

# Langston Boulevard Transportation Update

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**DES Division of Transportation**

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March 2025



# Overview

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- Arlington's Transportation Future: Refreshing the Master Transportation Plan
- Ongoing & upcoming transportation studies
  - Langston Blvd Multimodal Intersections Study, Areas 2 and 3
  - Langston Blvd Area 5 Corridor Study
  - VDOT-led US 29 STARS Study
- Ongoing & upcoming projects

# Arlington's Transportation Future

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A Comprehensive Refresh of the County's  
Master Transportation Plan



# Overview

## *Why a Refreshed Plan?*

### **The current Master Transportation Plan (MTP) (2007)...**

- Does not reflect recent trends, technologies, policies, or best practices
- No longer provides sufficient guidance for staff, Committees & Commissions, and the Board



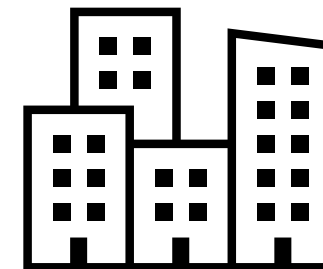
# Overview

## Arlington Values

A refreshed Transportation Plan will integrate equity, biophilia, Vision Zero, climate resilience, and economic competitiveness. The existing MTP does not address current community values expressed through recent Board resolutions, policy decisions, and recent planning.



ARLINGTON COUNTY

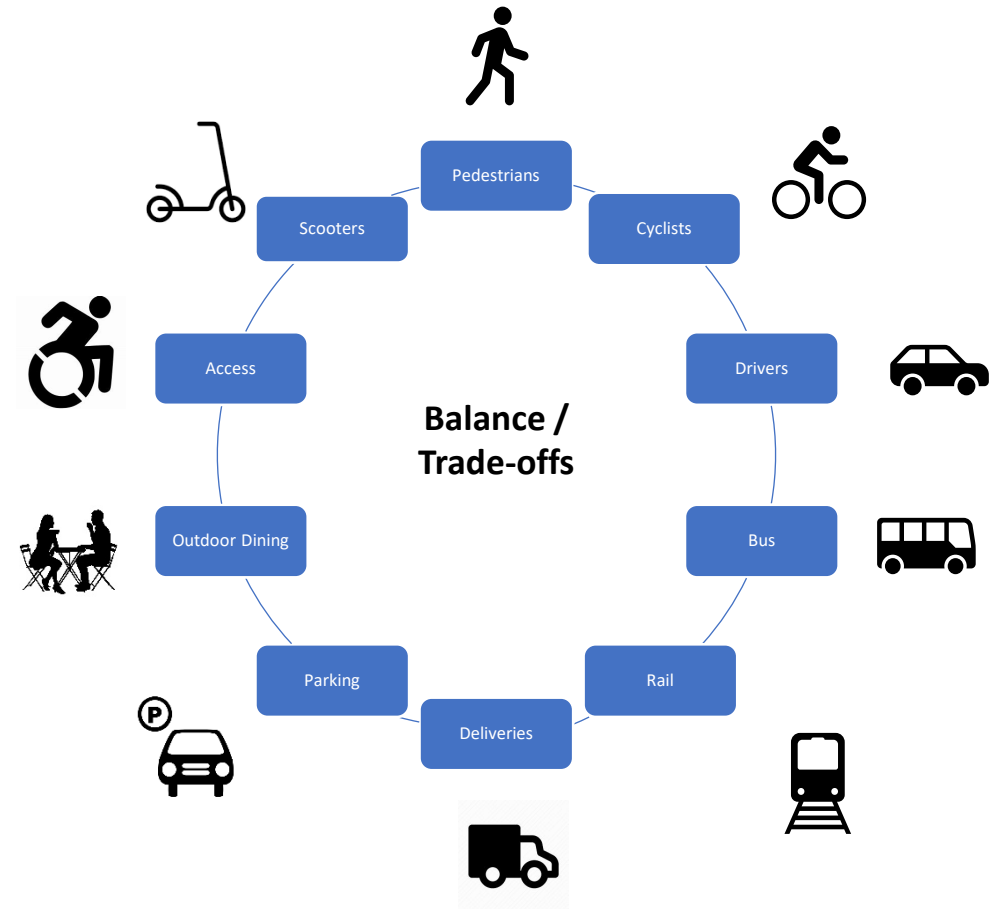


# Overview

## *What will the Refreshed Plan Do?*

### The Plan will...

- Consider Arlington's transportation network as a multimodal system & address modes holistically
- Integrate the six modal elements into one cohesive planning document
- Develop a shared understanding of priorities and tradeoffs
- Simplify future decision making on transportation projects



# Plan Timeline





# Phase 2 Engagement

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- **Phase 2 engagement is open now: Saturday, February 22 – March 23**
- Phase 2 (of 3) is focused on collecting feedback on the **draft Vision and Goals**
  - *Help us spread the word! Use the [Communications Toolkit](#) on the webpage to share information with your stakeholders*
  - [Share your feedback](#) on the draft Vision and Goals
    - *Fill out the online feedback form*
    - *Visit us at an upcoming event*



# Multimodal Intersections Study – Areas 2 and 3

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Item No.	Strategy / Actions	Timing	Implementing Agency(ies)	Relevant Policy
<b>Future Planning Studies/Processes</b>				
43	As part of the annual work plan discussion, consider priority and timing to reexamine the Cherrydale revitalization plan to update goals and recommendations to gain greater alignment with the adopted Langston Boulevard Area Plan.	MT	CPHD Planning	All Policies
44	After first advancing discussions to confirm VDOT and WMATA interest in pursuing potential joint development at the EFC Metro site, incorporate into annual work plan discussions the elevated priority of reevaluating recommendations of the East Falls Church Area Plan for the Metro site to achieve greater alignment through such development with the goals and recommendations of the Langston Boulevard Area Plan.	ST / MT	County Board CPHD Planning DES Transportation VDOT WMATA	All Policies
45	Conduct transportation studies when appropriate, to determine the design of the major intersections along the corridor. Designs should focus on how to achieve Vision Zero goals and improve intersection operations. Street Network Maps indicate proposed locations for future study.	0	DES Transportation VDOT	TC.1. TC.3. TC.5. TC.9.
46	Conduct a detailed transportation analysis of the Area 5 cross-section recommendation in coordination with VDOT.	MT	DES Transportation VDOT	All Complete Street Policies
47	Monitor, evaluate, and study opportunities to enhance transit, reduce travel times and improve transit reliability along the corridor, including through the Transit Strategic Plan and its recommendations.	0	DES Transportation	All Transit Policies
48	Use identified tree equity areas (associated with the Forestry and Resources Natural Resources Plan (FNRP) planning process) and develop partnerships and specific programs to encourage additional tree planting in these areas.	0	DPR	All Tree Canopy Policies.
49	As part of public space planning and design processes, evaluate Public Space needs periodically to address the changing context and to meet the needs of an evolving Langston Boulevard community.	0	DPR	PS.9.
50	Analyze the option of adding one or more microgrids in the corridor to support the implementation of the Energy Assurance Plan and enhance resiliency along Langston Boulevard.	LT	D M	
51	Once finalized through a separate planning process (expected by 2025), rely on Flood Resilience Design Guidelines to guide stormwater management projects including overland flow paths, stormwater detention and conveyance, and flood mitigation.	0	D M	

**Timing:**

- 0** - Ongoing
- ST** - Short Term (immediately or within 3 years)
- MT** - Mid Term (4 to 9 years)
- LT** - Long Term (10 years or longer)

# Purpose and Schedule

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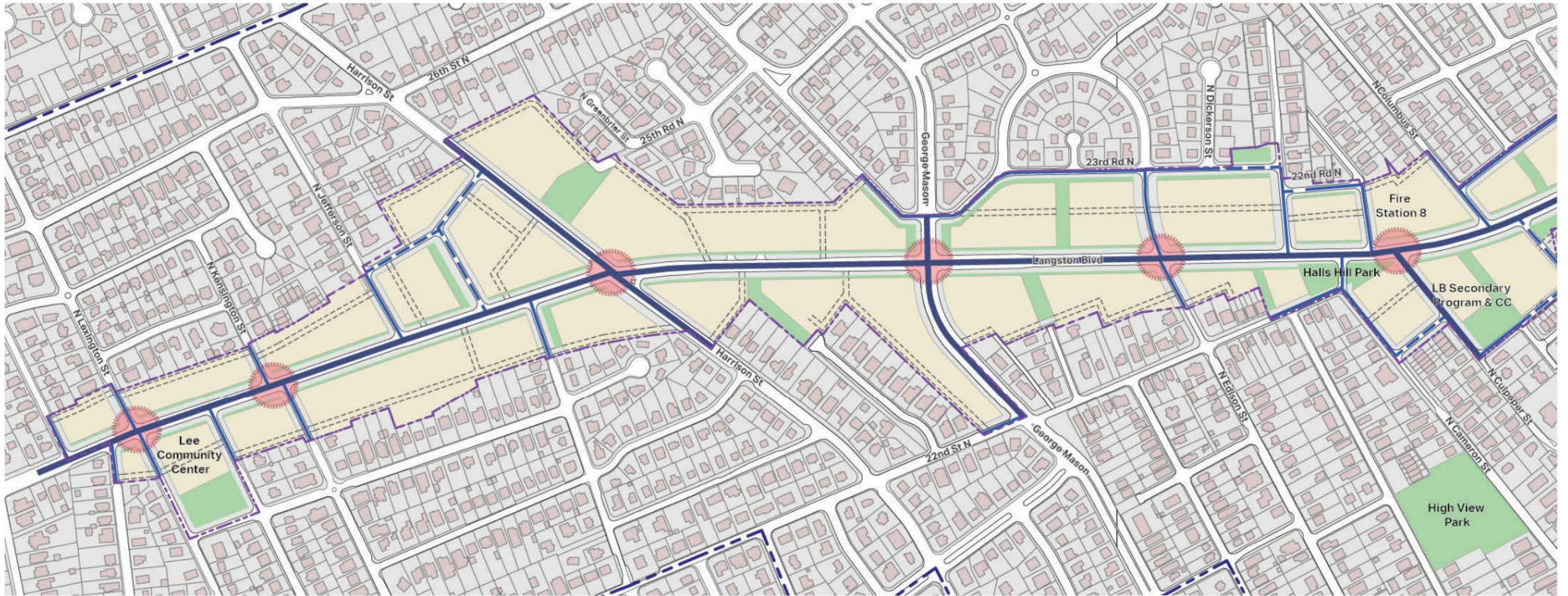
- The Multimodal Intersections Study will:
  - Advance the Langston Boulevard Area Plan recommendations at key intersections within Areas 2 and 3
  - Identify additional improvements to safety, operations, accessibility
  - Develop design concepts for County project implementation
  - Lay out longer-term improvements that are dependent on redevelopment
- Kicked off this month (March 2025), anticipated completion Spring 2026


# Study Area & Scope

- Intersections within Areas 2 and 3 of LB Area Plan
  - N Lexington St to Military Rd
- Develop concept designs for “Intersections identified for further study” in the LBAP





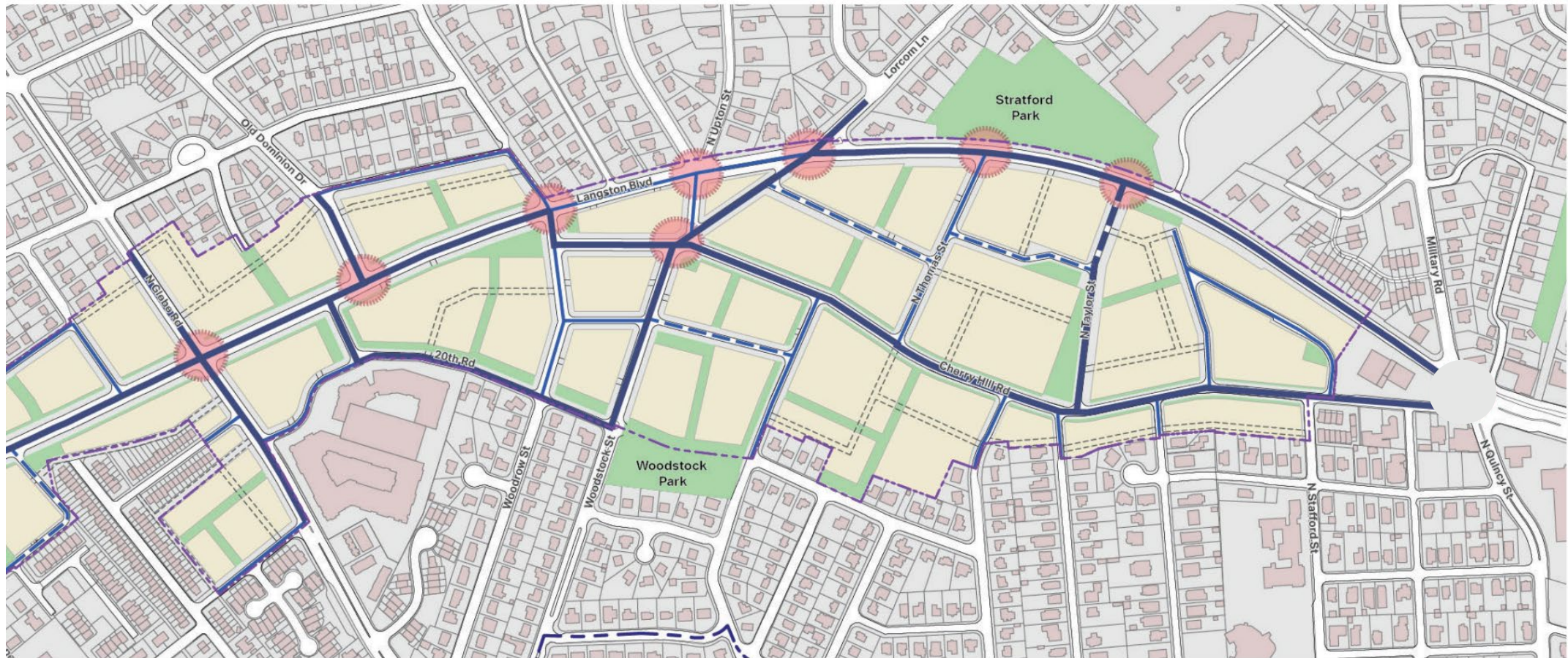


 Study Intersections

## Area 2 – Street Network

- North Lexington Street
- North Kensington Street
- North Harrison Street
- North George Mason Drive
- North Edison Street
- North Culpeper Street





Study Intersections

### Area 3 – Street Network

- North Glebe Road
- Old Dominion Drive
- North Woodrow Street
- North Upton Street/North Vermont Street
- Lorcom Lane
- North Thomas Street
- North Taylor Street (proposed extension)
- Cherry Hill Road at North Woodstock Street



# Schedule & Community Engagement

- **Spring-Summer 2025 – Project Kickoff, data collection, initial concept development**
  - Website development
  - Community project kickoff presentation
- **Late Summer-Fall 2025 – Concept Engagement & Revisions**
  - Community workshop
  - Show initial concept designs
  - Online feedback form
- **Winter-Spring 2026 – Study Report**
  - Presentation of revised concepts





# Area 5 Corridor Study



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51	Once finalized through a separate planning process (expected by 2025), rely on Flood Resilience Design Guidelines to guide stormwater management projects including overland flow paths, stormwater detention and conveyance, and flood mitigation.	0	DE M	

**Timing:**

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# Purpose and Schedule

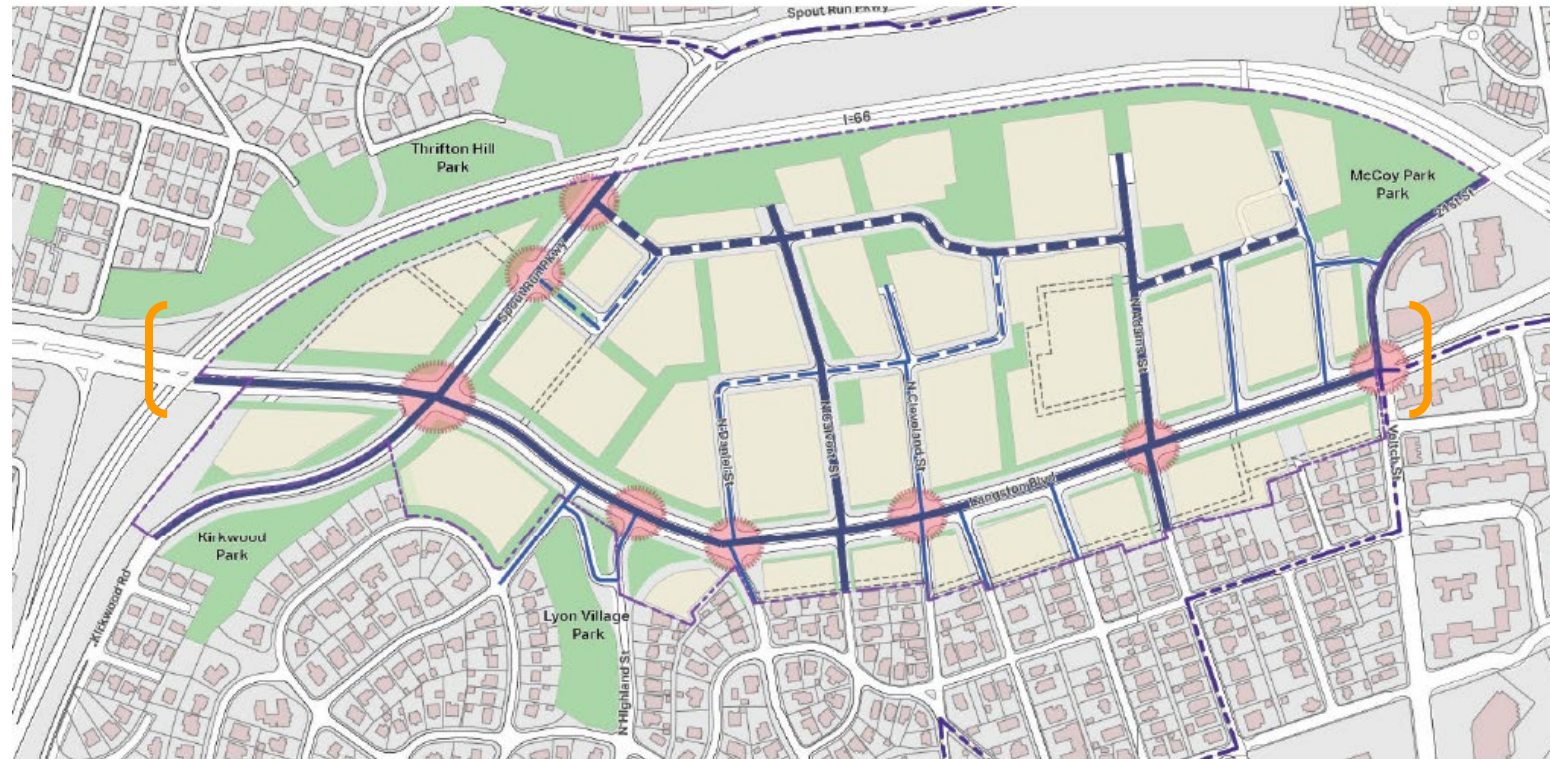
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- The Area 5 Corridor Study will:
  - Conduct detailed analysis of the Area 5 cross-section recommendation in coordination with VDOT
  - Identify additional improvements to safety, operations, accessibility
  - Develop the design concept for the corridor to advance for County project implementation
  - Identify any longer-term improvements that are dependent on redevelopment
- Anticipated kickoff late 2026 - early 2027, conclude in 2028

# Study Area & Scope

- Area 5 (west) of LB Area Plan
  - Exact extents TBD, but inclusive of Langston from I-66/Spout Run Pkwy to N Veitch St
- Corridor analysis
  - Analyze each block, inclusive of the intersections identified for further study

## Area 5 (west)





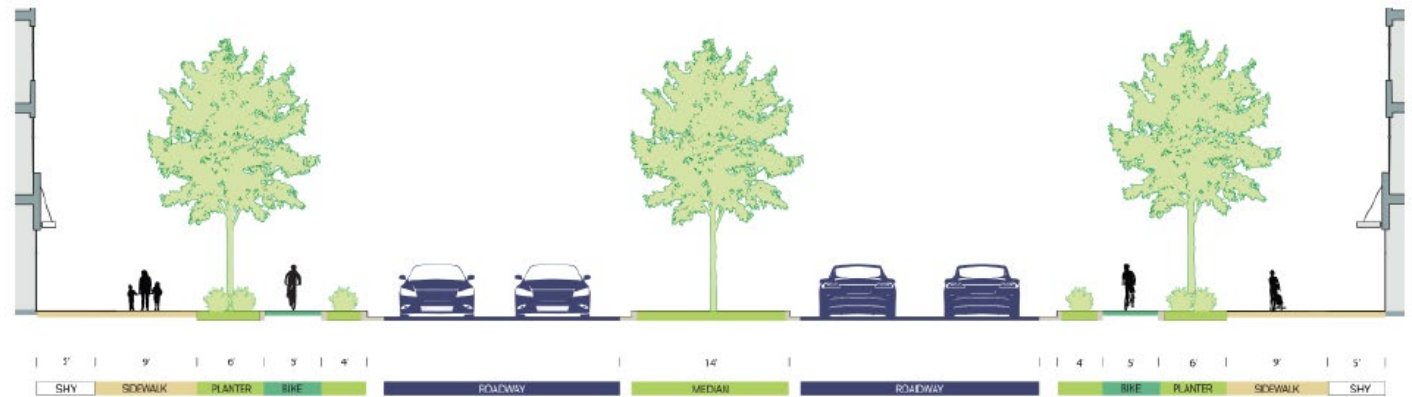
# Study Area & Scope

- Develop concept design of corridor reconfiguration required to implement cross-section recommended in LBAP



Area 5 (West) Langston Blvd. Streetscape

Spout Run Parkway to N. Veitch Street (Enhanced Bike Facility)



## Streetscapes- Minimum Standards

Street	Travel lane Width	Bike Facility Width	Parking Width	Flex-Zone Width	Landscape Area / Street Trees	Sidewalk Width	Shy Zone
Langston Blvd. (Spout Run Parkway and N. Veitch Street)	10 - 12 feet	5 feet	7 feet (if added)	8 feet (if added)	4 feet + 6 feet	9 feet	5 feet

# VDOT US 29 STARS Study



# Purpose and Schedule

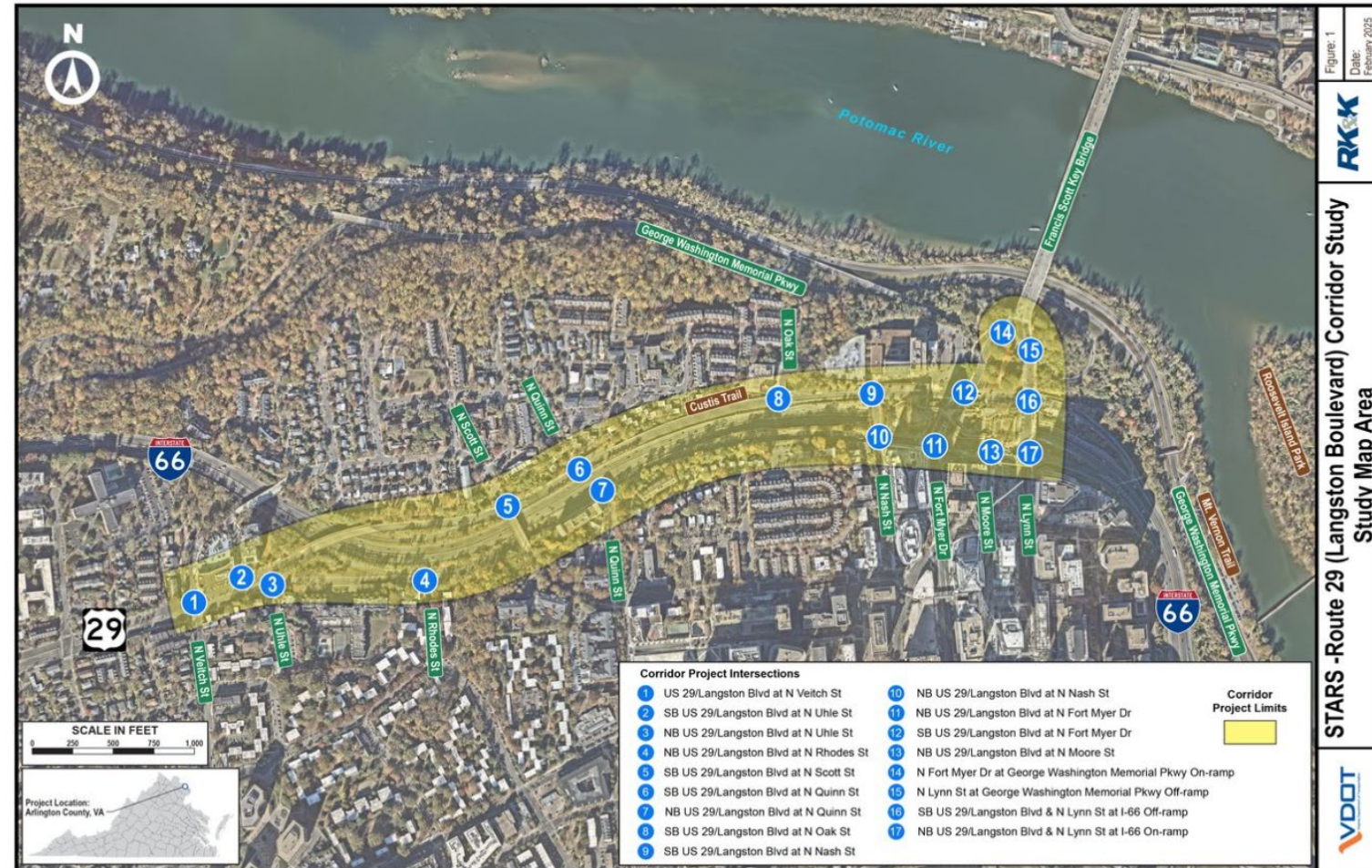
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- VDOT-led study through their [STARS](#) (Strategically Targeted Affordable Roadway Solutions) Program
  - To “develop comprehensive and innovative multimodal transportation solutions to address congestion and safety challenges in the Commonwealth”
  - Identifies projects that can be programmed into the [VDOT Six-Year Improvement Program](#)
- Kicked off late 2024, anticipated completion late 2026
  - [Langston Boulevard STARS Study in Arlington County | Virginia Department of Transportation](#)
  - **\*\*First round of public involvement open until March 12\*\*** Take the [online survey here](#)



# Study Area & Scope

- Langston Boulevard from N Veitch St to N Lynn St
- Includes Area 5 (east) portion of corridor from LBAP and portion within the Rosslyn Sector Plan area
- Part of Vision Zero High Injury Network



# Ongoing & Upcoming Projects

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# High Injury Network 2023-2025

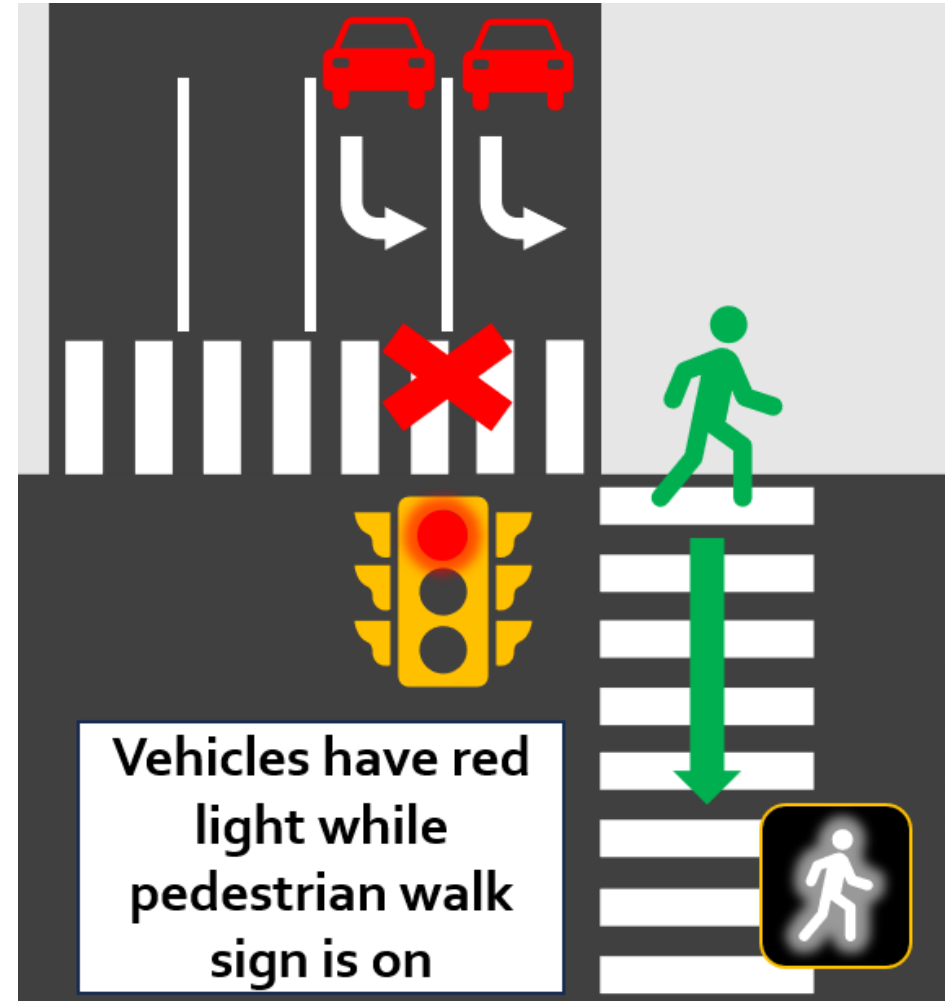
High Injury Network  
 County-Controlled Road Segment   
 VDOT-Controlled Road Segment 

2023	2024	2025
N Lynn St	Columbia Pike	Army Navy Dr
Washington Blvd	Wilson Blvd	Langston Blvd (west)
S George Mason Dr	S Walter Reed Dr (south)	Clarendon Blvd
S Hayes St	Henderson Rd	N Quincy St
S Fern St	S Courthouse Rd	2 <sup>nd</sup> St S
Langston Blvd (east)	N Monroe St	S Manchester St

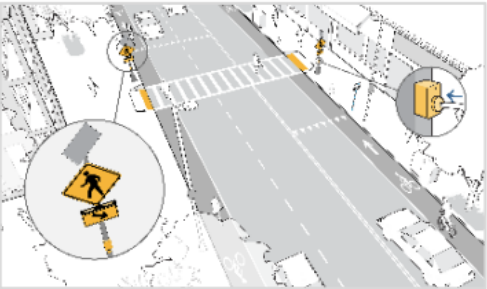
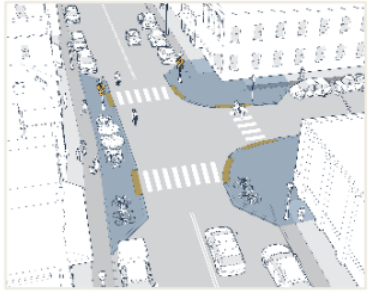
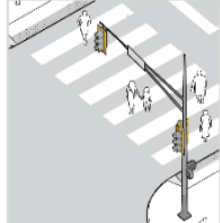
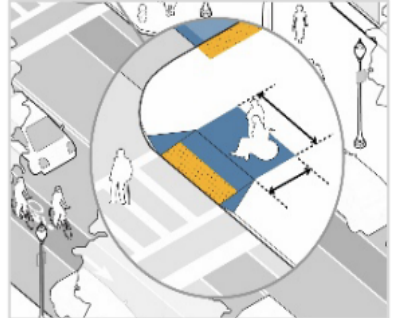


# EB Langston & Fort Myer Dr Safety Pilot

- Eastbound Langston Blvd & Fort Myer Dr was identified in the 2019 crash hot spot analyses with a history of pedestrian crashes. Because this intersection is owned by the Virginia Dept of Transportation, we launched safety treatments via a trail [safety pilot project](#) in August 2021.
- We monitored field conditions and collected data through the first year of the pilot. [View the data collection findings.](#)
- Due to a pedestrian crash in 2023, we added bollards and markings to enhance the pilot.
- Following additional pedestrian crashes in 2024, we are changing the pilot design. New safety measures will be installed in fall 2024 to implement the 30<sup>th</sup> protected pedestrian phase in Rosslyn.
- Simultaneously, we are working to program long-term safety improvements through a capital project and signal rebuild at this intersection.

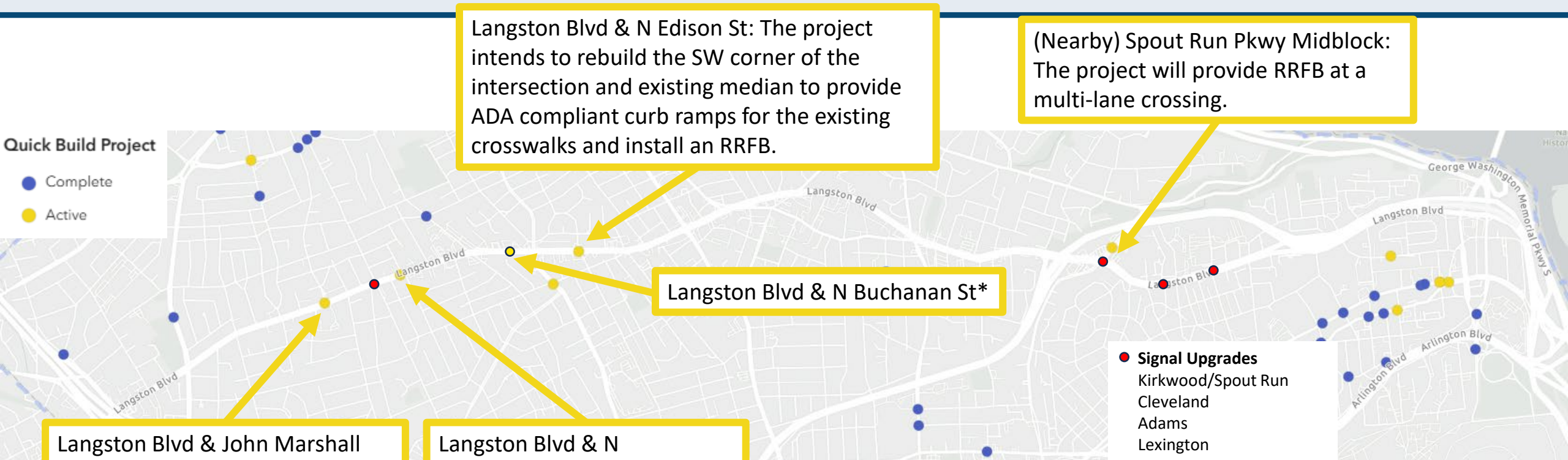


# Upcoming Improvements

Rectangular Rapid Flashing Beacons (RRFBs)	Modifications to Corners	Traffic Signal Backplates	Curb Ramps
			
<p>Increase driver yielding to pedestrians at uncontrolled crossings.</p>	<p>Shorten crossing distances, reduce motor vehicle turning speeds, improve visibility and sight distance at intersections.</p>	<p>Increase driver awareness of the traffic signal where visibility may be reduced.</p>	<p>Provide an accessible route to transition between the sidewalk and the road.</p>

From Arlington's Multimodal Safety Engineering Toolbox

# Upcoming Projects



Langston Blvd & N Edison St: The project intends to rebuild the SW corner of the intersection and existing median to provide ADA compliant curb ramps for the existing crosswalks and install an RRFB.

(Nearby) Spout Run Pkwy Midblock: The project will provide RRFB at a multi-lane crossing.

Langston Blvd & N Buchanan St\*

Langston Blvd & John Marshall Dr: This project will build out marked curb extensions at the NE corner, provide additional curb extension at the NW corner, and add median cut through. All improvements will meet ADA standards. Includes RRFB.

Langston Blvd & N Kensington St: The project intends to make median improvements to provide an RRFB.

- **Signal Upgrades**
  - Kirkwood/Spout Run
  - Cleveland
  - Adams
  - Lexington

## Additional Corridor-Wide Improvements

- Transit Signal Priority
  - Backplate installations
- Coordinate with VDOT on speed limit reviews