



# New Hampshire Avenue BRT Planning Study

Corridor Advisory Committee (CAC)

Meeting #6

April 29, 2025

# Project Team





## Montgomery County Department of Transportation (MCDOT)

- Jamie Henson
- Justin Willits

## Consultant Team

- Jacob Smith
- Shellee Casiello
- Aditya Inamdar
- Tara Hofferth
- Fernando Snellings
- Sharron Lipford

# 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
-  CAC members, Please raise your hand to indicate you'd like to speak

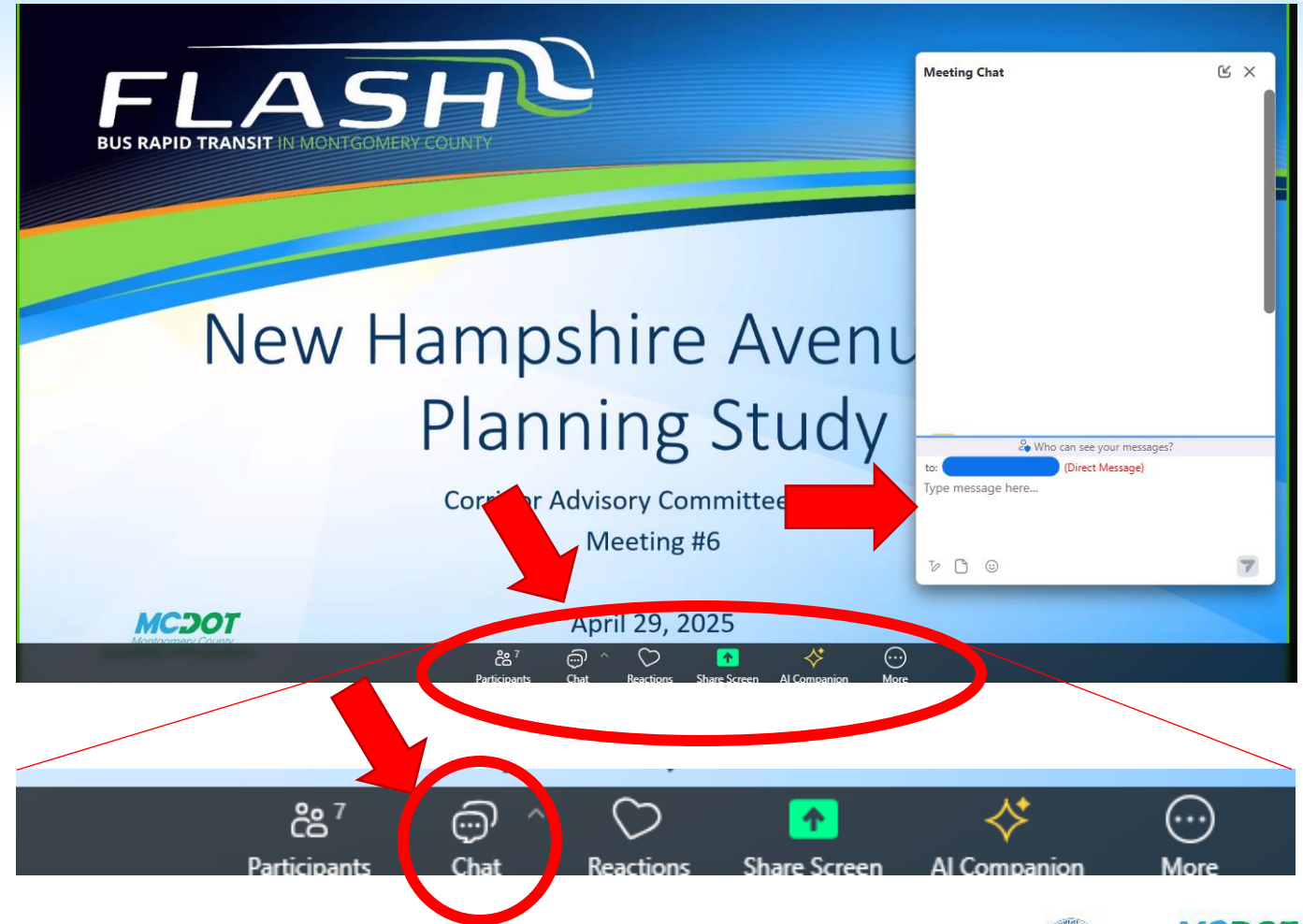
# Using Zoom

Ask a question (in text):

- All participants, if you have a question during the presentation, please send it via the **chat**. The project team will monitor.

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:

- CAC Members, 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.



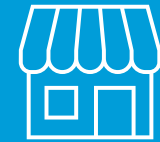
# CAC Role & Participants

- Provide input, guidance and oversight in accordance with the Master Plan
- Community involvement throughout project
- Information sharing with community
- Build consensus
- CAC Members – Please raise hand if you like to introduce yourselves

Residents



Business Stakeholders



Civic / Citizens Associations



Advocacy Groups



# Meeting Agenda

- Review of Goals for This Meeting
- Study Overview
- Project Updates
- Review Hybrid Alternative
- Alternative Analysis Results Including Hybrid
- Next Steps

# Goals for today

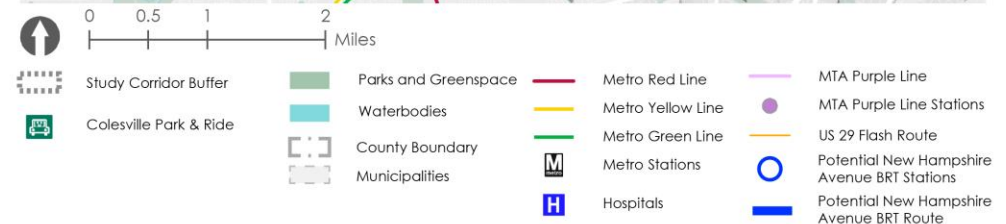
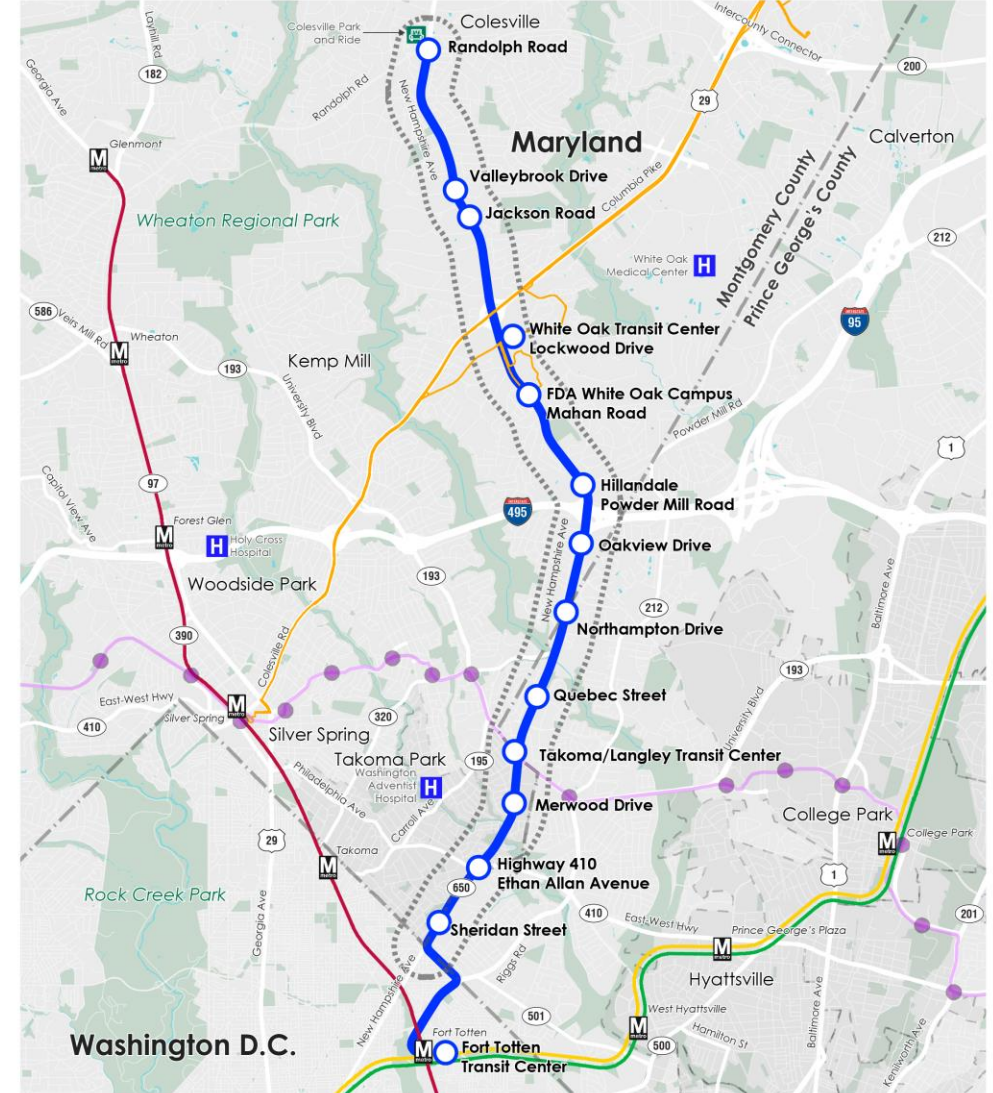
- Provide project updates since the last CAC meeting
- Review Hybrid Alternative and analysis results
- Share approach to upcoming outreach activities
- Discuss next steps



# Study Overview

- **Corridor Extents:**
  - **Southern Terminus:** Fort Totten Metrorail Station
  - **Northern Terminus:** Colesville Park and Ride
- **This Study Has:**
  - Identified preliminary station locations
  - Developed and evaluated alternatives for BRT
- **This Study Will:**
  - Identify a preferred alternative for BRT

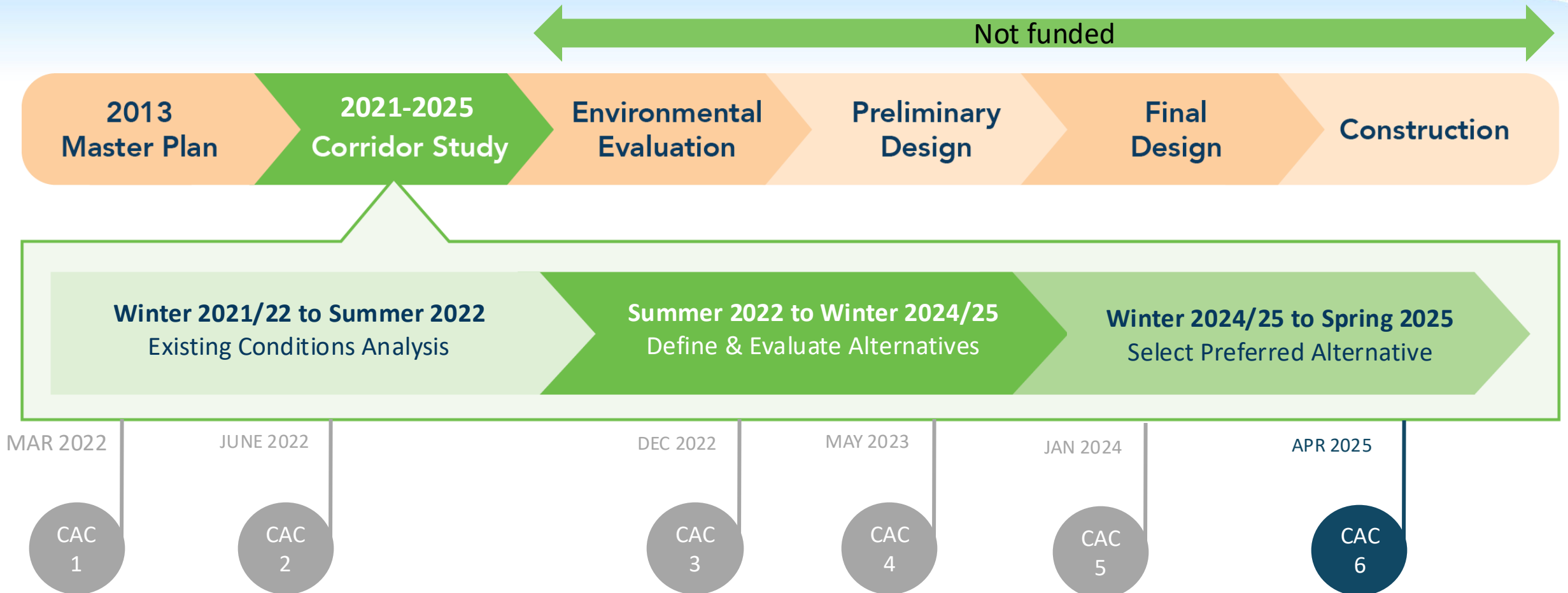
## New Hampshire Avenue (MD 650) Study Corridor



# Project Recap



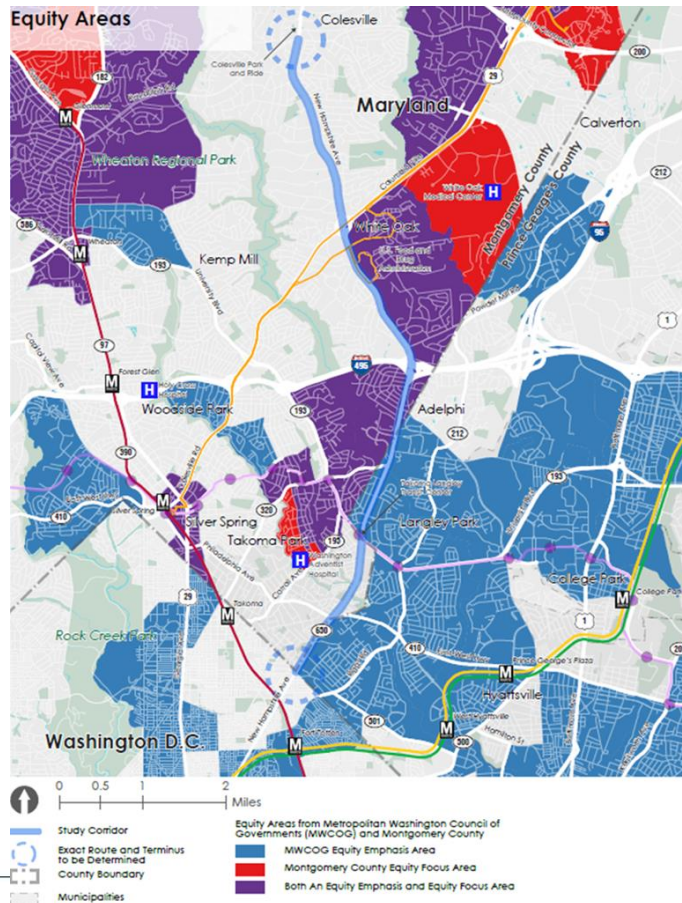
# Project Recap



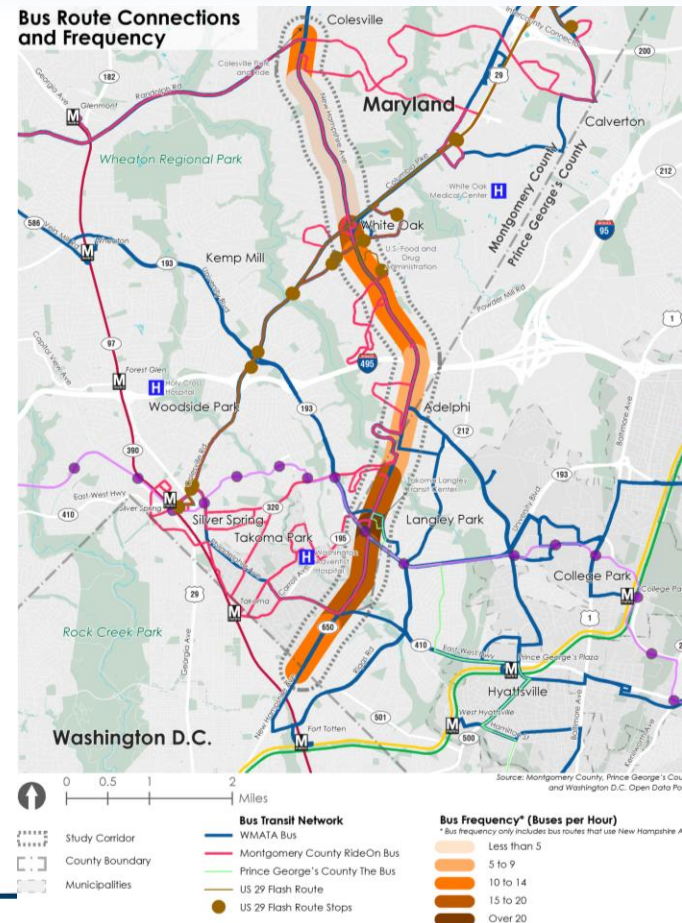


# Key Findings from Existing Conditions

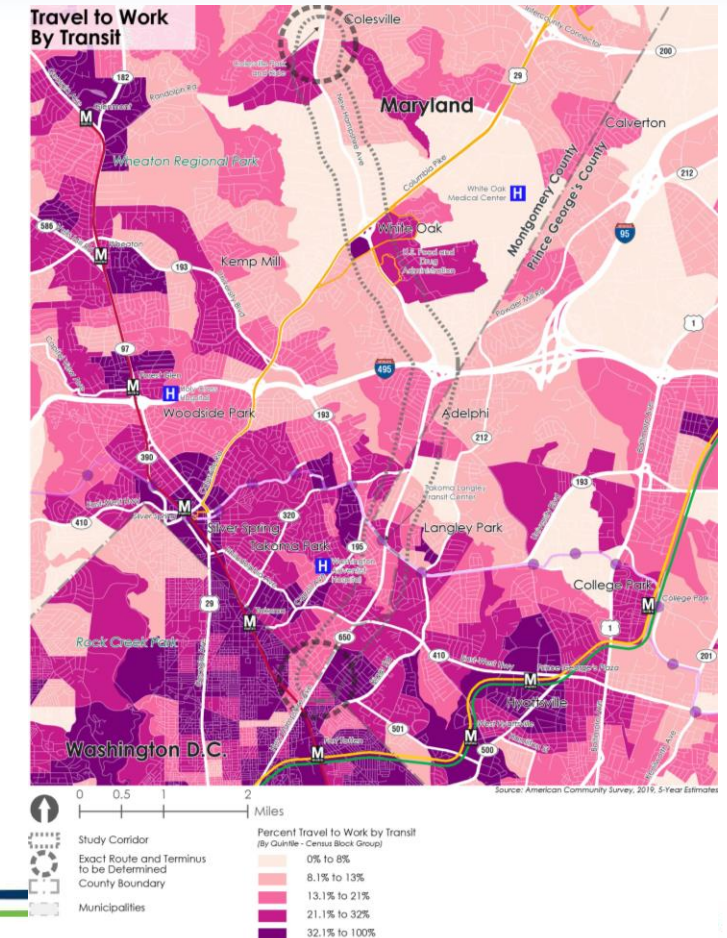
About 70% of the corridor is within ½ mile of an equity area



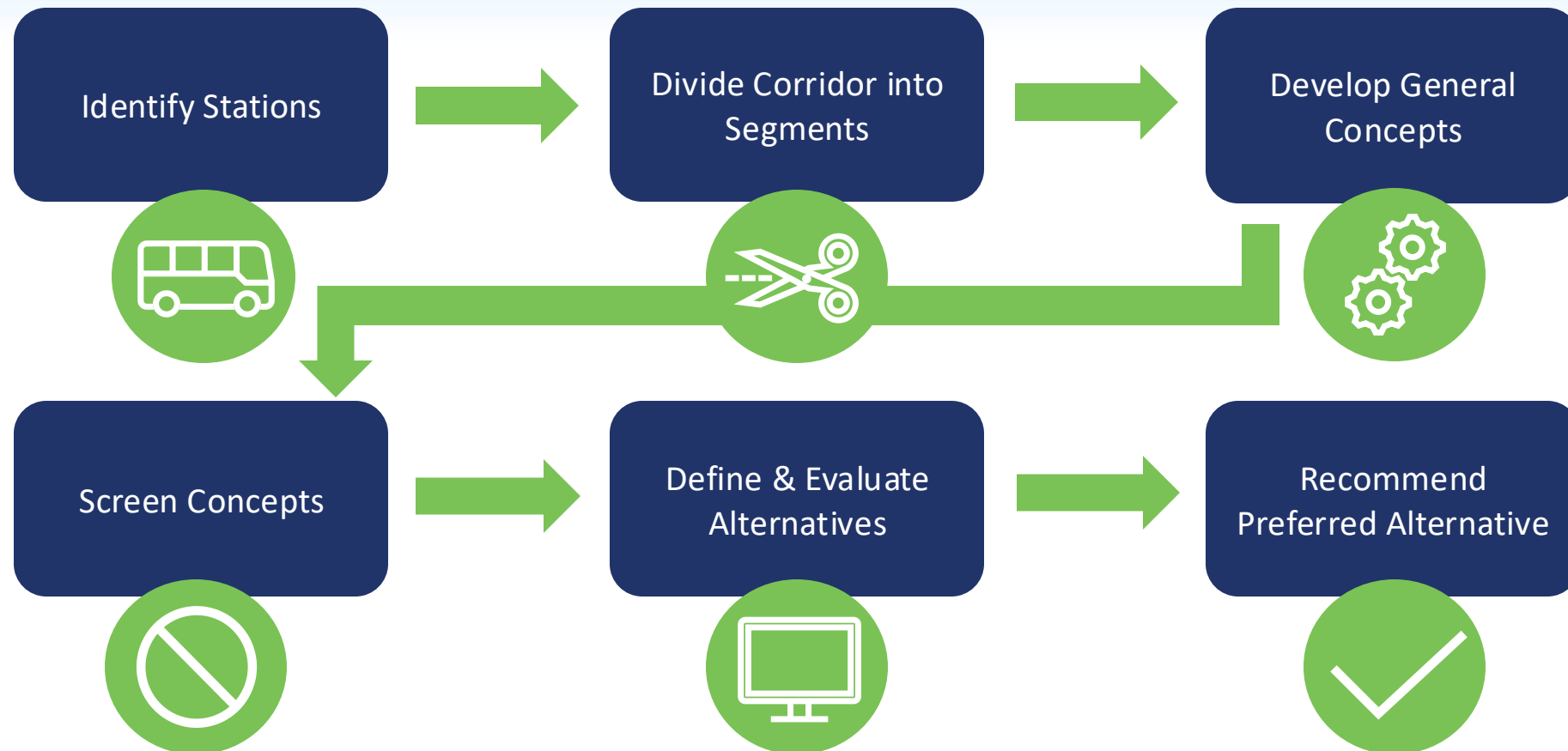
Multiple bus routes with high bus frequency. Many local bus routes use corridor for short stretches



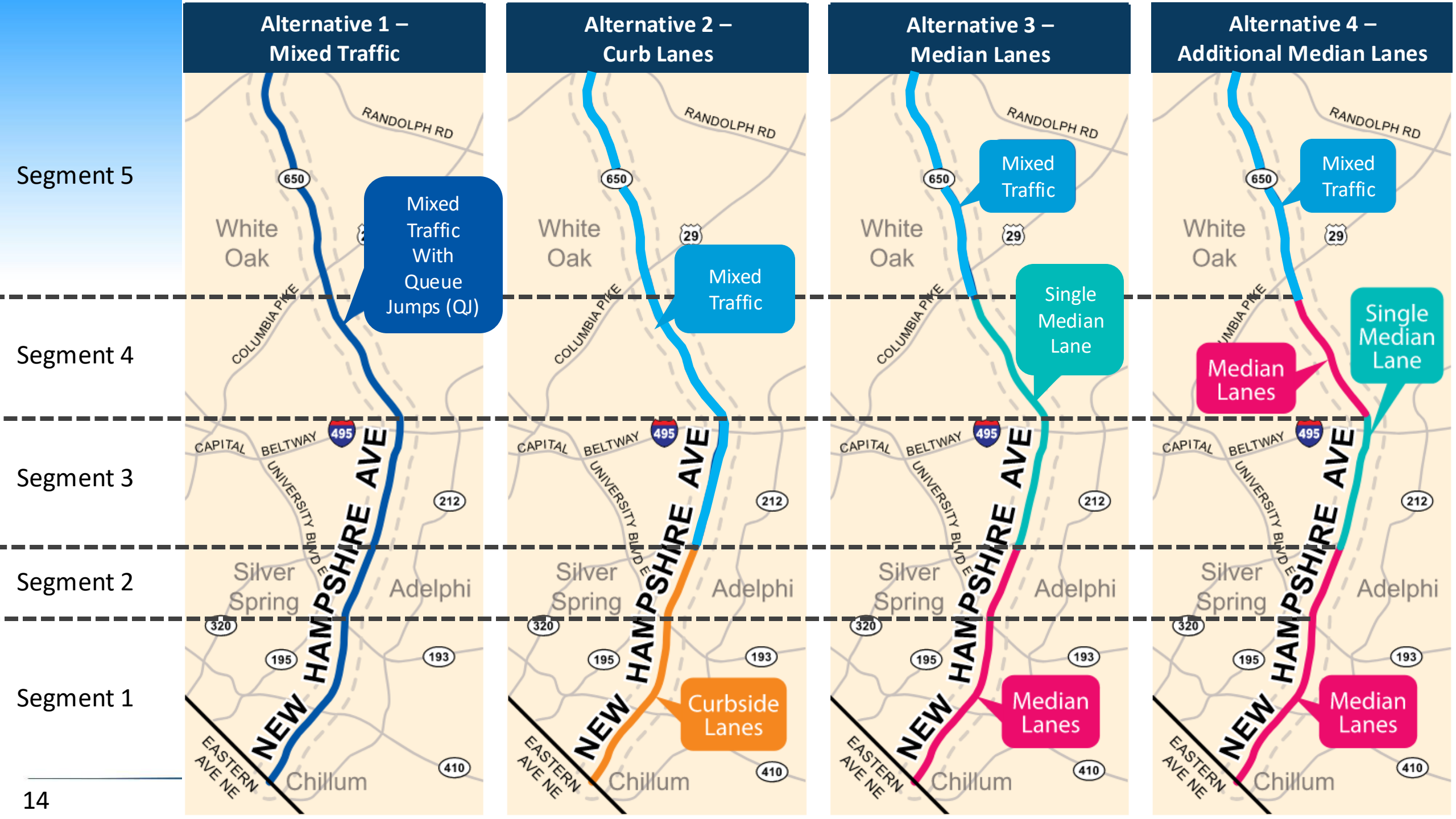
High transit ridership in southern part of the corridor



# Approach to Develop & Evaluate Alternatives





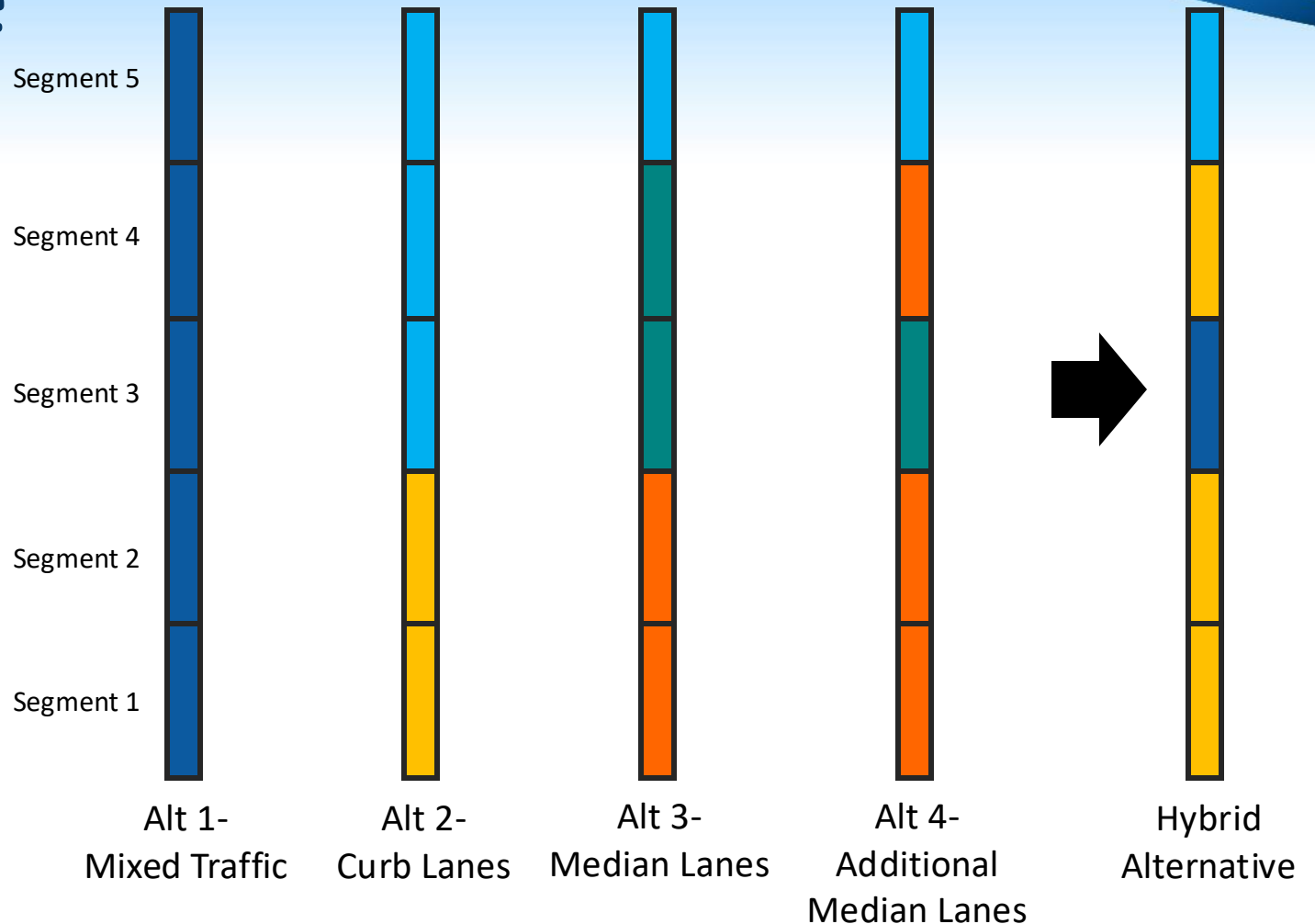
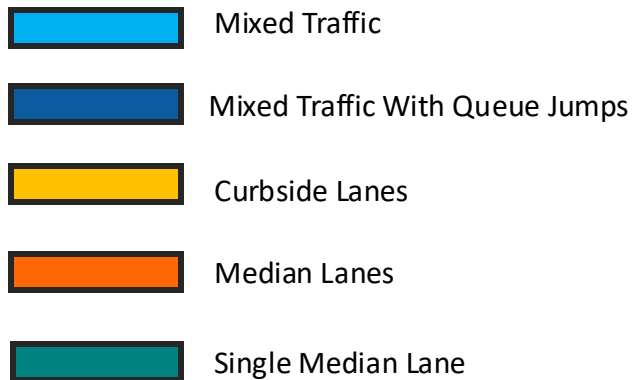


# Evaluation Metrics

- BRT Travel Time
- Local Bus Travel Time
- Vehicle Travel Time
- Right-of-Way Required
- Cost per Mile
- Total Construction Cost
- Construction Duration
- Jobs Accessibility
- Transit Ridership

# Approach to Develop a Hybrid Alternative

- None of the four alternatives perform best across evaluation criteria for all segments
- A Hybrid Alternative has been assembled by mixing and matching best performing segments across alternatives

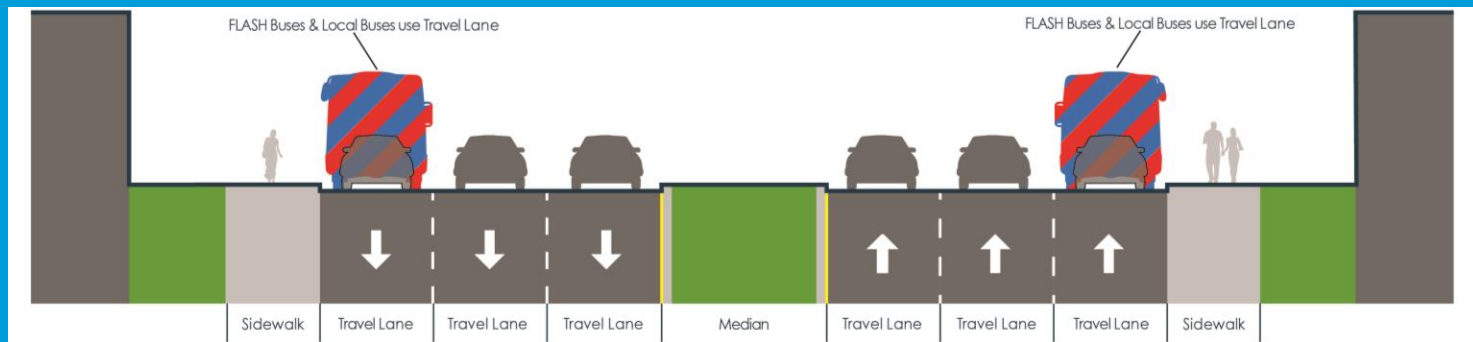


# Hybrid Alternative

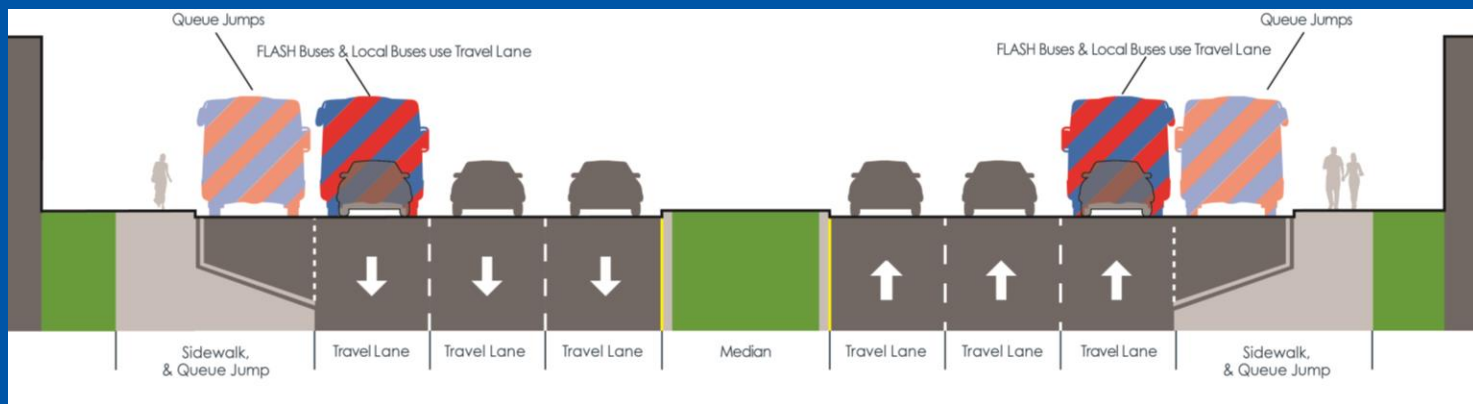
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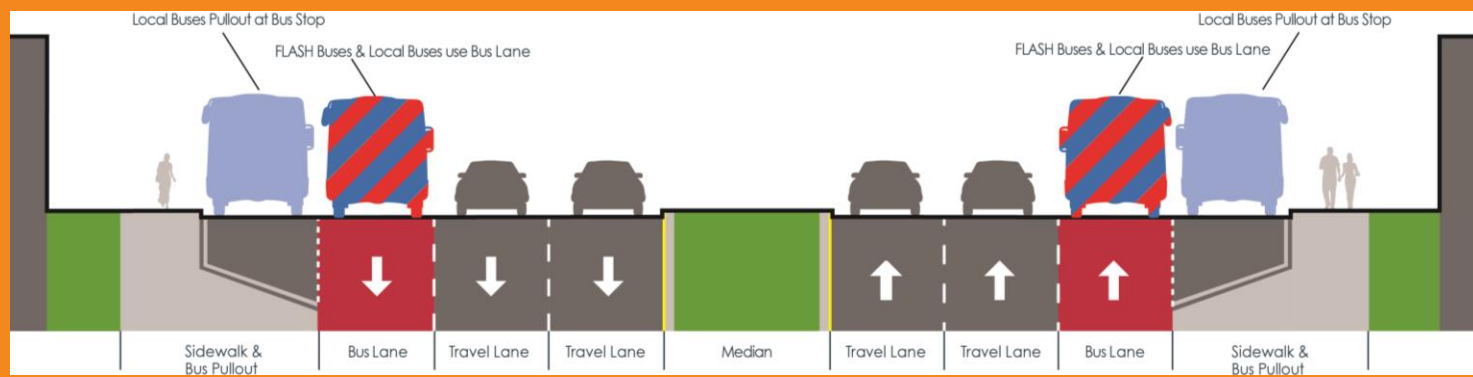
## Mixed Traffic (Lockwood Dr to Randolph Rd) – Segment 5



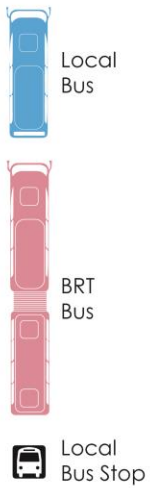
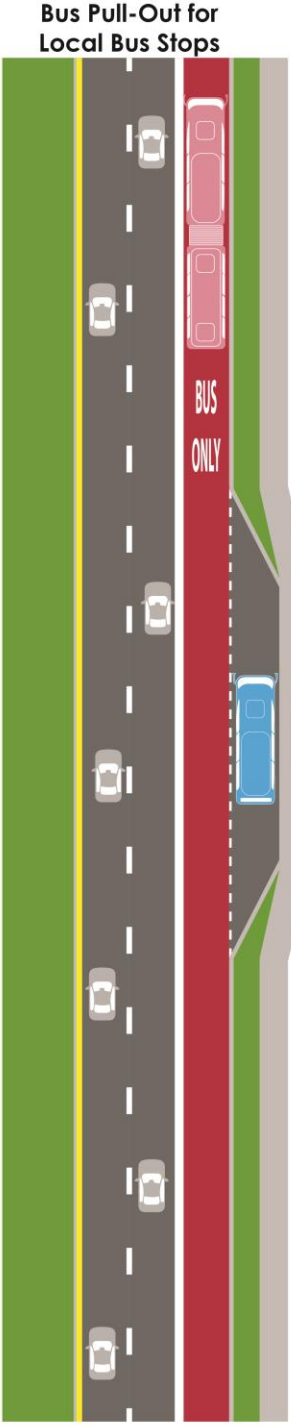
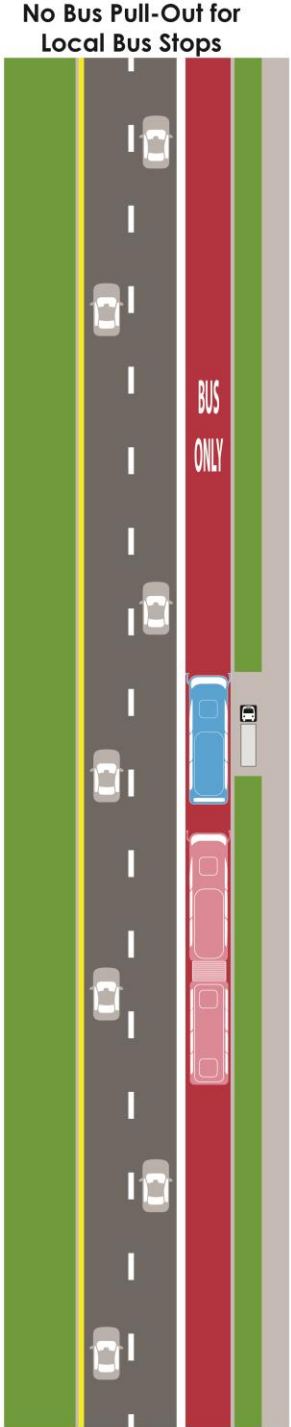
## Mixed Traffic with Queue Jumps (QJ) (Piney Branch Rd to Powder Mill Rd) – Segment 3



## Curbside Lanes and Local Bus Pull-Outs (Eastern Ave to Piney Branch Rd) – Segment 1 & 2 (Powder Mill Rd to Lockwood Dr) – Segment 4



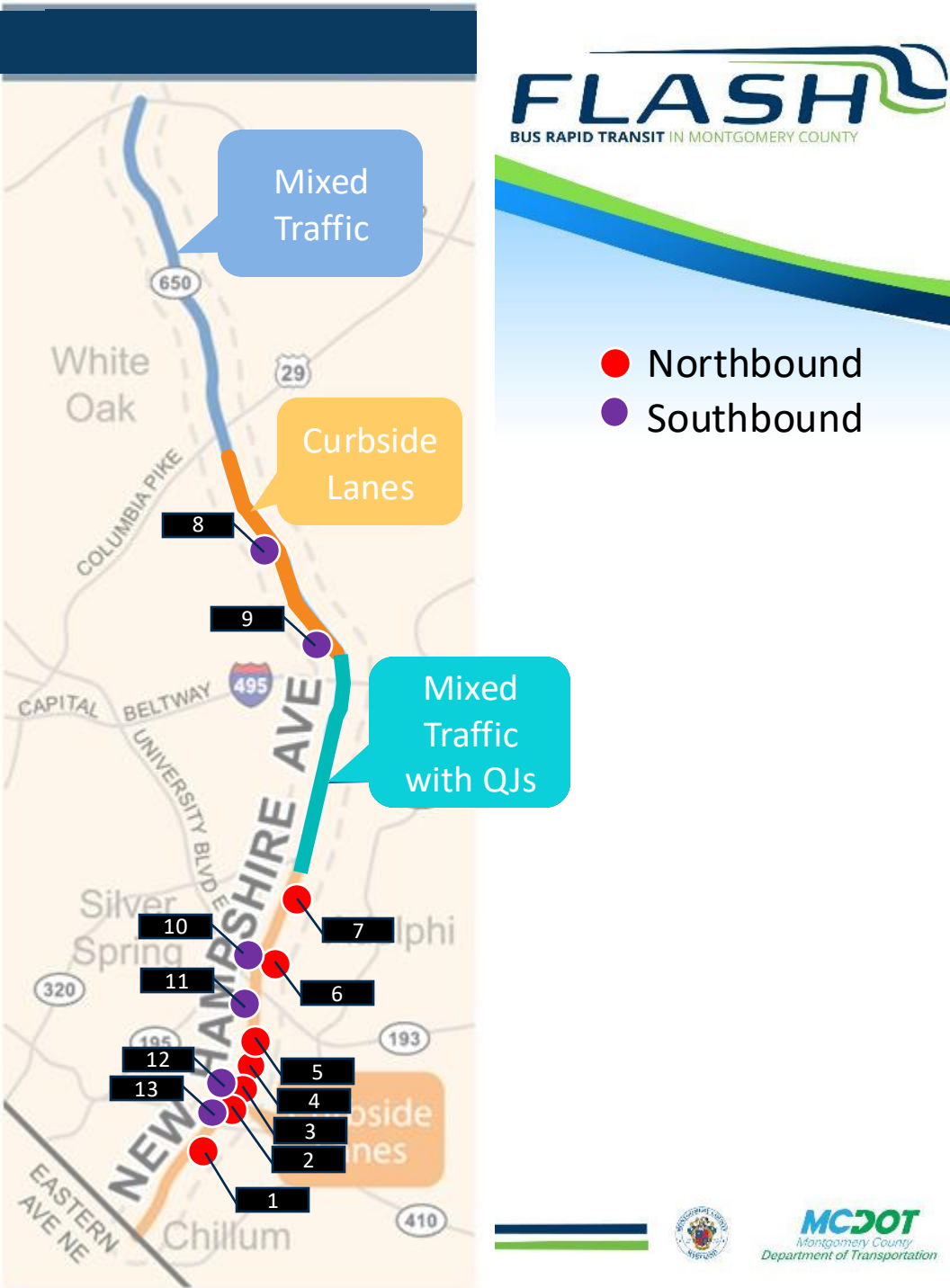
# Local Bus Pull-Outs





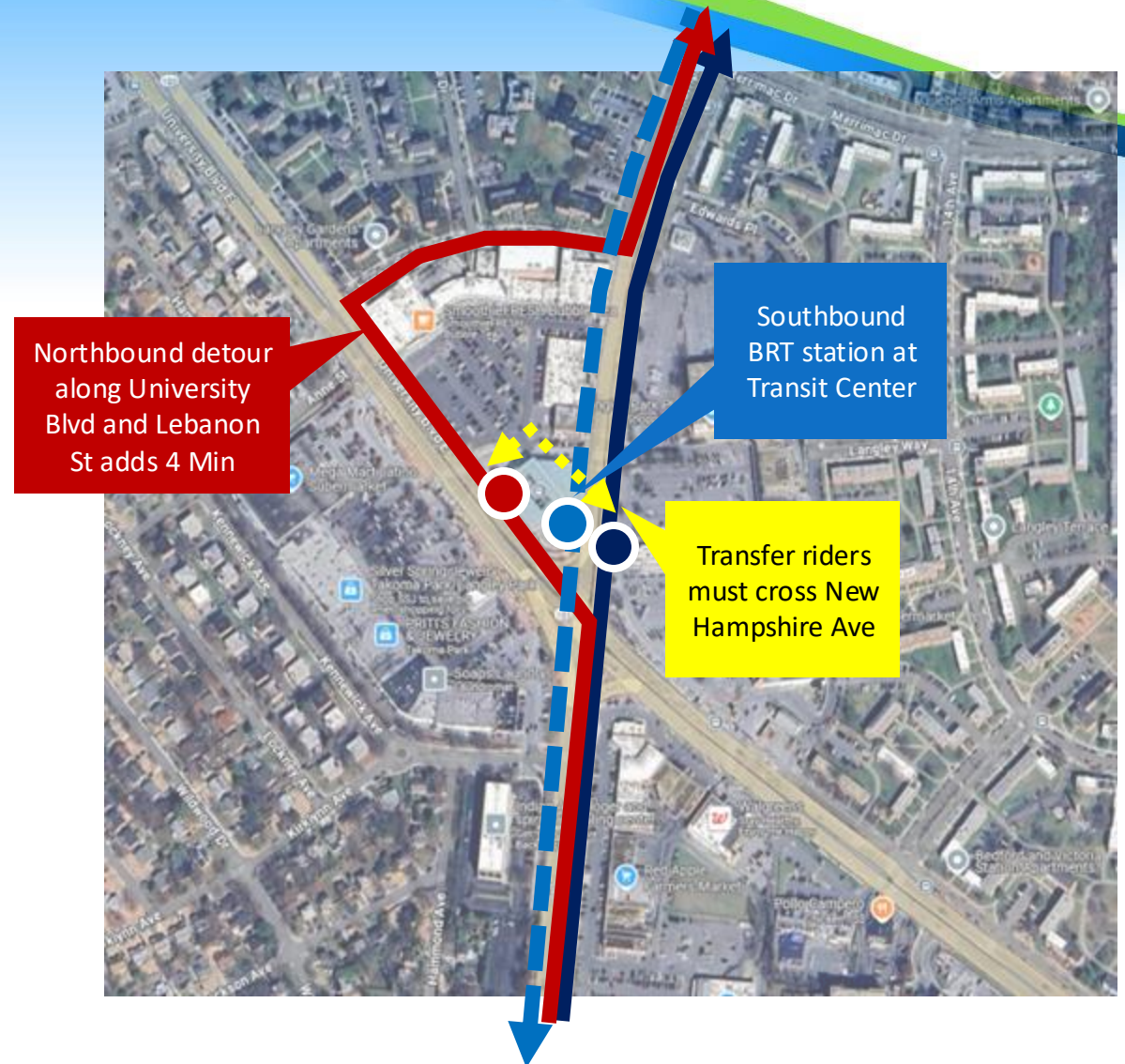
# Local Bus Pullouts Locations

No.	Location Cross Street	Direction
1	Belford Pl	Northbound
2	Kentland Ave	
3	Larch Ave	
4	W Sligo Creek Pkwy	
5	Erskine St	
6	Merrimac Dr	
7	Quebec St	
8	Chalmers Rd	Southbound
9	Overlook Dr	
10	Merrimac St	
11	Holton La	
12	Larch Ave	
13	Devonshire Rd	



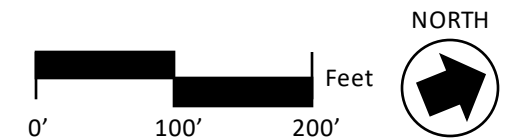
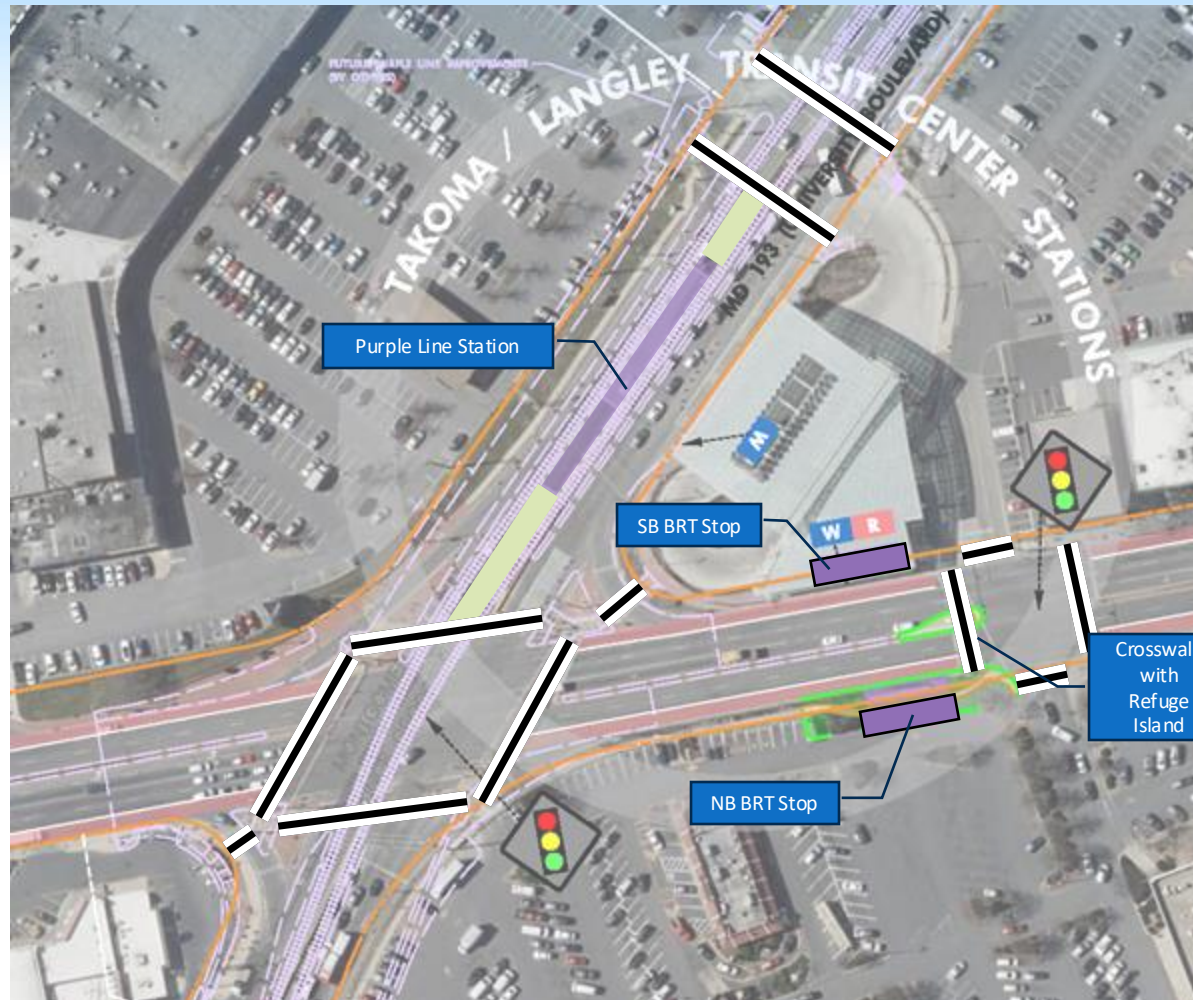
# Northbound BRT at Takoma Langley Transit Center

- Compared different stop locations for Northbound BRT stop at University Blvd/Takoma Langley Transit Center
  - Stop in transit center
    - CON: Adds ~4 minutes of travel time
  - Stop along Northbound New Hampshire Avenue
    - CON: 6-lane crossing to the transit center and 8-lane crossing to the Purple Line station





# Crossing at Takoma Langley Transit Center



# Travel Time Comparisons

Peak Period Commute Round Trip in Minutes  
(AM Southbound + PM Northbound)  
Between Sheridan Street and Mahan Road (5 Miles)

Hybrid Alternative is the best performing alternative for BRT and Local Buses

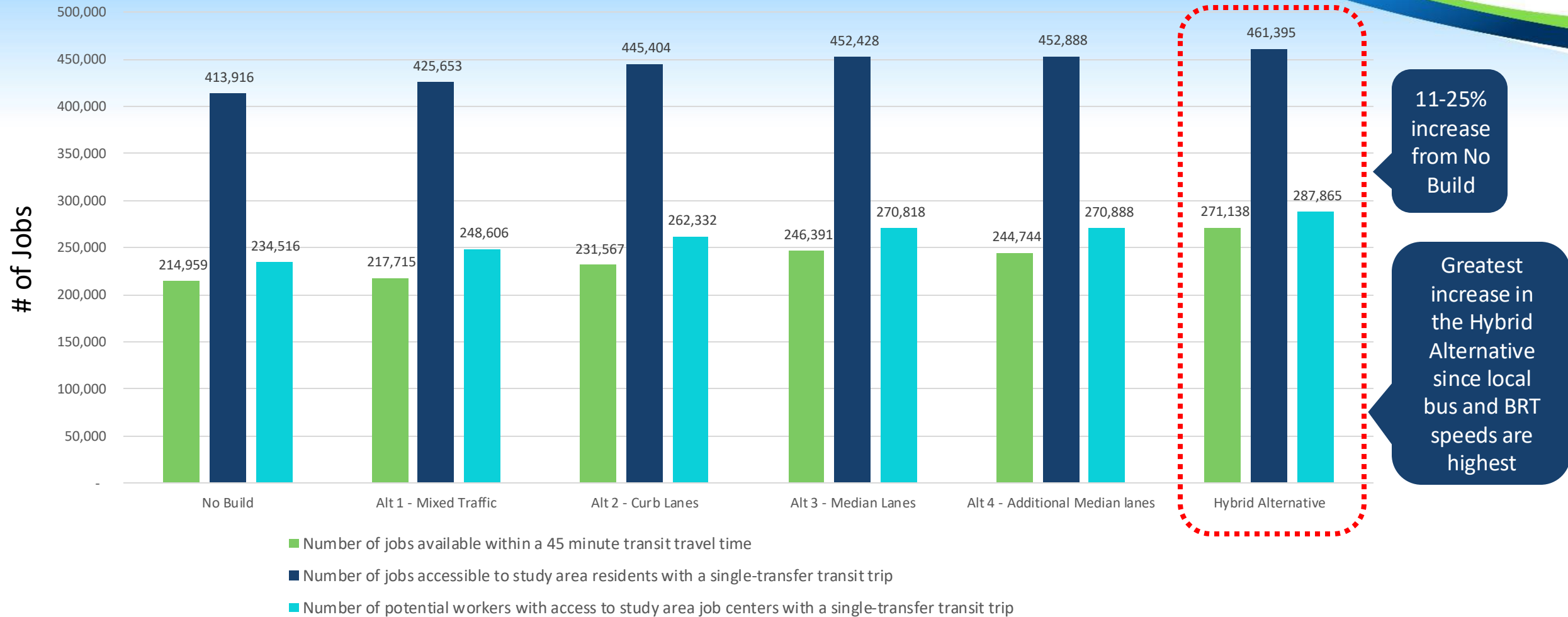


Mode	No Build	Alt 1 – Mixed Traffic	Alt 2 – Curb Lanes	Alt 3 – Median Lanes	Alt 4 – Additional Median Lanes	Hybrid Alt
BRT	N/A	47.3	43.1	36.4	36.3	33.4
Local Bus	62.6	47.0	43.2	64.7	67.5	38.2
General Traffic	48.0	31.3	45.7	47.5	50.2	39.9

Note: All alternatives assume a northbound BRT stop on New Hampshire Avenue and not in the Takoma Langley Transit Center



# Transit Accessibility to Jobs

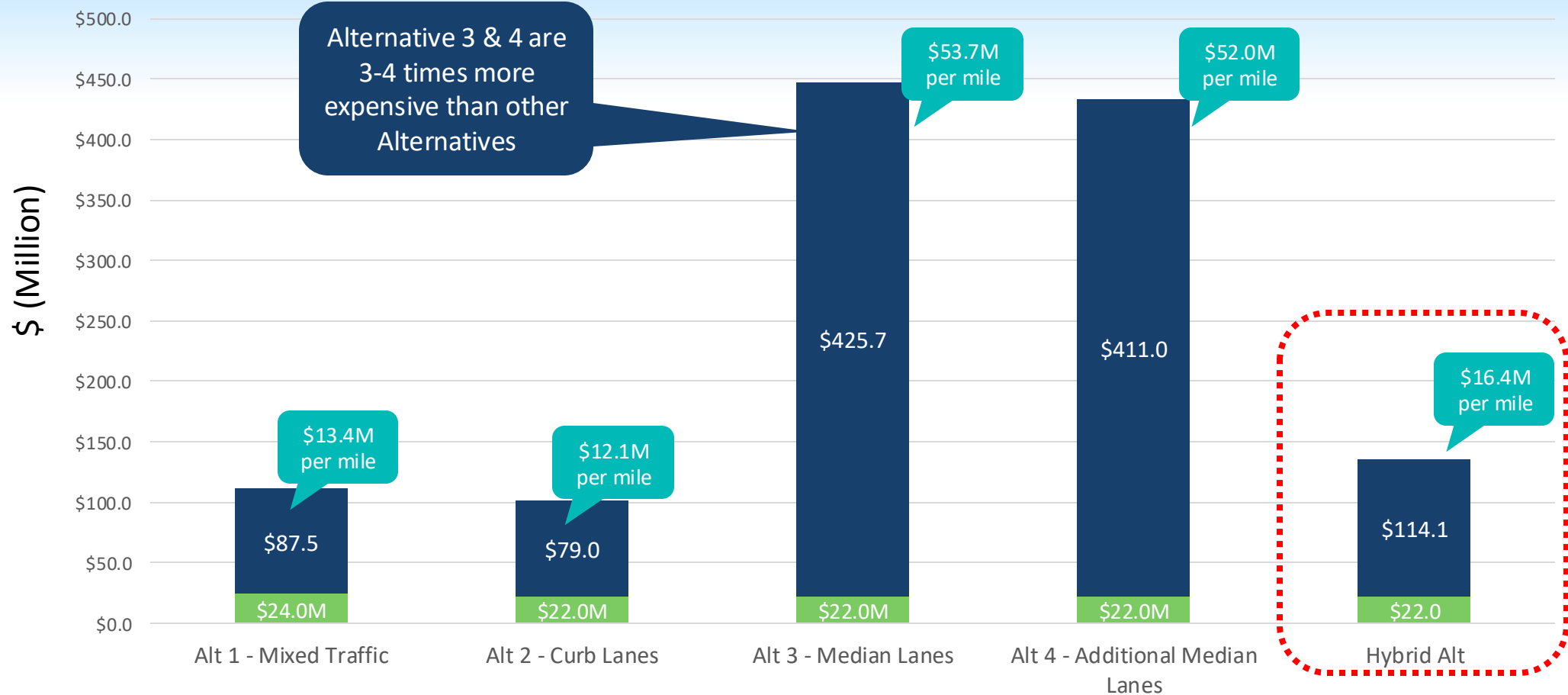


Note: Based on Remix Analysis with 2023 LEHD data for all alternatives





# Total Capital Costs (Including Design)



Costs are in 2023 dollars

■ Rollingstock Cost

■ Total Construction, Design, and Overhead Cost

# Hybrid Alternatives Key Takeaways

- Shortest travel times for both BRT and local buses
- Reduces general traffic travel time more effectively than most scenarios
- Local bus pull-outs save around 3.6 minutes in peak travel direction
- Specific locations of local bus pull-outs can be revised

# Outreach Goals



Connect broadly with the diverse communities along the corridor.



Clarify BRT concepts and articulate opportunities and challenges.



Focus on community needs and impacts.



Gather meaningful feedback to develop and refine alternatives.

# Outreach Activities

- Pop-ups events in April and May 2025
- In-person public open house on May 14, 2025, at Langley Park Community Center (6 – 8 pm)
- Online survey from late April to early June 11 (paper version available at public events)
- Other community meetings in May 2025
- Planning Board and County Council Meetings in Summer/Fall 2025

# Call for Action

- Fill out the survey – <https://www.surveymonkey.com/r/25YSDFW>
- Distribute the survey through your networks
- Share information about the public open house - May 14, 2025, at Langley Park Community Center (6 – 8 pm)
- Participate in the public open house
- Let us know about any other community meetings that we could present at



Survey QR Code



# Finalizing the Study

- Develop a report documenting the entire study – Spring/Summer 2025
- Planning Board Review – Summer/Fall 2025
- Council Selection of a Locally Preferred Alternative – Summer/Fall 2025

Thank You!

Questions & Discussion