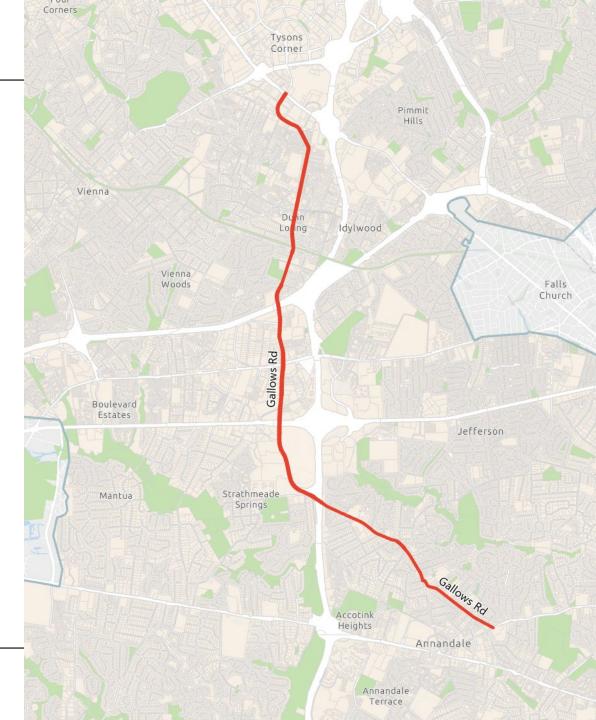
Gallows Road Multimodal Transportation Study

Public Meeting Round – 1

September 19, 2023 - Virtual September 20, 2023 – Luther Jackson Middle School

Nanditha Paradkar, P.E. Transportation Planner Department of Transportation **Tim Kutz** Transportation Planner Department of Transportation







Introductions

- Background and Purpose
- Vision Statement
- Existing Conditions Analysis
- Future Conditions Analysis
- Next Steps and Schedule





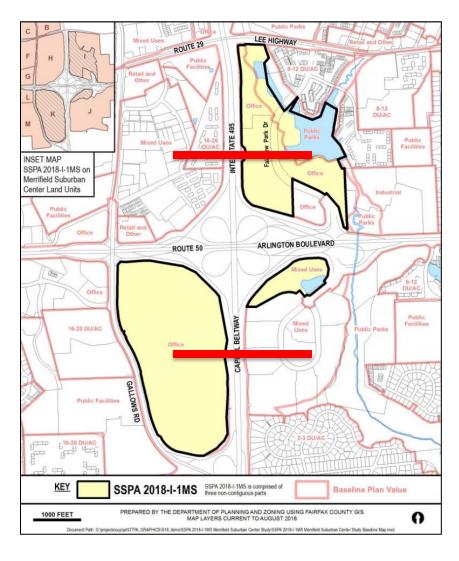


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Study Background

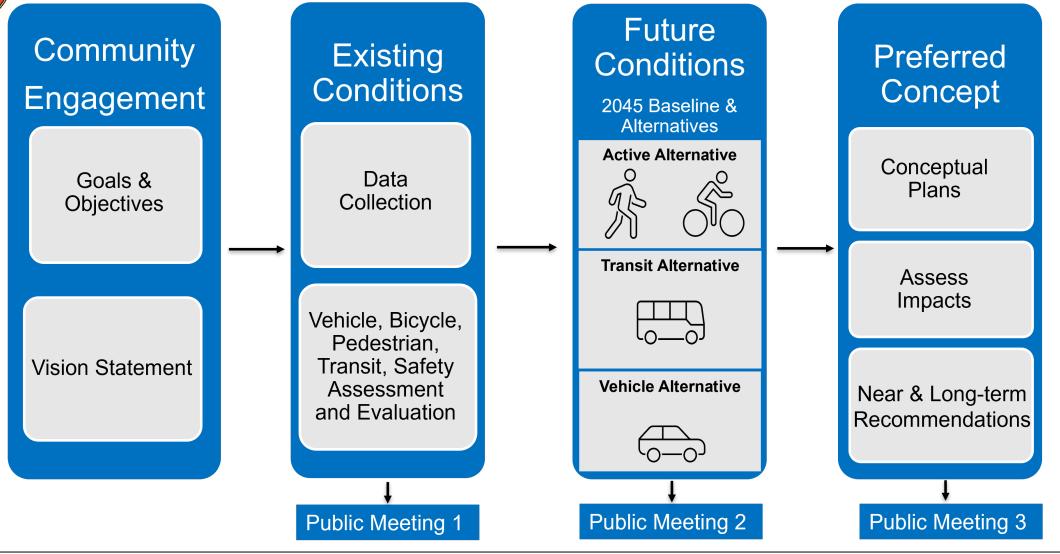
- Site Specific Plan Amendments for Inova Center
 Personalized Health and Fairview Park SSPA 2018-I-1MS
 - Evaluate Gallows Road
 - Better connect two sites
 - Parallel facilities review
- Gallows Road short & medium-term improvements study
- Long-term needs of the corridor \rightarrow Follow-on Motions















Community Outreach

Agencies

- Fairfax County Department of Transportation
- Department of Planning & Development
- Virginia Department of Transportation
- Town of Vienna

Community Groups

- Advocacy groups
- HOAs and citizen associations
- Houses of Worship
- Parks
- Schools
- Businesses

Public Outreach

- Public meetings
 - Three rounds of outreach
 - In-person and virtual
- Small community briefings as requested
- Community engagement
 - Project website
 - Social media posts
 - County agencies
 - Community developers







Vision Statement

Gallows Road will continue to evolve as an important transportation corridor by connecting and promoting healthy, environmentally sustainable communities, serving all users through improved active transportation (e.g. walking and biking) facilities, reliable and safe transit options, and a balanced road network.



6





Active	Transportation	Networks

Safety improvements, comfortable and accessible facilities

M	Equitable Mobility Options	Possible circulator and bus-rapid transit routes
ΨŢ	Balance Regional vs. Local Needs	Adequate access for local trips and connectivity to the regional transportation network
	Access to Transit	Pedestrian access, potential locations for transit centers, better amenities, reliability and convenience of transit service
Ō	Travel Efficiency and Reliability	Balance operations by shifting motor vehicle trips to other modes
2	Environment and Heritage Resources	Avoid and mitigate impacts

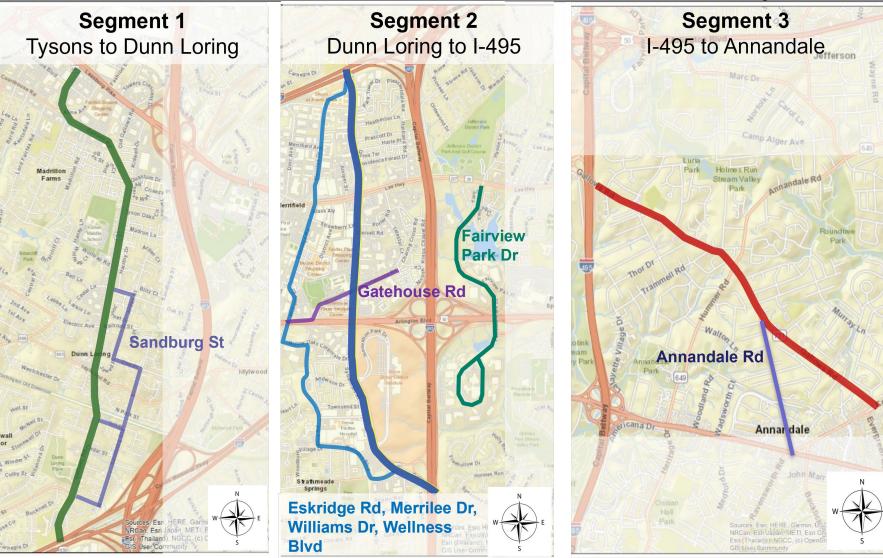




Study Area

Gallows Road Tysons to Annandale







Existing Conditions Analysis

Data Collection

- Inform and calibrate/validate the travel demand and traffic operations models
- Confirm with field observations and document current trends.
- Types of data collected:
 - Traffic counts
 - Travel time, queues, signal timing
 - Pedestrian, bicycle, transit and bus stop infrastructure











Local

59%

62%

46-53%

Corridor Travel Patterns

Analyzed travel patterns to discern types of vehicle trips served by Gallows Road: local, county, or regional

		Poolesville Seneca Gaithersburg
	Pimmit Hills	Leesburg Burtonsville Lauret
	Segment 1	LOUDOUN TO TO GIVE TO BOTH TO THE
nna	Swa Swa	Aspen Hilly
	B L L Ig Idylwood	WHISTY LANGE
		Siefind Stated And Man
Vienna Woods		A C C Pot ASParts
	Segment 2	1 FE DAY Danie De Contra
	Segment 2	Reston Contractor
产 国人帮任人		Dulles International
Boulevard Estates	Jefferson	Washington
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Mantua	trathmeade	(THE TTRUE) (
THE PART	Springs	Centreville to day and about the campeon
AL AS	egment 3	Alexandria je Springs
HI MAY 2	Callous p	Gainesville Burke Granconia
REDE	Accotink Heights	Manassas Bark Manassas
	Annandale	Newington Washington
County	Regional	Lotter & Lotter & Lotter
obuilty	Regional	som SE Back Piscataway
27%	14%	PRINCE Data City
∠ //0	14/0	WILLIAM Dale City Wildorf
070/	440/	Indian Head St Charles
27%	11%	Prince William Forest Park
		for a second sec
34-42%	10-12%	CHARLES

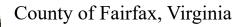


Segment

1-North

2 - Central

3 - South



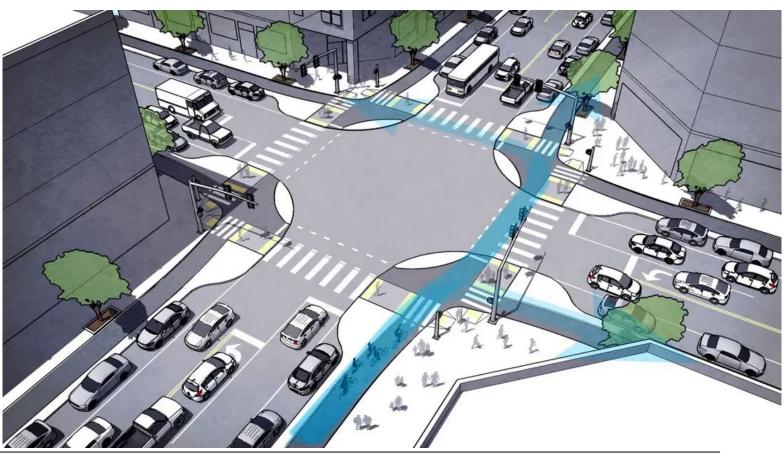


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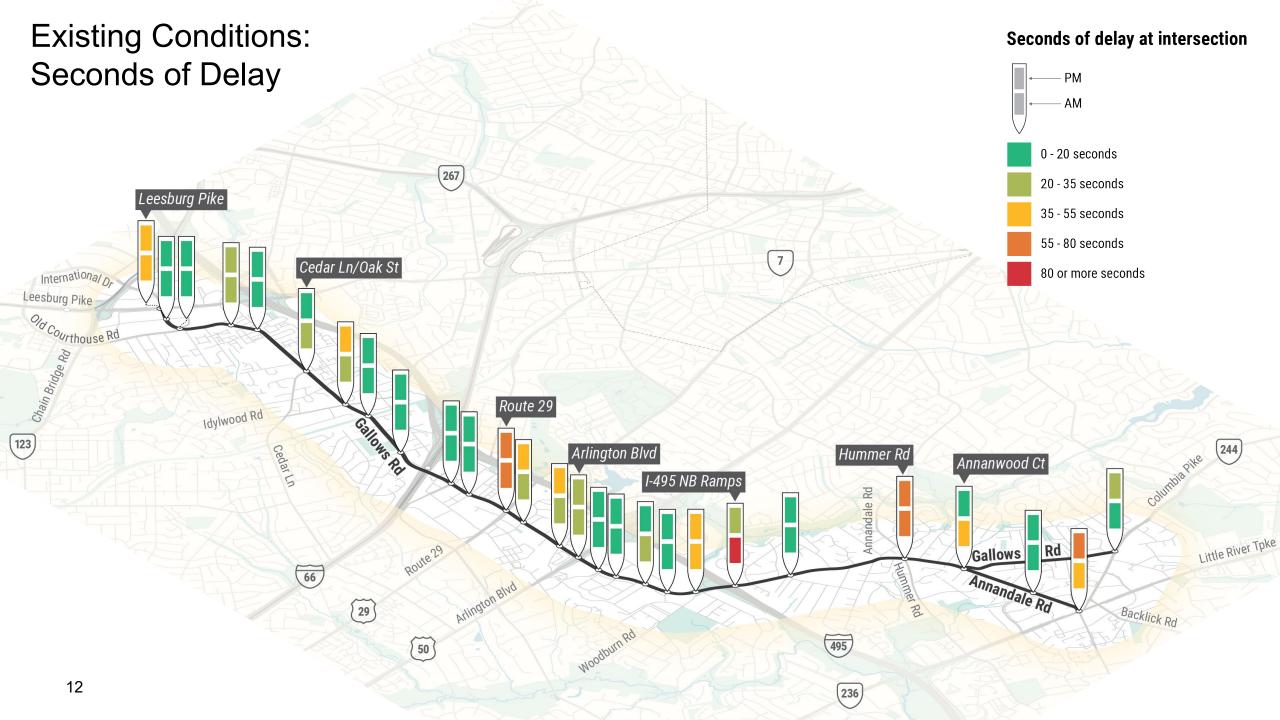
Analyzed existing traffic data, including an assessment of how well the roadway network is accommodating current demand

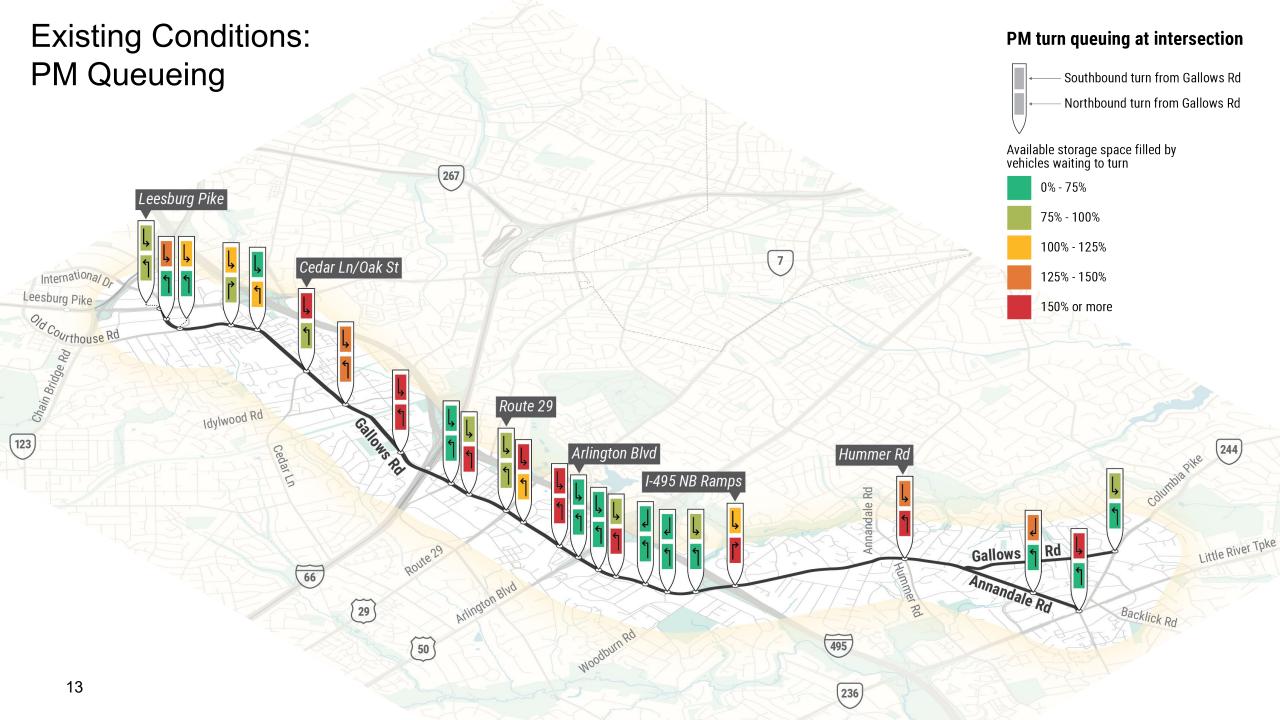
Key elements of the analysis include:

- Vehicle delay
- Vehicle queuing
- Travel times along the corridor

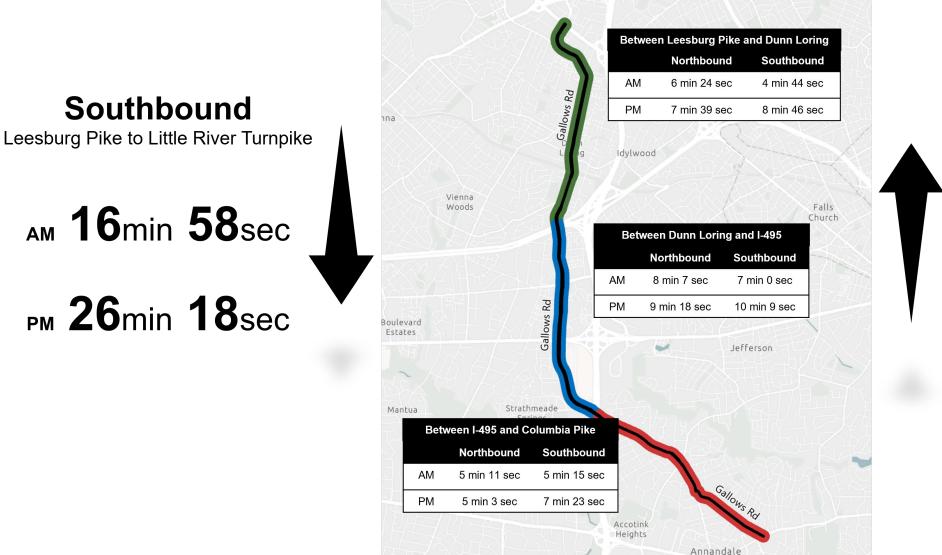








Existing Conditions: Observed Peak Period Travel Time



Northbound

Little River Turnpike to Leesburg Pike

AM 19min 43sec

PM 22min 0sec



Walk Audits

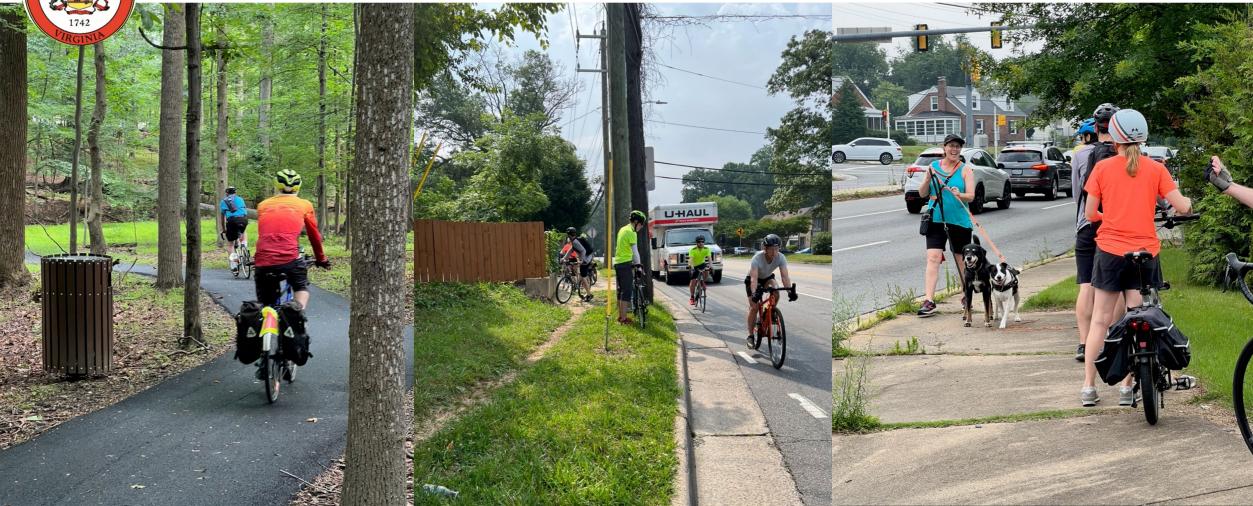


East side, approaching Justine Drive West side, crossing at Avenir Place/ Bellforest Drive West side, approaching Prosperity Avenue





Bike Audit



Asphalt trail behind INOVA Center for Personalized Health (ICPH) East side, approaching I-495 interchange

West side, approaching Hummer Road

Photos by Kevin Romance





Pedestrian Level of Comfort:

Qualitative metric of pedestrians' perceived comfort when travelling along or crossing a roadway

Each pathway segment and crossing scored 1-

- PLOC 1 is most comfortable
- PLOC 4 is least comfortable

Pathway factors include

- Pathway and buffer widths
- Posted speed limit
- Presence of parking lane, bike lane, street trees

Crossing factors include

- Number of lanes
- Posted speed limit
- Presence of median, pedestrian refuge

2

• Type of crosswalk markings



4

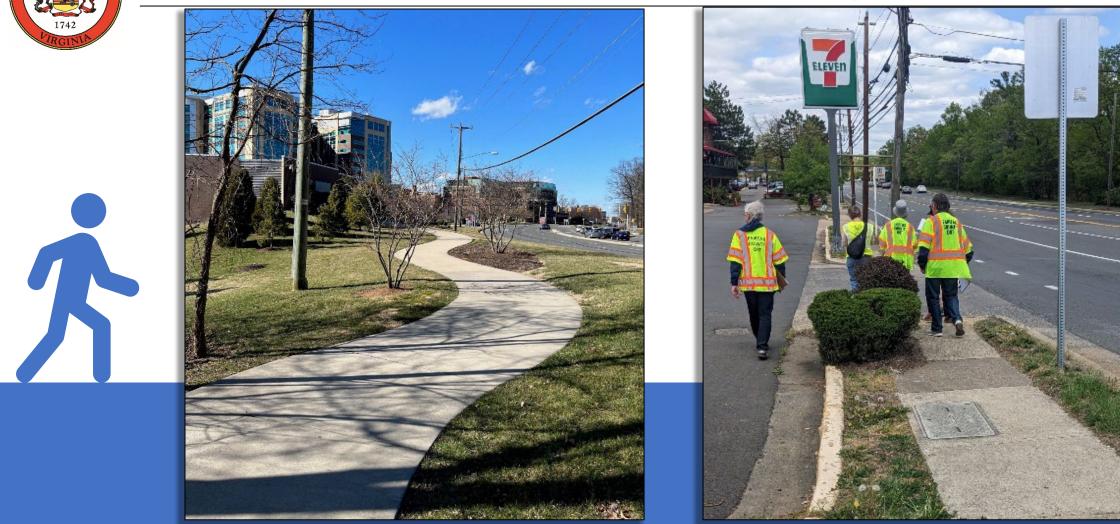
Pedestrian Level of Comfort

3

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Corridor Examples-Pedestrian



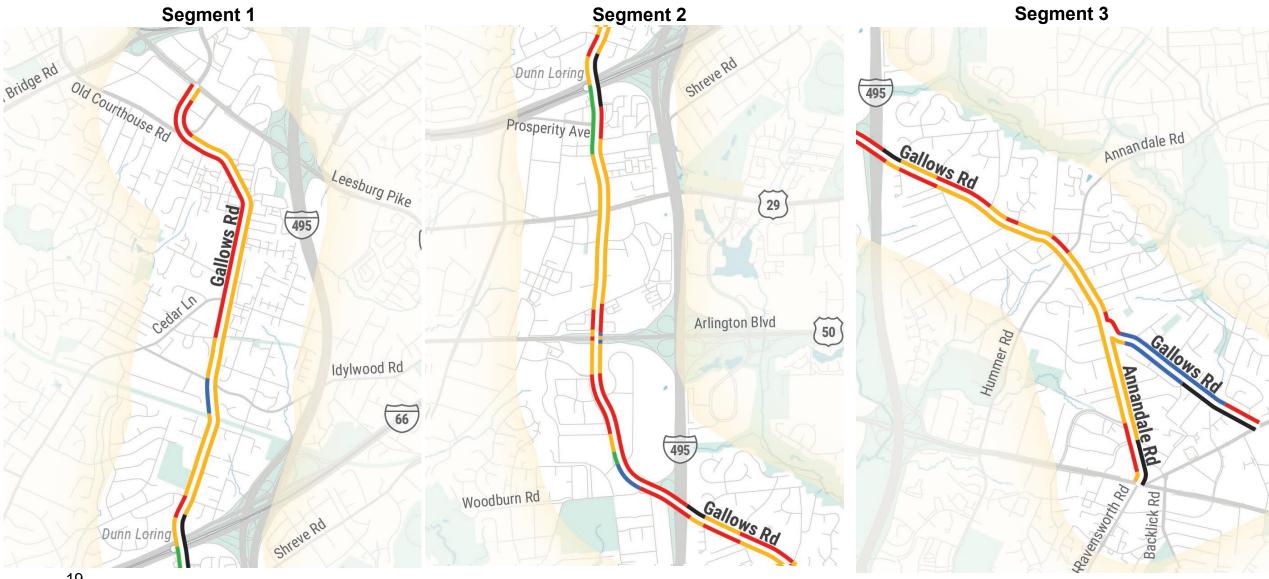
PLOC 4: Near Electric Avenue, west side



PLOC 1: Near INOVA, west side

Existing Conditions: Pedestrian Level of Comfort





Existing Conditions: Pedestrian Crossing Score







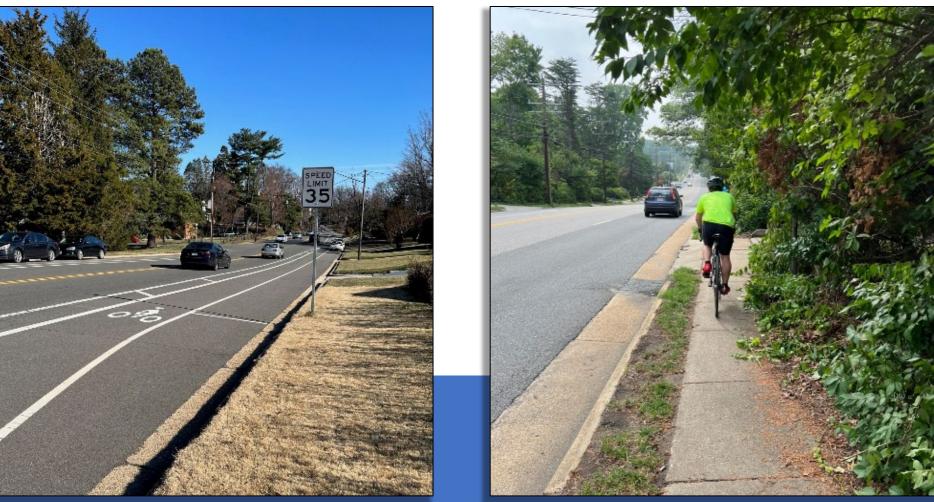
Bicycle Network







Corridor Examples-Bike



BLTS 2: Near Thornton St, southbound

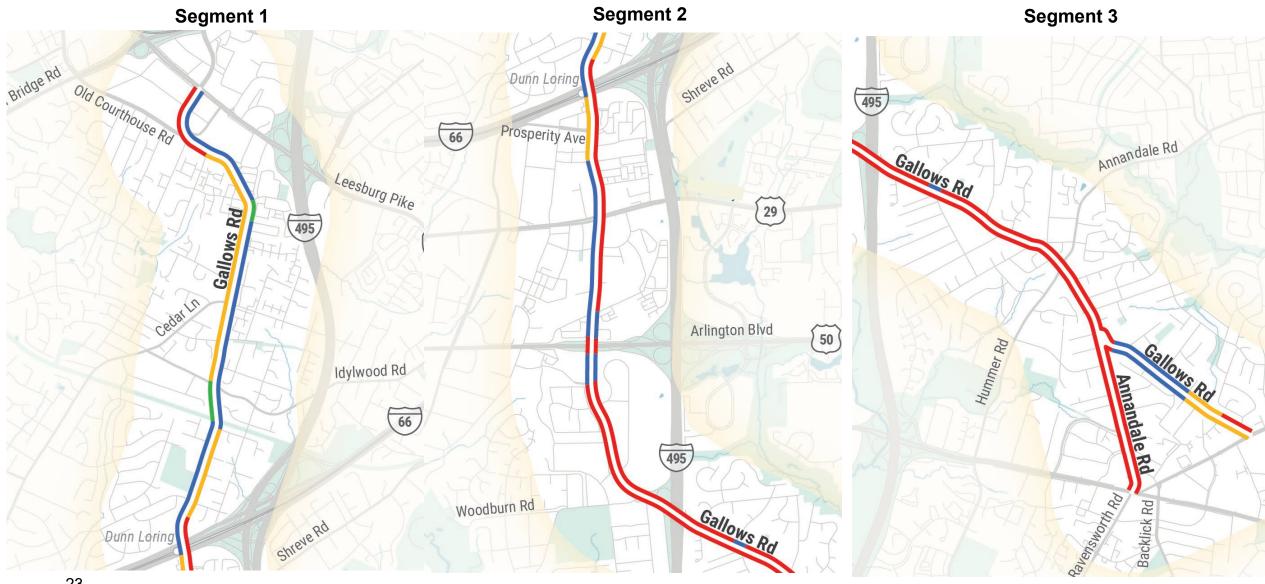
BLTS 4: Near I-495 interchange, southbound



Existing Conditions: Bicyclist Level of Traffic Stress

Bicyclist Level of Traffic Stress





Transit Network



- Local bus service in the provided by Fairfax Connector and Metrobus (WMATA)
- Primary route on Gallows Road is 401/402
- Connector Routes:
 - 401/402
 - 462/467
 - 803

- Metrobus Routes
 - 1A/1B
 - 1C
 - 2A
 - 2B

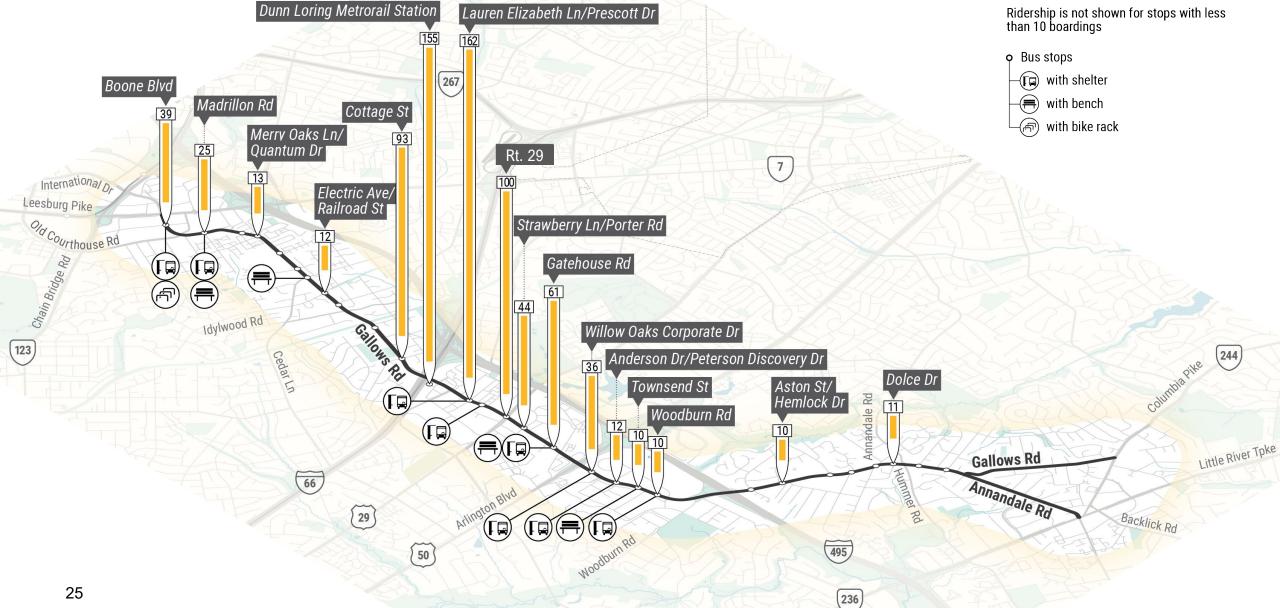




Existing Conditions: Transit Ridership

Fairfax Connector bus boardings

The map shows combined northbound and southbound boardings at each location





Multimodal Safety Approach

Localized
Safety
Assessment
\setminus /

Hot Spot

Identification

Crash Profiles

Corridor-wide summary
2018 – 2022 crash data

 Emphasis given to locations with fatal and severe crashes, and pedestrian and bicycle-involved crashes

Hot spot crash attributes

 Hot spot roadway and land use attributes



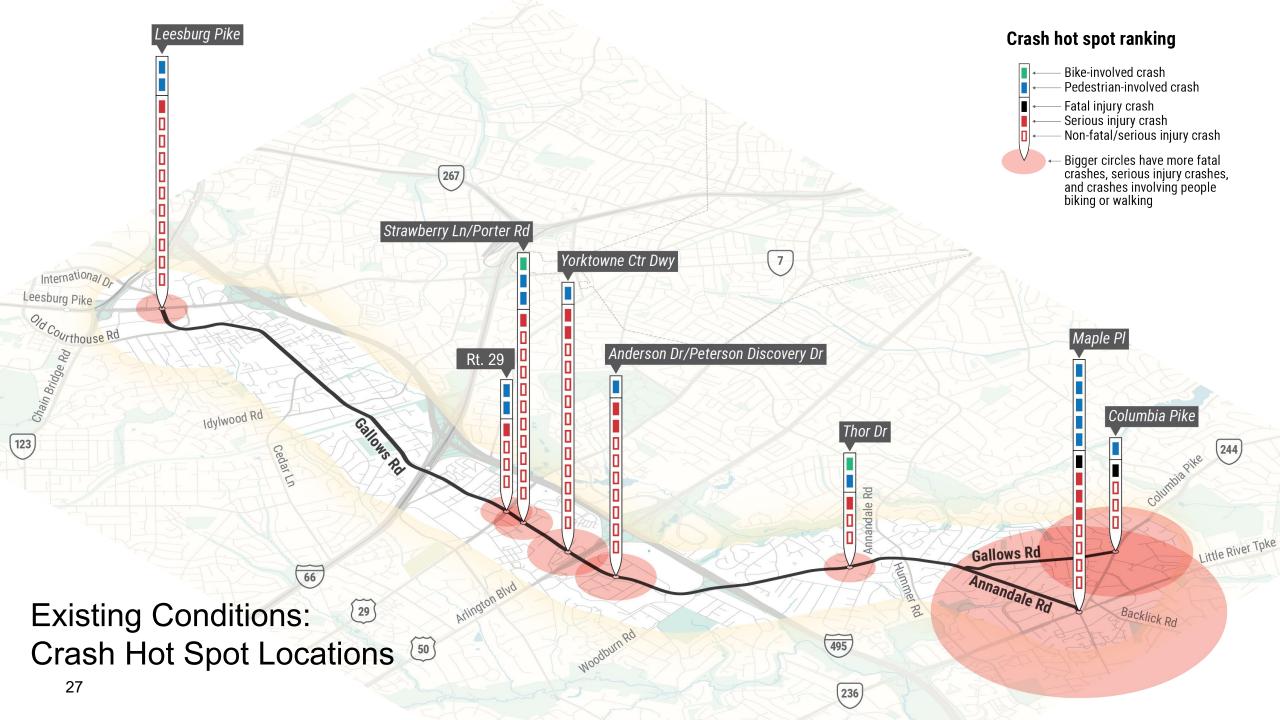
Locations with similar attributes as hot spots but without crash history

Gallows Road Corridor Safety Summary (2018 – 2022 Crash Data)

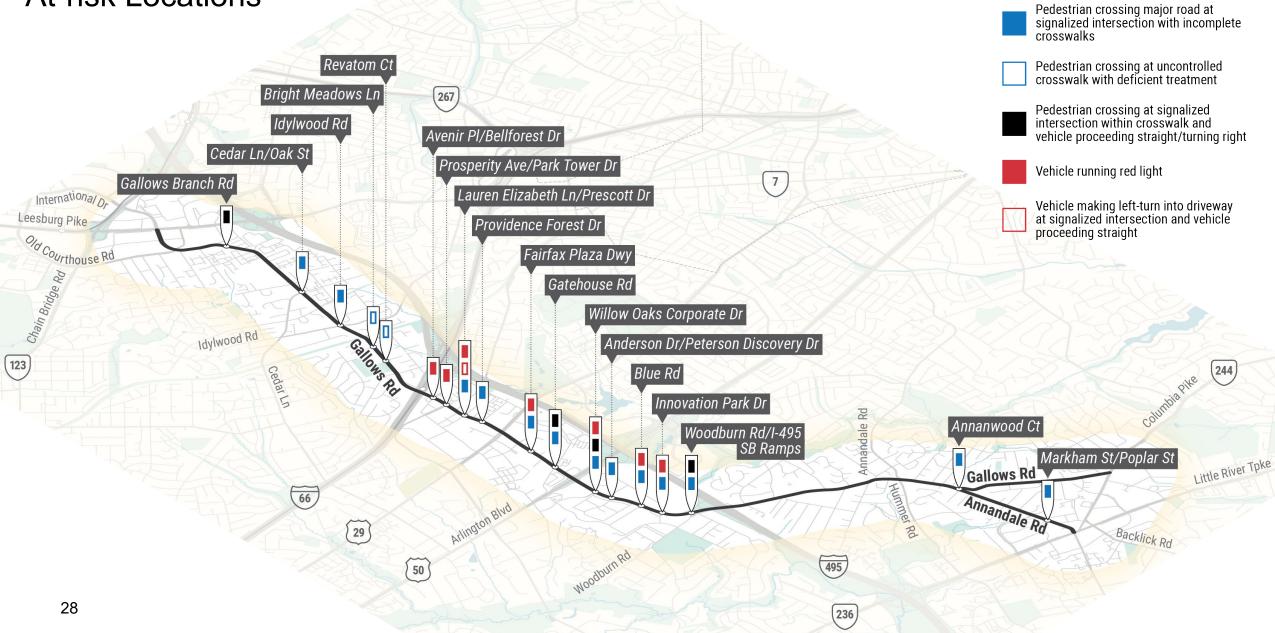
Mode	All Injury Crashes	Fatal and Severe Crashes
Automobile Only	214	10
Bicycle - Involved	7	2
Pedestrian - Involved	28	11
Total	249	23

Multimodal Safety





Existing Conditions: At-risk Locations



Locations potentially at risk for certain types of crashes



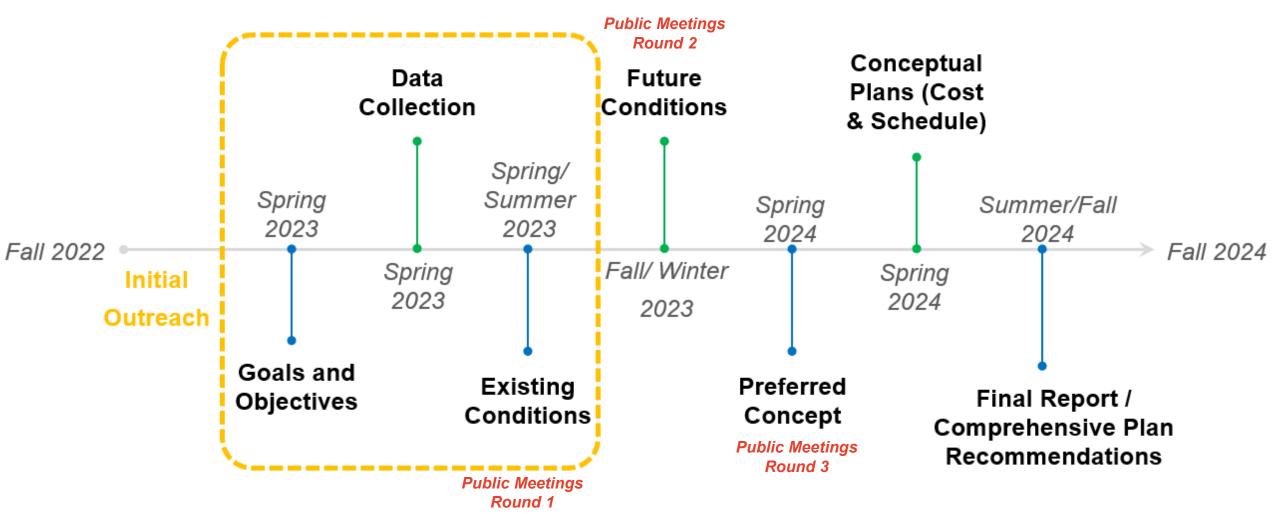
Future Conditions Analysis

- 2045 Analysis
 - -Baseline
 - -Alternatives
 - Active Transportation
 - Transit including BRT
 - Vehicle
- Preferred Concept





Next Steps / Schedule







Questions/Comments

Visit Our Webpage – Please Provide Feedback

Gallows Road Study | Transportation (fairfaxcounty.gov)



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