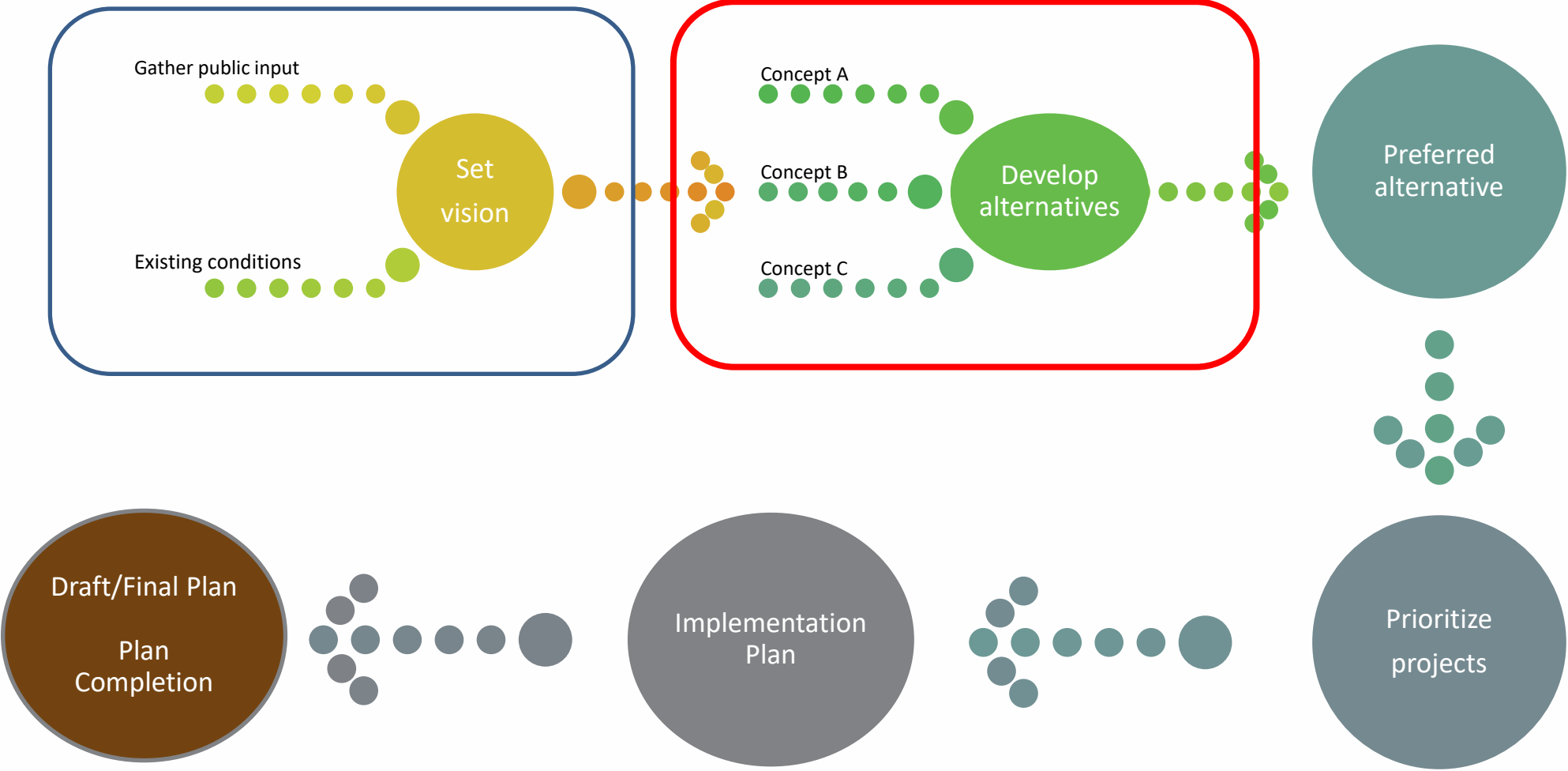
February 15, 2023



REMLINE



# Plan Process

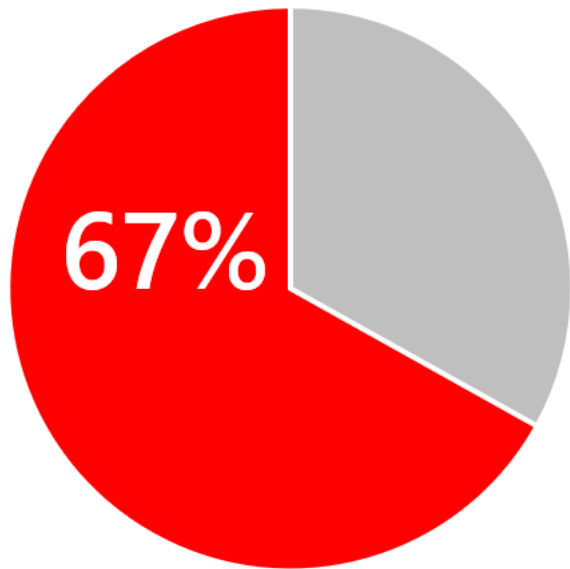


# Recapping What We've Heard

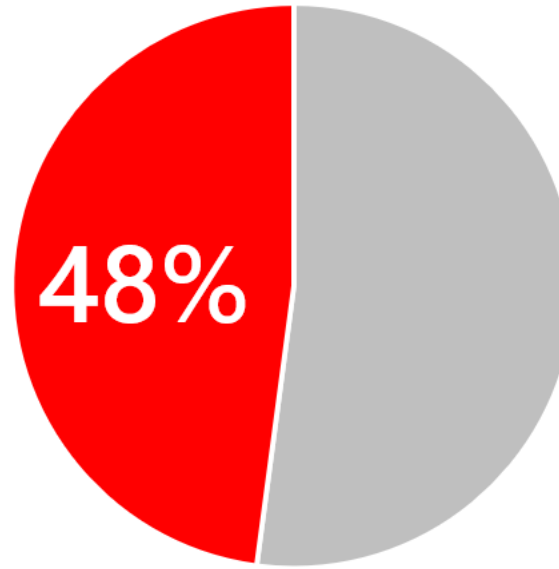
## Survey #1 – Key Finding

### Very or Extremely Concerned with Speeding and Safety

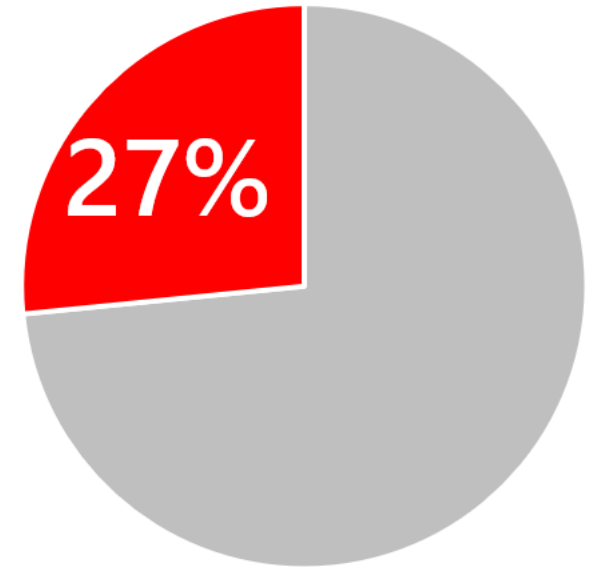
Harvey Road



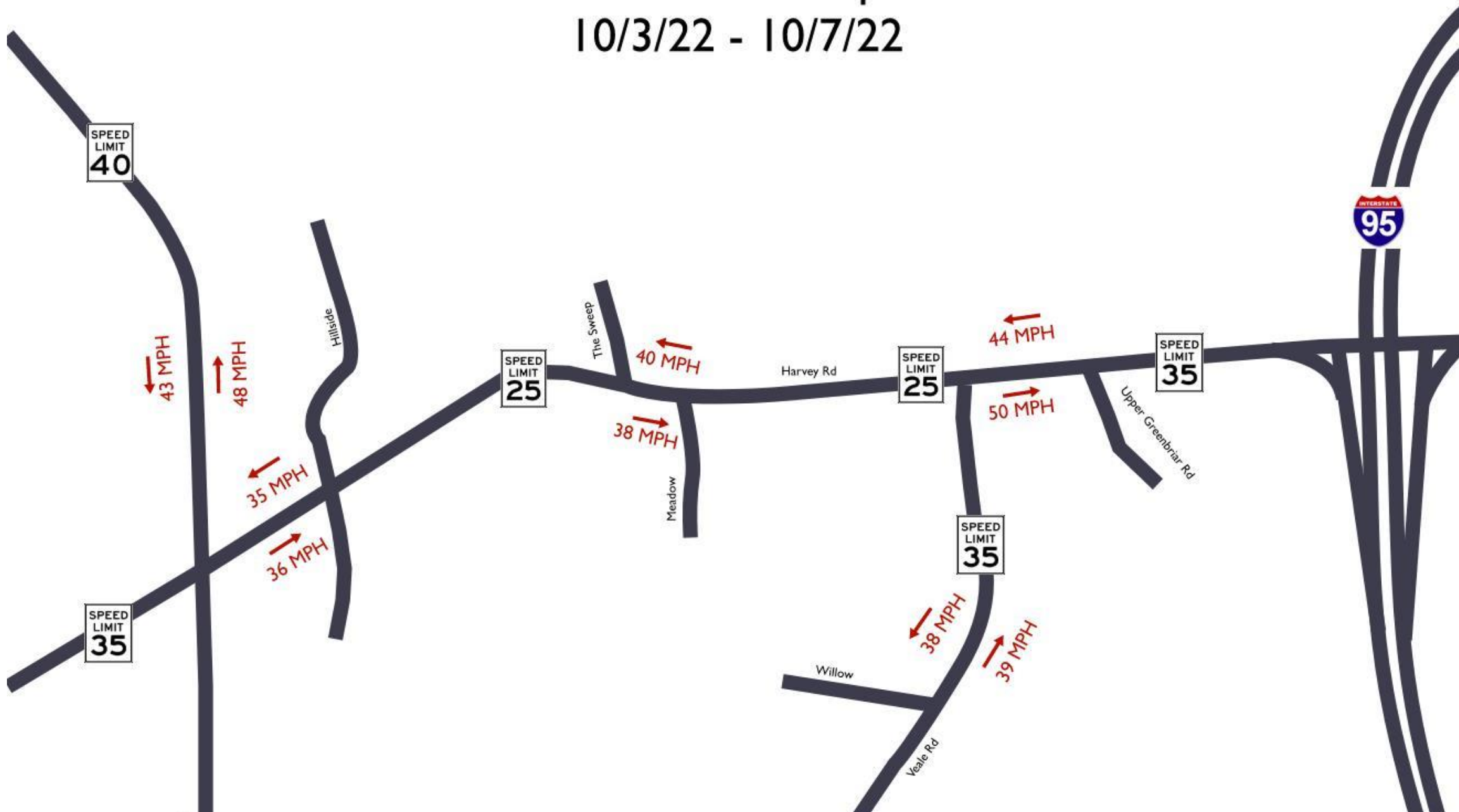
Veale Road



Marsh Road

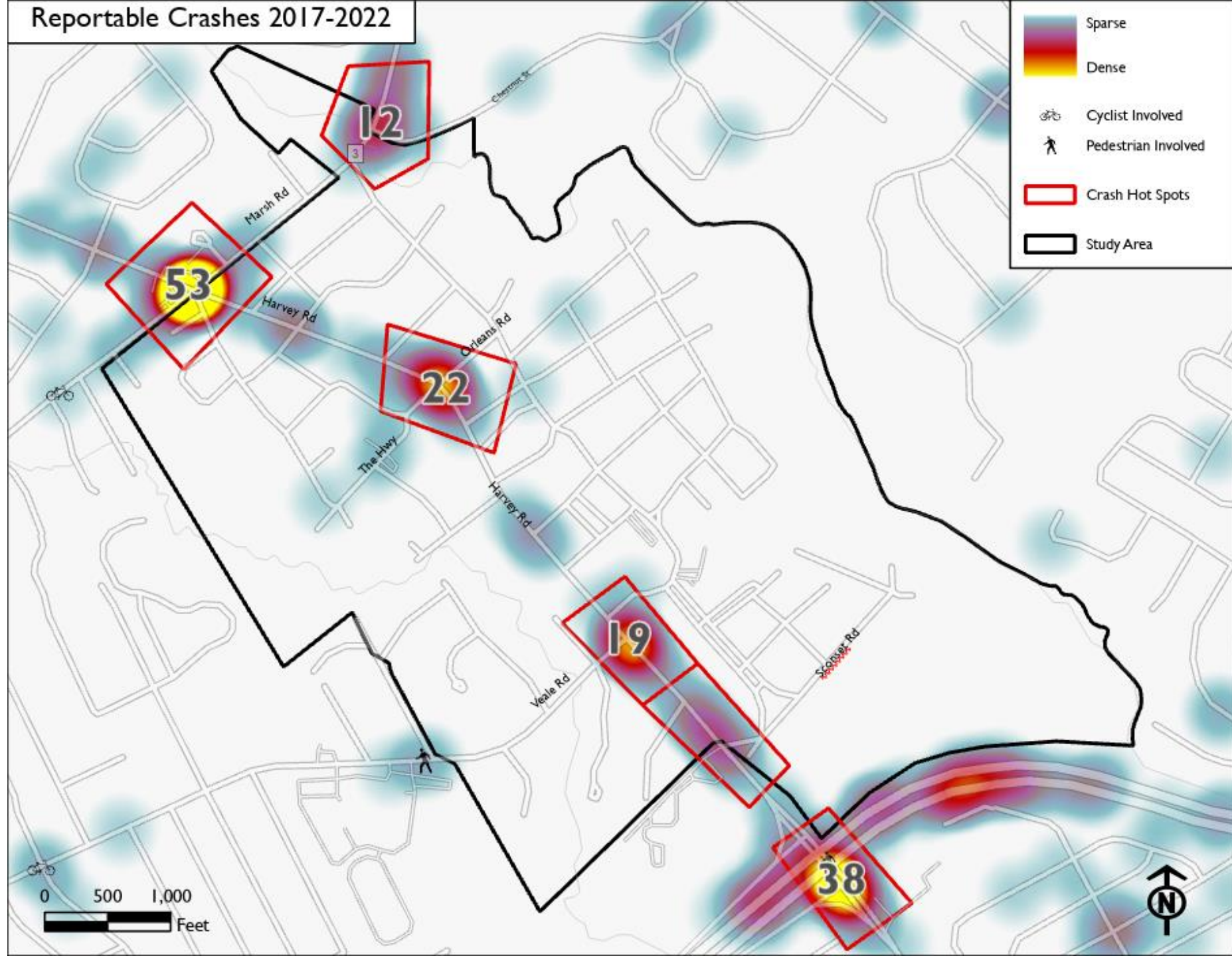


# 85th - Percentile Speeds 10/3/22 - 10/7/22

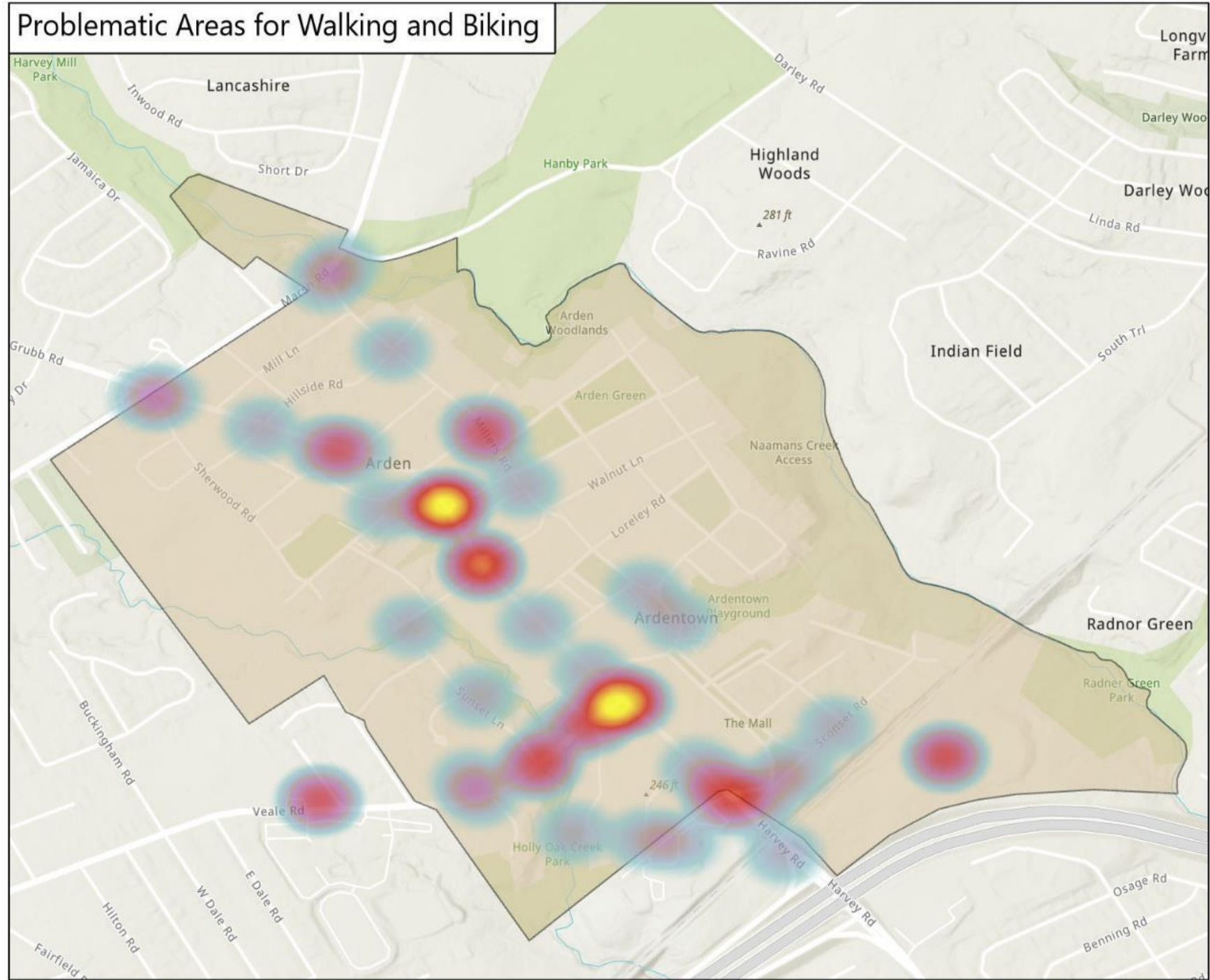




# Reportable Crashes 2017-2022

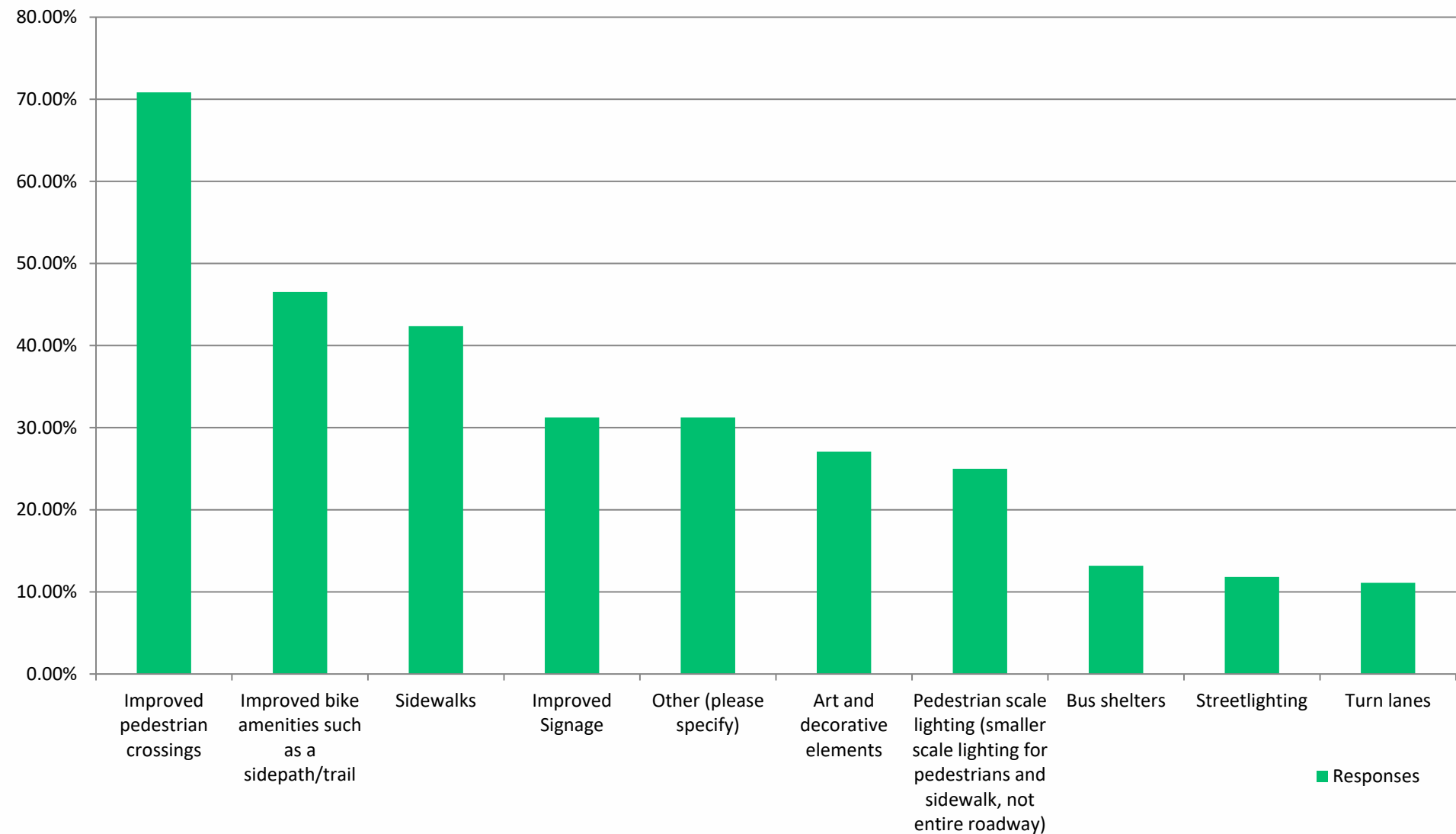


# Problematic Areas for Walking and Biking



# What types of amenities would you like to see?

What types of amenities would you like to see added to Harvey Road?





# Plan Goals

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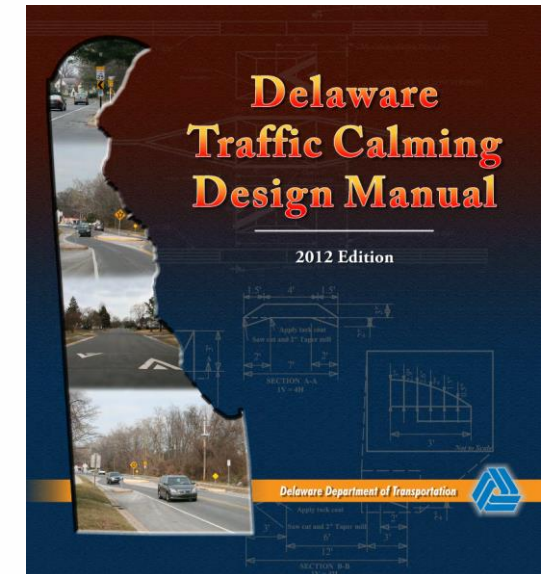
- 1) Manage vehicular travel speeds and deploy safety countermeasures
- 2) Develop a bicycle/pedestrian network to traverse through the Ardens
- 3) Provide enhanced pedestrian crossings
- 4) Enhance transit and school bus stops



# Goal #1: Manage vehicular travel speeds and deploy safety countermeasures

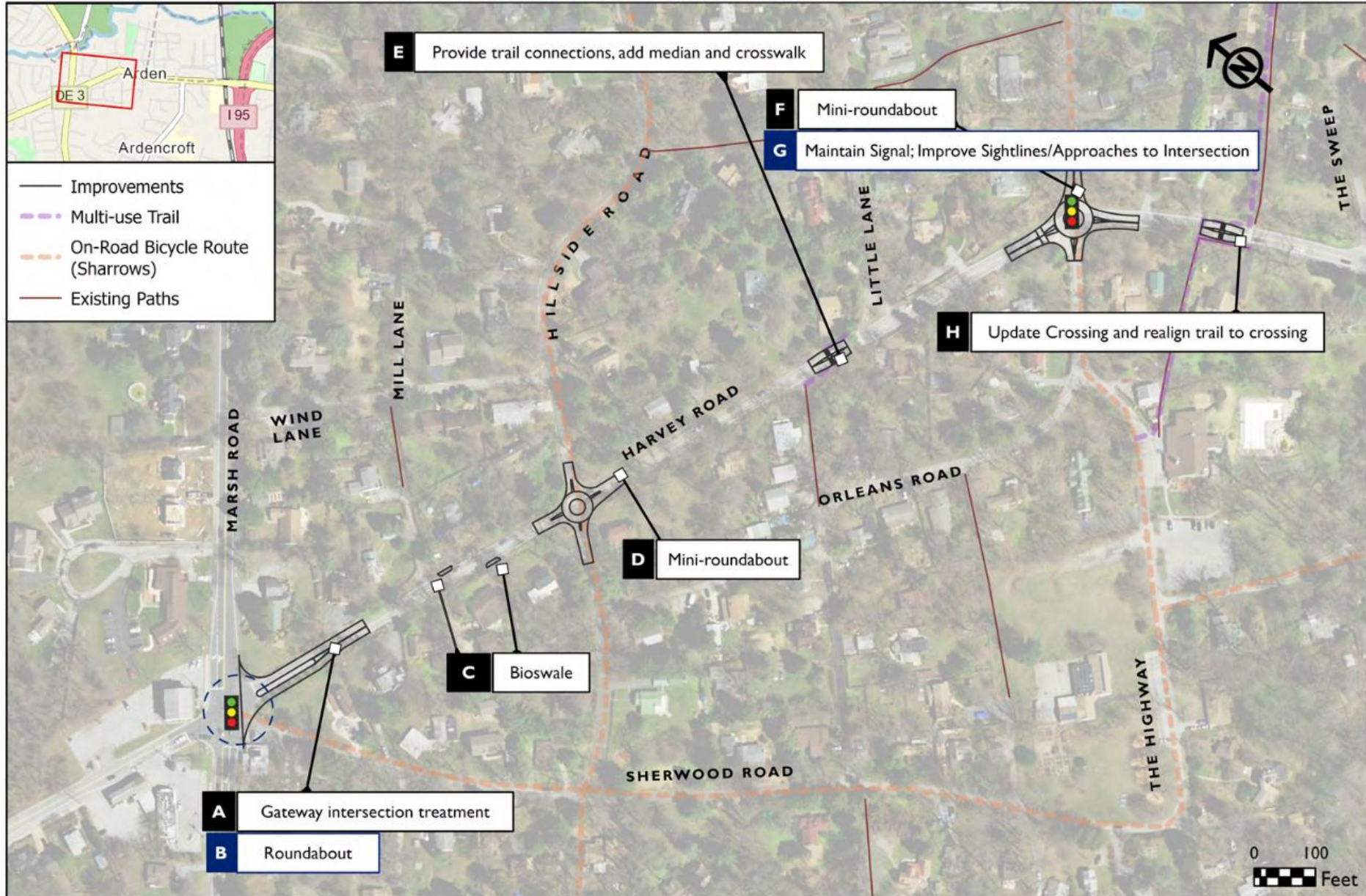
# Points of Consensus – Harvey Road

- » No vertical calming features
- » Use of horizontal calming features
- » Features will comply with DeIDOT standards (mountable curb, etc)
- » Use of low-level landscaping
- » Traffic calming features will be traversable for emergency vehicles, school and transit buses





Goal 1: Manage vehicular speeds and deploy safety countermeasures

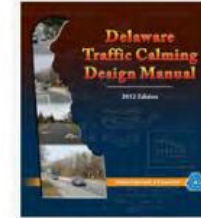




# What is Traffic Calming?

"Traffic calming involves changes in street alignment, installation of barriers, and other physical measures to reduce traffic speeds and/or cut-through volumes, in the interest of street safety, livability, and other public purposes."

-Institute of Transportation Engineers (ITE), Traffic Calming State-of-the Practice



Rectangular Rapid Flashing Beacon



Gateway



Bumpout



Bioswale



Chicane

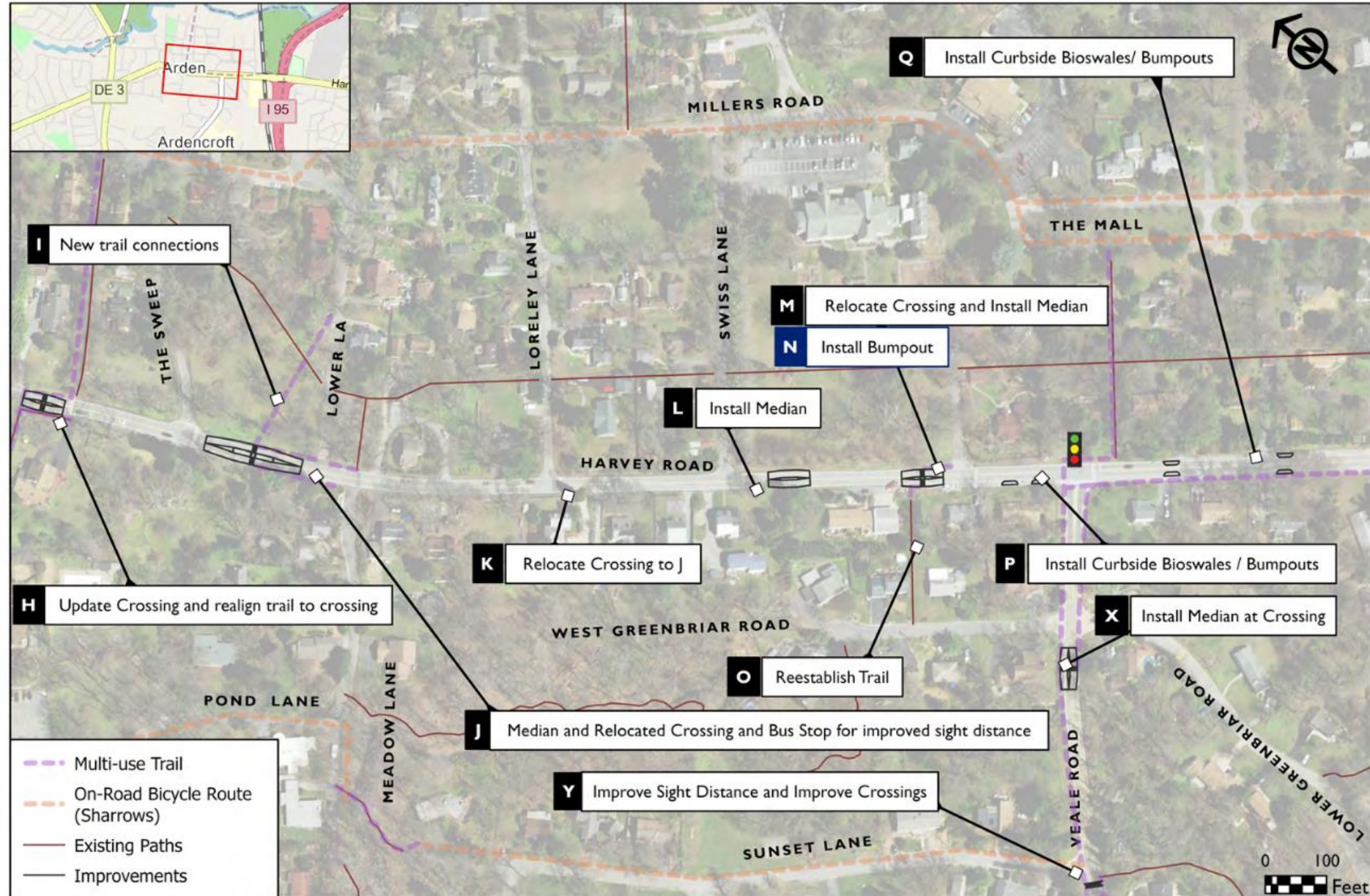


Mini-Roundabout



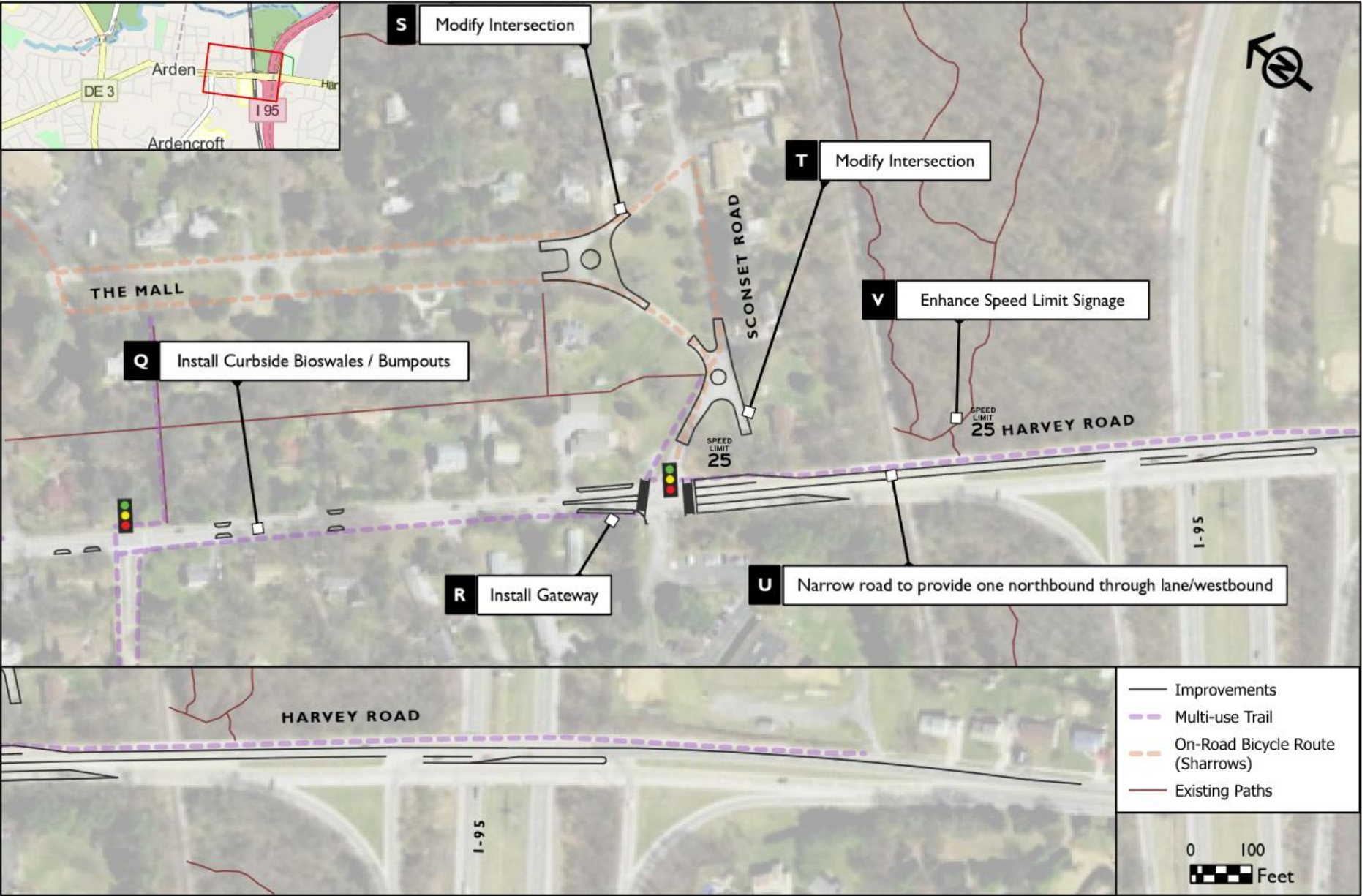


Goal 1: Manage vehicular speeds and deploy safety countermeasures



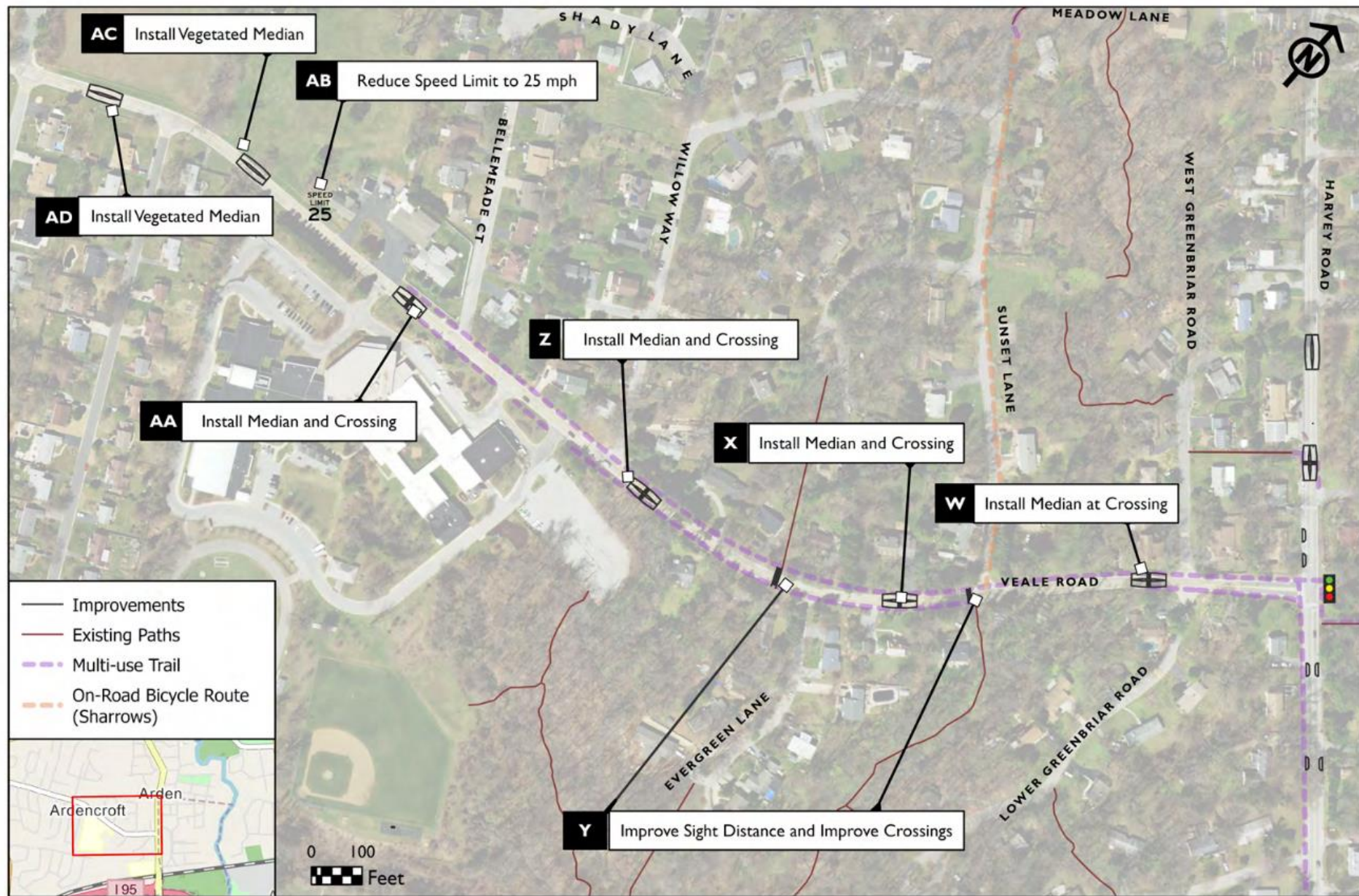


Goal 1: Manage vehicular speeds and deploy safety countermeasures





Goal 1: Manage vehicular speeds and deploy safety countermeasures



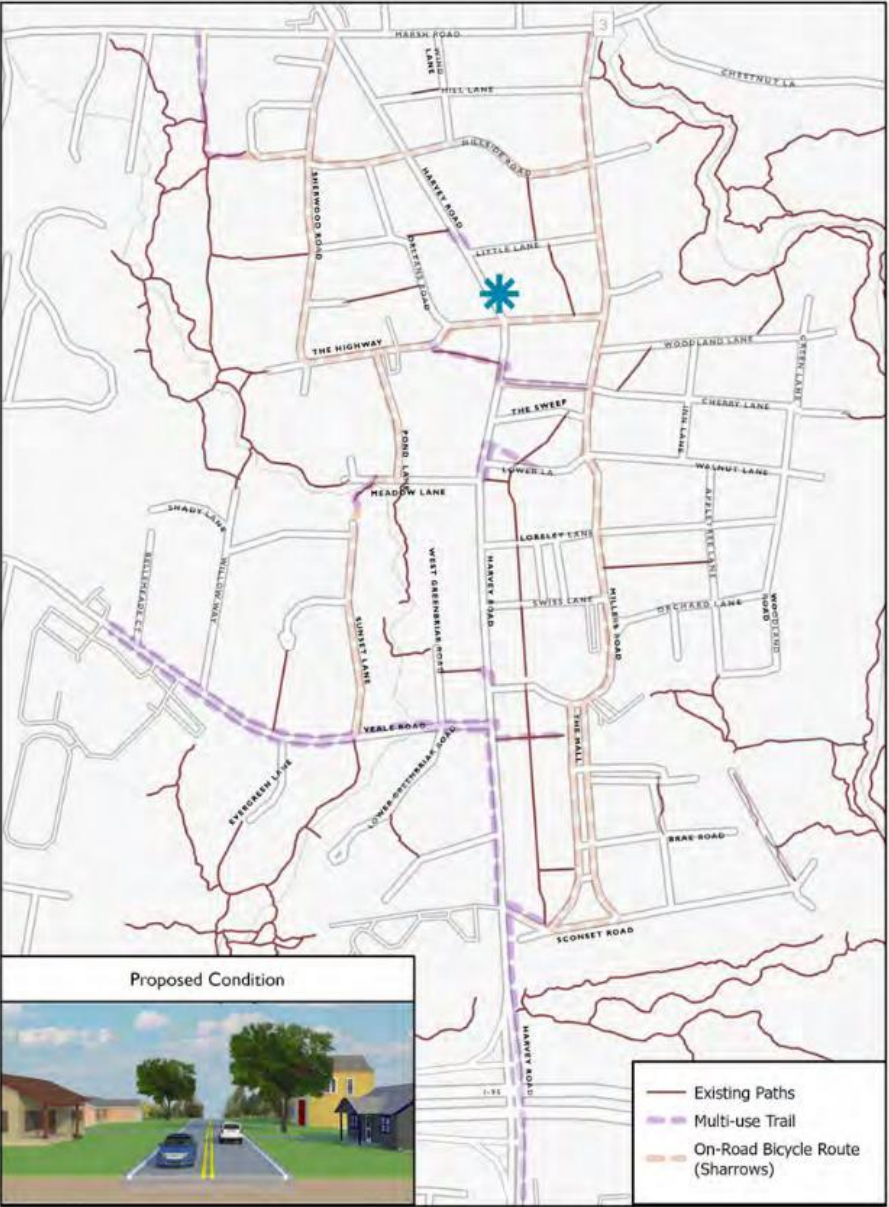




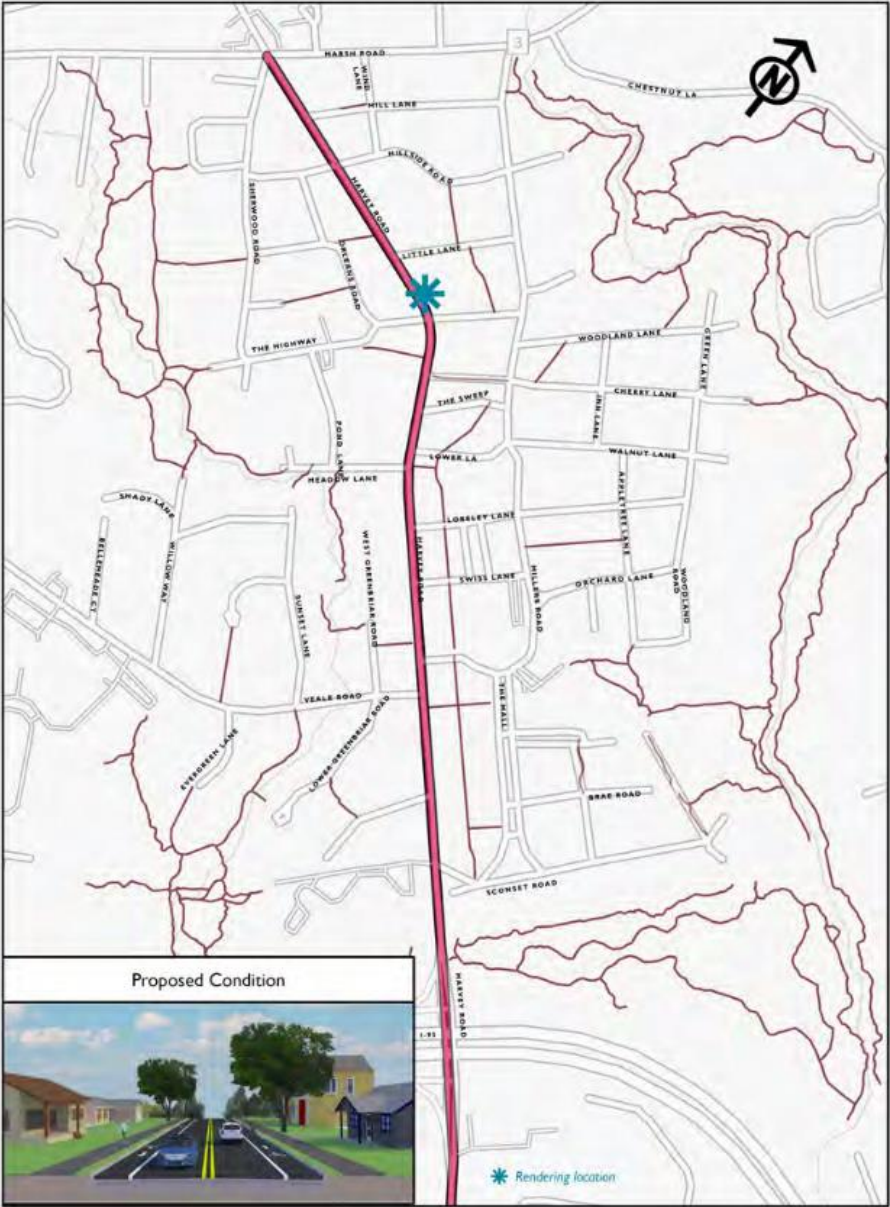
## Goal #2: Develop a bicycle/pedestrian network to traverse through the Ardens

Goal 2: Develop a Bicycle/Pedestrian Network that traverses the Ardens

Alternative 2-A: Develop parallel low-stress network



Alternative 2-B: Add amenities to Harvey Road



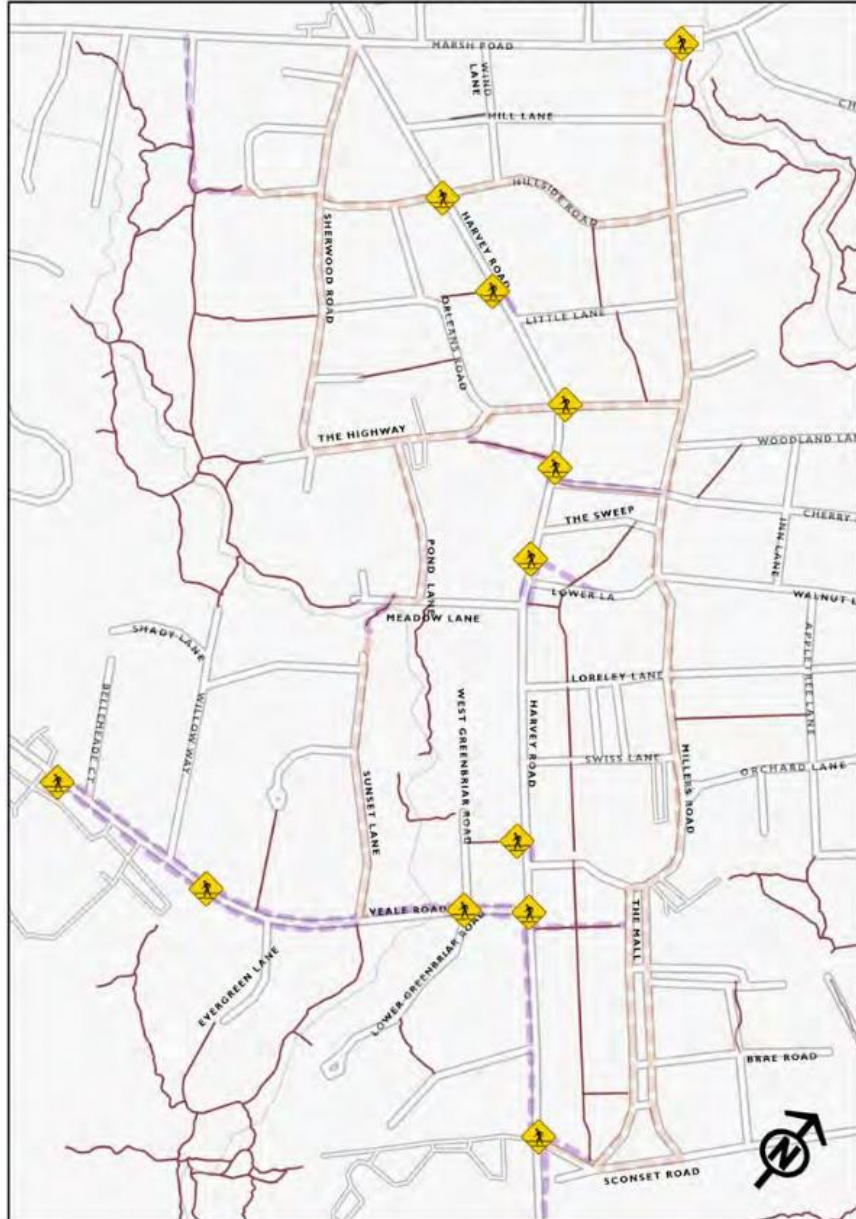


## Goal #3:

Provide enhanced pedestrian crossings

### Goal 3: Provide Enhanced Pedestrian Crossings

Key Crossing Locations



# NCHRP

SYNTHESIS 498

NATIONAL  
COOPERATIVE  
HIGHWAY  
RESEARCH  
PROGRAM

## Application of Pedestrian Crossing Treatments for Streets and Highways



### A Synthesis of Highway Practice

TRANSPORTATION RESEARCH BOARD  
The National Academies of  
SCIENCES • ENGINEERING • MEDICINE

Apply guidance of NCHRP 498 and DeIDOT



# Goal #4: Enhance transit and school bus stops

**Goal 4: Enhance Transit / School bus stops**

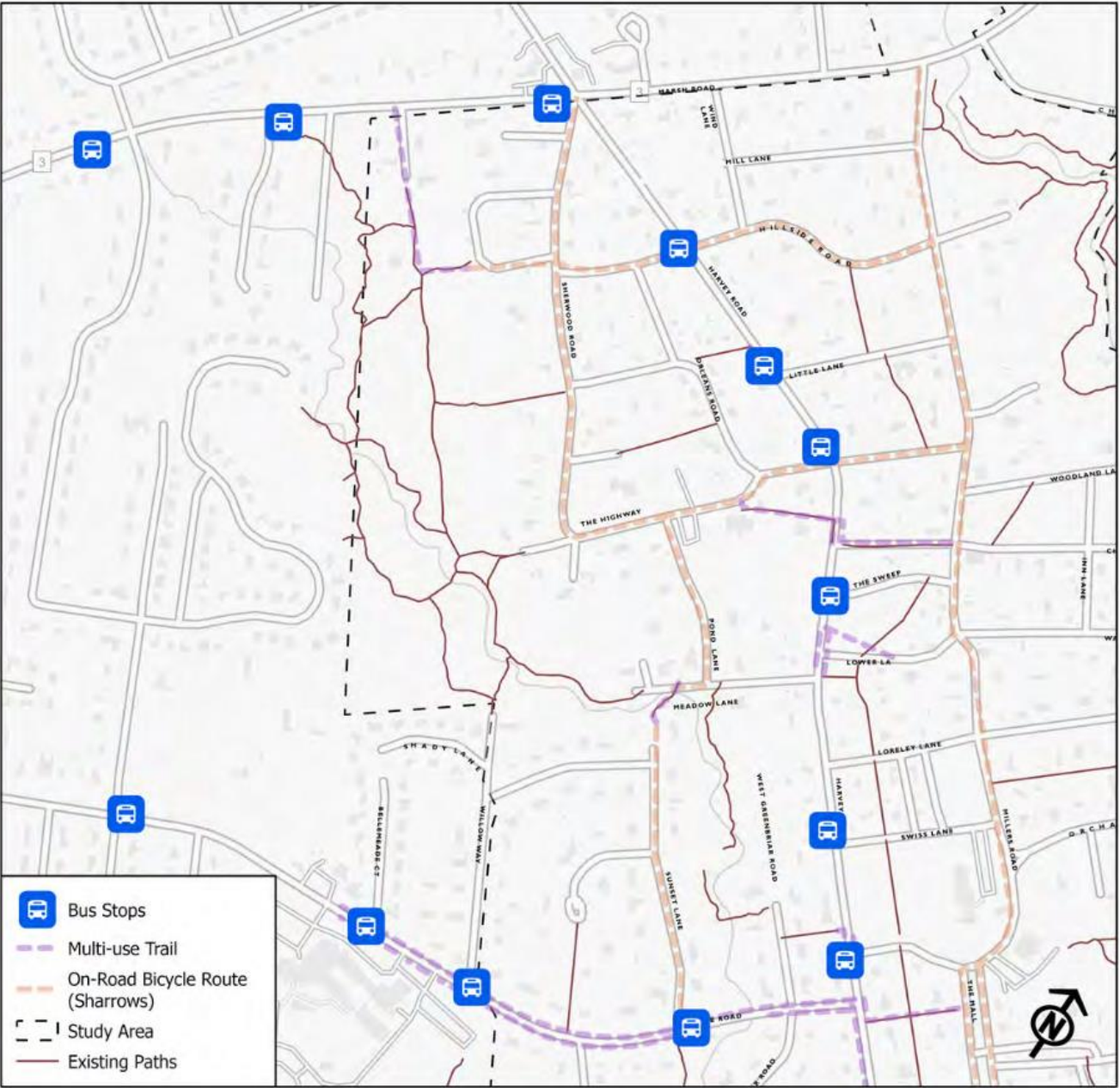
Alternative 4-A: Modern/Sleek



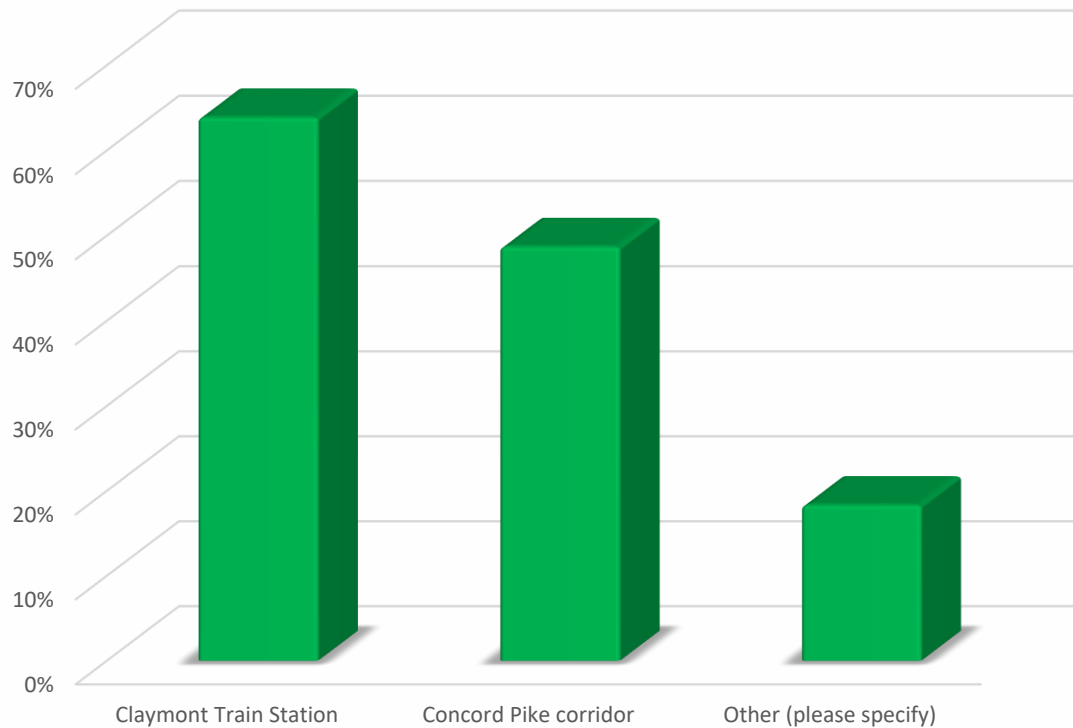
Alternative 4-B: Traditional



Alternative 4-C: Wooden Bus Stop

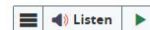


## Where would you like to be able to go on the bus?



## Delaware Transit Corporation Launches DART Connect Micro Transit Service

Delaware Transit Corporation | Department of Transportation | News | Sussex County | Date Posted: Tuesday, April 13, 2021





# This Evening's Objectives



# Meeting Objectives

- 1) Review the Alternatives
- 2) Ask Questions
- 3) Complete the Alternatives Survey
  - [wilmapco.org/ardens](http://wilmapco.org/ardens) > > Alternatives Survey
  - Direct URL > > [tinyurl.com/ArdensSurvey2](http://tinyurl.com/ArdensSurvey2)
  - Paper copies available this evening
- 4) Complete the Comment Form



*Survey will be open until March 12<sup>th</sup>.*

# Questions