

# Livability 22202

Developing better, more livable neighborhoods in and around Pentagon City and Crystal City.

## **AGENDA ITEM 1: WHAT IS LIVABILITY 22202?**

How has Route 1 impacted Livability in 22202?



**Route 1 Now**

# Livability 22202

Developing better, more livable neighborhoods in and around Pentagon City and Crystal City.

## **LIVABILITY22202 ROUTE 1 WORKING GROUP**

Represents the interests of people who live, work, and visit the study area

Articulates community goals and priorities for the project

Examines design alternatives outside of alternatives considered in the VDOT study

## **ACTIONS TO DATE**

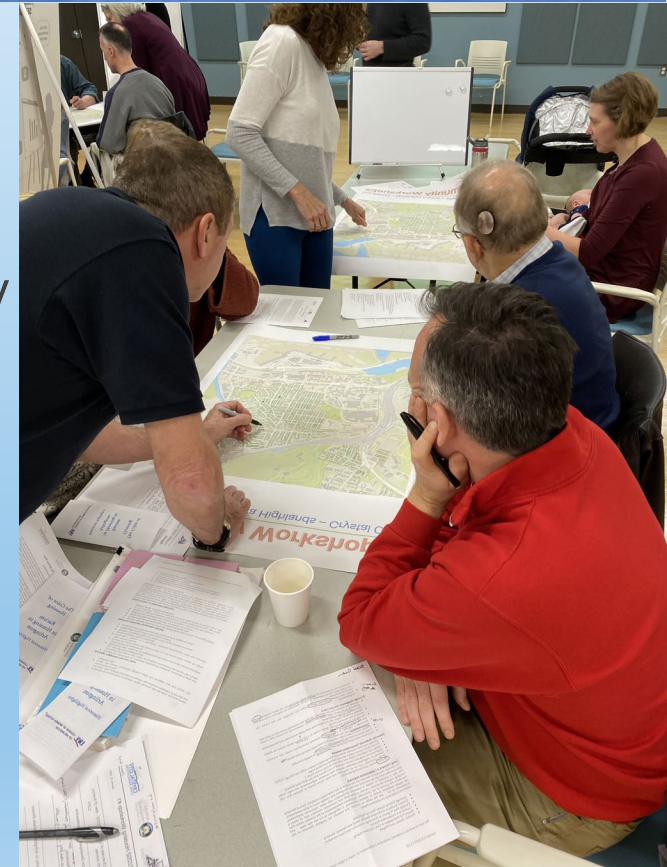
Held public workshops on 8/26/00 & 9/30/00

Drafted project goals

Surveyed community on use of, and attitude about, Route 1

Coordinated Livability 22202 response to initial VDOT public engagement

Hosted tonight's meeting with VDOT and community





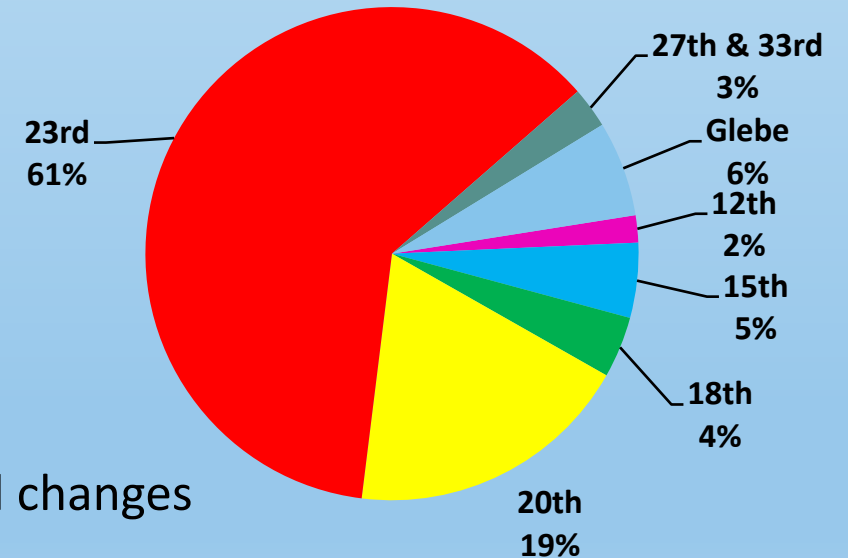
# Livability 22202

Developing better, more livable neighborhoods in and around Pentagon City and Crystal City.

## COMMUNITY CONCERNS: KEY SURVEY & WORKSHOP TAKEAWAYS

- Safe and convenient east-west connections are priority
- 23rd St perceived as risky by pedestrians and cyclists
  - Survey showed 23<sup>rd</sup> St as overwhelmingly identified as dangerous
  - Other responses suggested it was confusing and congested
  - Avoided by a 2:1 ratio
- Traffic queuing issues at 23rd St S
  - Short block complicates options
  - Absence of dedicated signal phases for turning movements
- Ambivalence about current 15th or 20th St S crossings – and proposed changes

**80% Avoid 23<sup>rd</sup> and 20<sup>th</sup> Streets!**





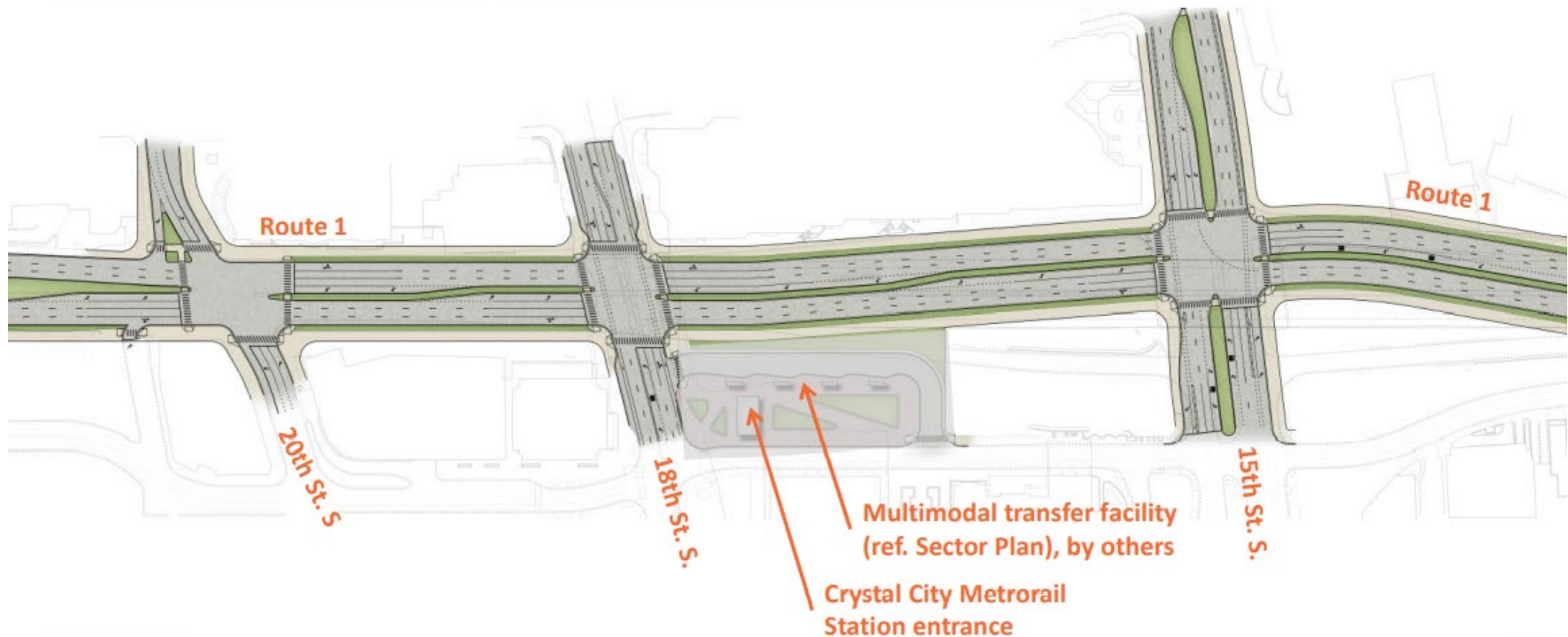
## **Recommendation**

# At-grade at 15<sup>th</sup> and 18<sup>th</sup> Streets

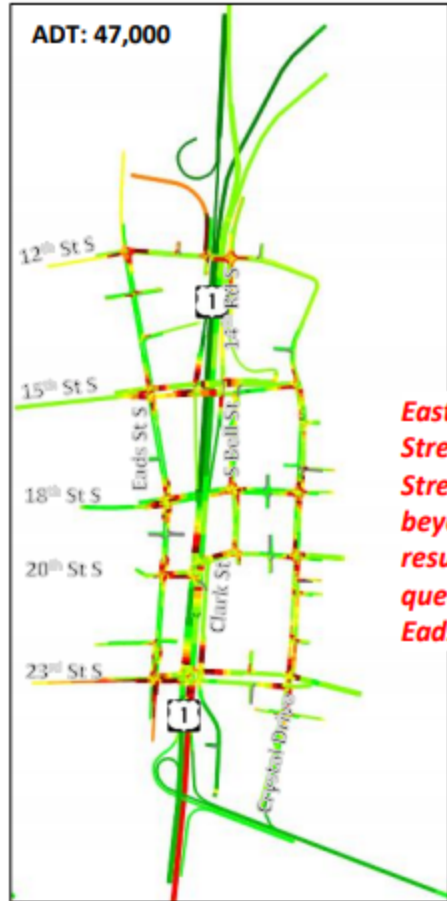
## Route 1 Multimodal Improvements Feasibility Study *Executive Summary*



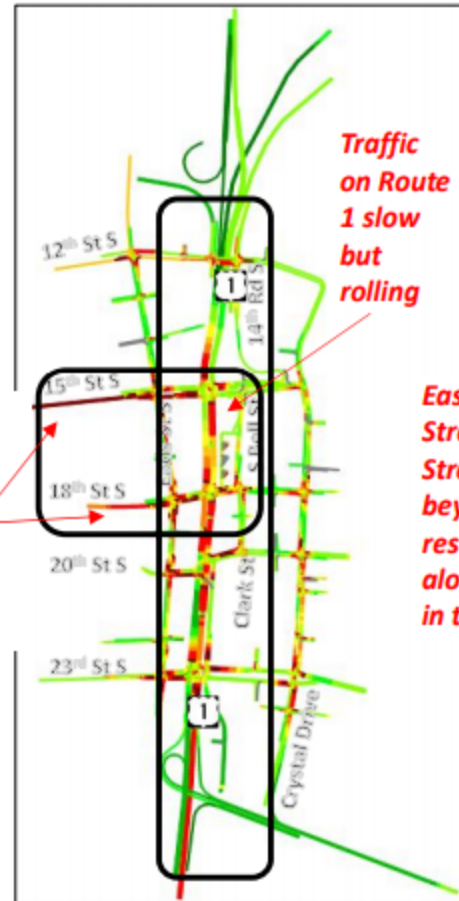
*At grade configuration with new multimodal transfer station*



## AM Peak Hour Speed Comparison with Existing (2019) Volumes



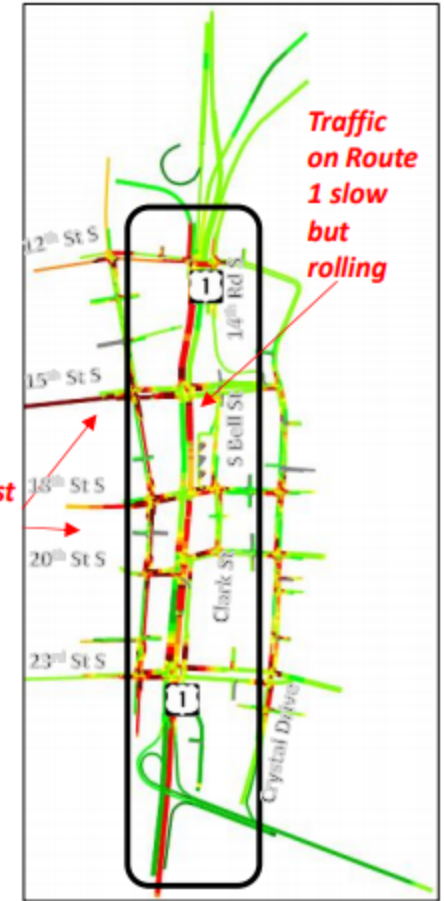
**Configuration:** Existing (Elevated)  
**Volumes:** Existing (2019)



**Configuration:** At-Grade Option 1  
**Volumes:** Existing (2019)



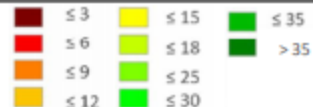
**Configuration:** At-Grade Option 2  
**Volumes:** Existing (2019)



**Configuration:** At-Grade Option 3  
**Volumes:** Existing (2019)

### LEGEND

Average Vehicle Speed  
(mph)



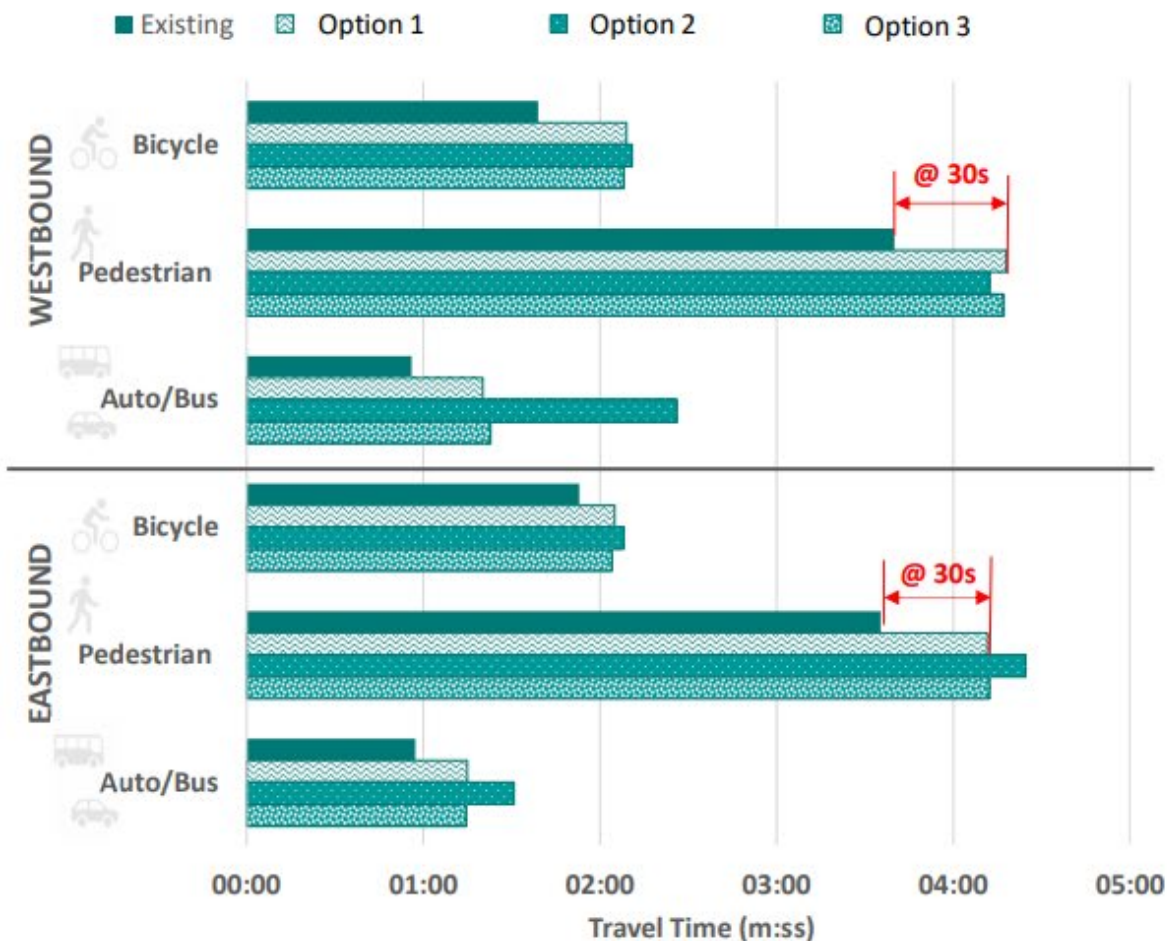


# Travel Times on 15<sup>th</sup> and 18<sup>th</sup> Streets (Eads to Bell) by Mode

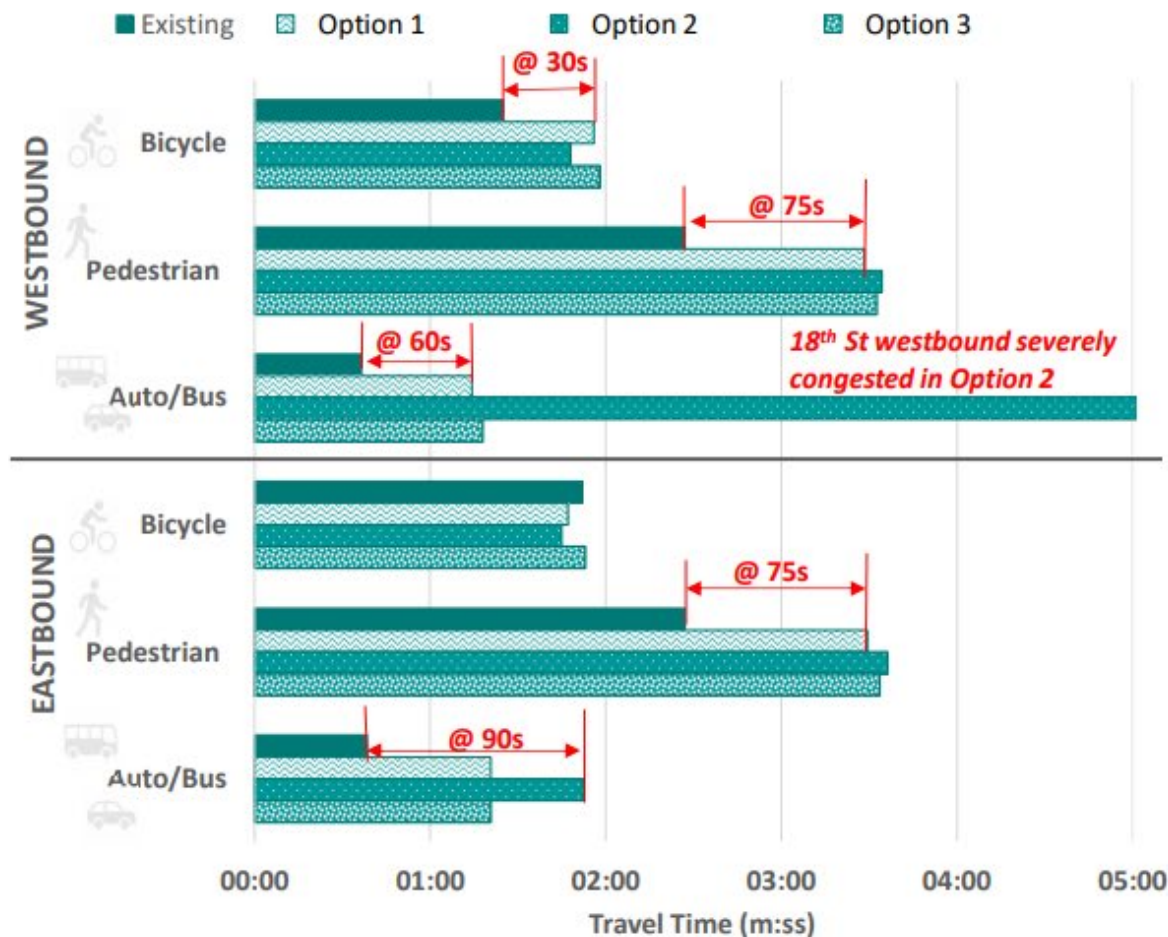
## Applying Existing (2019) AM Peak Hour Volumes



15th Street Travel Times with Existing (2019) Volumes



18th Street Travel Times



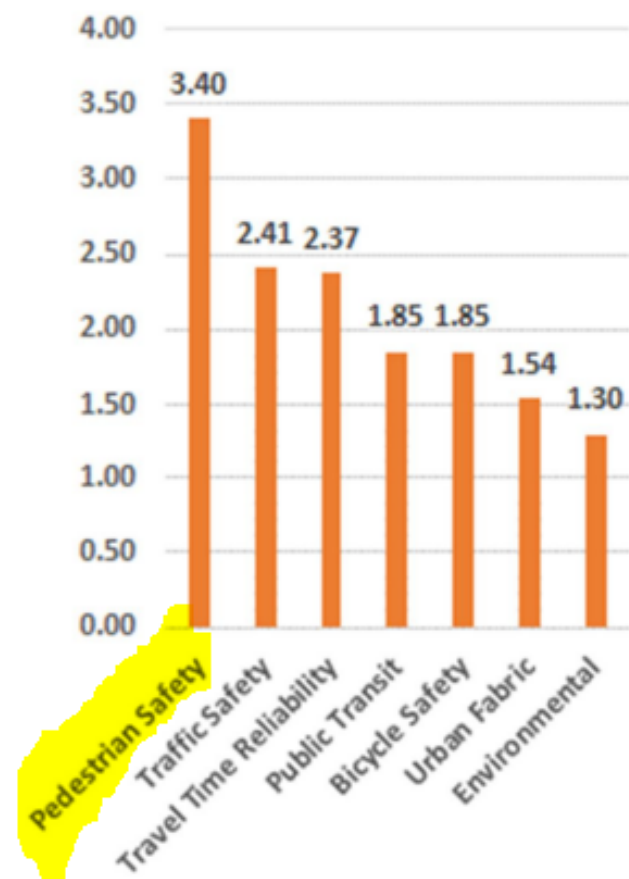


## Multimodal transportation analysis

- ✓ Safety analysis
- ✓ Citizen Survey
- ✓ Existing conditions analysis
- ✓ Transportation forecasting for Years 2025 & 2040 (pre-pandemic based on COG regional model)

	Existing	2025	2040
Existing & Projected Volumes	47,000	53,400	60,500

- ✓ Future no-build conditions analysis
- ✓ Selected typical section for study & at-grade/elevated alignment
- ⇒ Future build conditions analysis – *underway*

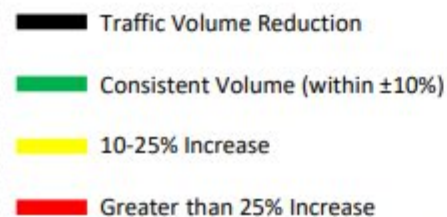


Design Priorities from  
Citizen Survey



## Change in 2025 AM Peak Period (3-Hour) Traffic Volumes

### Change in Traffic Volume



Facility		2025 Model AM Peak Period Volumes			
		No-Build	At-Grade	Change	% Change
Route 1	North of 15th	8,700	5,500	-3,200	-37%
	North of DCA	6,500	5,300	-1,200	-18%
GW Parkway		18,100	18,600	500	3%
I-395		39,800	39,900	100	0%
Crystal Drive		680	1,180	500	74%
S Eads St		1,290	1,550	260	20%
S Fern St		960	1,100	140	15%
S Hayes St		1,670	2,220	550	33%
S Joyce St		2,040	2,130	90	4%
Arlington Ridge Rd		1,740	1,900	160	9%
23rd St S		1,220	1,280	60	5%
Fort Scott Dr		110	130	20	18%
S Glebe Rd		4,410	4,500	90	2%

- Potential traffic diversion using regional travel demand model and assuming reduced Route 1 capacity
- Strengthening travel demand management will reduce vehicle trips and may reduce or eliminate diversion



# Comparison of Right-of-Way (RW)



At-Grade Concept



Potential Excess RW	6.41 Ac
Easement Need	0.09 Ac

Sector Plan Concept



Potential Excess RW	5.15 Ac
Easement Need	0.09 Ac



Potential Excess  
Arlington RW



Potential Excess  
VDOT RW



Easement Needed  
for Route 1





# VDOT Feasibility Report is Incomplete and Unsatisfactory

- Safety
- Traffic
- Urban Design
- Impact on Community
- Process

*This is a once in a lifetime opportunity to dream big*

<https://livability22202.org/route-1-working-group/>



# Next Steps

---

- Wait for the final report (September)

## Resources

- Livability22202 Route 1 <https://livability22202.org/route-1-working-group/>
- VDOT Project Page [http://www.virginiadot.org/projects/northernvirginia/route\\_1\\_multimodal\\_improvements\\_study.asp](http://www.virginiadot.org/projects/northernvirginia/route_1_multimodal_improvements_study.asp)