








New Hampshire Avenue BRT Planning Study

Corridor Advisory Committee (CAC)
Meeting 1

April 5, 2022

Meeting Expectations

-  We're committed to starting on time and ending on time
-  Meeting facilitator will guide discussion
-  We're creating spaces for all voices to be heard
-  Take advantage of the "raise hand" feature
-  Place microphones on mute when not talking

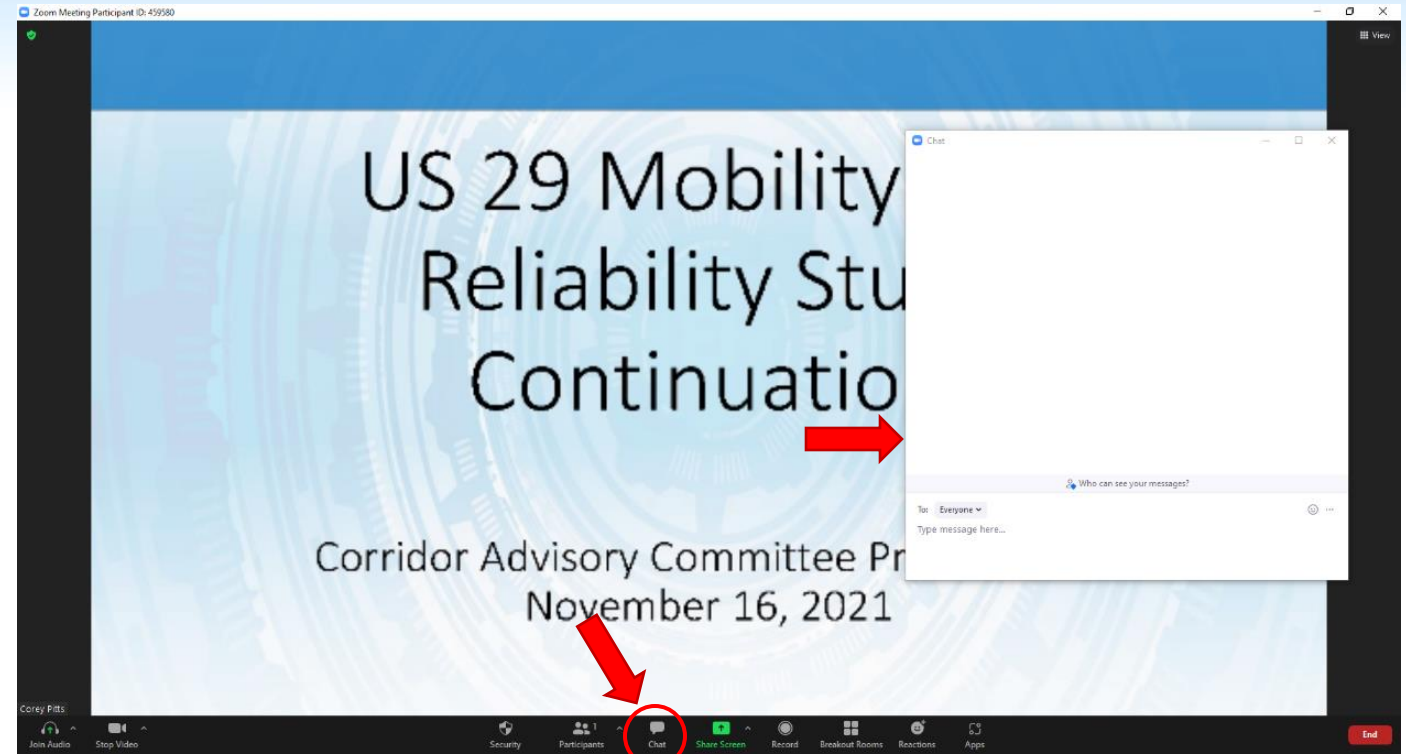
Using Zoom

Ask a question (in text):

- If you have a question during the presentation, please send it via the **chat**.

To send a chat:

- Click “chat” in the bottom menu.
- A new window will appear.
- Type your question and send it.



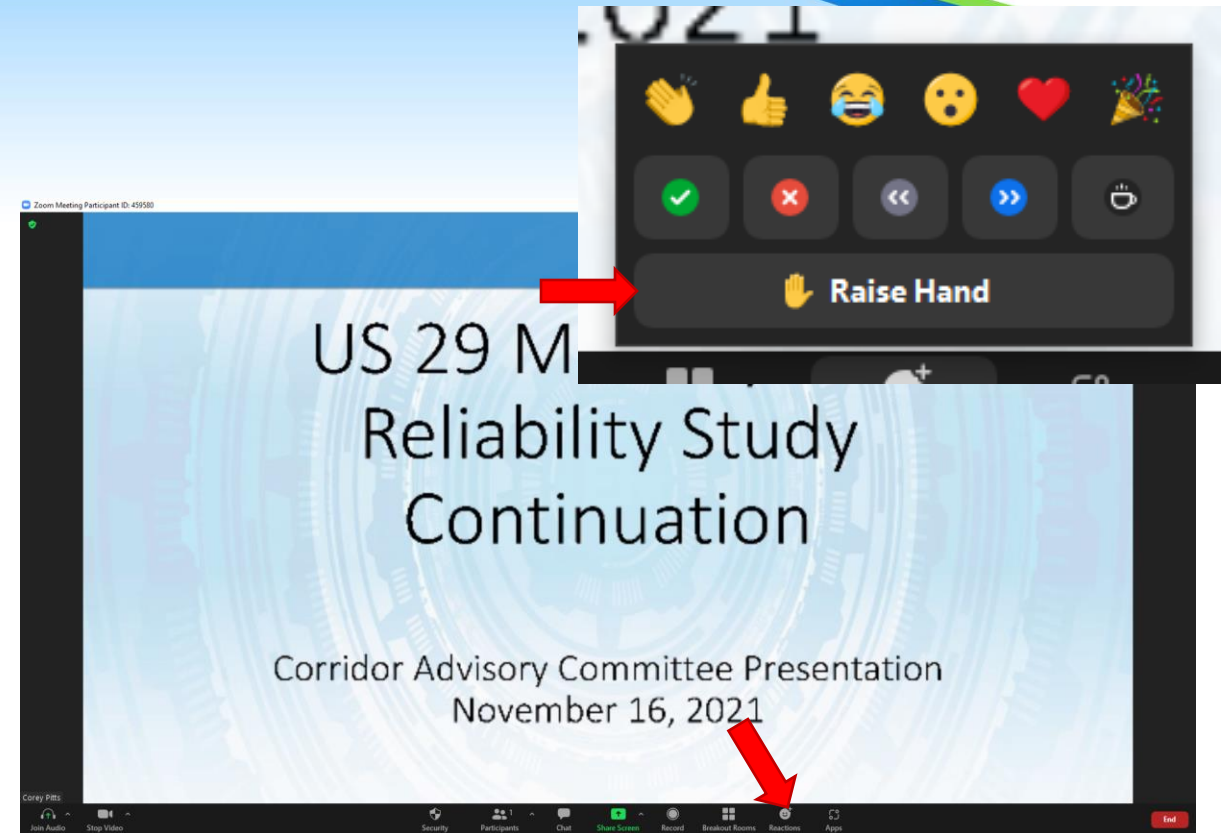
Using Zoom

Raise your hand:

- If you'd like to speak to ask a question or make a comment, please **raise your hand**.

To raise your hand:

- Click "Reactions" in the bottom menu.
- A new window will appear. Click the "Raise Hand" button at the bottom.
- If you've dialed in by phone, dial *9.



Project Team

Montgomery County Department of Transportation (MCDOT)

- Sandra Marks
- Corey Pitts
- Joana Conklin



Planning Consultant Team

- Jamie Henson
- John Manzoni
- Tara Hofferth
- Nadiya Kutishcheva

Meeting Agenda

- Introductions
- Program and Project Overview
- Goals and Objectives
- Corridor Overview
- Engaging the Public
- Next Steps



Introductions for the Corridor Advisory Committee for the New Hampshire Ave BRT

Introductions:

- Name
- Why are you interested in this study?
- What is the most important thing to address along New Hampshire Avenue?



Role of Corridor Advisory Committee

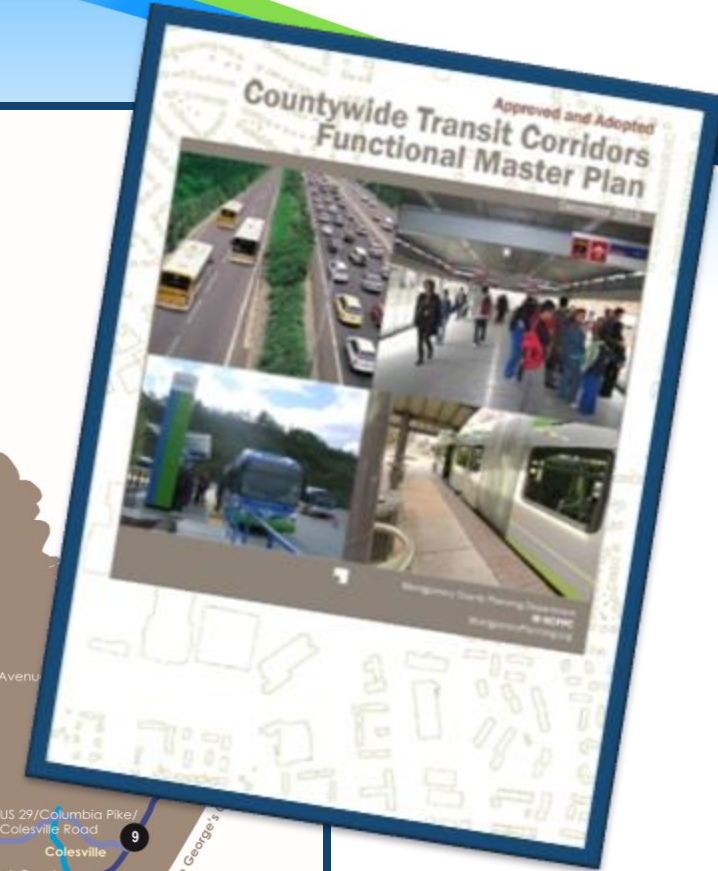
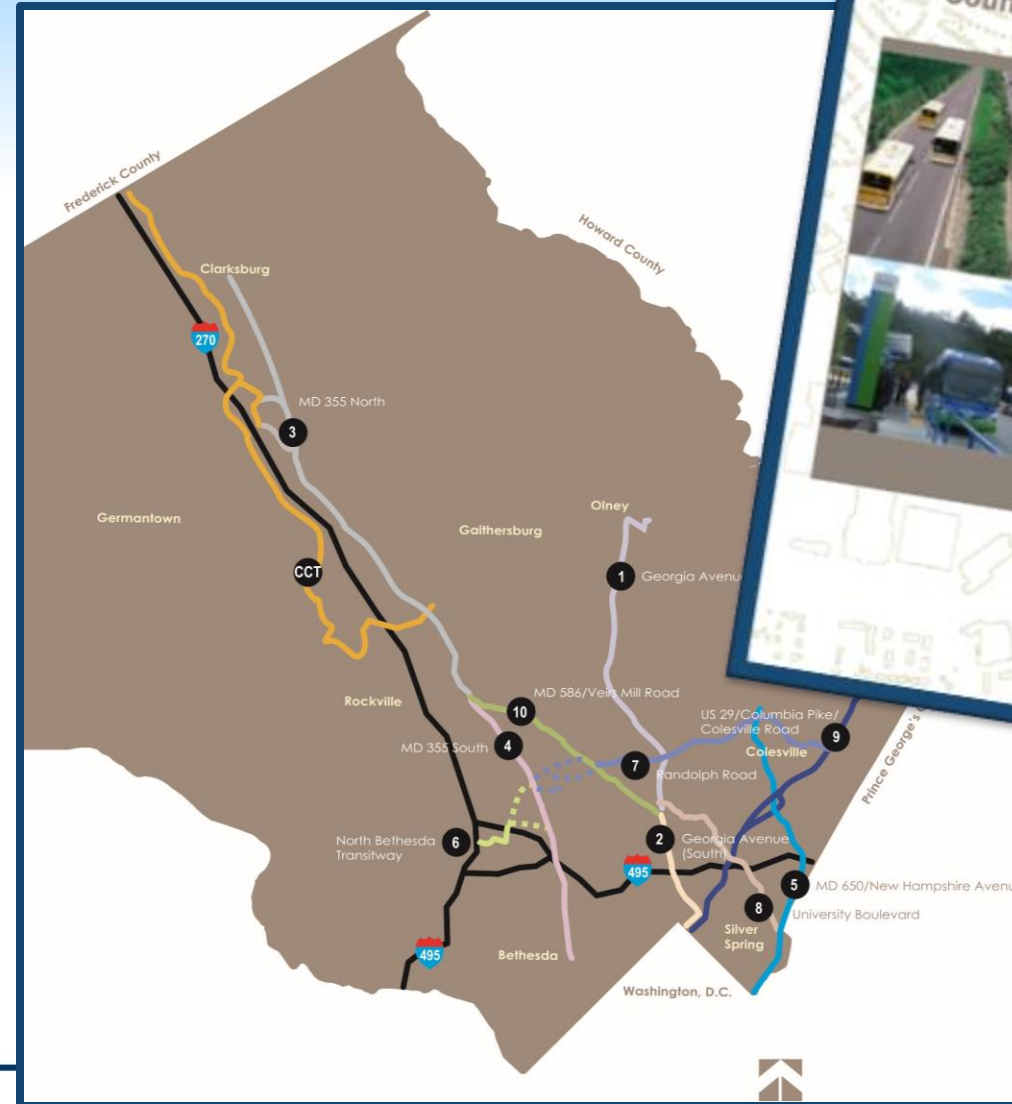
- Provide input, guidance and oversight in accordance with the Master Plan
- Community involvement throughout project
- Information sharing with community
- Build consensus



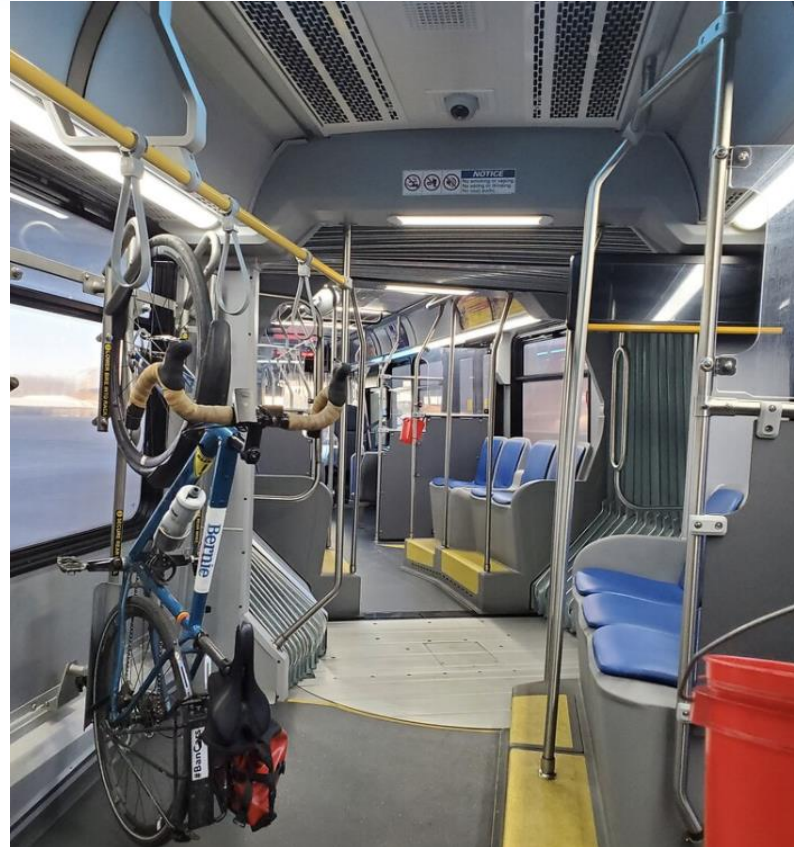
Program and Project Overview

Bus Rapid Transit Program Overview

- Corridor identified in the Countywide Transit Corridors Functional Master Plan (Adopted 2013)
 - US 29 corridor is in operation
 - Veirs Mill Rd and MD 355 are in Preliminary Design
 - North Bethesda and New Hampshire Avenue are in Concept Study



BRT in Montgomery County



Enhanced Vehicles

- Larger, More Spacious Vehicles
 - Multiple Doors
 - Spacious interior for wheelchairs, strollers, bikes
- Fast Boarding
 - Easy Payment Options
- Improved Experience
 - On Board Wi-Fi
 - USB Charging Ports



Enhanced Stations

- Near Level Boarding
 - Easily roll onto the bus
 - Board with your bike
- Connections for Pedestrians and Cyclists
 - Improved access to stations
 - Incorporate micro-mobility options where possible
- Improved Rider Experience
 - Real-time arrival information
 - Weather protection
 - Public Art



Enhanced Operations

- Faster Travel
 - Frequent service
 - Fewer stops
 - Rapid Boarding
- Prioritization of Bus Service
 - Bus Only Lane
 - Transit Signal Priority (TSP)
 - Queue Jumps



Example of a Bus Only Lane in Alexandria, VA

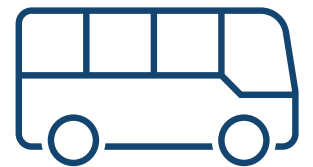
Photo Source: NACTO

BRT Introduction Video



New Hampshire Ave BRT Corridor Study

WE ARE HERE



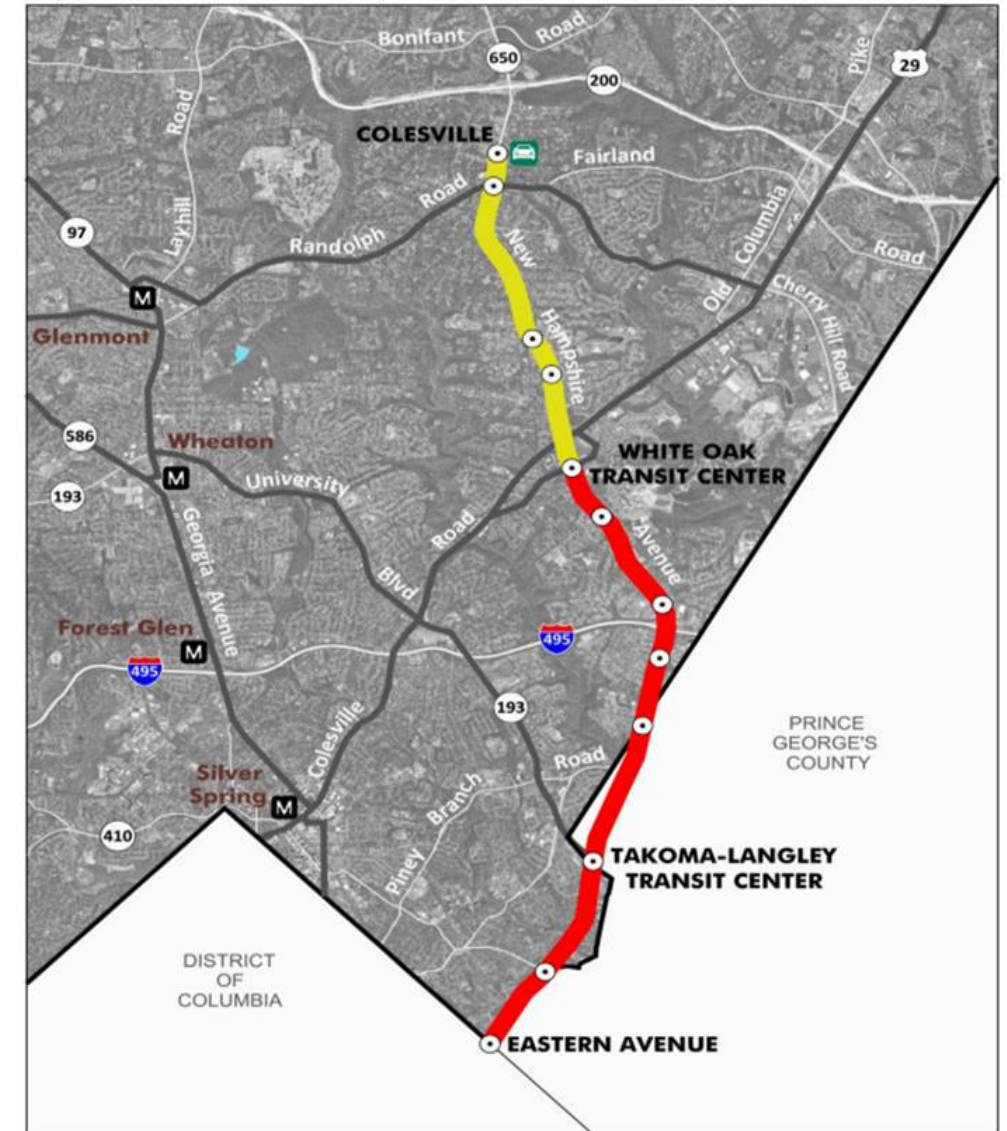
New Hampshire Ave BRT Corridor Study

- **Study Will Address:**

- Termini and major transit interaction
- Facility type and alignment
- Precise station locations
- Multimodal station access needs
- Adjustments to modal priority

Map 7

Corridor 5: New Hampshire Avenue



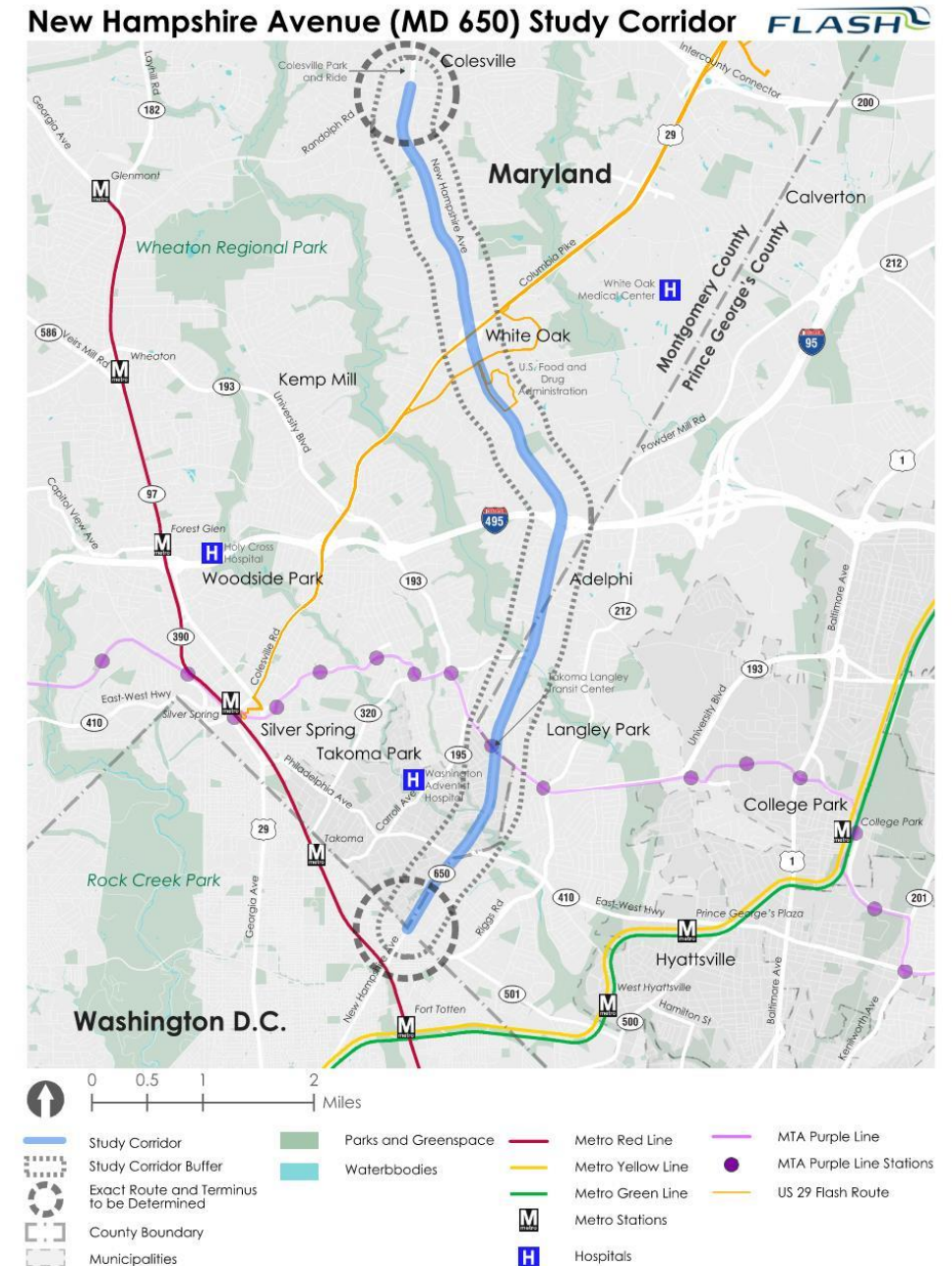
- County Line
- Dedicated Lane(s)
- Mixed Traffic
- Other BRT Corridors

- BRT Station
- M Metro Station
- P&R Park-and-Ride Station



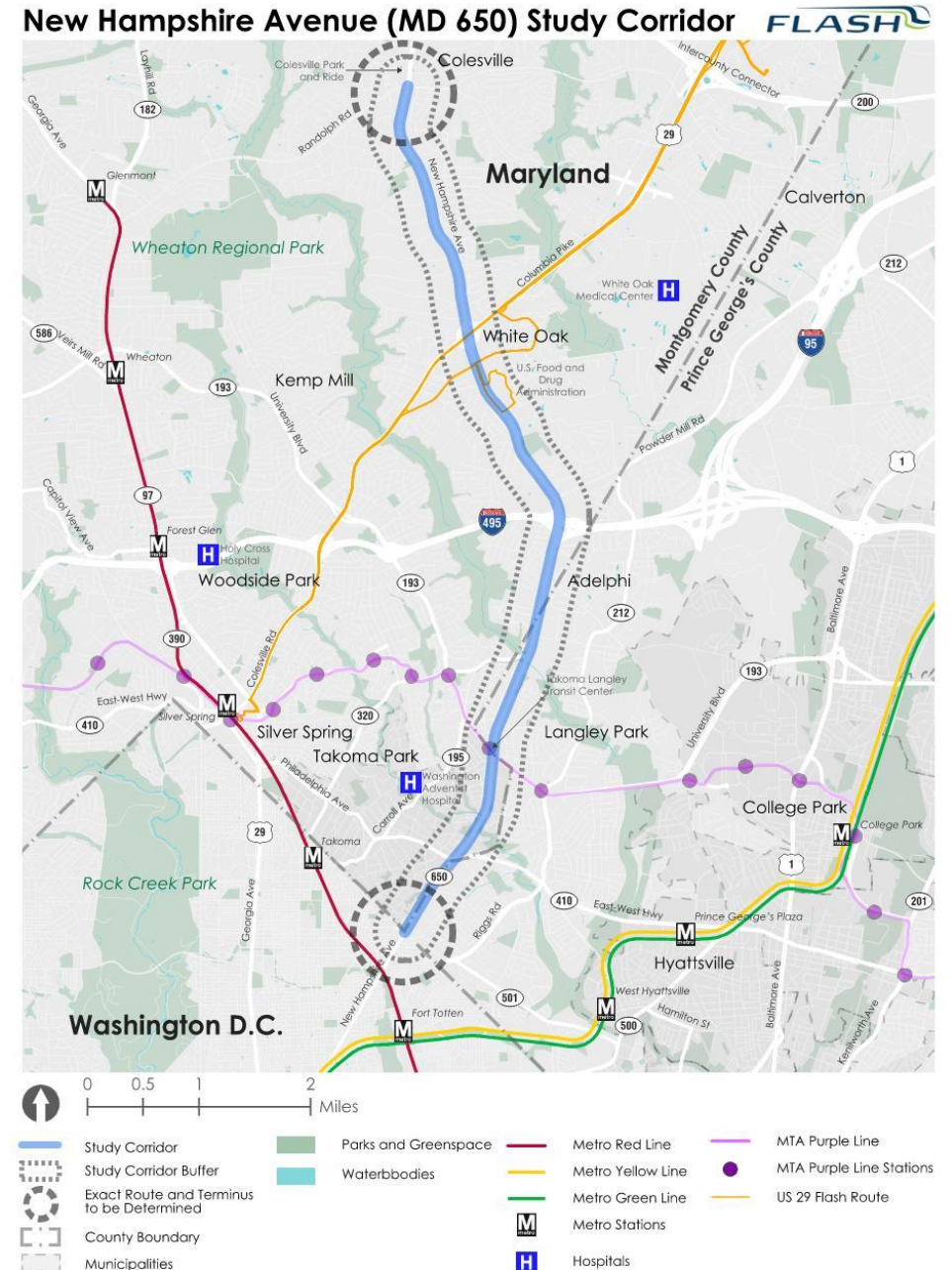
New Hampshire Ave BRT Corridor Study

- **Corridor Extends from Master Plan Study:**
 - **Southern Terminus:** DC boundary at Eastern Ave
 - **Northern Terminus:** Colesville Park and Ride near Randolph Rd
- **Study Area Highlights:**
 - Multijurisdictional alignment: Prince George's County, Takoma Park, District of Columbia
 - Southern terminus possibly in DC
 - Intersects the Purple Line and the US 29 Flash Service
 - Serves Takoma Langley and White Oak Transit Centers



Analysis Overview

- Transit Operations
- Traffic Operations
- Multimodal Conditions
- Travel Patterns
- Safety
- Existing Plans
- Demographics and Jobs
- Land Use and Destinations



Schedule

WE ARE HERE

WINTER 2022

SPRING & SUMMER 2022

FALL 2022

WINTER 2023



Stakeholder and
Community Engagement

Phase 1: Project Purpose & Need

Phase 2: Definition of Alternatives

Phase 3: Evaluation of
Alternatives

Existing Conditions / Data
Analysis

Including Planning Analysis, Traffic Analysis,
& Transit Data Analytics

Purpose and Need, Goals,
MOEs

Conceptual Design
Alternatives

Initial
Ideas

Initial Alternatives
Development

Hybrid Alt.
Dev.

10% Concept
Development

Evaluation of Alternatives

Initial Alternatives
Analysis

Hybrid Alternatives Analysis

Locally Preferred Alternative
and Implementation Plan

Public Meeting 3

Public Meeting 2

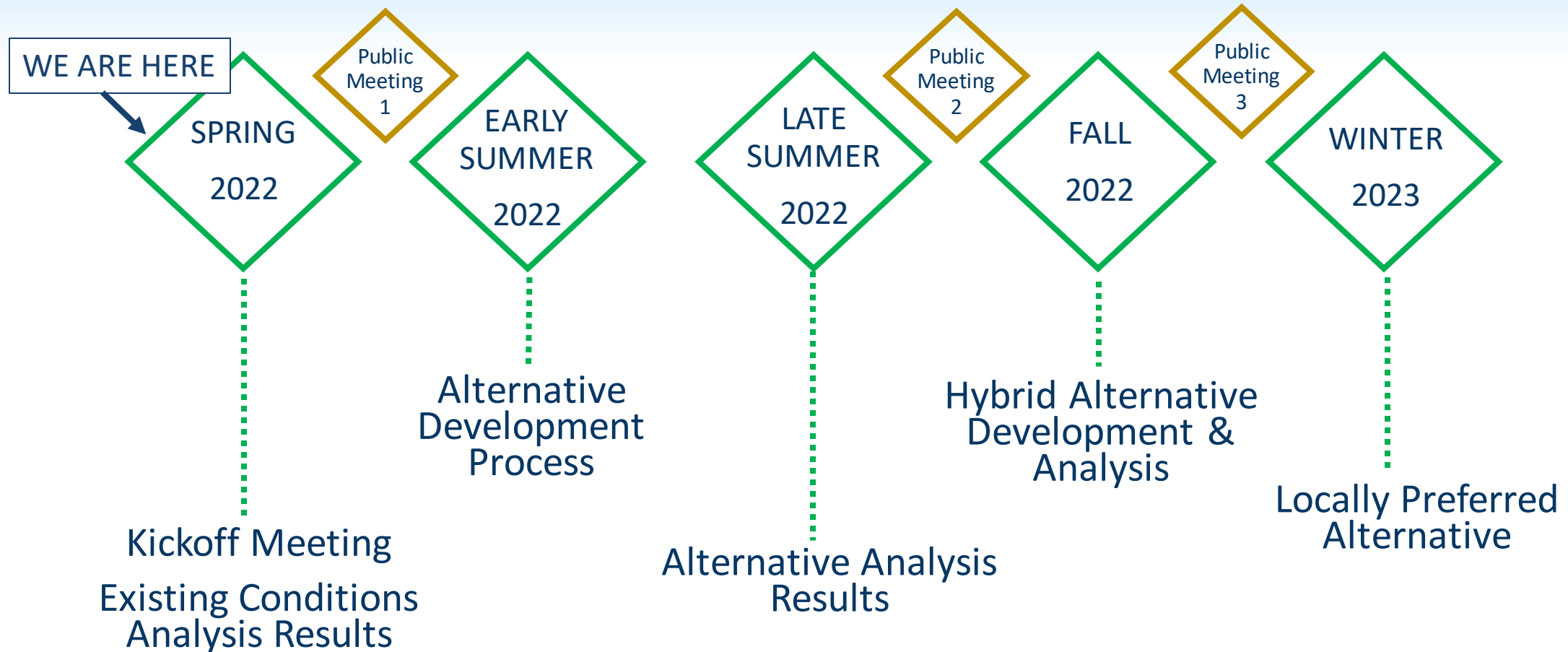
Public Meeting 1

EARLY MAY 2022



CAC Meeting

Corridor Advisory Committee Meetings



Goals and Objectives

Development of Goals & Objectives



Program Goals

Mobility
Choices



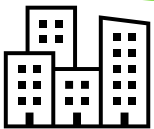
Sustainable
Solutions



Corridor
Safety



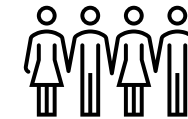
Economic
Growth



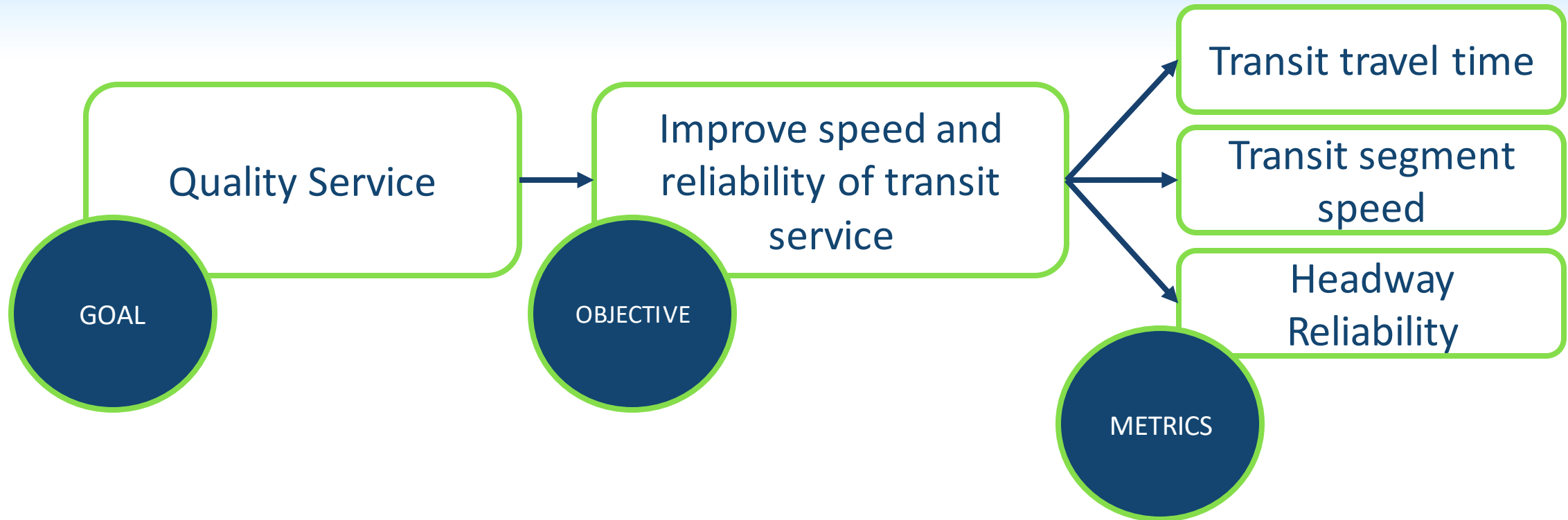
Quality
Service



Community
Equity



Developing Objectives & MOEs



How To Use Poll EV



How To Use Poll EV

Responding as guest988 (GU)

Rank these goals according to which are the most important to you (placing your highest priority at the top).

Use the up and down arrows to move. Don't forget to submit

Economic Growth
Community Equity
Quality Service
<div><div>^</div><div>v</div></div> Sustainable Solutions
Mobility Choices
Corridor Safety

Rank these goals according to which are the most important to you (placing your highest priority at the top).

Mobility Choices

Sustainable Solutions

Corridor Safety

Economic Growth

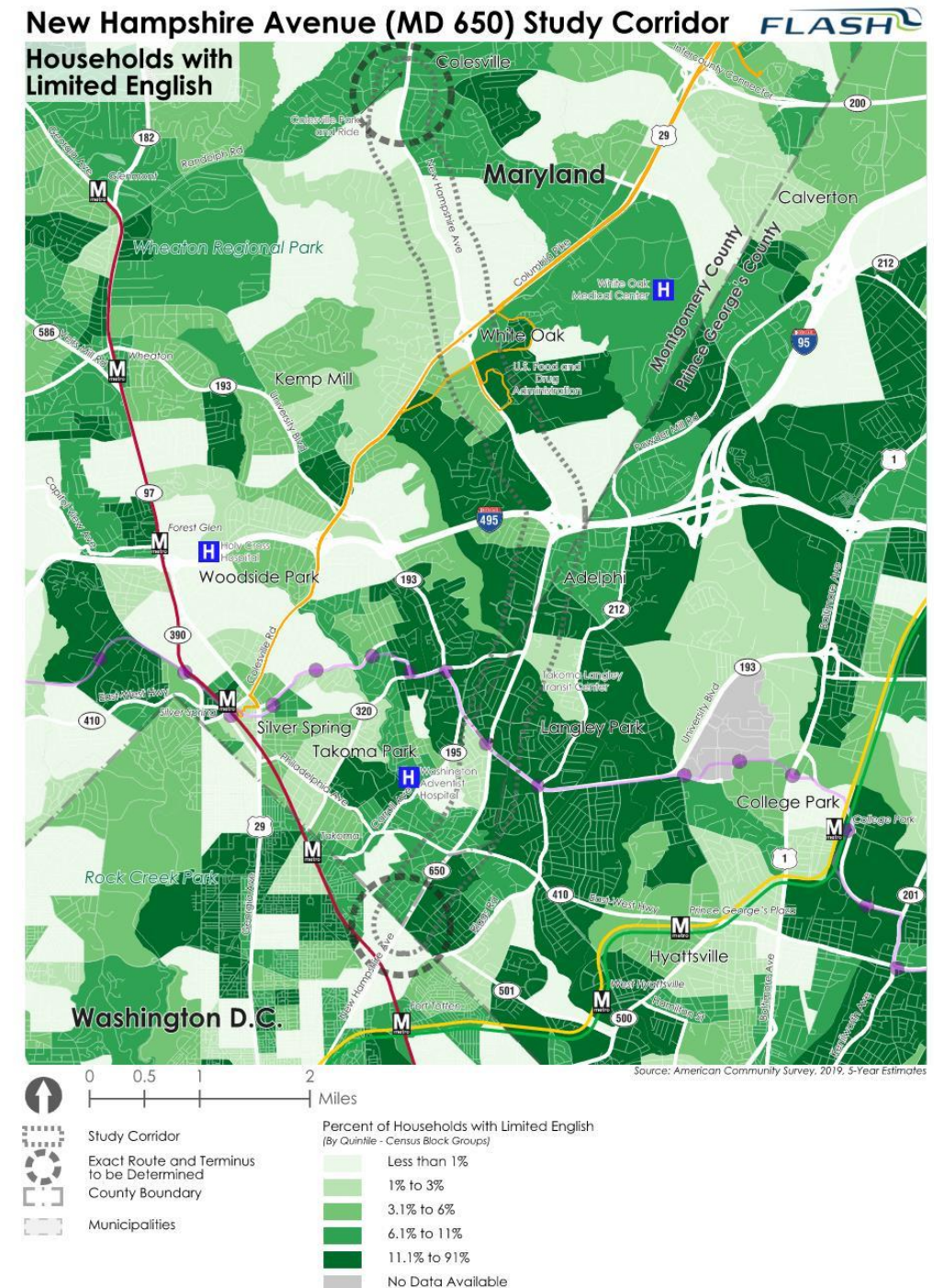
Quality Service

Community Equity

Corridor Overview

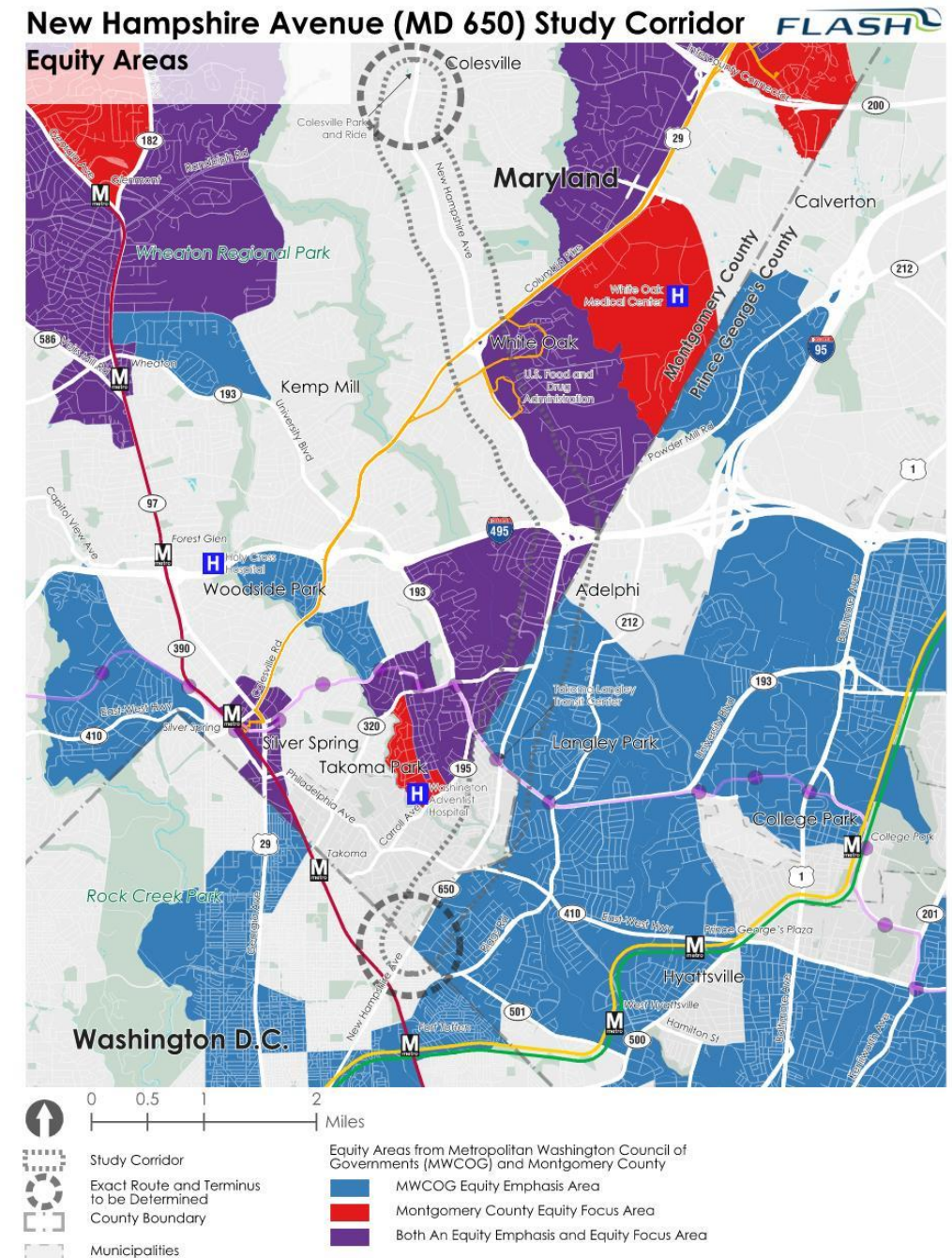
Understanding the Community – Diversity & Equity

- Diverse populations
- Multiple languages spoken
- High number of low-wage jobs in the corridor
- Corridor jobs often have variable commute times



Understanding the Community – Diversity & Equity

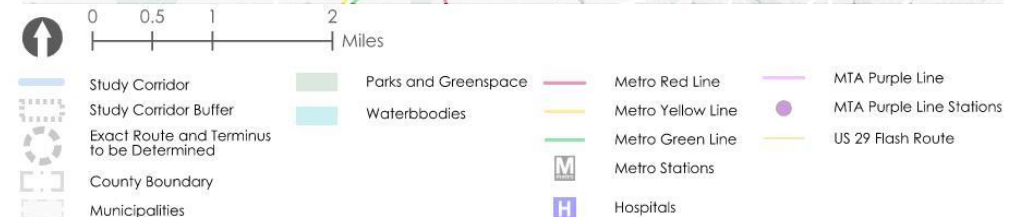
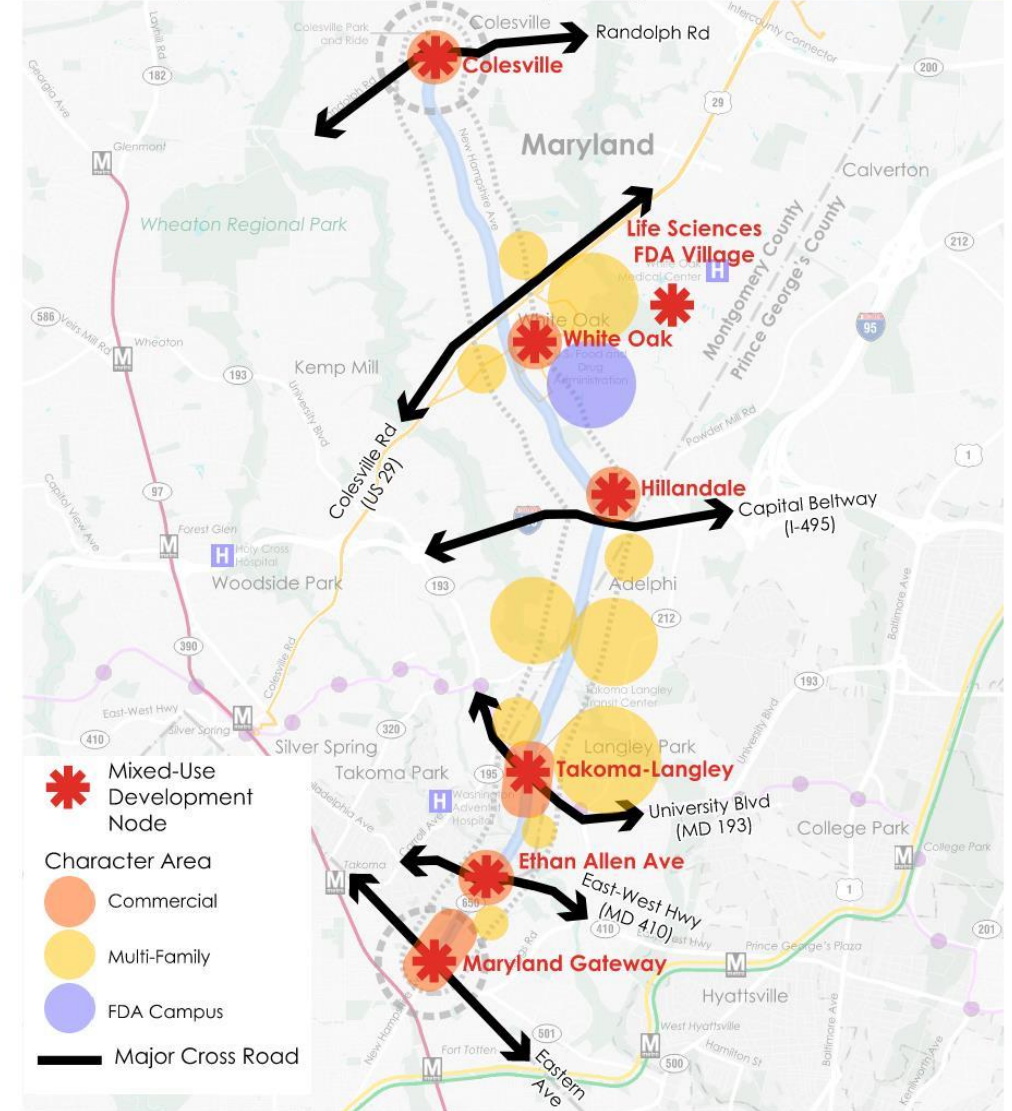
- Equity Emphasis and Focus Areas (2/3 of the corridor)
- Poverty between the Beltway and University
- Low car ownership south of the Beltway



Understanding the Corridor – Character Nodes

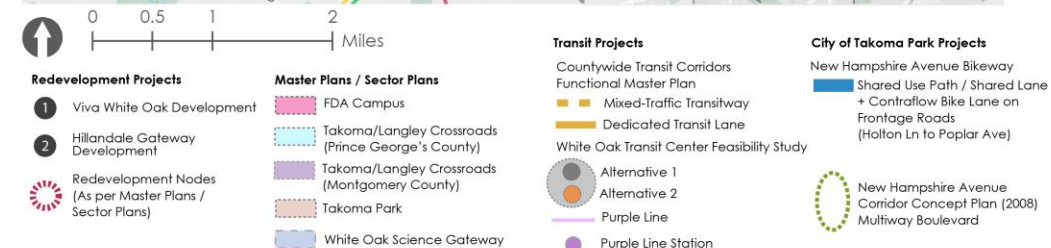
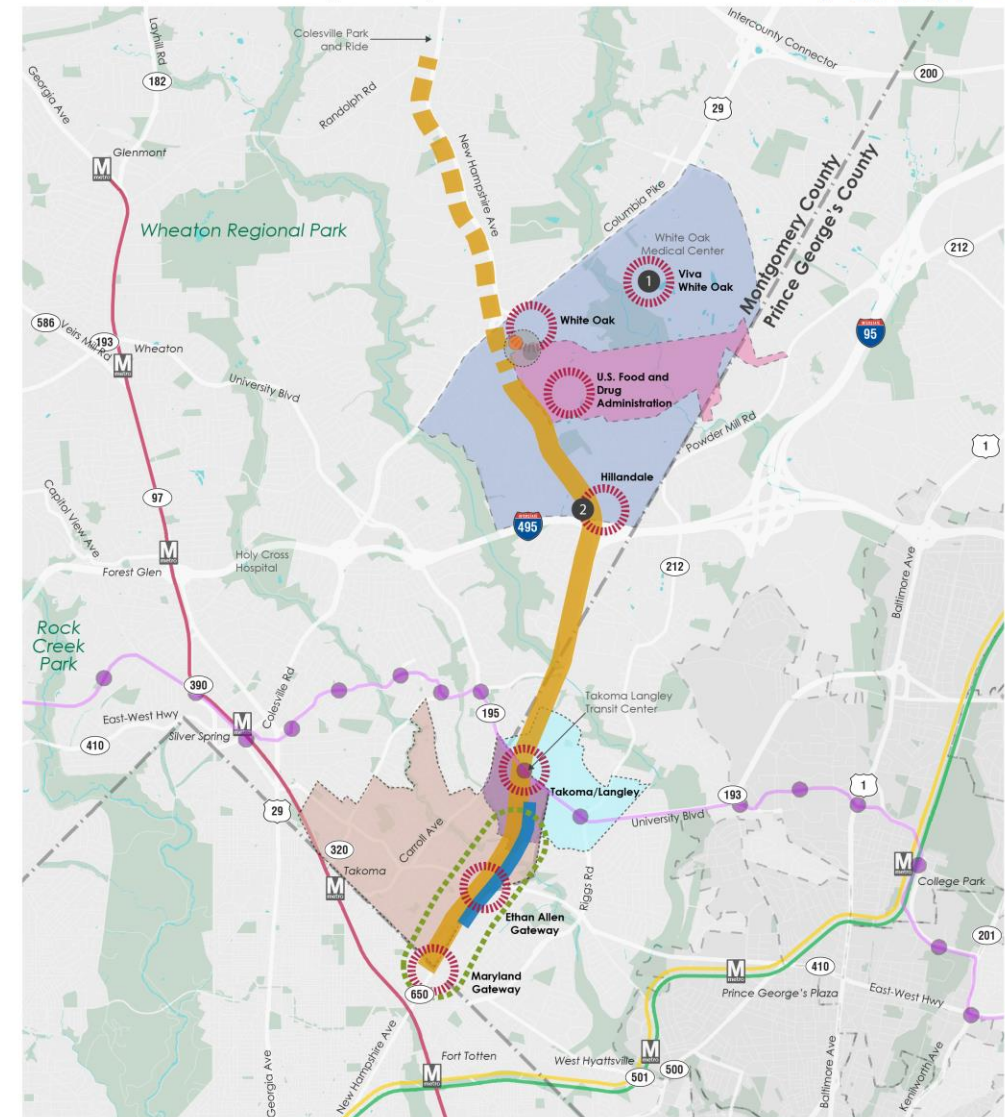
- Multifamily housing between the Beltway and University
- Commercial and multifamily housing at major cross streets
- Single family residential in the north and portions of the south
- FDA Campus

New Hampshire Avenue (MD 650) Study Corridor **FLASH**



Understanding the Corridor – Plans and Development

- Hillandale development
- Purple Line
- Bicycle and pedestrian improvements in Takoma Park
- White Oak and Viva White Oak
- FDA Campus expansion



Understanding the Corridor - Multimodal Connectivity

- Limited bicycle and pedestrian network
- Uncomfortable pedestrian and bicycle experience
- Many bus stops on the corridor

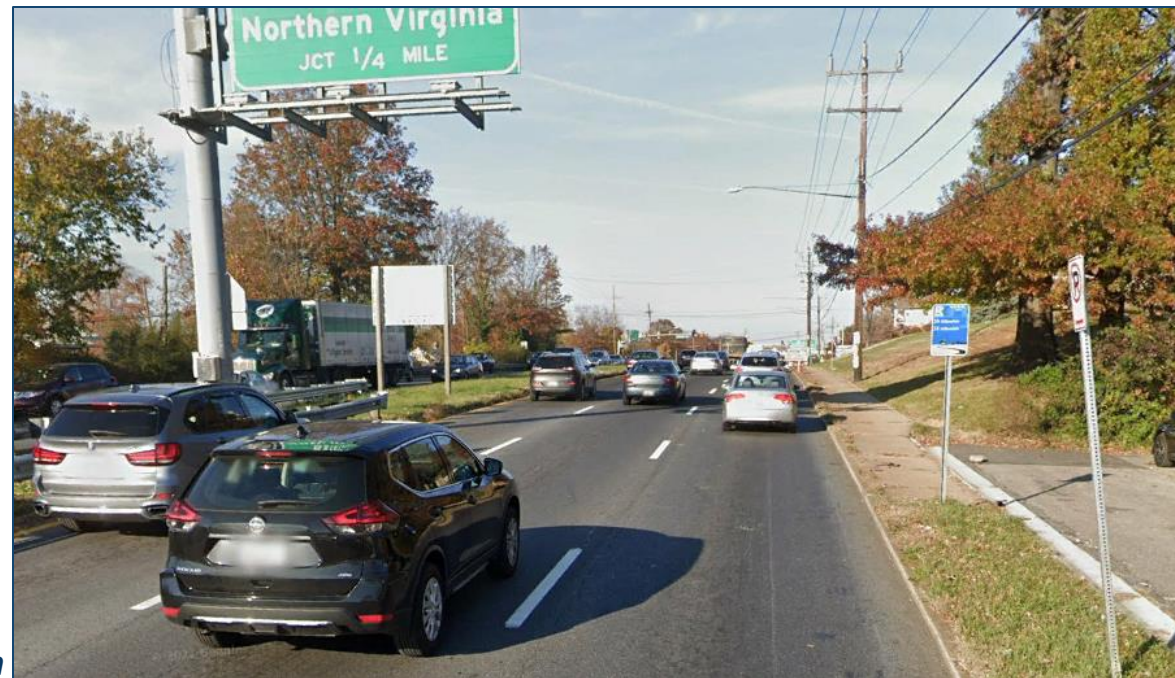
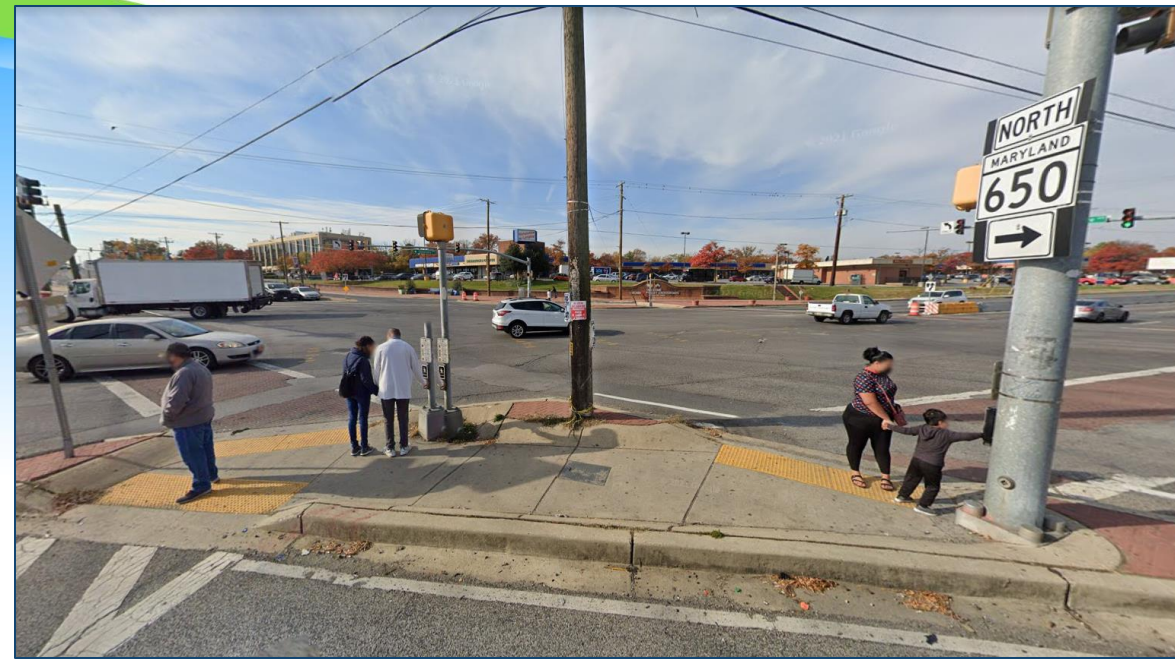


Photo Source: Google Earth

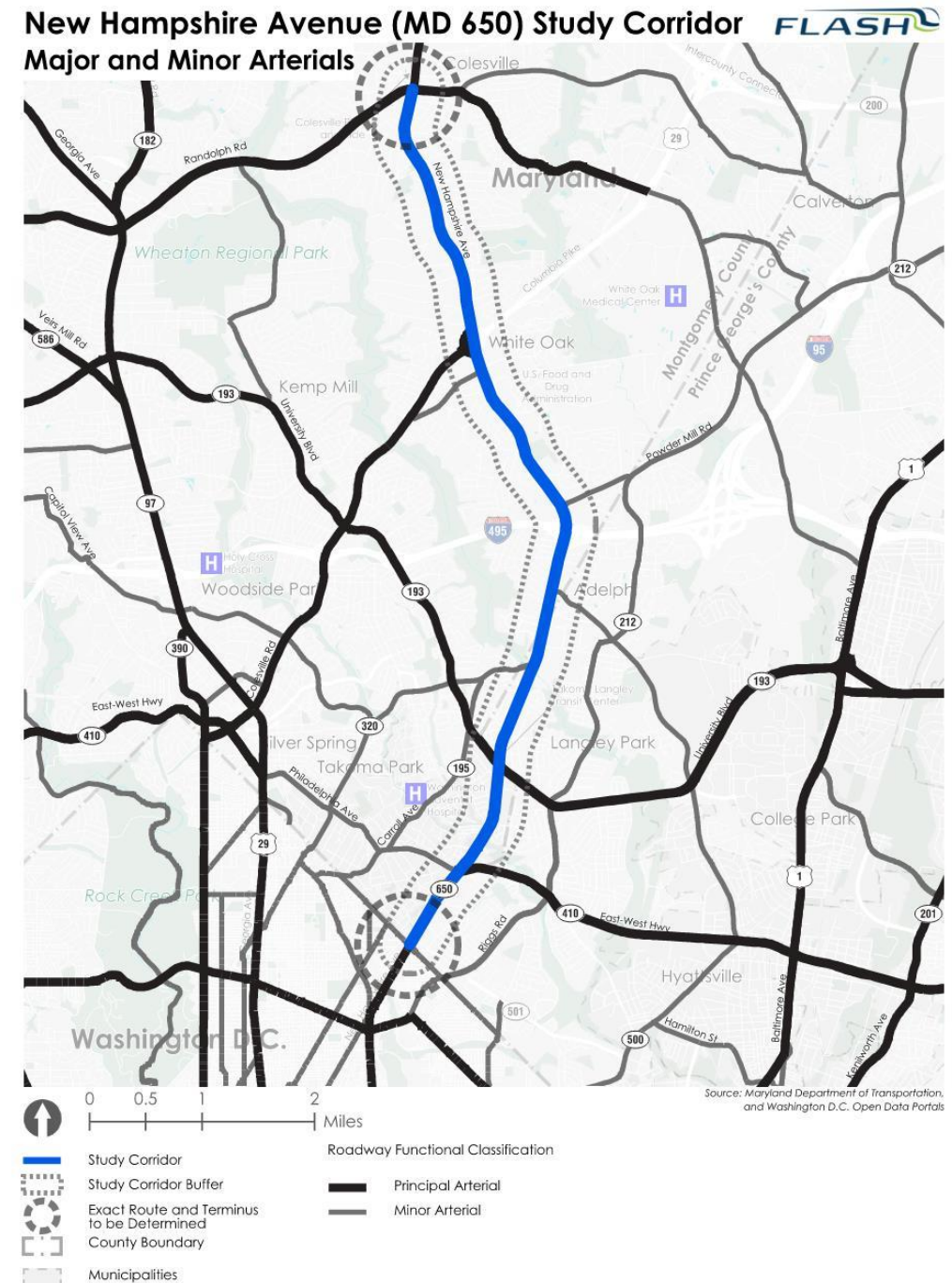


MDOT
Montgomery County
Department of Transportation

Understanding the Corridor

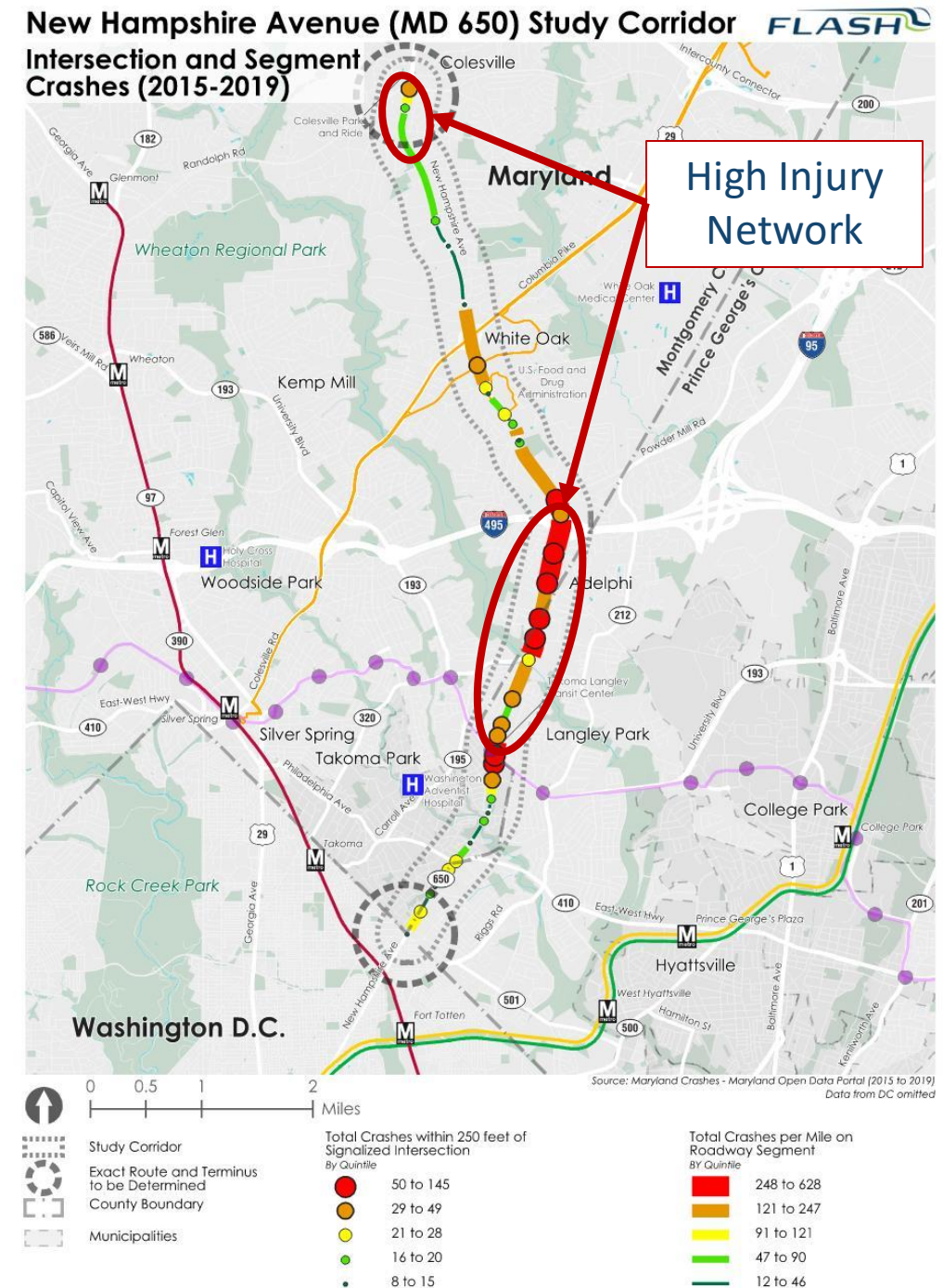
– Network Limitations

- Few major parallel streets
- Street serves multiple modes and different types of trips
- Serves high vehicle volume
- Use service roads for access
- SHA owns the facility



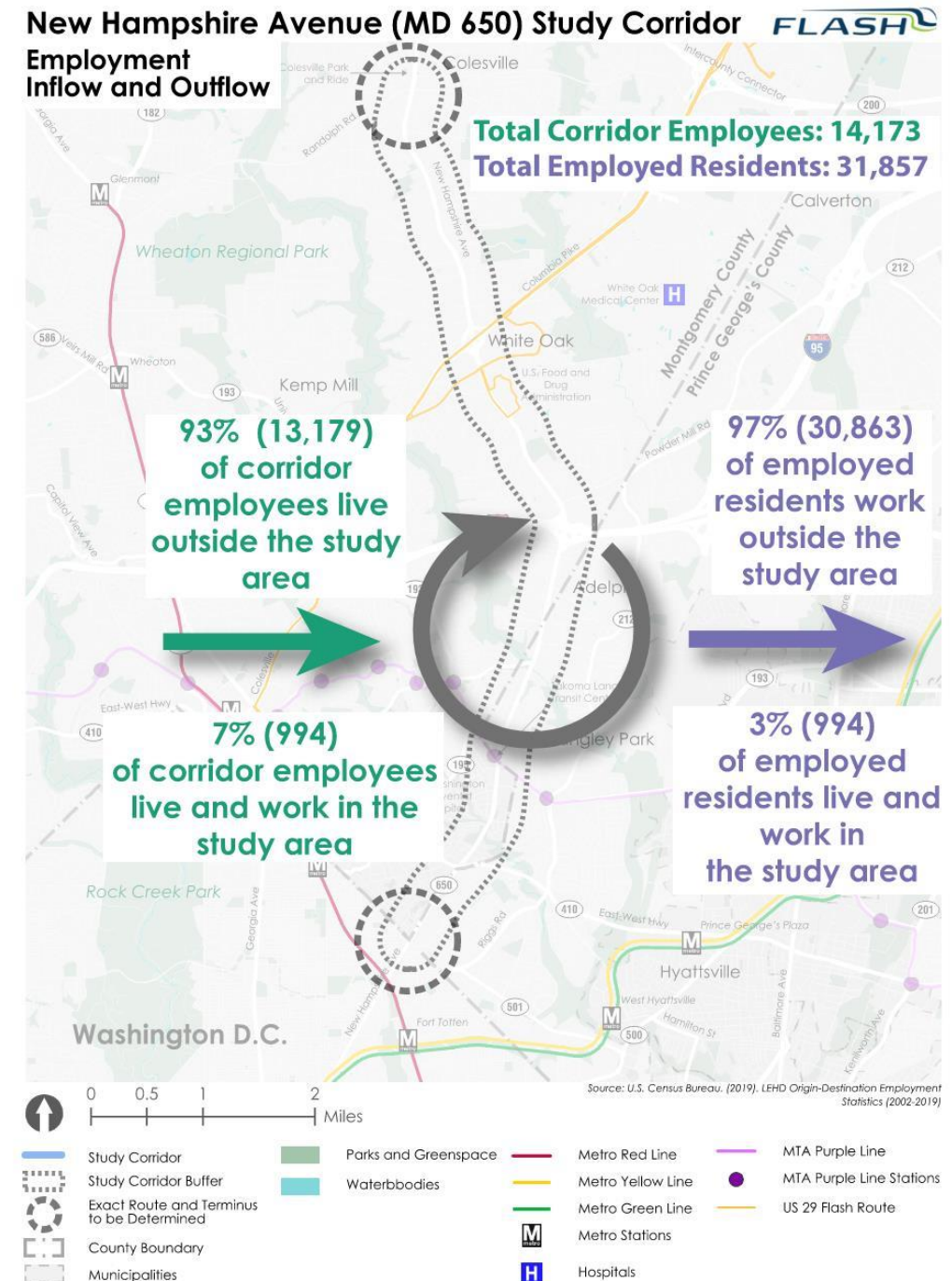
Understanding the Corridor - Safety

- High speed and high activity
- High crash rates
- Severe crashes



Understanding the Corridor – Origins & Destinations

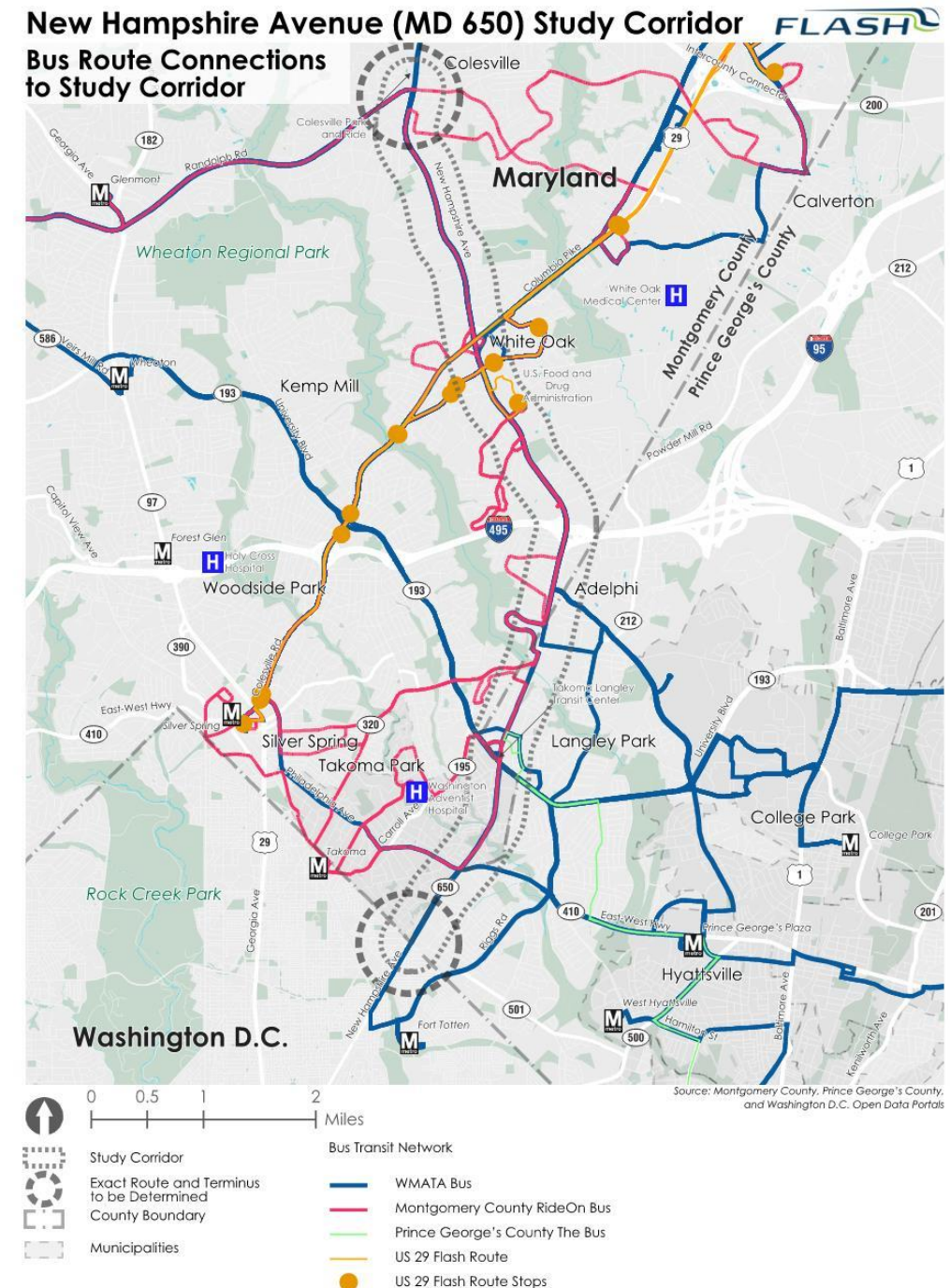
- Few people live *and* work in the corridor
- Most employees working on the corridor live elsewhere
- Most residents on the corridor work elsewhere



Understanding the Corridor

– Transit Connectivity

- Thru bus service from White Oak to Fort Totten Metro
- Frequent service to Silver Spring and Takoma Metro
- Multiple major, frequent crossing services
- High transit ridership at and south of University



How To Use Poll EV



Are there other corridor concerns or characteristics that we should be thinking about?

Engaging the Public

Public Engagement

- Public meetings
- Pop-up meetings
- Community outreach meetings
- Employer outreach meetings
- Corridor Advisory Committee (CAC)
- Technical Advisory Committee (TAC)
- Agency Advisory Committee (AAC)

How To Use Poll EV



How would you suggest engaging the community?

Powered by  **Poll Everywhere**

Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app

Next Steps

Next Steps

- Complete existing conditions analysis
- Refine Goals, Objectives, and MOEs
- Engage additional stakeholder groups
- Public engagement in April / May
- Public meeting in May
- Develop initial corridor concepts



Questions?

Sandra Marks – BRT Project Manager, MCDOT

Sandra.marks@montgomerycountymd.gov

Project Webpage

<https://www.montgomerycountymd.gov/dot-dte/projects/NewHampshireAve/>