

# 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



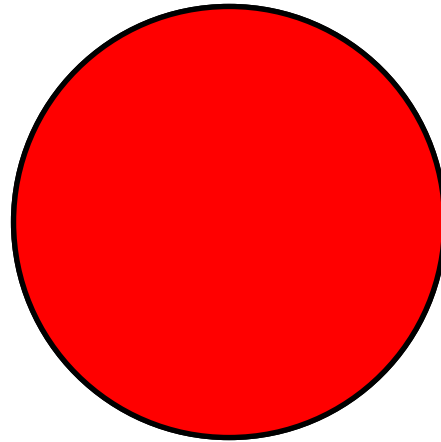
# Public Comment

- 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

Jan - Feb 2024

Spring  
2024

Summer 2024

August 2024

- Community Feedback
- Existing Condition Validation
- Focus Areas

- Engagement
- Community Feedback
- Preliminary Ideas

- Continued Engagement
- Identify Preferred Alternatives

- Refinement
- Grant & funding plan development

- Final recommendations
- Grant & funding plan

HERE

# Study Summary

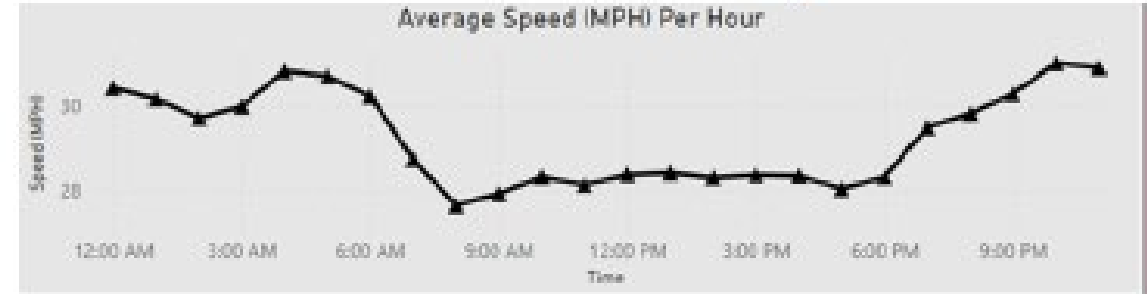
Eisenhower Avenue Transportation Study

## 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

1,300-1,600

Poor and no pedestrian sidewalk

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

F  
E

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

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

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

3,200 - 3,400

700 - 1000

1,100 - 1,300

Metro Road will share capacity with Van Dorn Street intersection

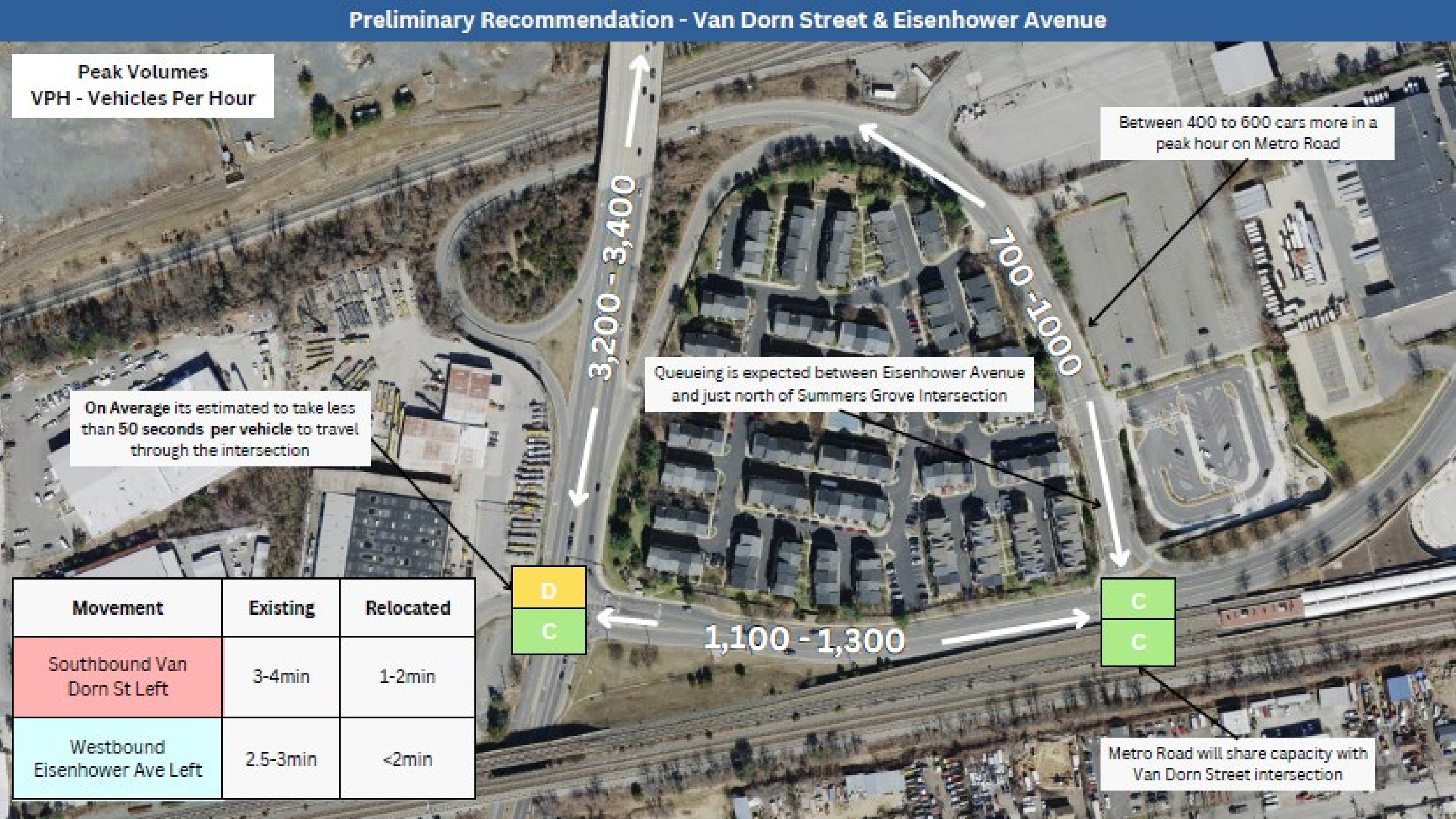
Movement	Existing	Relocated
Southbound Van Dorn St Left	3-4min	1-2min
Westbound Eisenhower Ave Left	2.5-3min	<2min

D

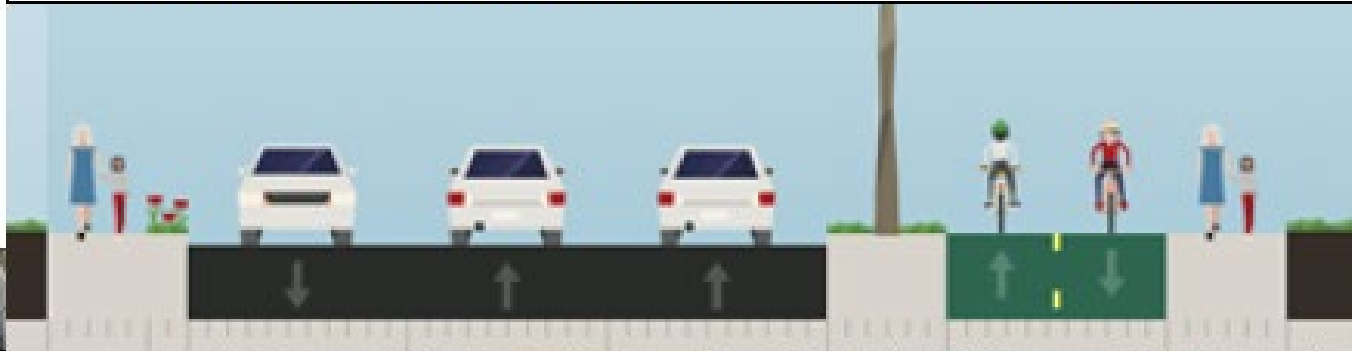
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# Proposed Eisenhower Ave Cross-Section - Van Dorn to Metro



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



Crosswalk

Crosswalk

Eisenhower Avenue

Clearmont Avenue

High Volume of Left-turns  
Local & Cut-Through

Crosswalk

Fatality

Crosswalk



Does not show 2 Pedestrian crashes occurred at Van Dorn Street and Eisnehower Avenue

### Legend



Fatal or Severe Injury Crash

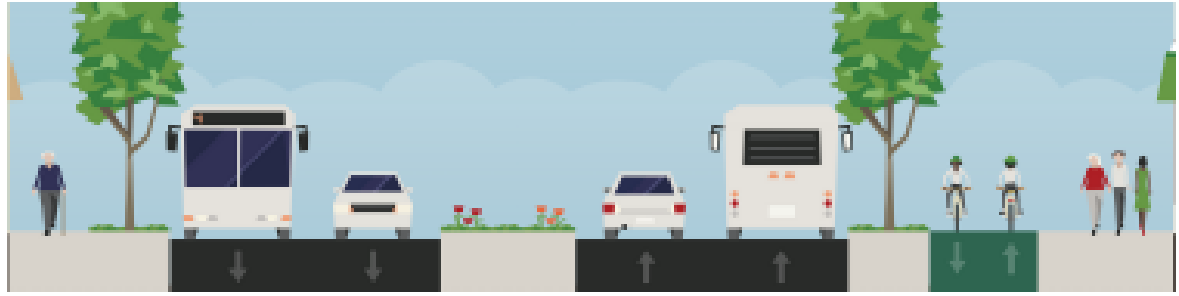


Cyclist Injury



# Metro Road to Holmes Run Trail

## Long-term: Small Area Plan Cross-section



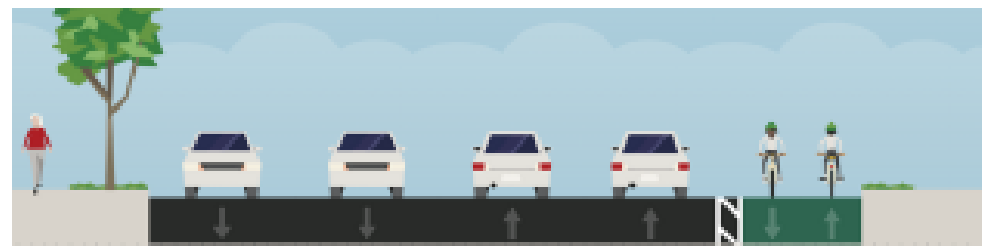
Off-Peak Parking is Considered in Bus Lanes

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



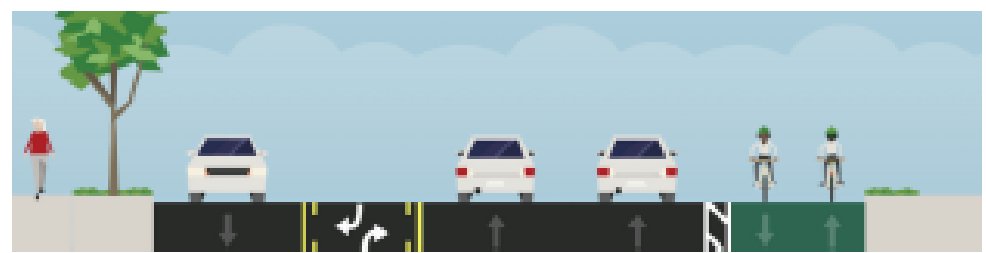
### Option 1 - 5 lane to 3 lane conversion (with center turn lane)

- 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)

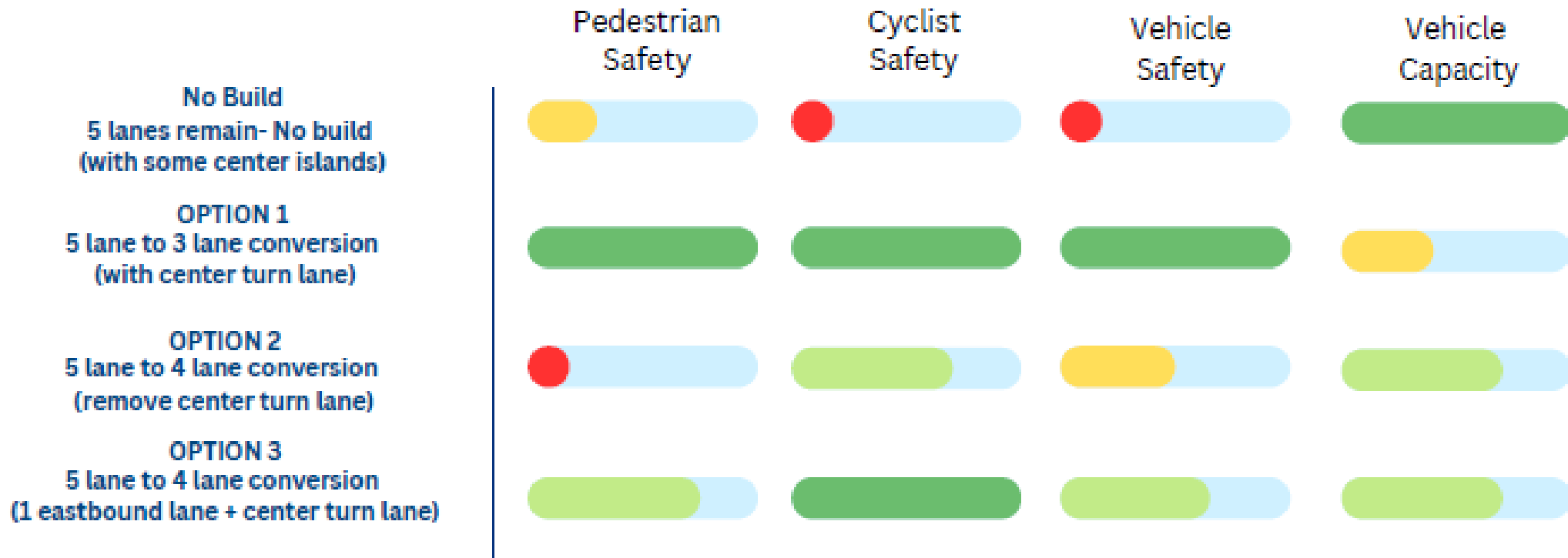
- Four-travel lanes with no center turn lane
- Very limited opportunities for pedestrian crossings
- Parking options are limited to areas where development occurs



### 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



Address speeding and increase access for other modes

**Legend**

 Safety Need	 Operational Need
 Pedestrian Need	 N
 Cyclist Need	

# Holmes Run Trail to Telegraph Road

## Preliminary Recommendations

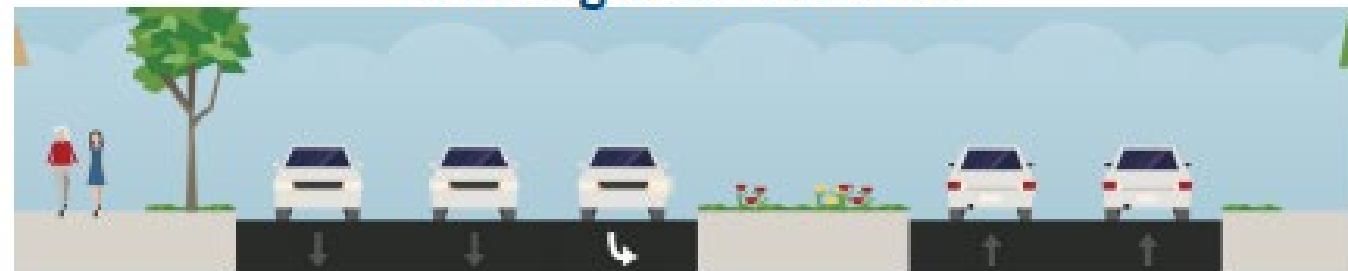
### Goals:

- 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

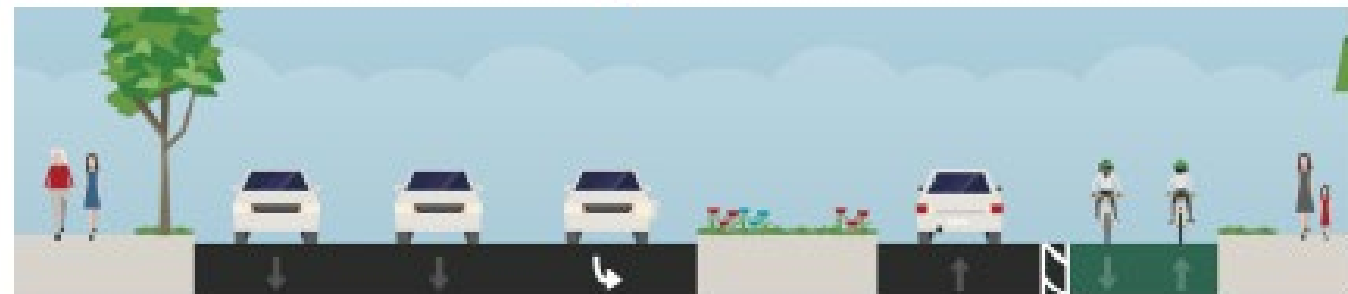
### Elements:

- 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

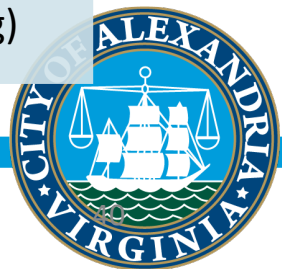
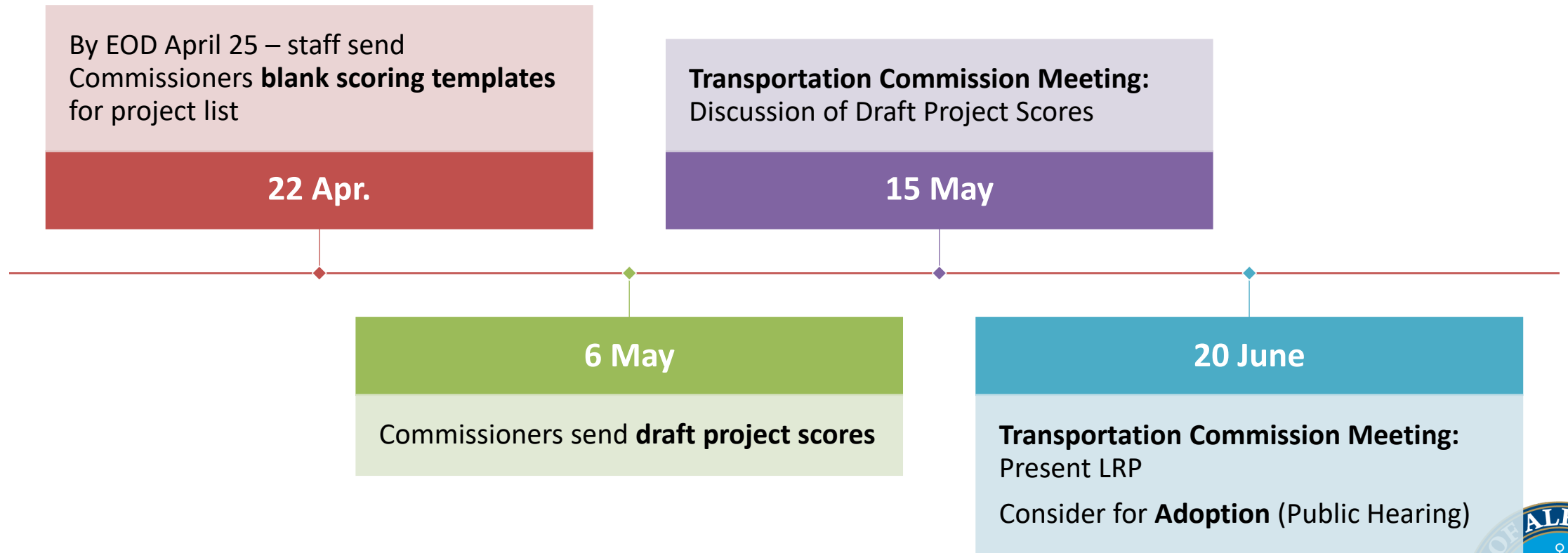


# 2024 Removed Study

- 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
<b>Total Cost</b>	<b>Up to \$28 Million</b>



# 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. NB 500)	Transaction project rating rank (incl. NB 500)	CRRC (Reduction in annual person hours of delay / Total project cost in \$1000's)	CRRC rank
CFC-011	City of Falls Church	<a href="#">City of Falls Church Signal Prioritization Project</a>		\$ 1,400,000		\$ -	\$ 1,400,000	PE, CN		25.70	9	653.57	1
ALX-037	City of Alexandria	<a href="#">Smart &amp; Connected Vehicle Infrastructure</a>		\$ 3,000,000		\$ 30,000	\$ 3,030,000	PE, CN		21.70	15	277.60	2
PWC-042	Prince William County	<a href="#">Route 234 Operational Improvements</a>		\$ 10,000,000		\$ -	\$ 10,000,000	PE, CN, Acq		29.19	8	240.43	3
FFX-138	Fairfax County	<a href="#">Seven Corners Ring Road Improvements</a>		\$ 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	<a href="#">Roundabout at Route 28 and Sudley Rd</a>		\$ 4,020,000		\$ 1,475,000	\$ 5,495,000	CN		23.34	13	113.76	5
VRE-017	VRE	<a href="#">VRE Backlick Road Station Improvements</a>		\$ 6,145,103		\$ 2,500,000	\$ 8,645,103	CN		23.92	12	102.62	6
ALX-032	City of Alexandria	<a href="#">South Van Dorn Street Bridge Enhancements</a>		\$ 10,000,000	\$ 3,000,000	\$ 70,000	\$ 13,070,000	CN		38.61	2	33.00	7
ALX-033	City of Alexandria	<a href="#">Alexandria Metroway Enhancements</a>		\$ 7,000,000		\$ 7,924,792	\$ 14,924,792	ROW, CN		32.36	5	25.61	8
CMP-001	City of Manassas Park	<a href="#">Route 28-Centreville Road Corridor Improvements</a>		\$ 40,000,000		\$ -	\$ 40,000,000	PE, ROW, CN		15.59	21	24.75	9
CFX-019	City of Fairfax	<a href="#">Blenheim Boulevard Multimodal Improvements (formerly Old Lee Highway Multimodal Improvements)</a>		\$ 3,400,000	\$ 13,000,000	\$ 12,000,000	\$ 30,400,000	CN		13.38	23	24.56	10
ALX-029	City of Alexandria	<a href="#">Safety Improvements at High-Crash Intersections</a>		\$ 3,000,000		\$ 1,000,000	\$ 20,500,000	PE	\$ 16,500,000	24.25	11	24.07	11

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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

- NVTA 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
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# Items for Consent

Agenda Item #9



# Other Business

Agenda Item #10



# Adjourn Transportation Commission Meeting

Next meeting: April 17, 2024

