

Transportation Commission

April 17, 2024
7PM



Notice

The April 17, 2024 meeting of the Transportation Commission is being held in the City Council Workroom on the second floor of City Hall (301 King Street, Alexandria, Virginia, 22314) and electronically. Members of the Transportation Commission and staff are participating either in-person or from a remote location through video conference call on Zoom. The meeting can be accessed by the public in-person or via Zoom.



Commission Members

- **Dan Beattie** – Environmental Policy Commission
- **Leslie Catherwood** – Resident East
- **Casey Kane** – Traffic and Parking Board, Eisenhower West/Landmark/Van Dorn Advisory Group
- **Tim Lovain** – Resident East with Transportation Expertise
- **Jody Manor**- Planning Commission
- **Jim Maslanka**– Resident West
- **Melissa McMahon** – Planning Commission
- **Matthew McManus** – Resident West, DASH Advisory Committee
- **John Chapman** – Council (non-voting)
- **Kirk McPike** – Council (non-voting)



Public Comment Period

Agenda Item #1



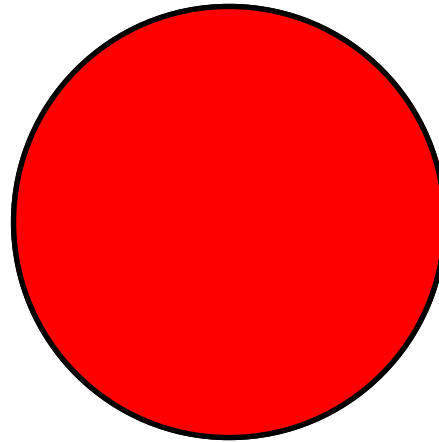
Public Comment

- For speakers not discussing items related to the public hearings.
- For virtual attendees:
 - Raise hand or press *9
 - Mute or unmute press *6
 - 3 minutes per speaker



3 Minute Timer

Announcement will sound automatically when time is up



Transportation Commission Minutes: February 21, 2024

Agenda Item #2



Transportation Commission Minutes: March 20, 2024

Agenda Item #3



Discussion Item: Eisenhower Avenue Projects

Agenda Item #4



Project Goals

- Improve mobility, access, and safety for all users
- Address connectivity and accessibility
- Support future demand and land uses
- Advance the Small Area Plan



Eisenhower Avenue Transportation Study

Schedule

Phase 1 ← **Phase 2** → **Phase 3**

Fall 2023

- Community Feedback
- Existing Condition Validation
- Focus Areas

Jan - Feb 2024

- Engagement
- Community Feedback
- Preliminary Ideas

Spring
2024

- Continued Engagement
- Identify Preferred Alternatives

Summer 2024

- Refinement
- Grant & funding plan development

August 2024

- Final recommendations
- Grant & funding plan

HERE

Study Summary

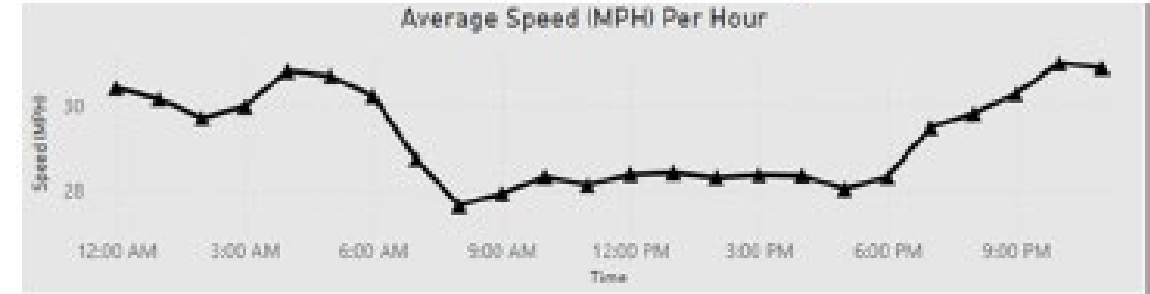
Eisenhower Avenue Transportation Study

Feedback We've Heard

- Speeding concerns
- Lack of bike facilities
- Difficult and in-frequent pedestrian crossings
- Sidewalks are uncomfortable
- Access to Metro is difficult

What We've Found

- Speeding during non-peak hours
- Van Dorn Street/Eisenhower Ave backups
- Substandard existing walkways and trails
- Severe crashes within the curve near Van Dorn Metro Station
- Pedestrian crashes primarily focused between Metro Station and Clermont Avenue



Crashes - Eisenhower Avenue to Clermont Avenue



Existing Conditions - Van Dorn Street & Eisenhower Avenue

Peak Volumes Shown
VPH - Vehicles Per Hour

On Average it takes 90 seconds to 2 min per vehicle to travel through the intersection

3,400 - 3,800

300-350

2 Pedestrian crashes across
Eisenhower Avenue at Van Dorn
Street and Eisenhower Avenue

Poor and no pedestrian sidewalk

F

E

1,300-1,600

B

B



Preliminary Recommendation - Van Dorn Street & Eisenhower Avenue

Relocate Left-turns through Metro Road / Van Dorn Street Interchange

- Reduces delay and queueing on Van Dorn Street
- Reduces conflict points on Van Dorn Street
- Improves pedestrian and cycling infrastructure at the intersections and along Eisenhower Avenue

Install sidewalk along southside of Eisenhower from Van Dorn Street to Metro Station



Relocated left-turn movement(s) from Van Dorn Street through Metro Road

Preliminary Recommendation - Van Dorn Street & Eisenhower Avenue

Peak Volumes
VPH - Vehicles Per Hour

Between 400 to 600 cars more in a peak hour on Metro Road

On Average its estimated to take less than 50 seconds per vehicle to travel through the intersection

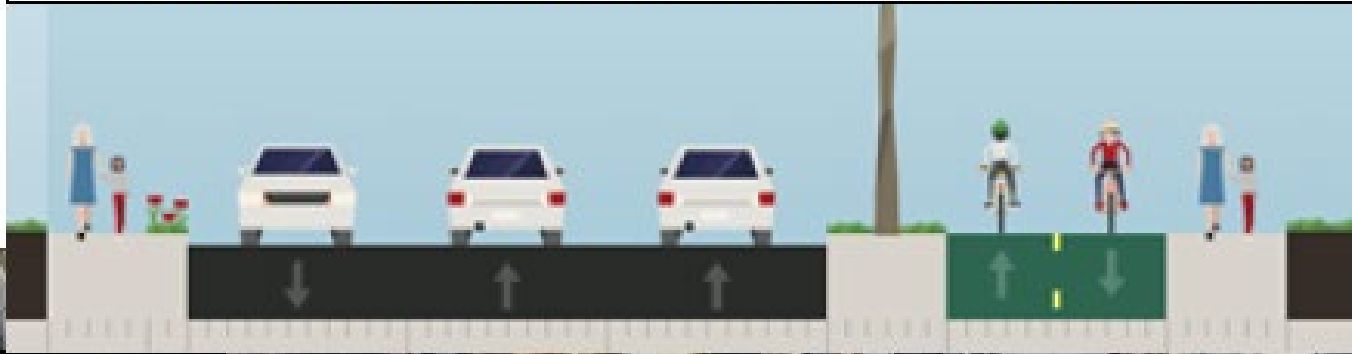
Queueing is expected between Eisenhower Avenue and just north of Summers Grove Intersection

Metro Road will share capacity with Van Dorn Street intersection

Movement	Existing	Relocated
Southbound Van Dorn St Left	3-4min	1-2min
Westbound Eisenhower Ave Left	2.5-3min	<2min



Proposed Eisenhower Ave Cross-Section - Van Dorn to Metro



New crosswalks and median islands

Reduce eastbound Eisenhower Ave to one lane to Metro Road

Relocate southbound and westbound left-turns

New Sidewalk Connection to Metro Station
Approximately 1,700'

Improved Transit Stop with New Shelter

Reduced Capacity to One Lane

Cycle Track from Van Dorn Street to Metro Station
Approximately 1,700'

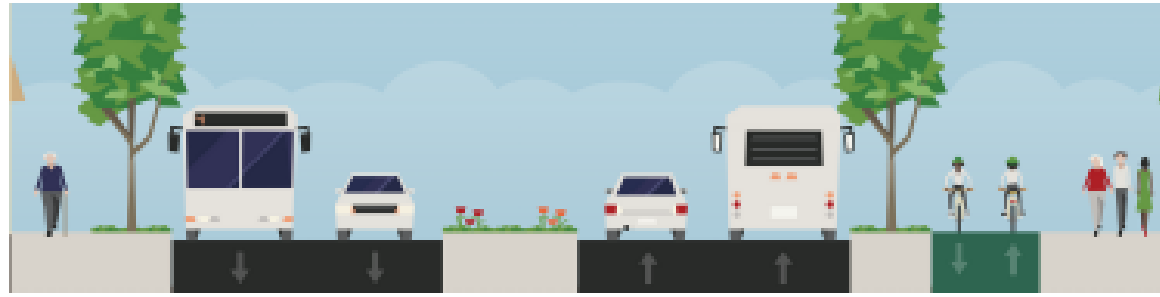


Focus Areas - Section 1: Van Dorn Street to Holmes Run Trail



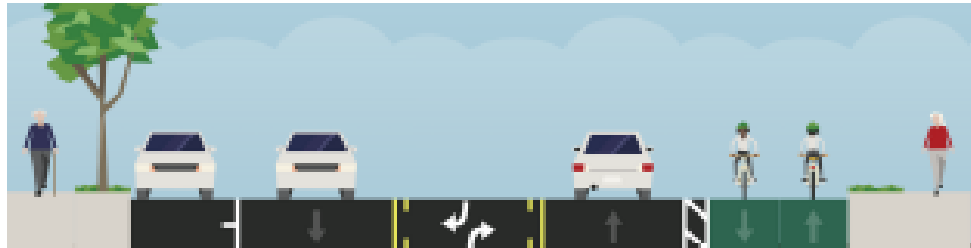
Metro Road to Holmes Run Trail

Long-term: Small Area Plan Cross-section



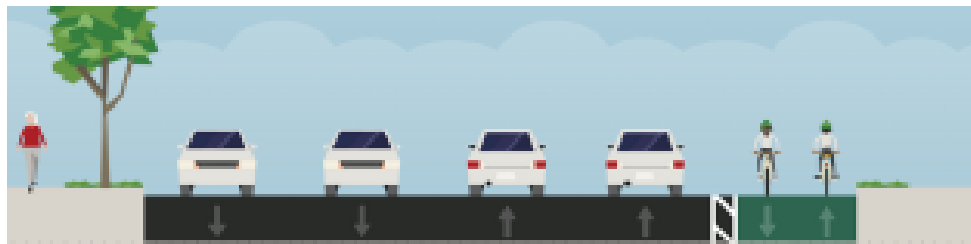
Off-Peak Parking is Considered in Bus Lanes

Interim-Term Cross-section Ideas - Separated Bike Facility on North Side



Option 1 - 5 lane to 3 lane conversion (with center turn lane)

- Two travel lanes (One in each direction) with center turn lane
- Multiple opportunities for pedestrian crossings
- Multiple opportunities for parking



Option 2 - 5 lane to 4 lane conversion (with no center turn lane)

- Four-travel lanes with no center turn lane
- Very limited opportunities for pedestrian crossings
- Parking options are limited to areas where development occurs

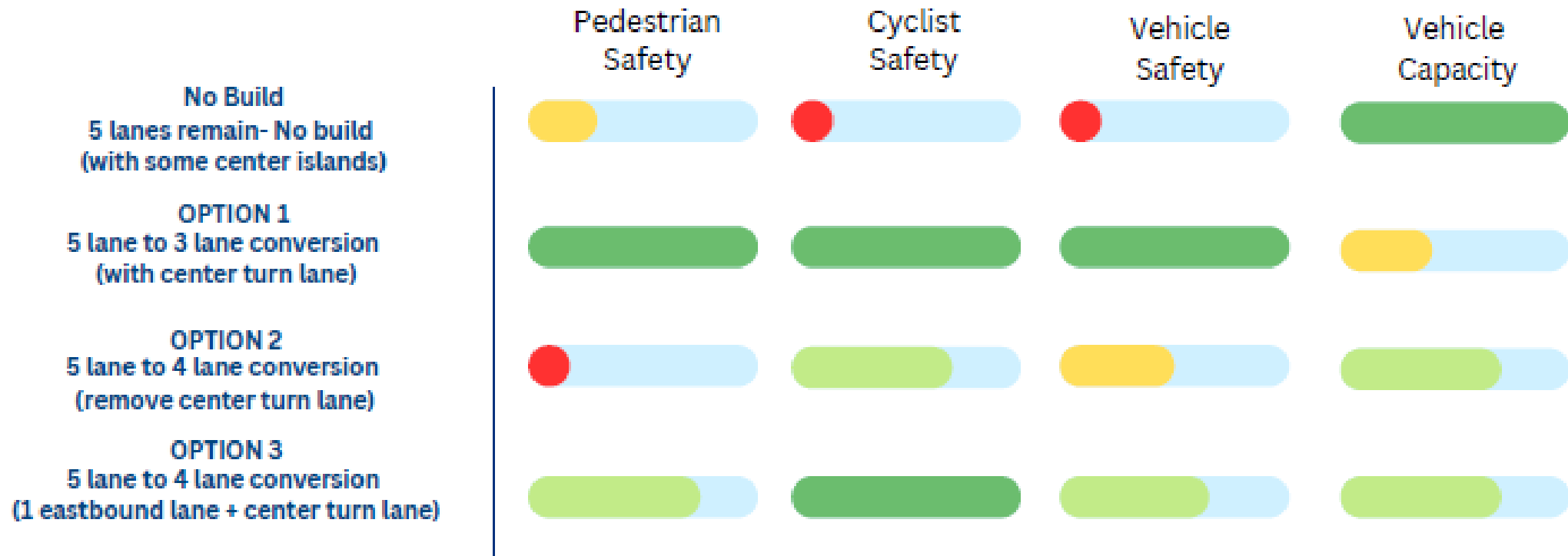


Option 3 - 5 lane to 4 lane conversion (with center turn lane)

- Two travel lanes westbound (peak direction), one eastbound travel lane, and center turn lane
- Multiple opportunities for pedestrian crossings
- Parking options are limited to areas where development occurs

Eisenhower Avenue Cross-Section

Comparison



Focus Areas - Section 2: Holmes Run Trail to Telegraph Road



Holmes Run Trail to Telegraph Road

Preliminary Recommendations

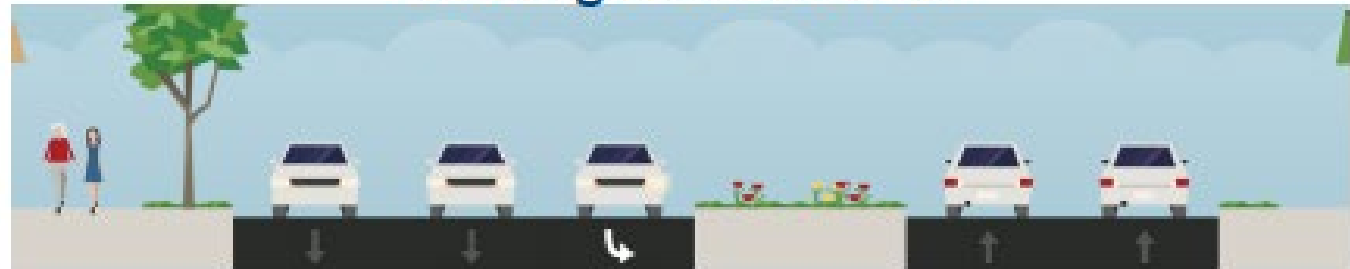
Goals:

- Reduce speeding in the segment by introducing geometric elements such as median refuges, reduced lane widths, and amount of vehicular lanes
- Introduce more pedestrian crossings that are safer and more comfortable
- Preserve green space

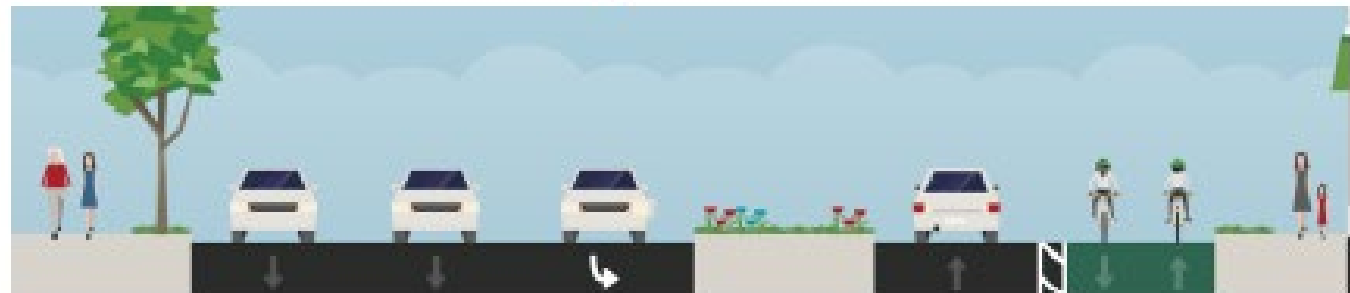
Elements:

- Additional pedestrian refuge islands with enhanced signage and ADA curb ramps
- Improve pedestrian crossings at Cameron Park and Bluestone/Wmata
- Evaluate opportunities for improved and/or expanded trail and bike
- Enhance existing transit spots

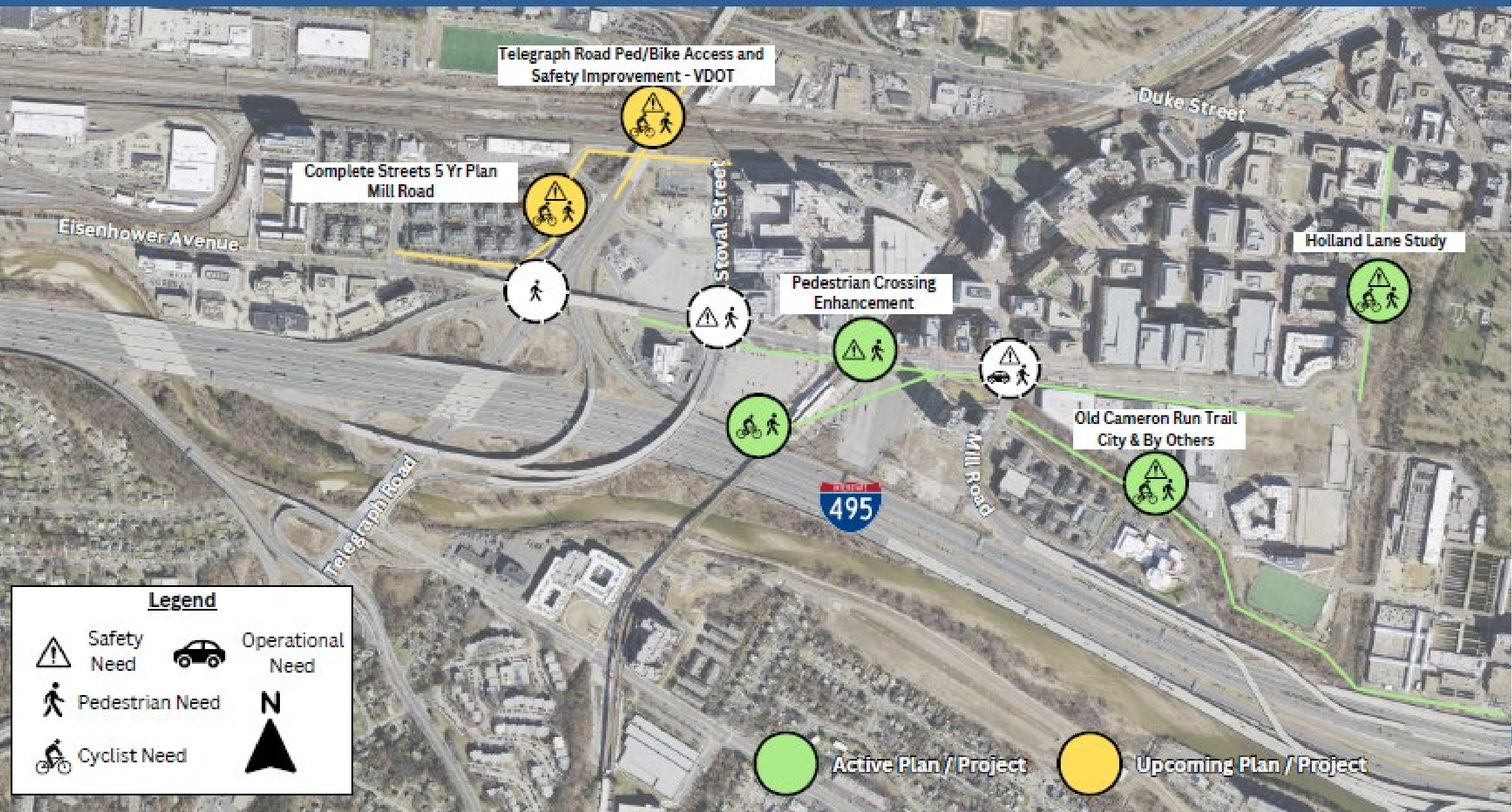
Existing Cross-Section



North Side Separated Bike Lanes



Focus Areas - Section 3: Telegraph Road to Holland Lane



Discussion and Feedback



Discussion Item: 2024 Transportation Long Range Plan

Agenda Item #5



2022 Scoring Criteria

- Sustainability
 - What is the impact on environmental sustainability in the affected area?
 - Does the project support environmental sustainability and the reduction of greenhouse gas emissions in Alexandria and the region?
- Connectivity
 - What is the effect on neighborhood connectivity and the City as a whole?
 - What is the effect on regional mobility?
- Land Use, Neighborhood Livability, & Economic Development
 - How well does the project focus investment near existing or proposed population and employment centers?
 - How well does this project address neighborhood livability for current and future residents and workers?
 - How well does project focus investment near opportunities for economic development?
- Mode Choice
 - Does the project improve or add multimodality?
 - Does the project encourage non-SOV travel?
- Infrastructure
 - Does the project improve aging infrastructure?
 - Does the project make Alexandria's transportation infrastructure more resilient to climate change?
- Operations and Technology
 - Does the project improve system efficiency through an appropriate use of technology?
- Safety
 - What effect will the project have on crash risks and safety?
 - What effect will the project have on perceived personal safety?
- Equity
 - What is the impact of the proposed project on equity?
 - What is the impact of the proposed project on geographic equity?



Project and Study List Update

- Added new projects or studies that are major, unfunded projects
 - Projects to be paid for by developers are added to a separate table and not scored
- Removed projects or studies completed, not feasible or that are funded
- Adjusted project based on priorities



2024 LRP New Projects

- West End Transitway Phase 2
- Mill Road Bicycle Connection
- Eisenhower Pipeline Study Recommendations
- Shirlington Circle
- Duke Street and Van Dorn Street (East)



2024 Adjusted Project

- Safe Routes to School Walk Audit Implementation
 - Implement recommendations of the Safe Routes to School Walk Audits ~~planned for FY23~~.
 - Includes recommendations for FY17 walk audits



2024 Removed Projects

- New High Street (Developer)
 - Eliminated from last update to Landmark/Van Dorn Small Area Plan
- Removal of Ramp Structure over Duke Street (Developer)
 - Complete

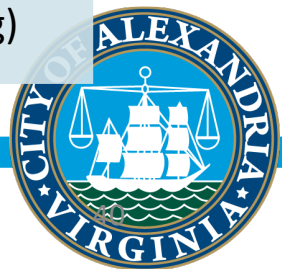
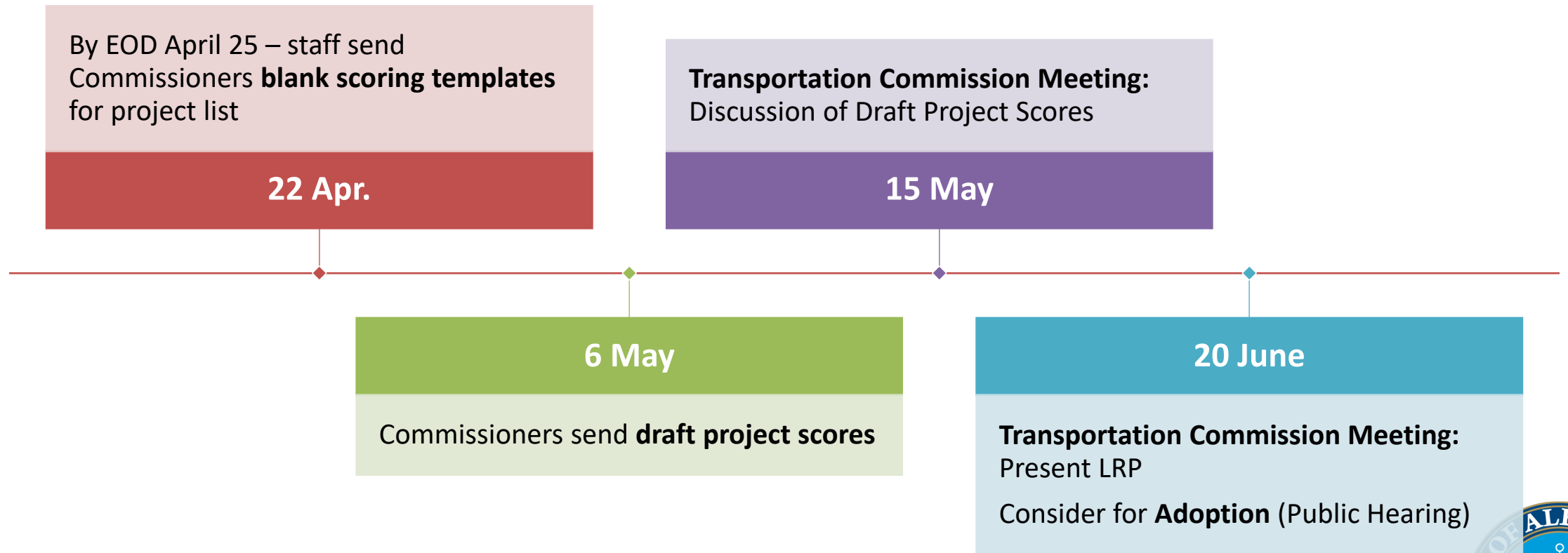


2024 Removed Study

- Glebe Road Bridge and Four Mile Run Pedestrian Bridge
 - Recommended in the Four Mile Run Plan
 - Conduct a study for demolishing the existing W. Glebe Road vehicular bridge over Four Mile Run and portions of W. Glebe Road
 - Construct a new vehicular bridge to the east (aligned with Valley Drive)
 - Realign W. Glebe Road
 - A new pedestrian/bicycle bridge over Four Mile Run would be built where existing W. Glebe Road vehicular bridge (to be demolished) is located.
- Glebe Road Bridge recently reconstructed.



Next Steps



LRP Discussion:

- **Scoring Criteria**
- **Projects**



Recommendation

- That the Transportation Commission approve the proposed updated scoring criteria and updated Project, Developer Project, and Studies lists for the LRP.



Action Item: City Budget Letter

Agenda Item #6



Recommendation

- That the Transportation Commission review the proposed budget letter of feedback.



Action Item: DRPT and NVTA letters of Support

Agenda Item #6



Summary of Projects

Project Description

Funding Request

Metroway Extension

Up to \$10M

Smart Mobility & Connected Vehicles

Up to \$5M

High Crash Location Design

Up to \$3M

Van Dorn Bridge Multimodal
Enhancements

Up to \$10M

Total Cost

**Up to \$28
Million**



NVTA Scoring (out of 24 projects)



Northern Virginia Transportation Authority

FY2024-29 Six Year Program Candidate Projects: Summary of Quantitative and Qualitative Evaluations

3/28/2024

Application ID	Jurisdiction / Agency	Project	Primary and supporting modal components	Fund request	Previously Approved NVTA Regional Funds	Other committed funds	Total project cost	Phases for which funds are requested	Funding Gap	Transaction project rating (incl. HS 500)	Transaction project rating rank (incl. HS 500)	CRRC (Reduction in annual person hours of delay / Total project cost in \$1000's)	CRRC rank
CPC-011	City of Falls Church	City of Falls Church Signal Prioritization Project		\$ 1,400,000		\$ -	\$ 1,400,000	PE, CN		25.70	9	653.57	1
ALX-037	City of Alexandria	Smart & Connected Vehicle Infrastructure		\$ 3,000,000		\$ 30,000	\$ 3,030,000	PE, CN		21.70	15	277.60	2
PWC-042	Prince William County	Route 234 Operational Improvements		\$ 10,000,000		\$ -	\$ 10,000,000	PE, CN, Acq		29.19	8	240.43	3
FFX-138	Fairfax County	Seven Corners Ring Road Improvements		\$ 122,229,417	\$ 4,200,000	\$ 6,261,000	\$ 132,690,417	PE, ROW, CN		66.61	1	114.19	4
MAN-003	City of Manassas	Roundabout at Route 28 and Sudley Rd		\$ 4,020,000		\$ 1,473,000	\$ 5,493,000	CN		23.34	13	113.76	5
VRE-017	VRE	VRE Backlick Road Station Improvements		\$ 6,145,103		\$ 2,500,000	\$ 8,645,103	CN		23.92	12	102.62	6
ALX-032	City of Alexandria	South Van Dorn Street Bridge Enhancements		\$ 10,000,000	\$ 3,000,000	\$ 70,000	\$ 13,070,000	CN		38.61	2	33.00	7
ALX-033	City of Alexandria	Alexandria Metroway Enhancements		\$ 7,000,000		\$ 7,924,792	\$ 14,924,792	ROW, CN		32.36	5	25.61	8
CMP-001	City of Manassas Park	Route 28-Centreville Road Corridor Improvements		\$ 40,000,000		\$ -	\$ 40,000,000	PE, ROW, CN		15.59	21	24.75	9
CFX-019	City of Fairfax	Blenheim Boulevard Multimodal Improvements (formerly Old Lee Highway Multimodal Improvements)		\$ 3,400,000	\$ 13,000,000	\$ 12,000,000	\$ 30,400,000	CN		13.38	23	24.56	10
ALX-029	City of Alexandria	Safety Improvements at High-Crash Intersections		\$ 3,000,000		\$ 1,000,000	\$ 20,500,000	PE	\$ 16,500,000	24.25	11	24.07	11

NVTA Scoring (out of 24 projects)



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3/28/2024

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ALX-037	City of Alexandria	Spartan Rd. Connected Vehicle Infrastructure	 	\$ 3,000,000		\$ 50,000	\$ 3,050,000	PE, CN		21.70	15	277.60	2
PWC-042	Prince William County	Route 234 Operational Improvements		\$ 10,000,000		\$ -	\$ 10,000,000	PE, CN, Acq		29.19	8	240.43	3
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FY 2025 Virginia Department of Rail and Public Transportation (DRPT) State Aid Request

Operating Assistance (up to \$37,000,000)

- State awards a portion for general operating expenses
- Typically, 20-30% reimbursement
- Avg: \$5m Annually

Capital Assistance (up to \$400,000)

- Hybrid Spare Parts (Powertrain & Battery Replacements)
- Typically, 60-68% reimbursement
- Avg: \$4m Annually

Commuter Assistance Program (up to \$350,000)

- Go Alex staffing and programming
- 20% local match required

Demonstration Projects (up to \$300,000) - DASH

- Onboard Passenger Information Screen Pilot
- "Thru Vision" Blindspot Camera Pilot
- 20% local match required

Public Transport. Workforce Development (up to \$110,000) - DASH

- 2 Interns
- 20% local match required

Transit Rider Incentive Program (Up to \$500,000)

- Improving bus stops with shelters, benches, ADA improvements, etc.
- 32% local match required

Letters of Support

- NVRTA inviting public comment
 - Now through May 19
 - DRAFT letter supports all projects
 - Also support Arlington's application for Shirlington Bus Center
 - DASH, West End Transitway
- DRPT inviting public comment
 - Public Meeting May 16
 - DRAFT letter supports all applications



Recommendation

- That the Transportation Commission discuss and approve the draft letters for submittal.



Commissioner Updates

Agenda Item #8



Commission Members

- **Dan Beattie** – Environmental Policy Commission
- **Leslie Catherwood** – Resident East
- **Casey Kane** – Traffic and Parking Board, Eisenhower West/Landmark/Van Dorn Advisory Group
- **Tim Lovain** – Resident East with Transportation Expertise
- **Jody Manor** - Planning Commission
- **Jim Maslanka** – Resident West
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- **Kirk McPike** – Council (non-voting)



Items for Consent

Agenda Item #9



Other Business

Agenda Item #10



Adjourn Transportation Commission Meeting

Next meeting: April 17, 2024

