DUKE STREET 7N MOTION

Advisory Group Meeting #8

February 16, 2023



alexandriava.gov/DukeInMotion





Welcome!



Introductions & Meeting Background

Public Comment



Review Elements of AG Recommendation to Council



Curb Features & Guiding Principles



Review Curb Feature Design Elements & Visuals





Next Steps

Approval of Meeting Minutes #7

AG Roles and Responsibilities

- ✓ Relay information
- ✓ Participate
- ✓ Provide feedback
- ✓ Respect each other
- ✓ Represent groups
- ✓ Build on decisions





Meeting Goals



Understand expectations for an ultimate recommendation on curb features



Discuss curb features and review visuals of curb feature designs



Provide input to help Project Team refine options presented



Provide input on whether other options should be considered



Provide input on **priorities** in constrained locations



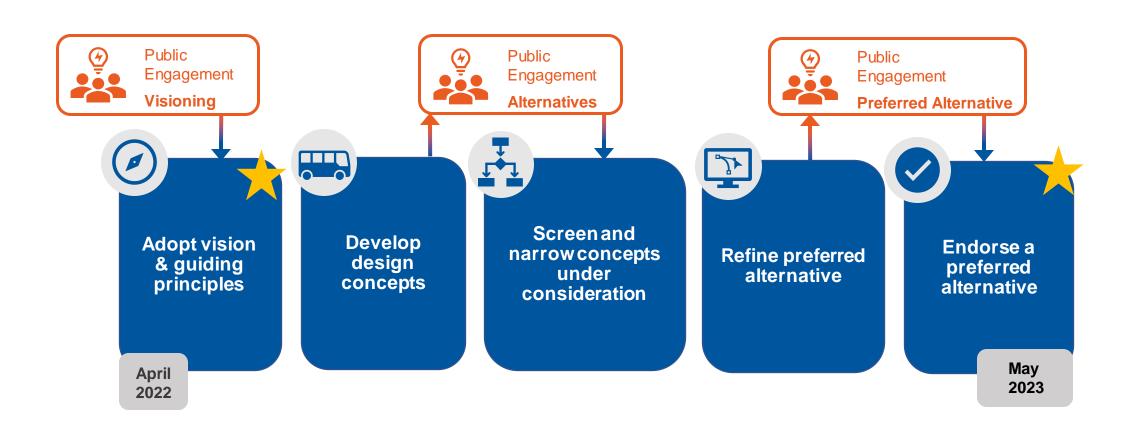


- <u>2 minutes</u> to speak
- Virtual attendees can raise hand in Zoom or press *9 on your phone
- If you have questions or comments after this public comment period, please reach out to Jennifer.Monaco@alexandriava.gov
- Written comments will be shared with the Advisory Group





AG Process



Curb Features Elements

2012 Work Group references:

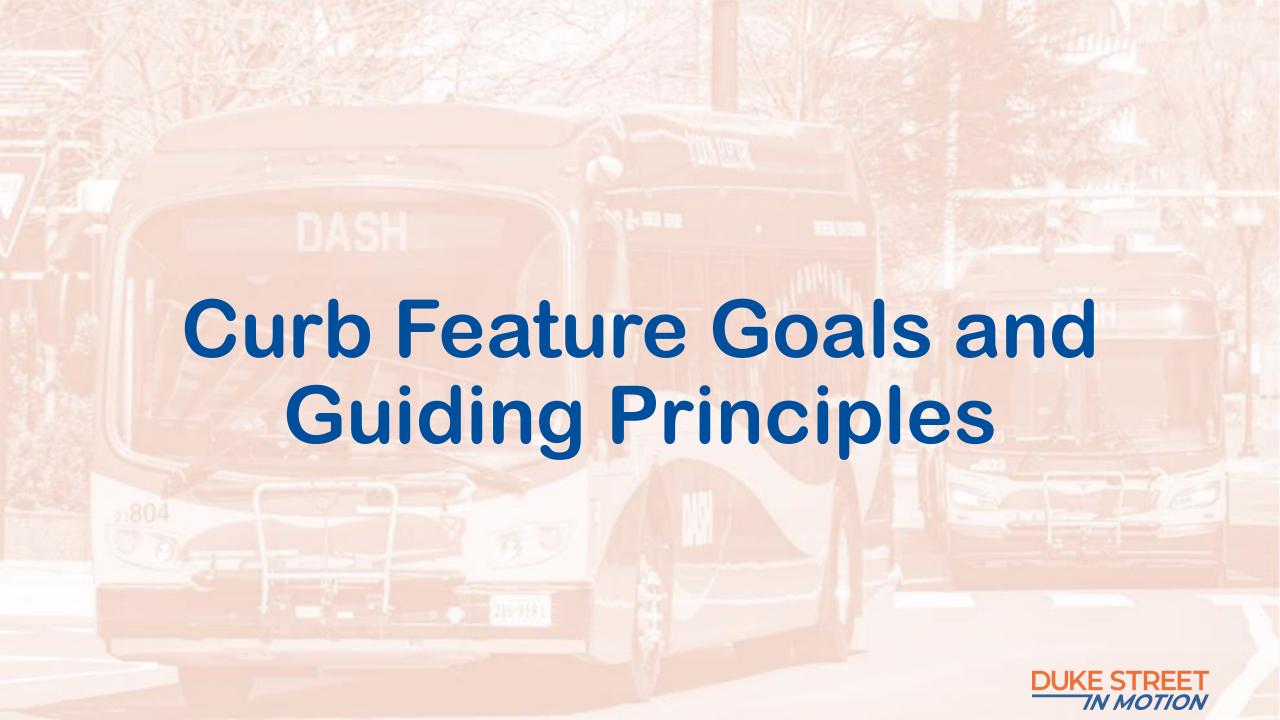
- Examine parallel off corridor bike facility
- Provide improved
 walking conditions at
 intersections and near
 transit stations.
- Prioritize pedestrian safety at Taylor Run Parkway



Typical cross section for each segment



Priorities for constrained spaces (e.g. shared use path or dedicated pedestrian facility)



Guiding Principles

GUIDING PRINCIPLES

CURB FEATURE GOALS



Efficient

Improved walking and biking access to stations



Equitable

- Improved ADA accessibility
- Additional and improved sidewalks
- Improved connectivity



Safe

- Additional crossing locations, improved crosswalk timings
- Improved safety on sidewalks
- Reduced person-vehicle interaction



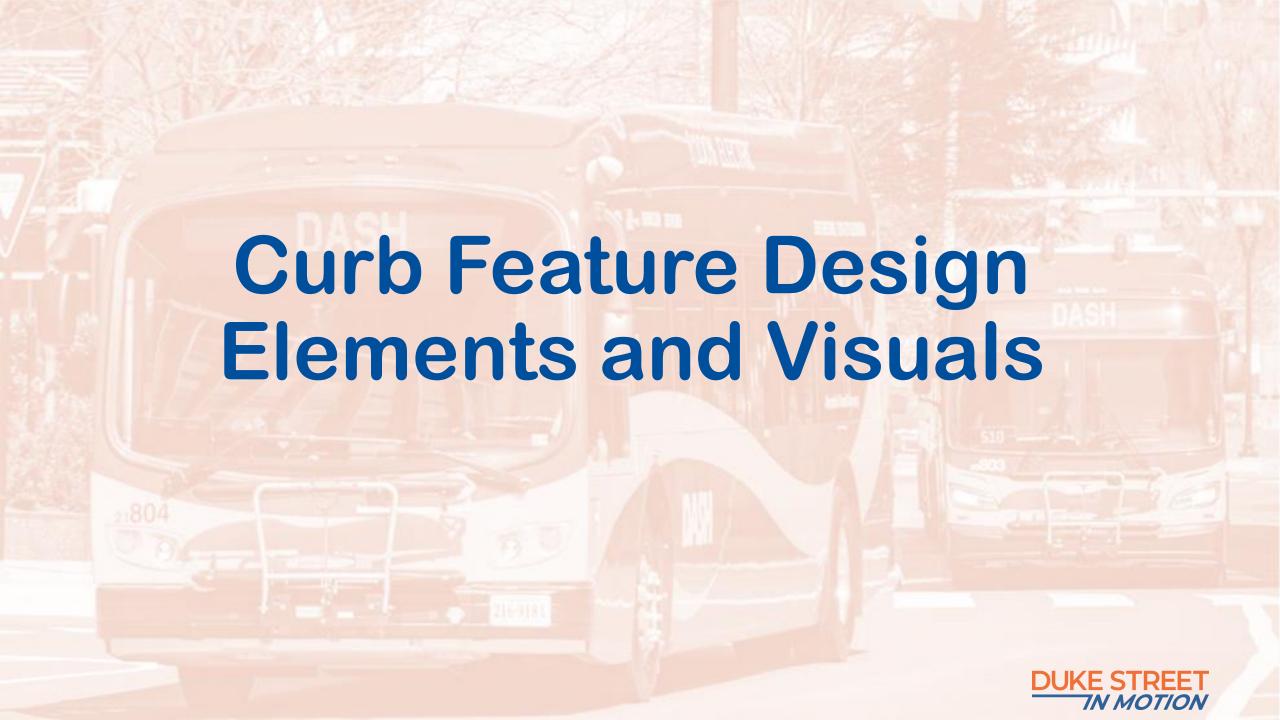
Vibrant

Improved streetscapes and green space



Sustainable

- Improved stormwater management
- Increased tree canopy volume



Design Goals



Within City right-ofway, as possible



Best address guiding principles



Usable buffer space, as possible

Help achieve vision of Duke Street as a designated "enhanced bicycle corridor"

Proposed East – West Curb Features

(North Side of Duke Street)



Shared Use Path

Cycle Track + Sidewalk

Potential Woonerf (shared street) Location on Service Road

Proposed Facility / Types: Biking

Two-way cycle track



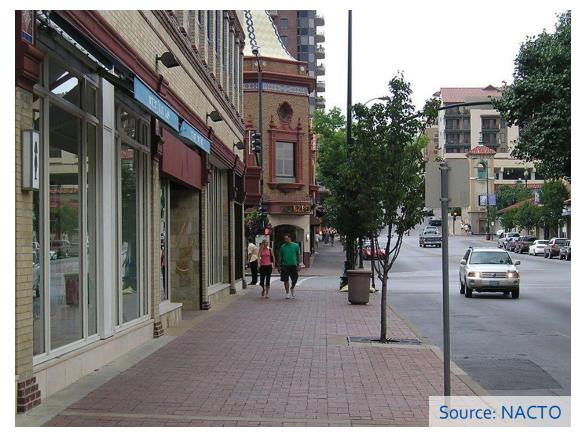
Shared use path



Proposed Facility / Types: Walking

Wide sidewalk next to curbs







Proposed Facility / Types: Streetscape & Water Quality Elements

Landscaping

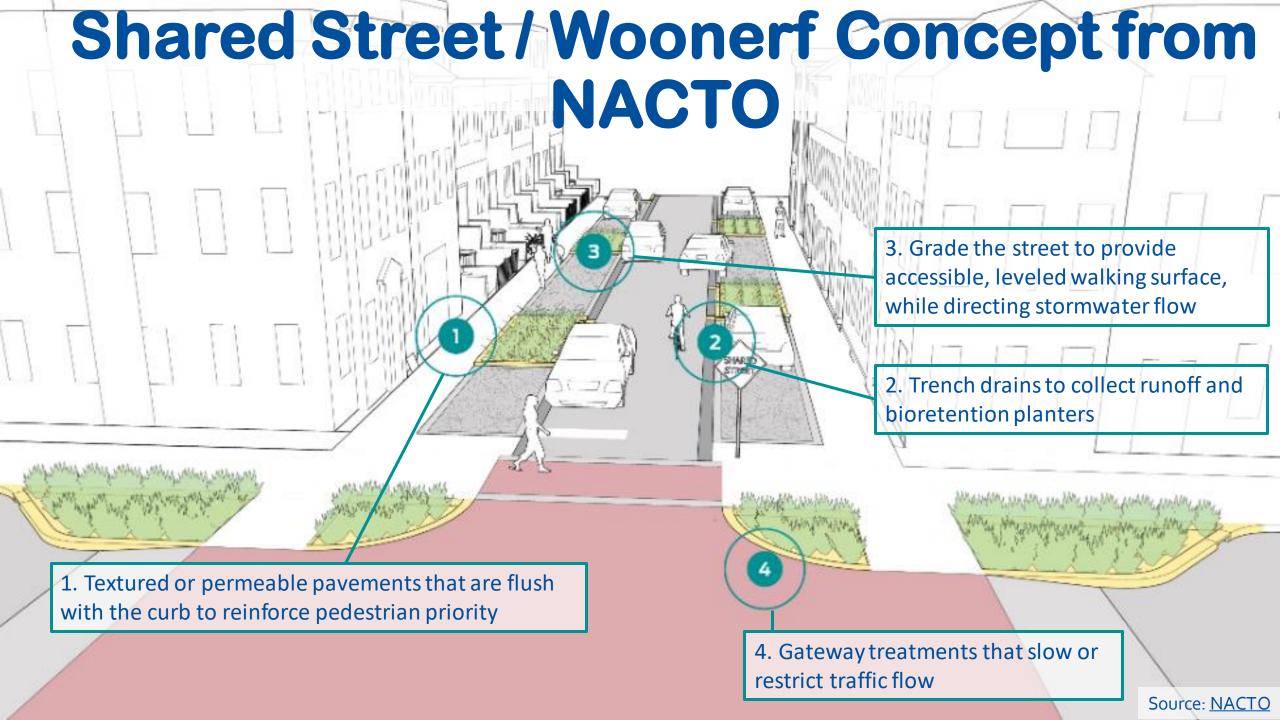


Tree canopy



Rain gardens/stormwater features





Proposed Facility / Types: Woonerf

Shared Street Implementation in Santa Monica, CA



Shared Street / Woonerf in the Netherlands



Proposed Facility / Types: Woonerf

Shared Street in a Commercial District

Flexible Street in Kirkland, WA





Proposed East – West Curb Features

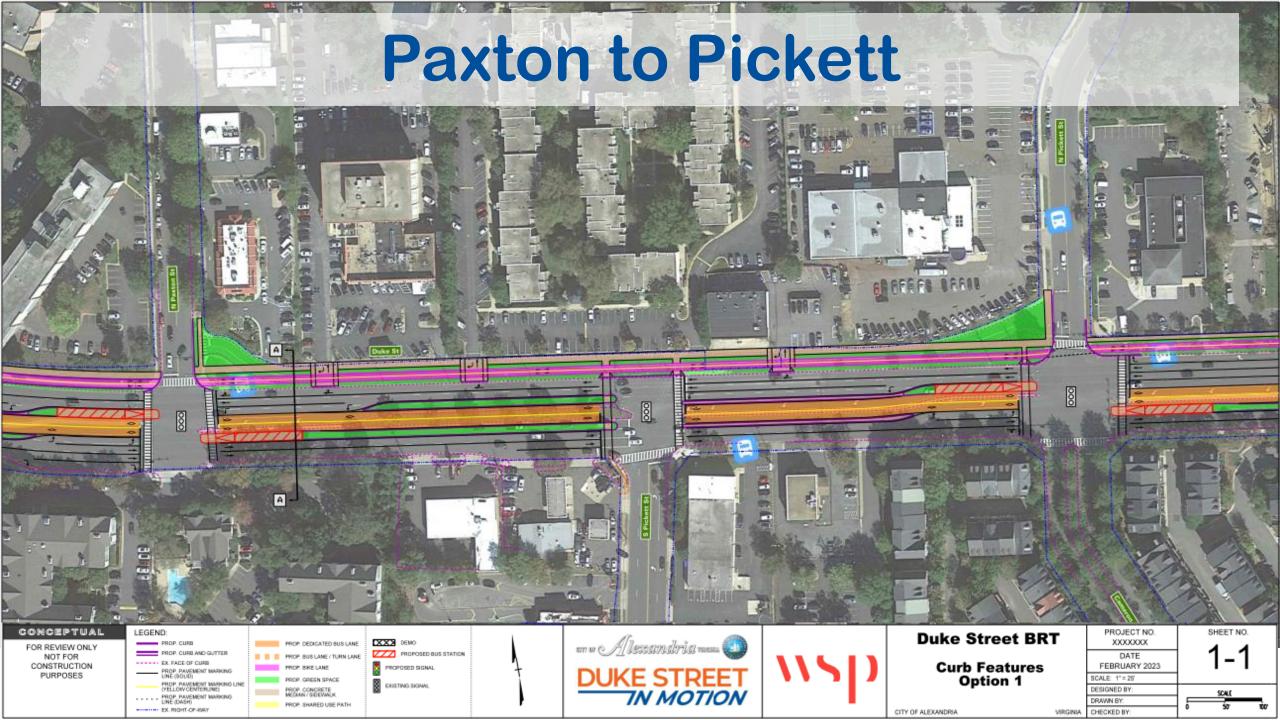
(North Side of Duke Street)



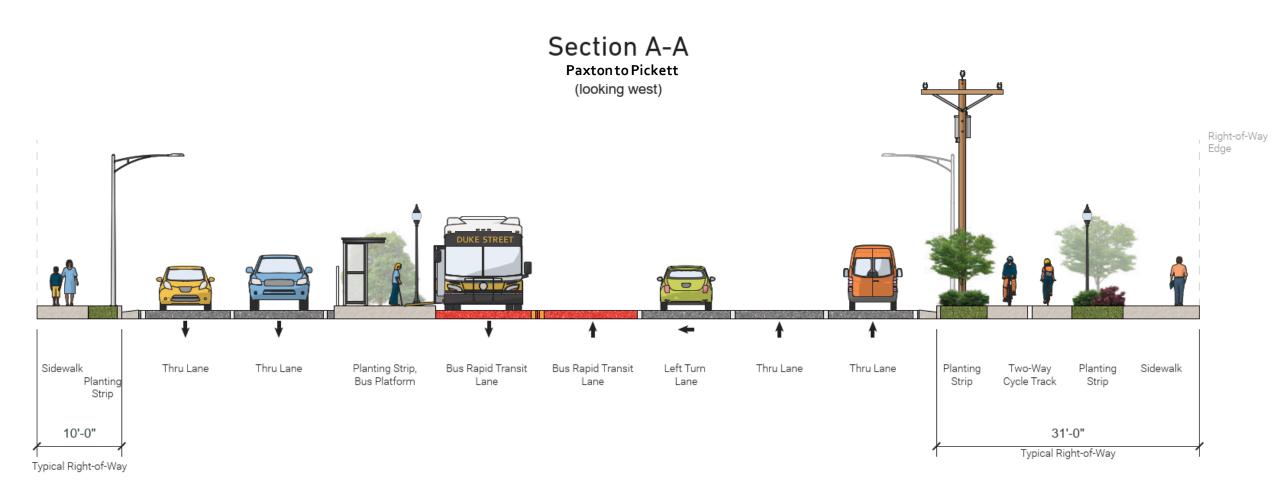
Shared Use Path

Cycle Track + Sidewalk

Potential Woonerf (shared street) Location on Service Road

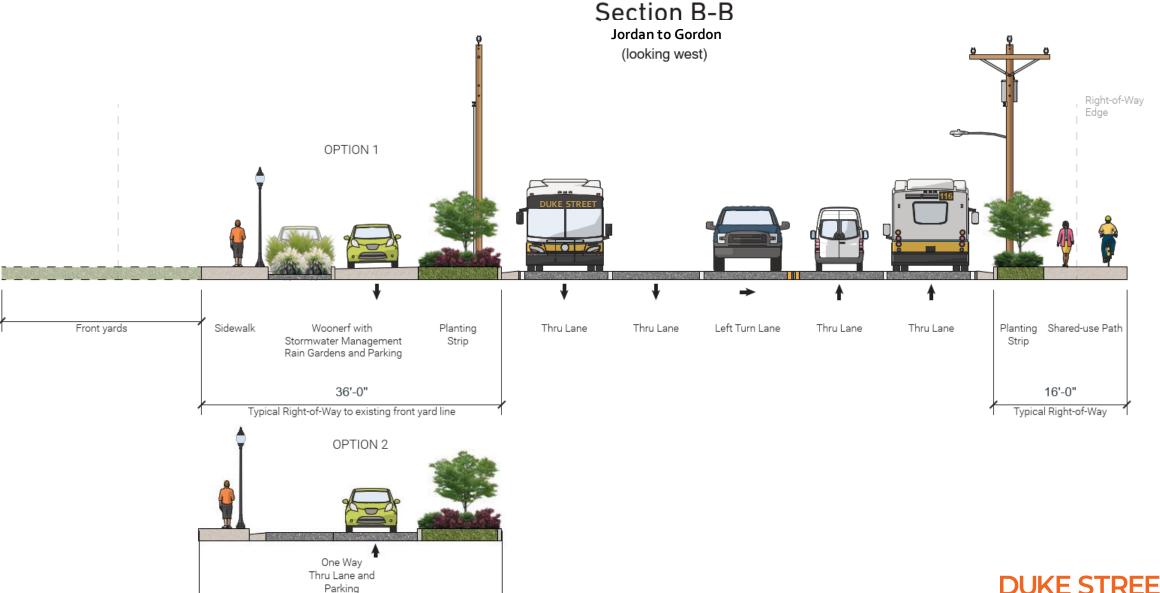


Paxton to Pickett

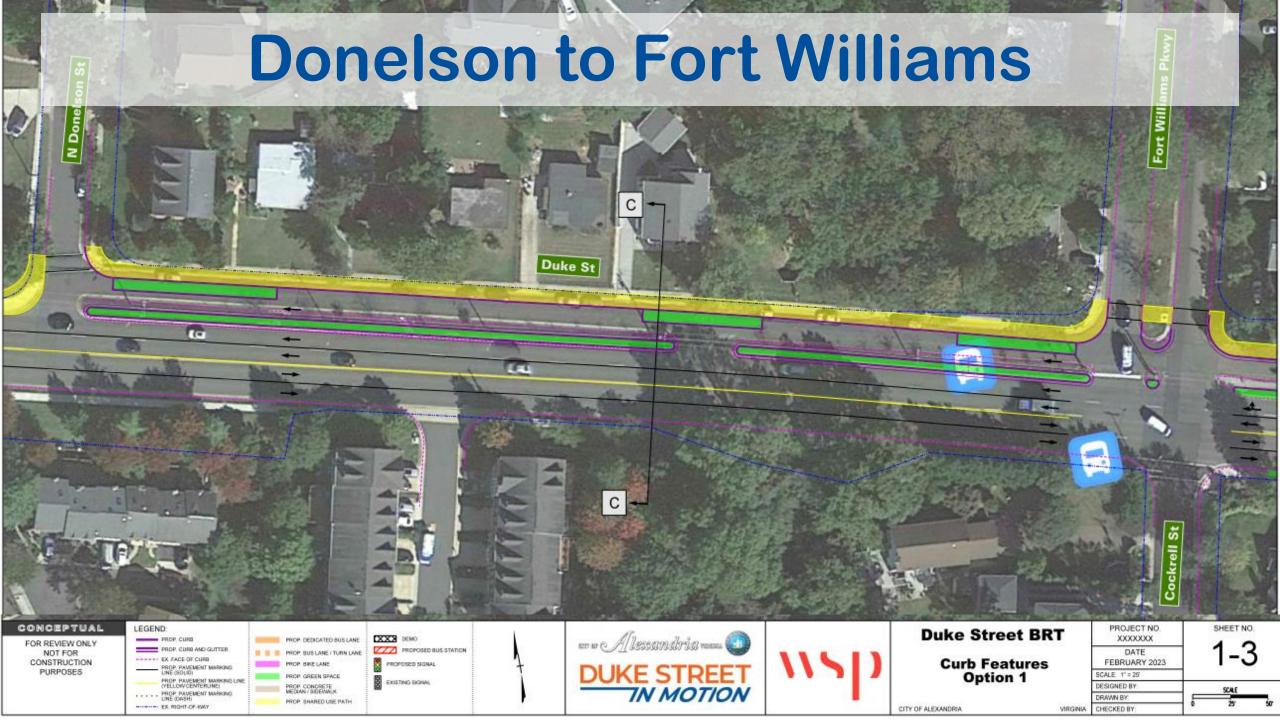




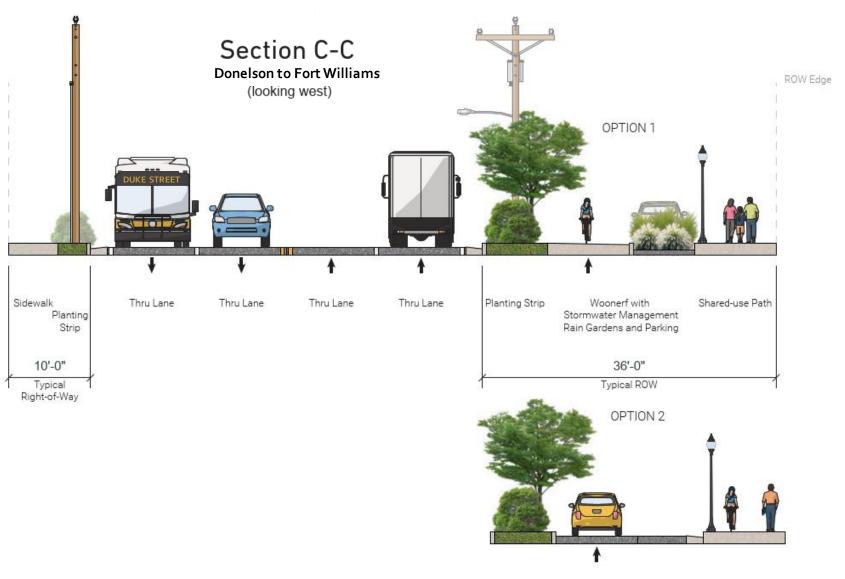
Jordan to Gordon



36'-0"



Donelson to Fort Williams



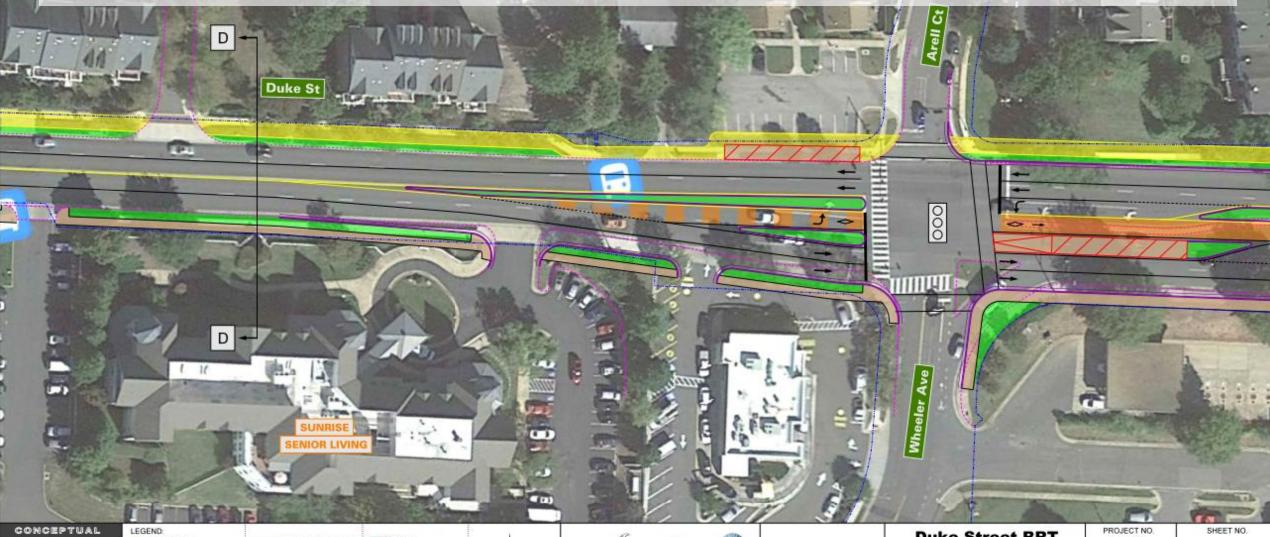
Planting Strip

Parking

Donelson to Fort Williams



Fort Williams to Wheeler



FOR REVIEW ONLY NOT FOR CONSTRUCTION

PROP. CURB AND GUTTER ---- EX FACE OF CURB

. PROP PAVEMENT MARKING UNE (DASH)

PROP. DEDICATED BUSILANE PROP, GREEN SPACE

PROP. SHARED USE PATH

PROPOSED BUS STATION PROPOSED SIGNAL EXISTING SIGNAL





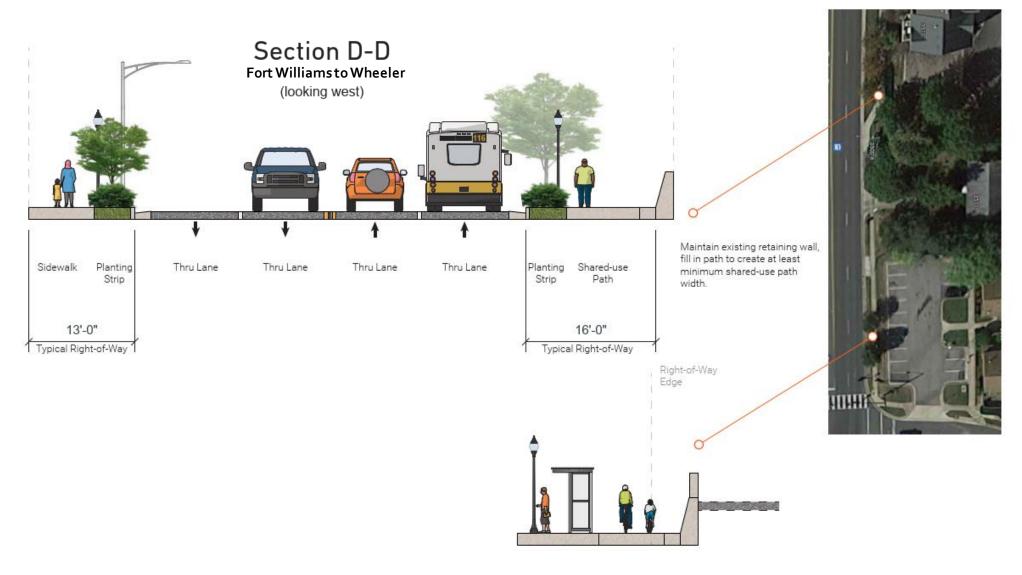
Duke Street BRT

Curb Features Option 1

CITY OF ALEXANDRIA

XXXXXXX DATE FEBRUARY 2023

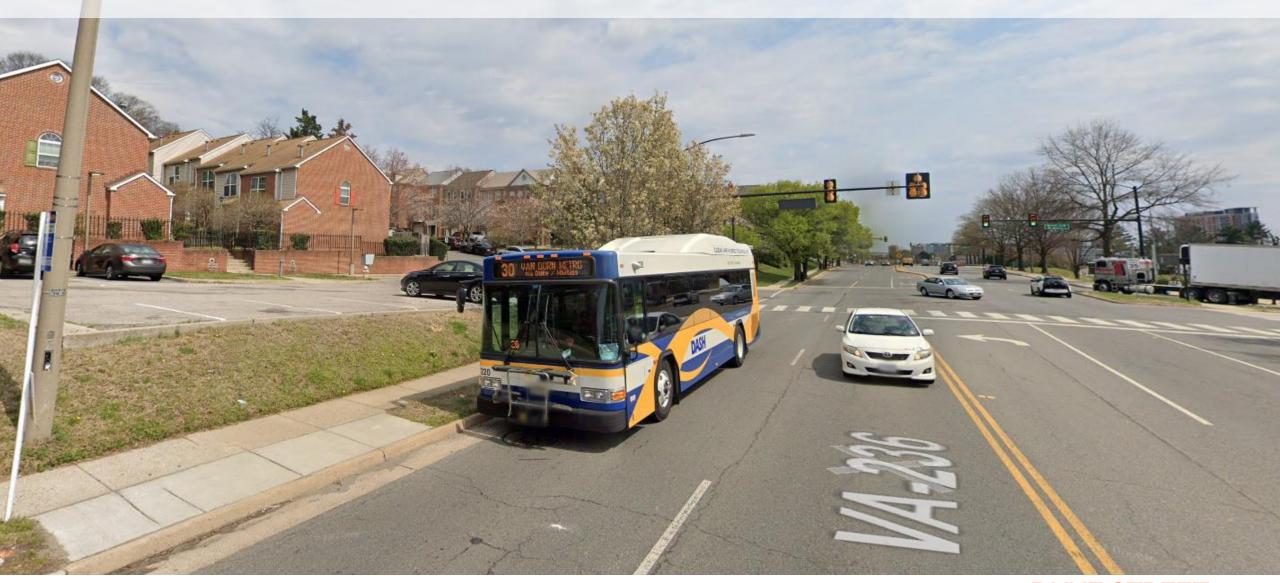
Fort Williams to Wheeler

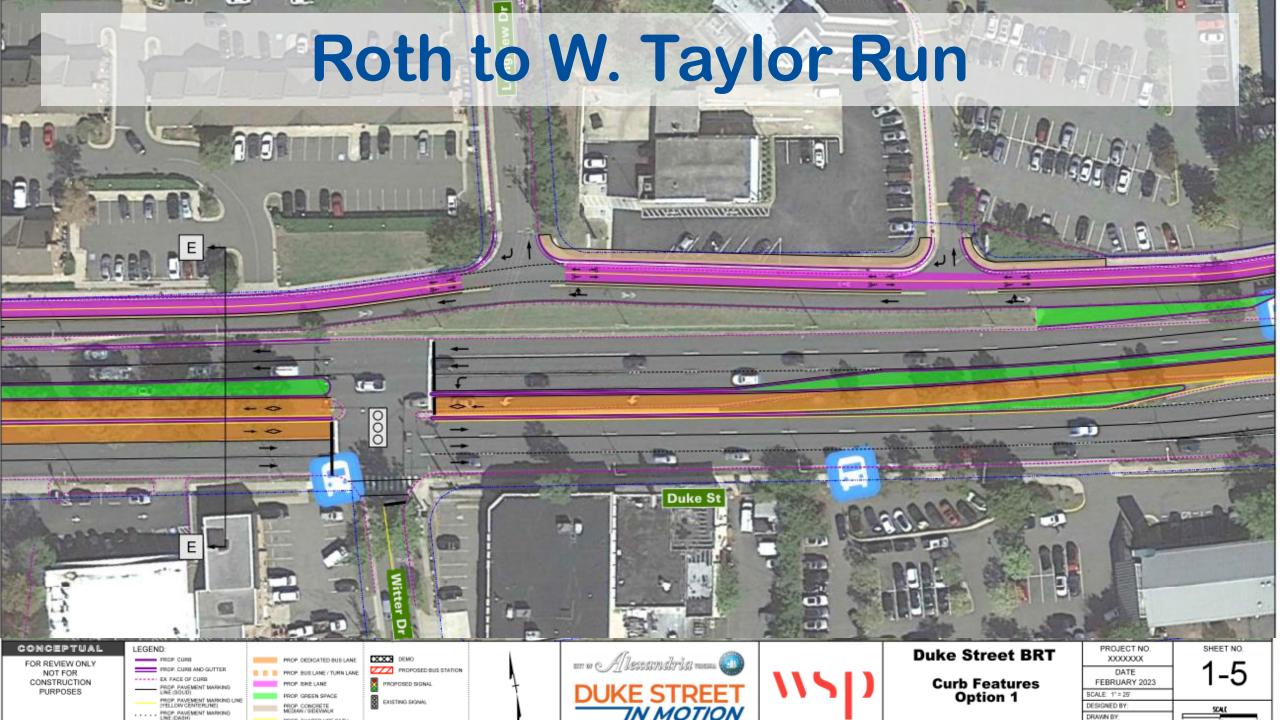


Bus Station

Change profile of existing parking lot, install retaining and barrier wall to create adequate space for minimum shared-use path and appropriate bus stop.

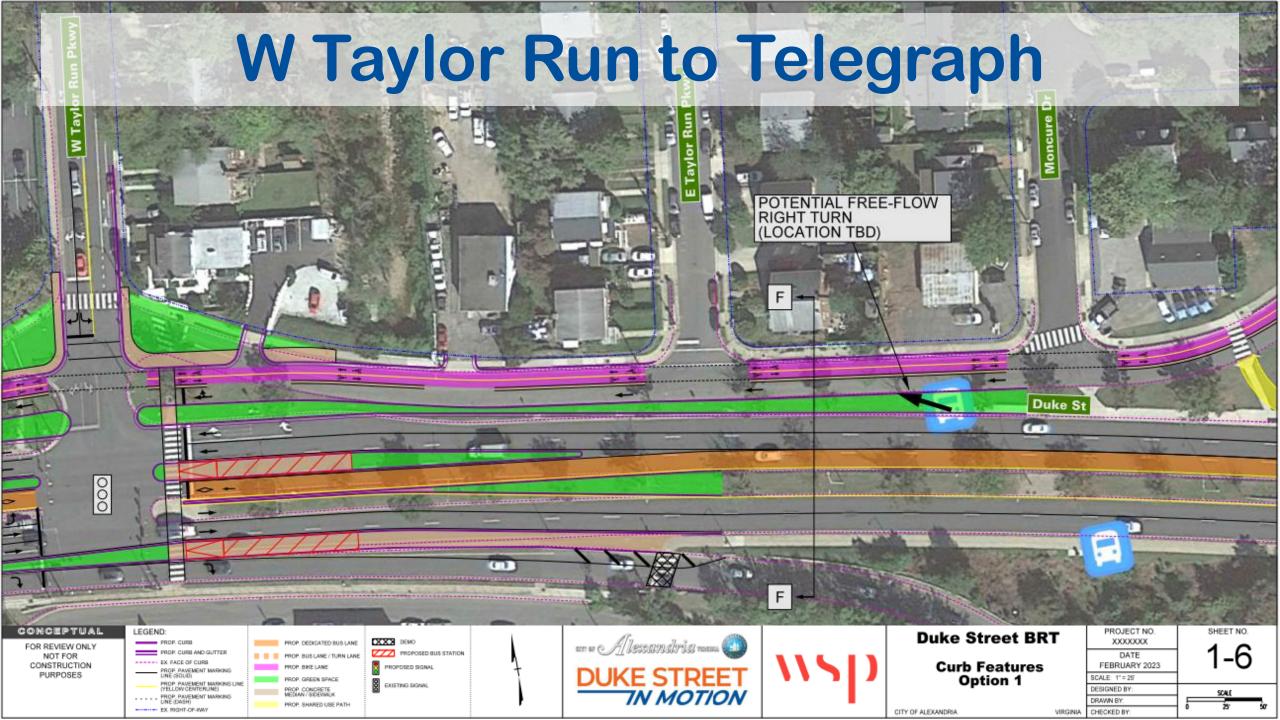
Fort Williams to Wheeler



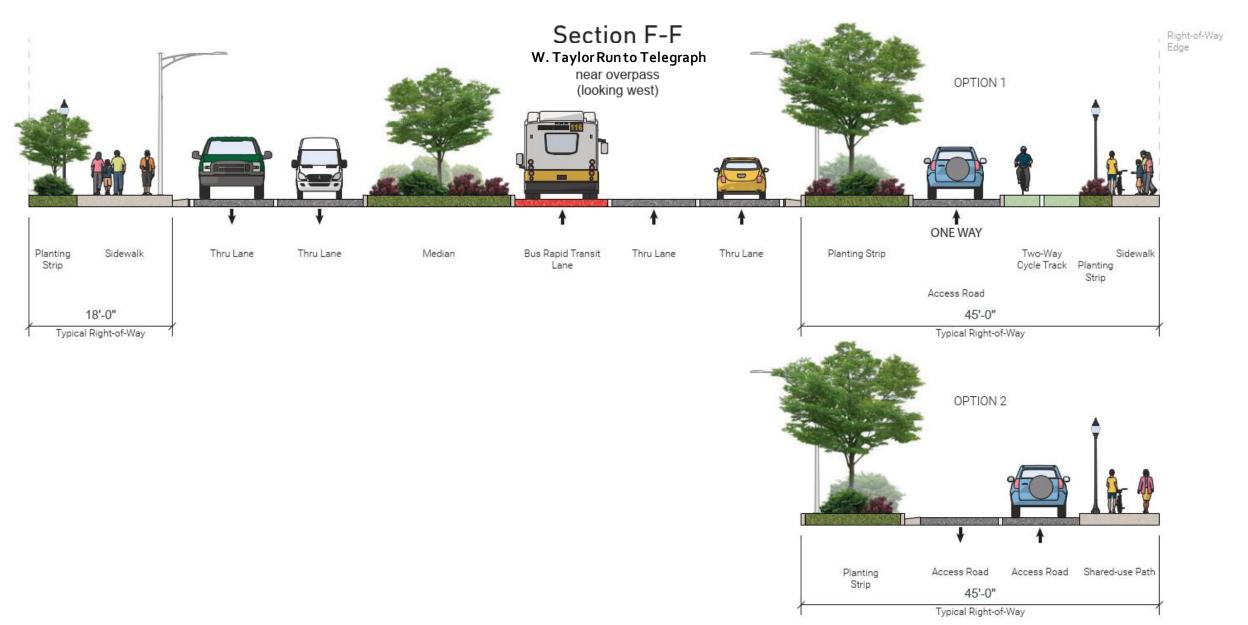


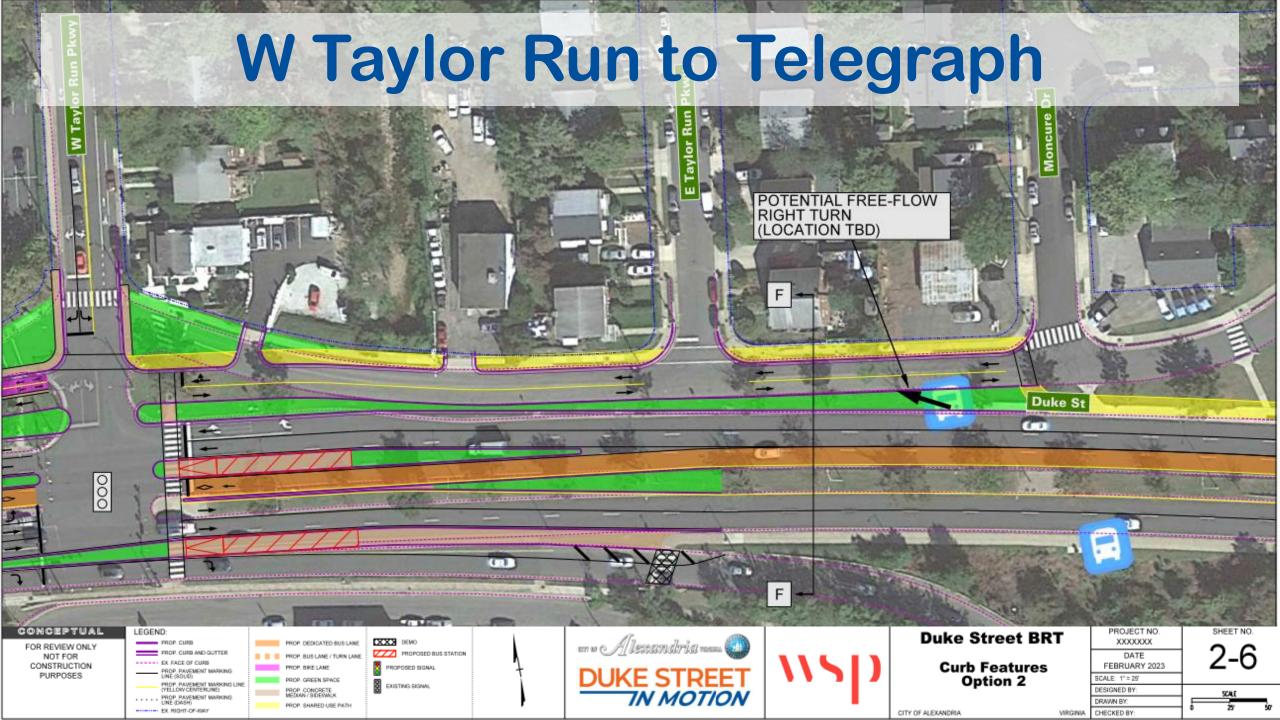
Roth to W. Taylor Run





W. Taylor Run to Telegraph



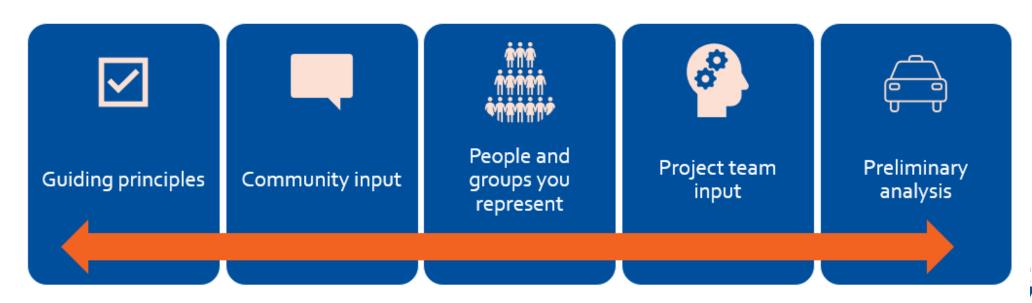




Guiding Questions

- What does the AG think about the options shown?
- Are there other approaches we should be considering?
- What priorities does the AG (and those the AG members represent) have for the curb feature elements in constrained sections?

CONSIDERATIONS



Three easy ways to join the conversation with PollEverywhere.

APP

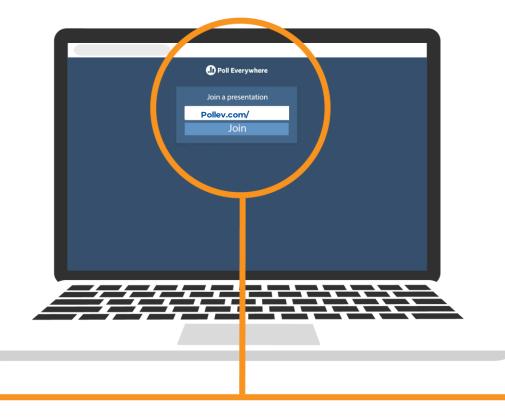


Download the free PollEverywhere App and enter "INPUT" into the field reading: "PollEv.com/username



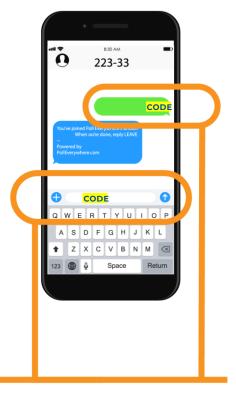


WEB



Go to PollEv.com/INPUT to enter the poll via web browser.

TEXT



Text "INPUT" to 223-33 to enter the poll via text.

*not all questions are available via text



Is it more important to have...

a separate bicycle/scooter space and walking space but have less green space

more green space but a shared bike and walking space

Where space is limited on the north side of Duke Street, should we consider:

combining space for walkers and bikers

separating space for the walkers and bikers on the south side of Duke Street. This means bikers would have to cross Duke Street to access the separated biking space.

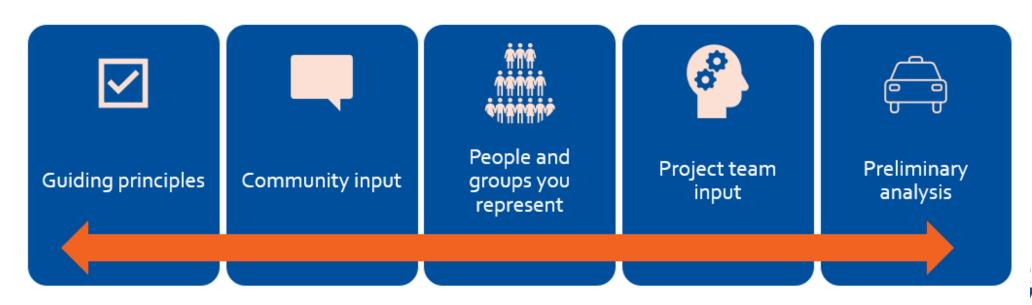
In areas with service roads, should we consider a shared space for bikes and cars?

Yes

Guiding Questions

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CONSIDERATIONS





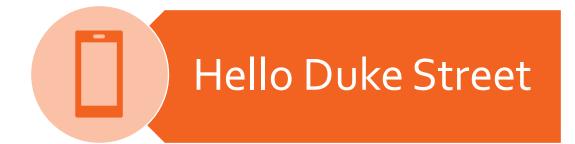
Current Status



Analysis & Design



Focused Engagement





Next Steps

March 16

- Engagement Plan Overview
- Design Update

April 13

- Review Detailed Analysis
- Start of Public Engagement

May 25

• Provide Recommendation of Preferred Alternative

July 5

Take Preferred Alternatives to City Council

Approval of Meeting Minutes from December

