



County of Fairfax, Virginia

Fairfax County & Franconia-Springfield Parkways

Alternatives Analysis & Long-Term Planning Study

Public Information Meeting #1

October 2018



Agenda

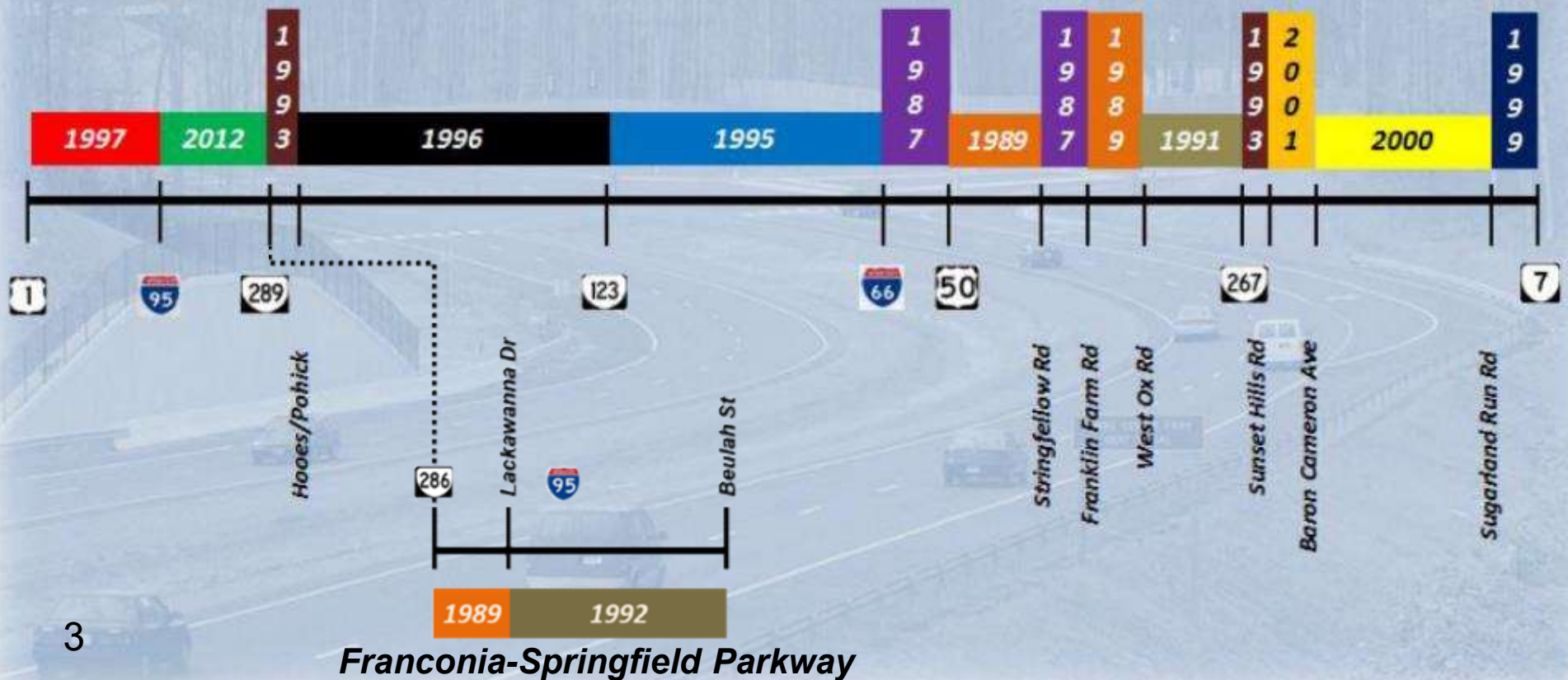
- Introductions
- Corridor History & Background
- Previous Studies
- Funded and Planned Corridor Improvements
- Project Goals and Objectives
- 2040 Comp Plan Traffic Analysis
- Public Input & Activities
- Questions/Comments

FUTURE FAIRFAX COUNTY PARKWAY
ALIGNMENT

Corridor History and Background

- Planning began more than 40 years ago

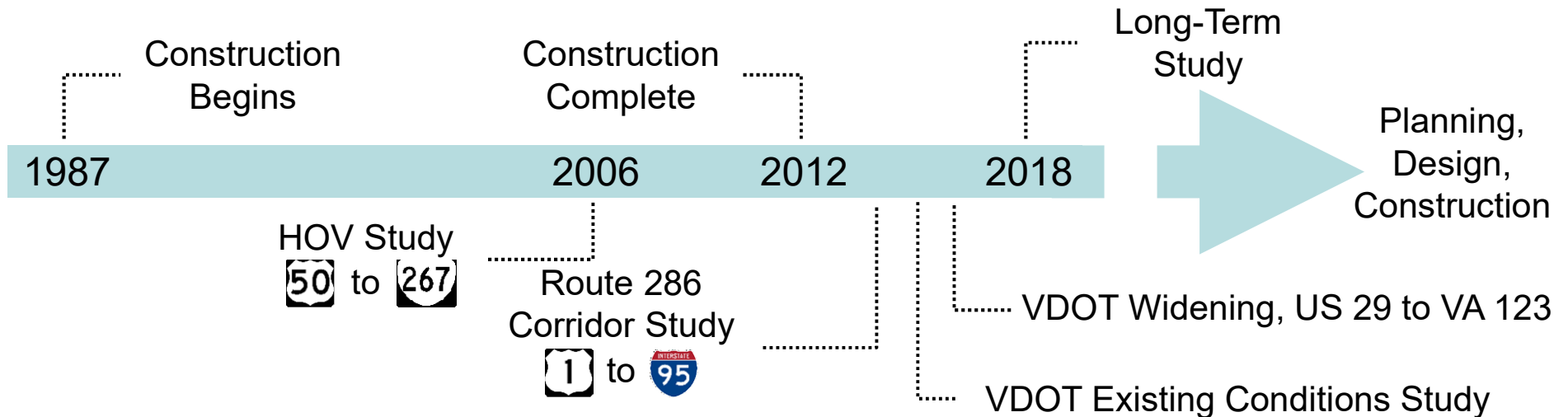
Fairfax County Parkway Year Open to Traffic





Corridor History and Background

- Nearly 25 years to construct
- Several studies of corridor during, and since
- This study intended to update Comprehensive Plan and set the course for improvements over the next 25 years





VDOT Existing Conditions Study (2016)

- Identified operational deficiencies, gaps in non-auto transportation network, and safety issues
- Developed more than 350 short-term recommendations
 - Operational
 - Safety
 - Bicycle/Pedestrian
 - Transit



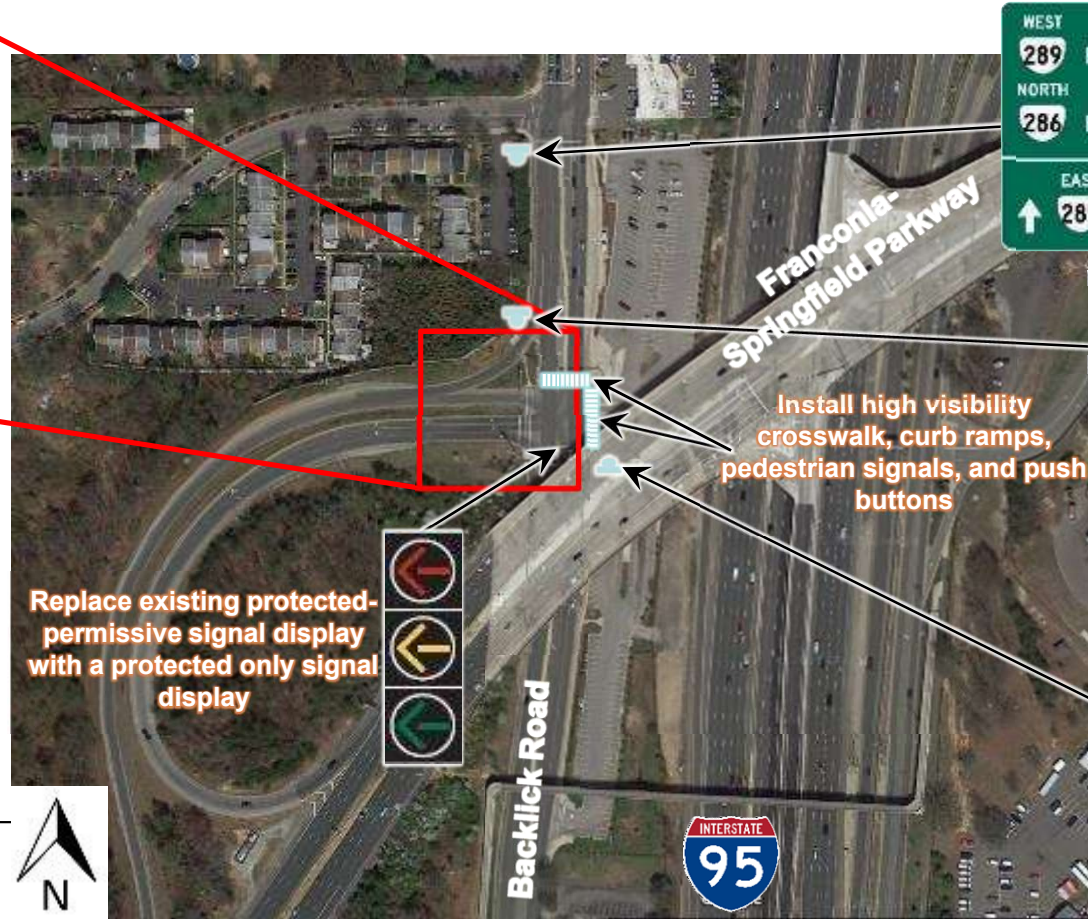
http://www.virginiadot.org/projects/northernvirginia/fairfax_county_franconia-springfield_pkwy.asp



Example Short-Term Improvement: FSP WB Ramps and Backlick Road



- Upgrade curb ramp
- Proposed sign
- Proposed yield bar
- Proposed crosswalk



EAST	WEST	NORTH
289	289	286
↑	→	→

WEST	NORTH
289	286
←	←





Short-Term Improvements Status

- VDOT & FCDOT coordinating on implementation and identification of potential funding sources
- VDOT has completed 49 pedestrian/traffic operations/safety improvements
- FCDOT has commenced work on improvements at Terminal Road, Spring Village Drive/Bonniemill Lane, and Sunrise Valley Drive
- FCDOT prioritizing remaining projects (capital intensive and/or requiring right-of-way) for inclusion in the County's Transportation Priorities Plan (TPP)

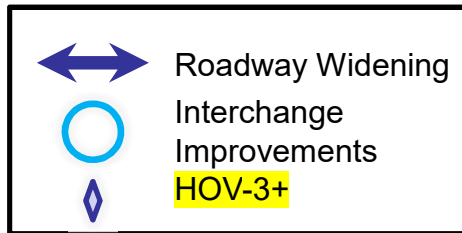


County of Fairfax, Virginia

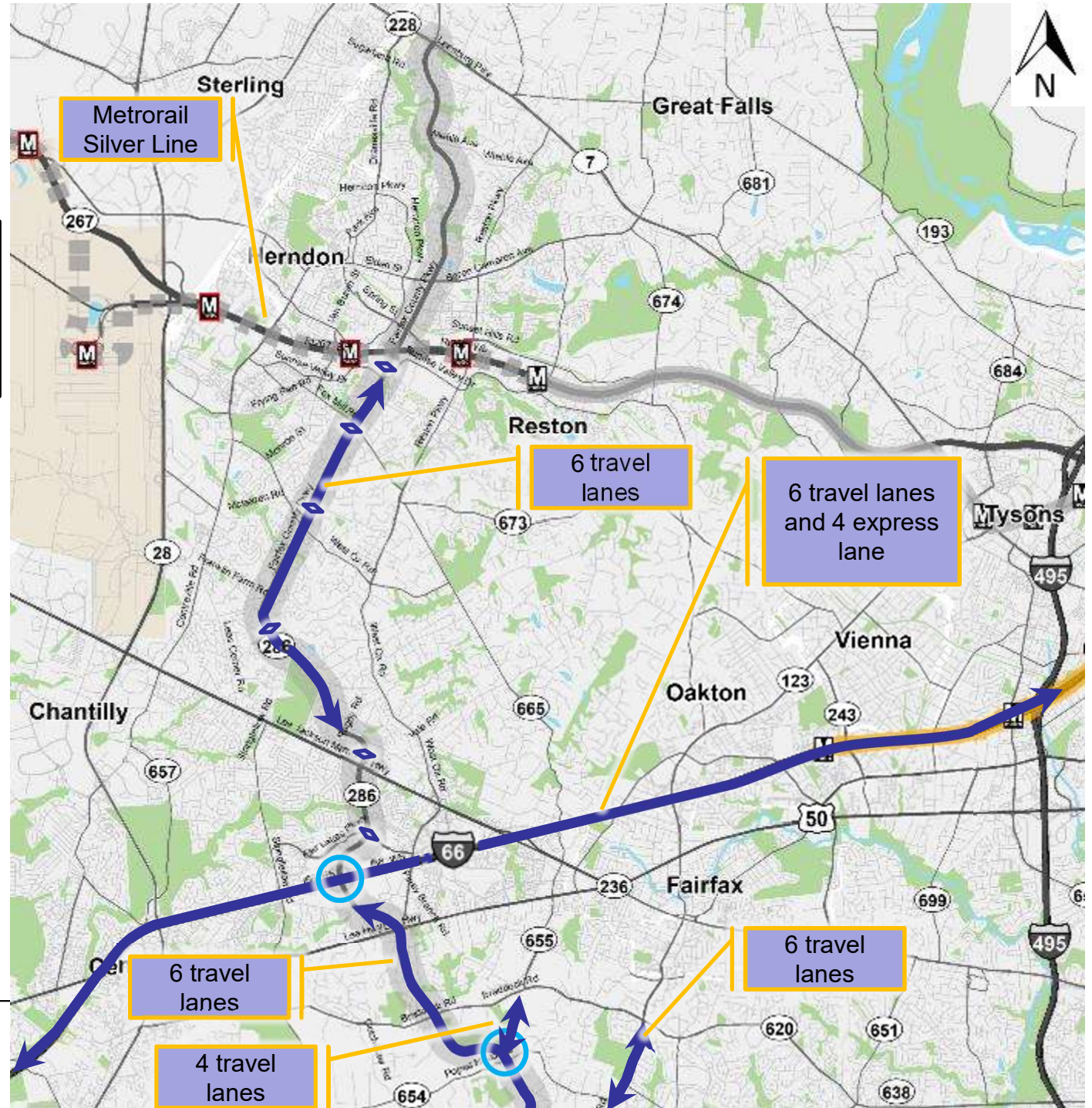
Funded and Planned Corridor Improvements

- 2045 Financially Constrained Long-Range Transportation Plan (CLRP) – Adopted 2016
 - Regionally significant projects **AND**
 - Identified funding plan over 20-30 years
- Fairfax County Comprehensive Plan (CP)
 - State-mandated planning guide
 - Transportation Plan Map
 - Additional improvements beyond CLRP
 - Unconstrained




CLRP







North Corridor



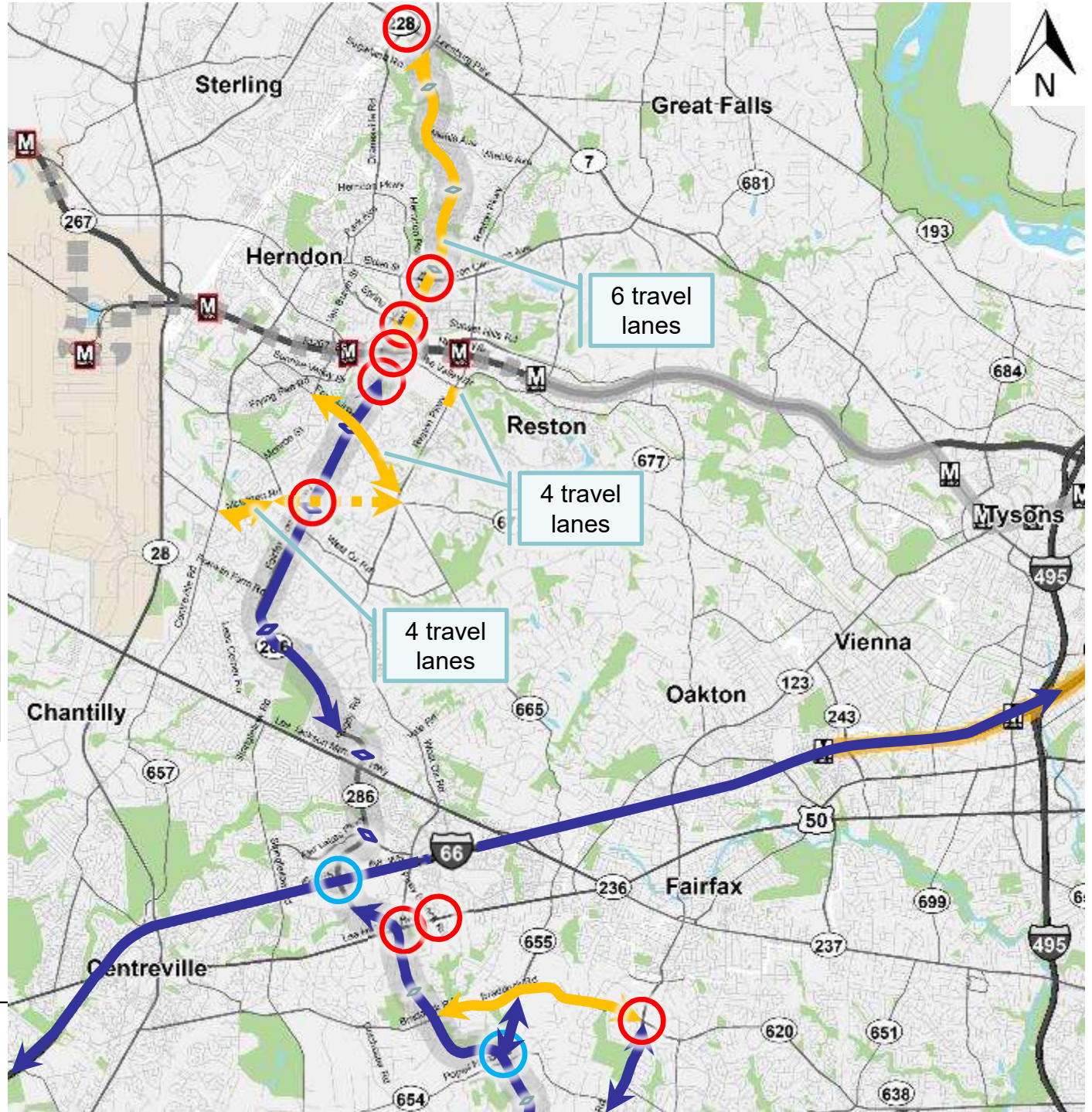
CLRP

-  Roadway Widening
-  Interchange Improvements
-  HOV-3+




CP

-  Roadway Widening
-  New Roadway
-  Interchange Improvements
-  HOV-3+

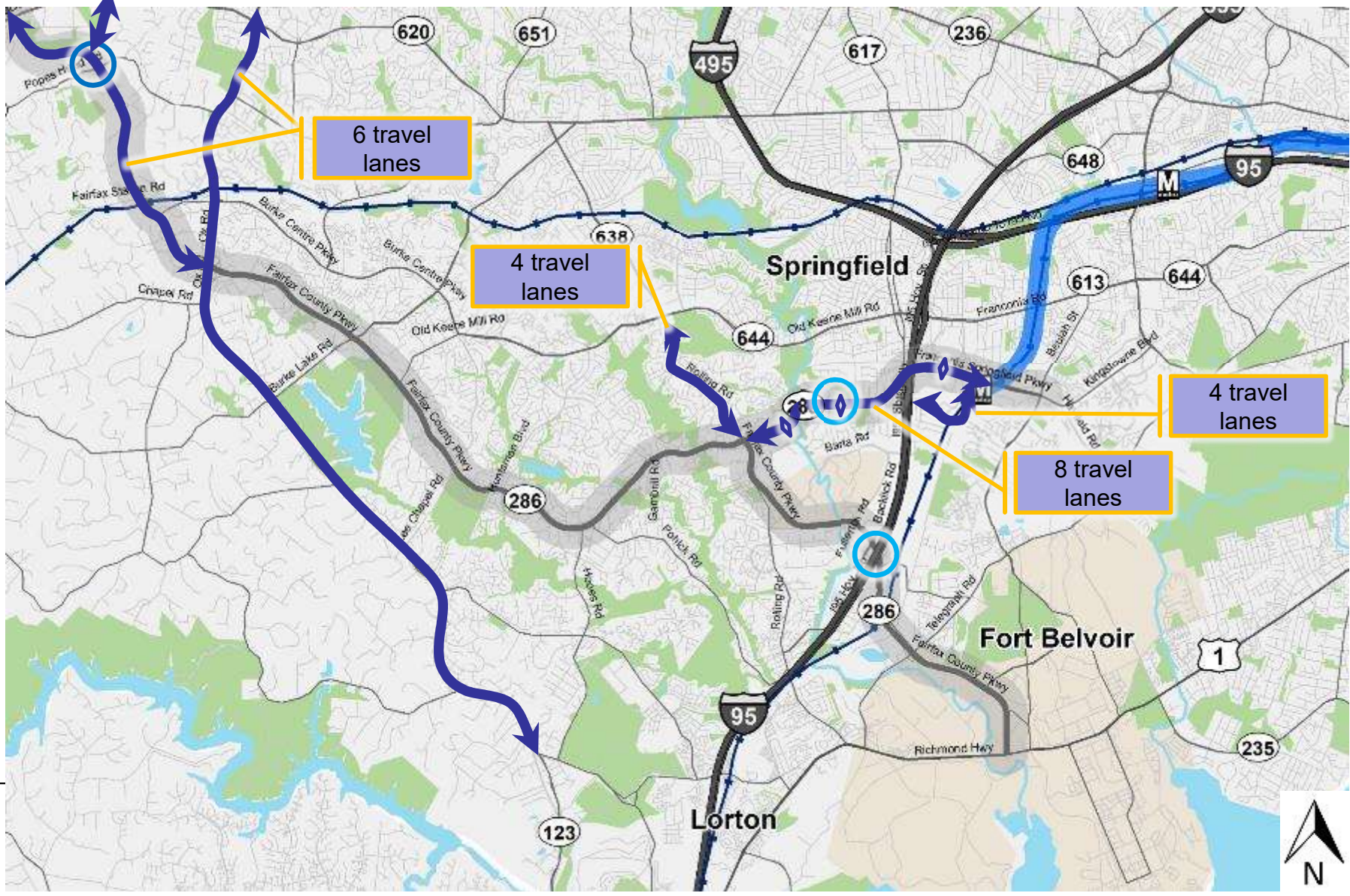
North Corridor



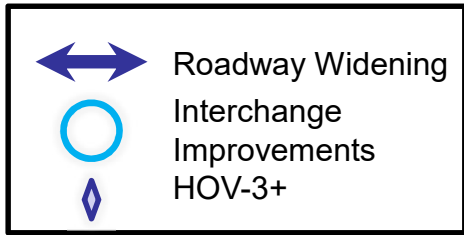
CLRP

-  Roadway Widening
-  Interchange Improvements
-  HOV-3+

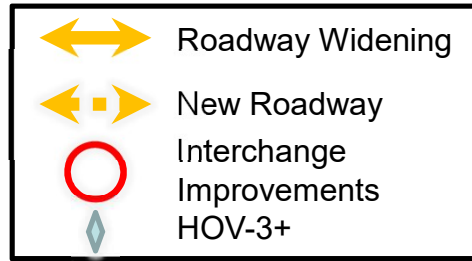
South Corridors



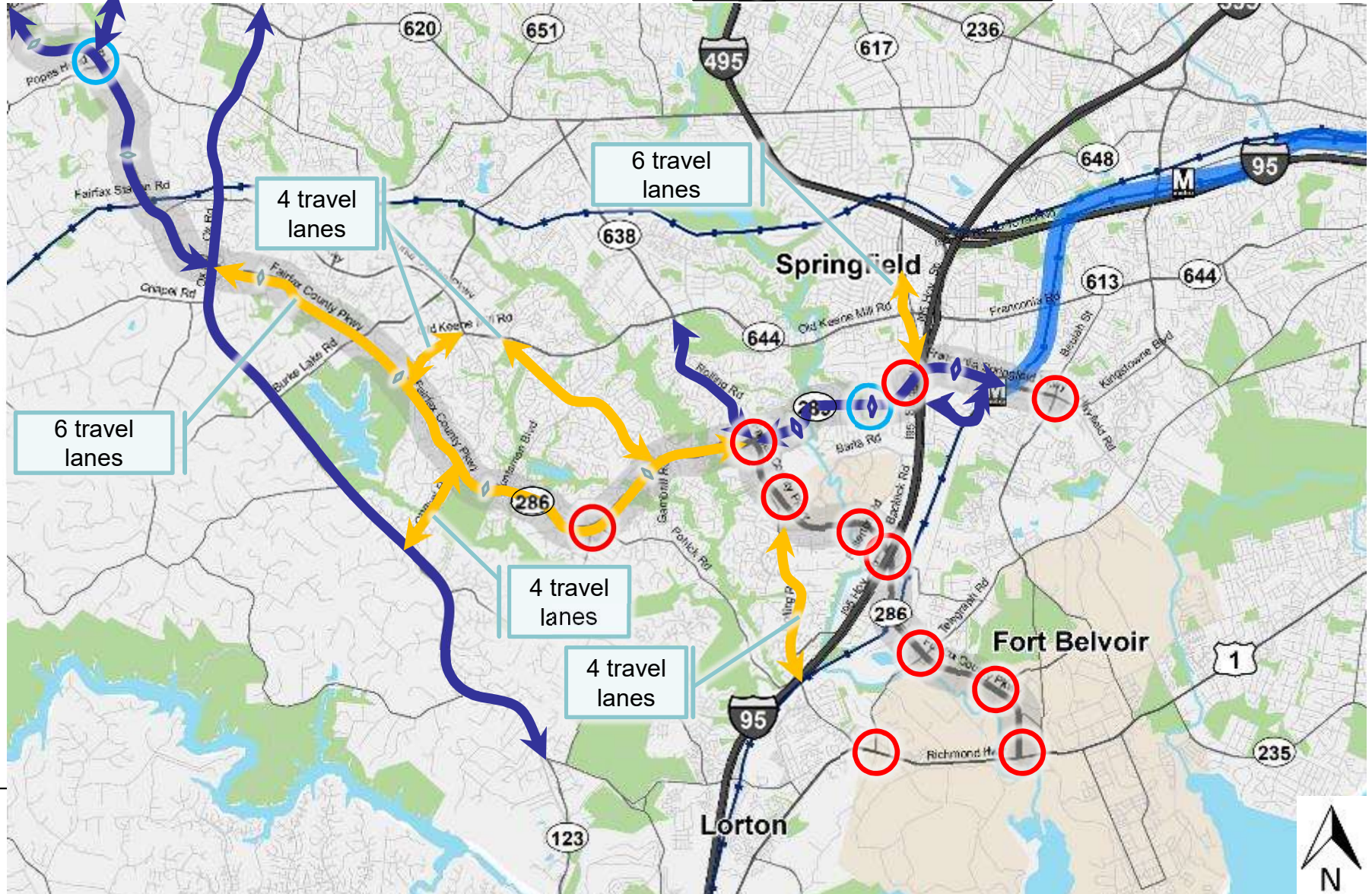
CLRP



CP



South Corridors





Proposed Project Goals

- Used to compare alternatives
- Public input welcome

		Countywide Objectives and Polices <i>(from the Transportation Policy document of the Comprehensive Plan)</i>									
No.	Study Goals <i>(The Parkway will...)</i>	Provide for through and local movement of people and goods	Increase transit and ped/bike modes	Provide adequate local access	Provide a network of sidewalks and trails	Develop cost-effective improvements that minimize negative impacts	Minimize environmental impacts	Ensure safety of all modes	Increase operational efficiency	Link land use with transportation policies	Context sensitivity
1	Efficiently carry people and goods to provide congestion relief	✓	✓			✓			✓		
2	Maximize person throughput	✓	✓								
3	Safely carry people and goods		✓			✓		✓			
4	Connect Fairfax County's communities and neighborhoods			✓	✓					✓	
5	Minimize impacts to the natural and built environments					✓	✓				✓

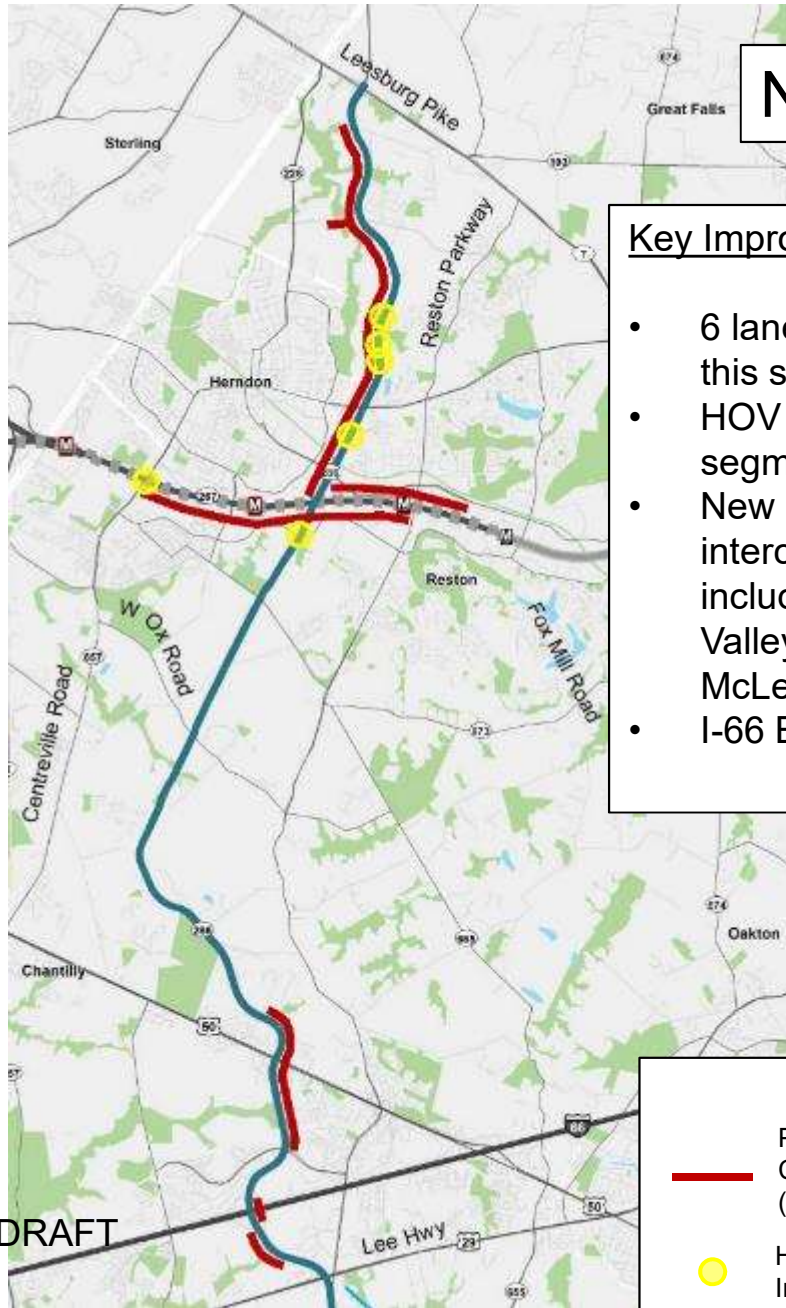


2040 Comp Plan Traffic Analysis

- *VDOT conducted Existing Conditions (2016)*
- Developed 2040 traffic volumes
- Conducted traffic analysis of Weekday AM and PM peak period conditions
- Includes CLRP and CP network improvements
- Reported analysis results:
 - Travel times
 - Average and maximum queues
 - Average delays

CP 2040 AM Peak

CP 2040 PM Peak

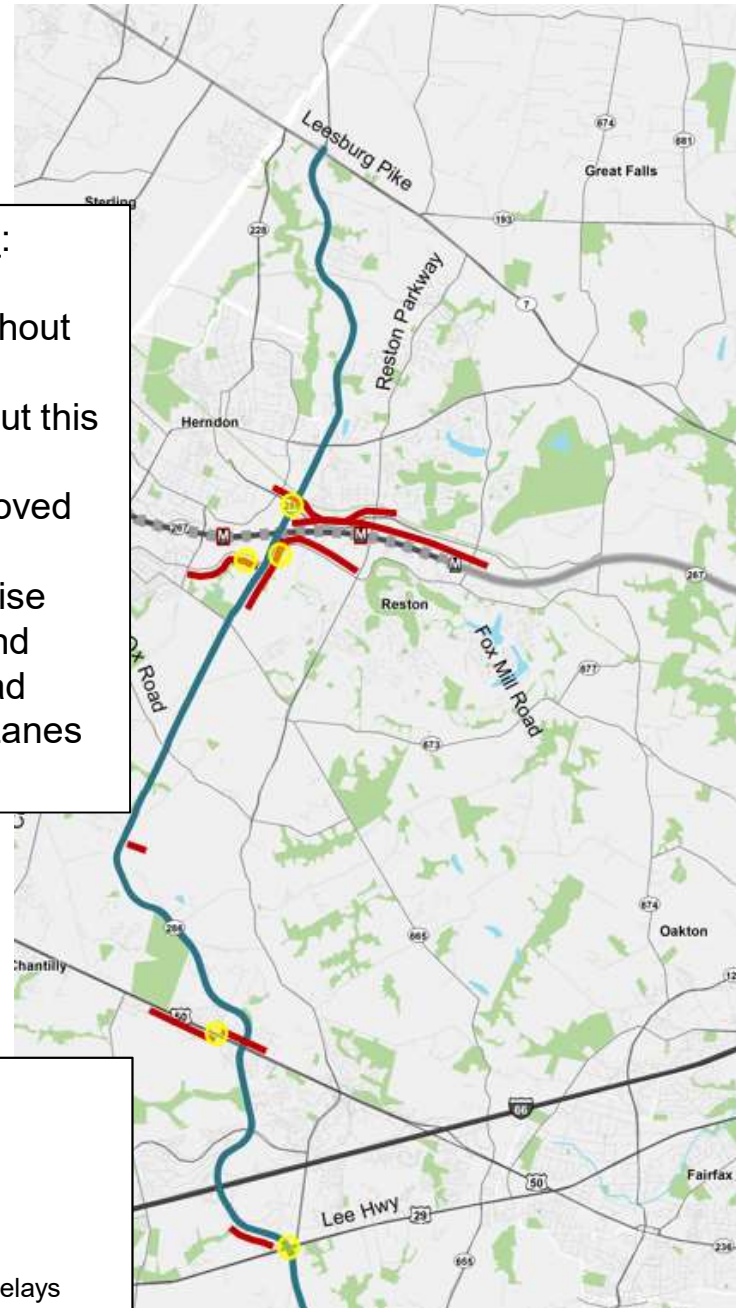


North

- Key Improvements:**
- 6 lanes throughout this segment
 - HOV throughout this segment
 - New and improved interchanges, including Sunrise Valley Drive and McLearen Road
 - I-66 Express Lanes

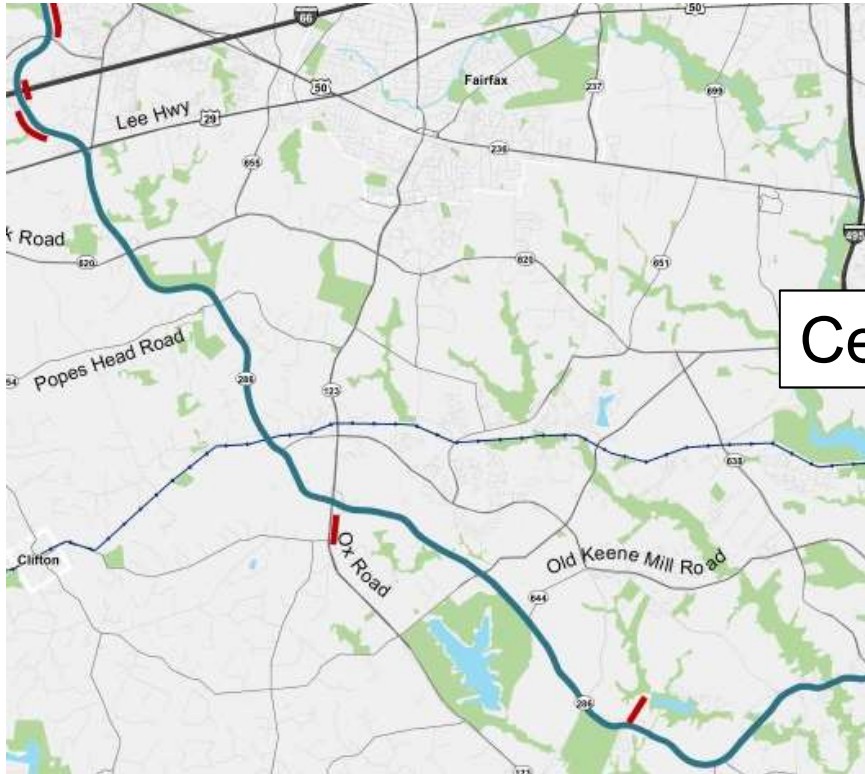
Legend

- Peak Period Congestion (Queuing)
- High Overall Intersection Delays



CP 2040 AM Peak

CP 2040 PM Peak



Central

Key Improvements:

- HOV lanes
- Widening Route 123 to 6 lanes
- New interchanges at Popes Head and Shirley Gate Road

Legend

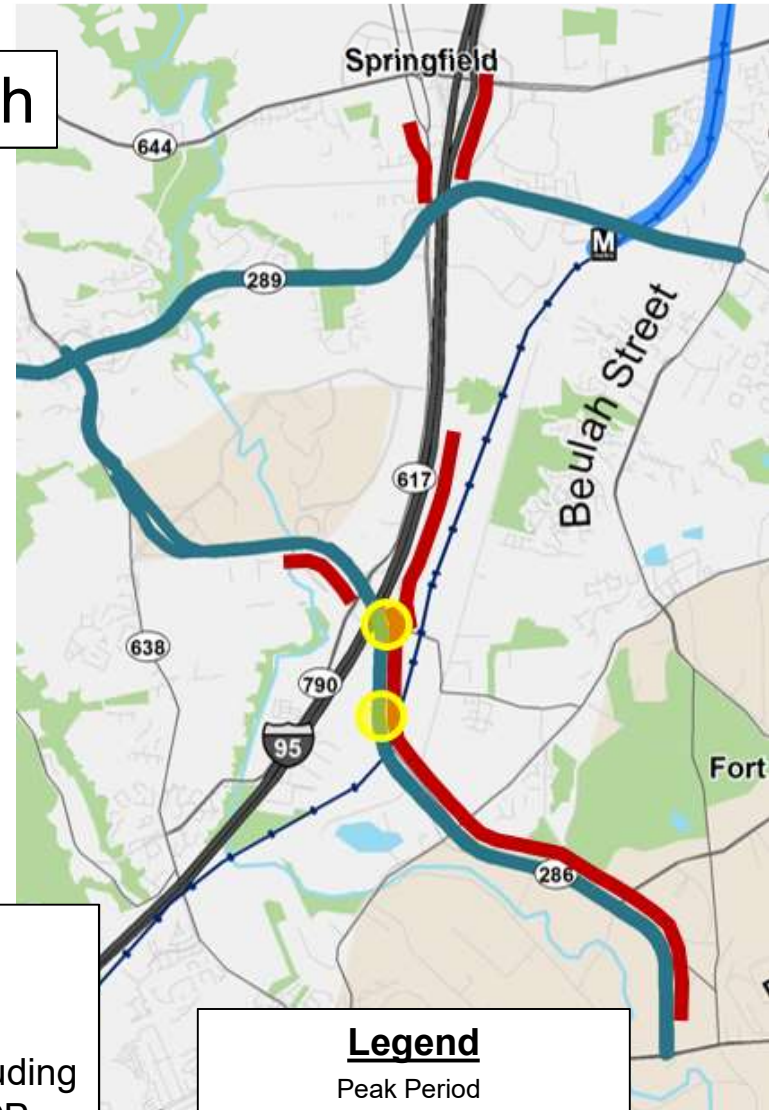
- Peak Period Congestion (Queuing)
- High Overall Intersection Delays

CP 2040 AM Peak

CP 2040 PM Peak



South



Key Improvements:

- FSP HOV lanes (2)
- FSP widening to 8 lanes
- New or improved interchanges, including at FSP with Beulah Street and at FCP with John J. Kingman and FCP with Richmond Highway
- Backlick Road widening to 6 lanes

Legend

- Peak Period Congestion (Queuing)
- High Overall Intersection Delays



Resulting Traffic Operations with Comp Plan Network

- Operations vary, depending on location
- Reduced queuing and delay at locations with new interchanges
- New and improved roadway network and capacity improves circulation
- Some areas of congestion remain



Remaining Operational Challenges with CP Network

- Bottlenecks at the following locations:
 - Dulles Toll Road interchange
 - Rugby Road
 - Huntsman Boulevard
 - Loisdale Road
- Congestion at locations downstream of capacity improvements



High Occupancy Vehicle (HOV3+)

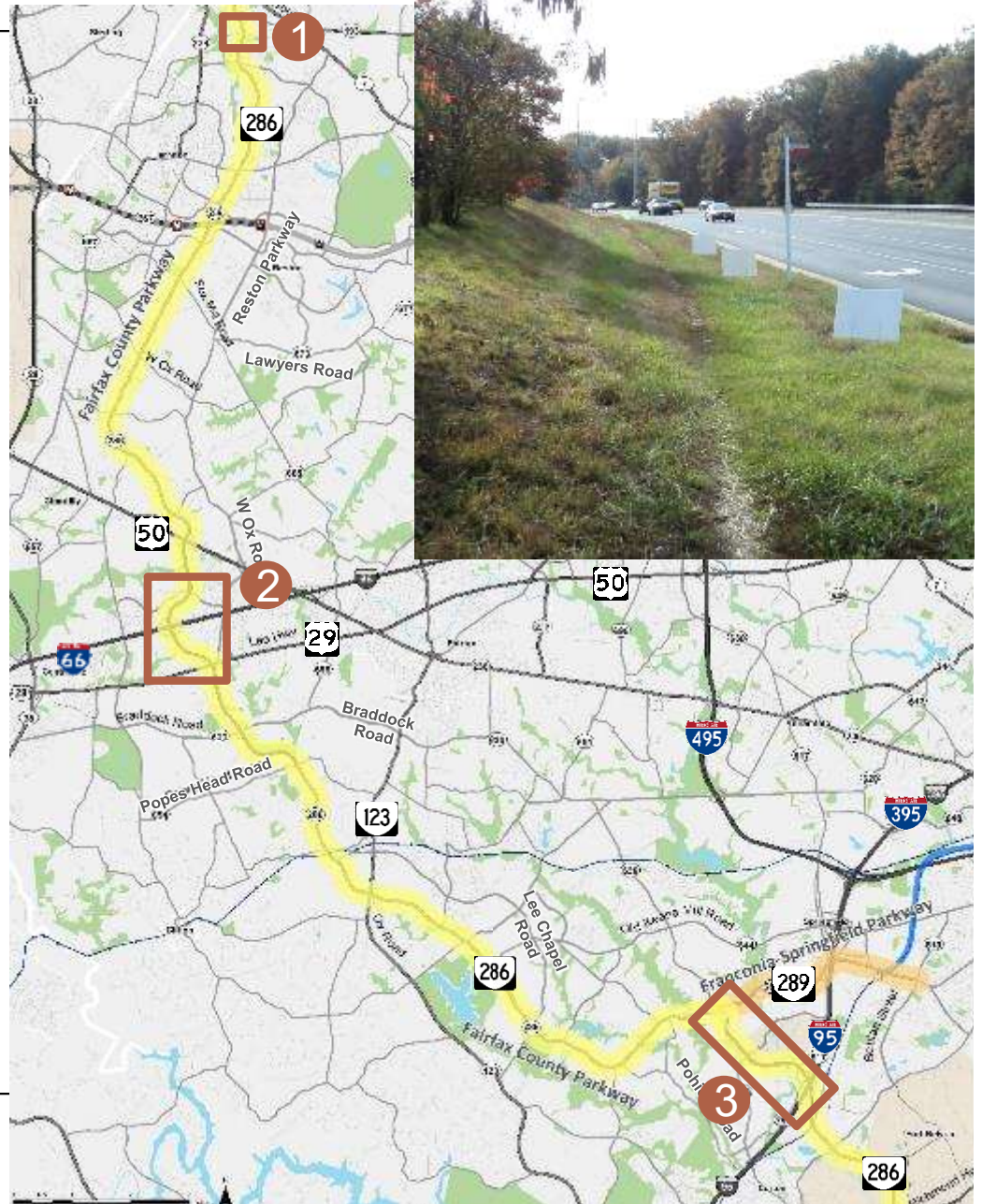
- How best to utilize 5th & 6th Lanes
 - HOV planned for some time in both CLRP & CP
 - The Good:
 - Provides for shorter travel times for HOV3+
 - Allows for better transit performance
 - The Bad:
 - Results show low HOV3+ demand
 - Congestion in non-HOV lanes
 - Public input on options for HOV2+/HOV3+/HOT/Express lanes
-



Missing Bike/Ped Connections

Locations without adjacent shared-use path:

1. FCP: Sugarland Road to Heather Way
2. FCP: Monument Drive to Route 29
3. FCP: FSP to Loisdale Road

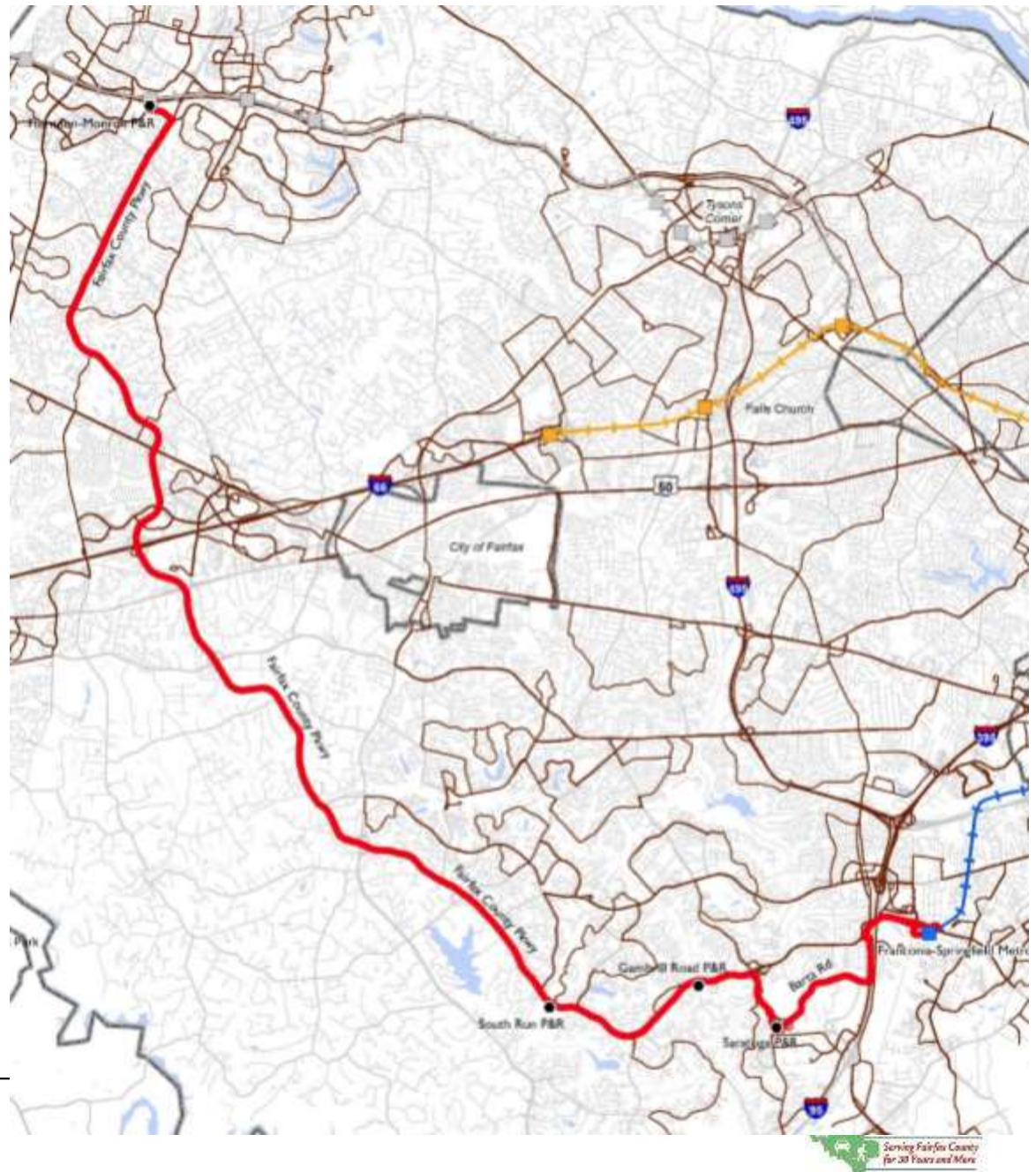




Transit

- **Fairfax County Transit Development Plan 2016-22**
 - Proposed New Cross-County, Limited Stop Route 496
 - Herndon to Franconia-Springfield Metrorail Stations
 - Serve Fort Belvoir North
 - Weekday Service, 6:00 a.m. to 7:30 p.m.
 - Headways 20 min peak, 30 min off-peak
 - Forecasted 344,000 annual boardings
 - To be further evaluated with Silver Line Phase 2
- **Countywide Transit Network Study (2050 Horizon)**
 - Express Bus Service

Proposed Fairfax Connector Route 496





Technology and Shared Mobility

- Communications provide connectivity between modes and vehicles
- Fairfax County is investigating technology, automation, and alternative mobility services



Image Credit: USDOT



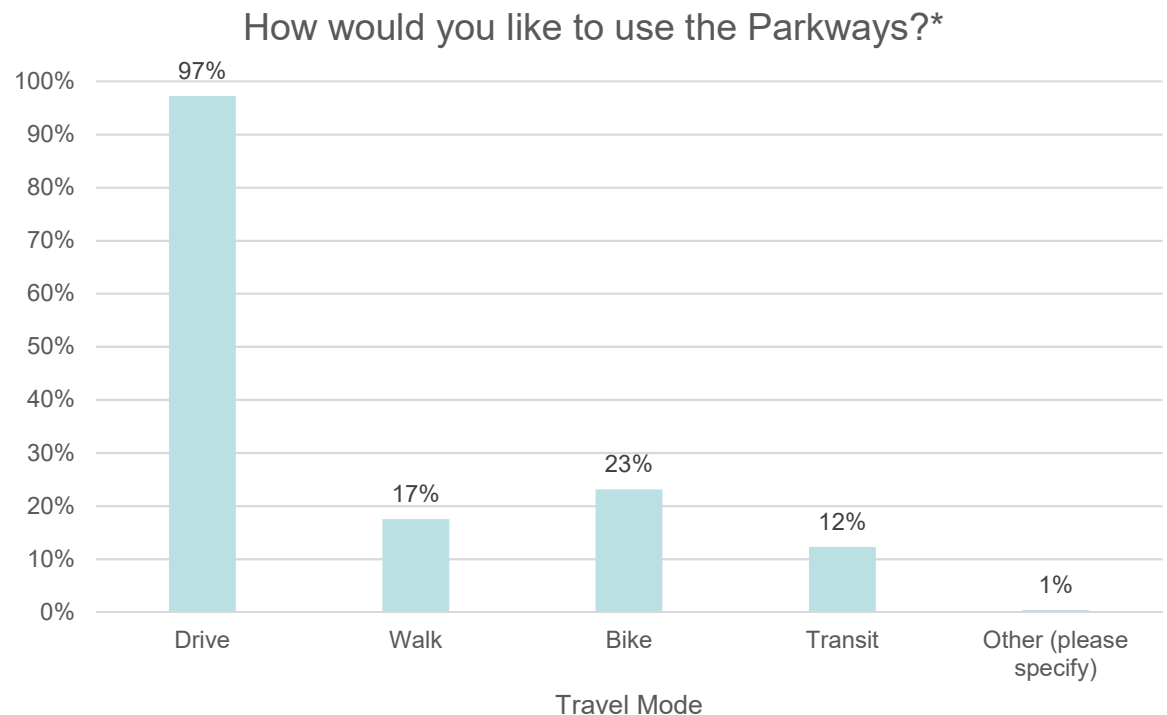
Image Credit: Shared Use Mobility Center



Public Input

November 2016 Survey Feedback

- Online survey conducted by FCDOT with more than 3,000 responses
- 8 questions related to existing and future use of the parkways

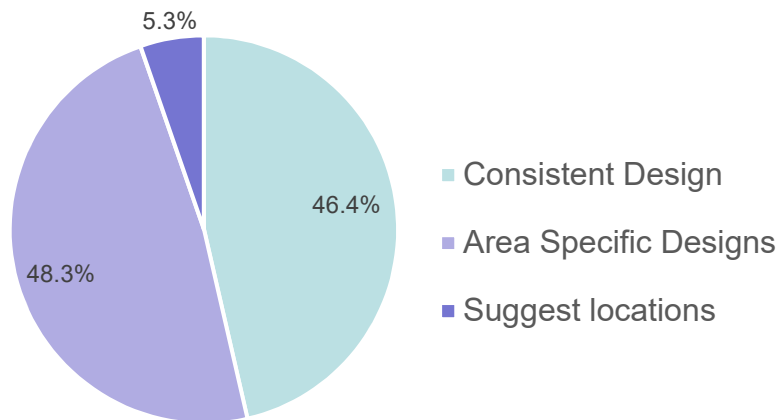


**Respondents were able to select more than one travel mode; thus, the sum of all selections is greater than 100%*

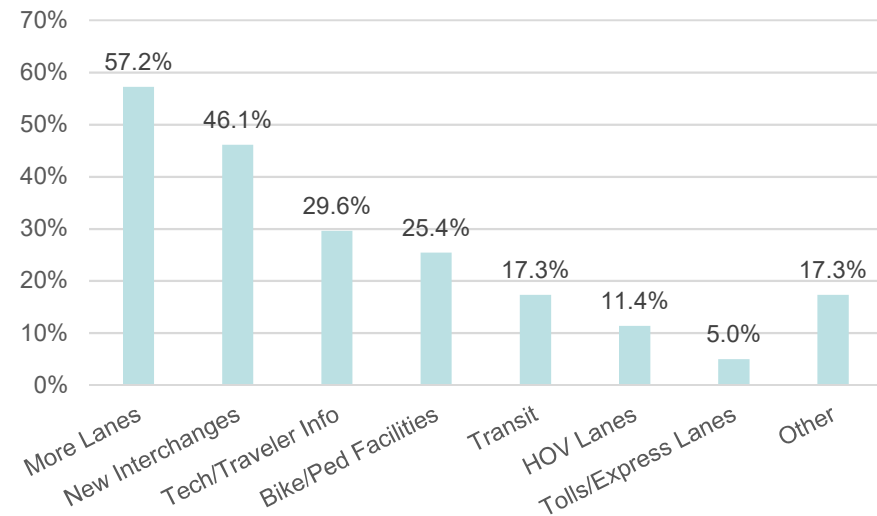


Public Input November 2016 Survey Feedback

Should the Parkways have a consistent design or have area-specific designs?



What strategies would you like to see for meeting future transportation needs?





Public Input Activities

- Building off VDOT's 2016 survey, we have developed public input activities to solicit public feedback on future network options
 - Web based survey at project website, similar to activities (for individuals who couldn't attend meeting)
 - This input will inform the development of alternatives to evaluate
 - Web based survey activities will go live on Tuesday, October 16, 2018 for 30 days
-



Public Input Activities

- Corridor Travel Priorities
 - Dot exercise – Rank each corridor travel strategy
- Neighborhood Connections
 - Map exercise – new multimodal connection needs and desires
- Comprehensive Plan Map
 - What should be added or removed from the Comp Plan?





Next Steps & Schedule

- Gather feedback (Tonight & Online - Oct 16 through Nov 16, 2018)
- Develop, evaluate mitigation alternatives
- Report results, further discuss
(Outreach Winter 2019)
- Refine mitigation alternatives, further evaluate
- Present final results (Outreach Summer 2019)
- Recommendations & Prioritization (Fall 2019)
- Documentation (Winter 2020)



County of Fairfax, Virginia

Questions?

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Project website:

[https://www.fairfaxcounty.gov/transportation/
study/fairfax-county-parkway](https://www.fairfaxcounty.gov/transportation/study/fairfax-county-parkway)