



County of Fairfax, Virginia

Reston Transportation Service District Advisory Board

Spring 2019 Meeting #2

March 25, 2019

Tom Biesiadny and Ray Johnson
Fairfax County Department of Transportation



Agenda

1. Call to Order
2. Introductions
3. Approval of Minutes: February 25, 2019
4. Discussion:
 - Follow-up from February 25, 2019 meeting
 - On-Street Parking Management
 - Order of Intersection Improvements
 - Open Positions
5. Consideration of FY 2020 Service District Rate Recommendation to the Board of Supervisors and Recommendation of Funding for next Intersection Project (Reston Parkway at Baron Cameron Avenue)
6. Public Comment – 10 minutes
7. Discussion of Future Meeting Schedule
8. Adjournment



County of Fairfax, Virginia

On-Street Parking Management

Board Transportation Committee (BTC) Presentation



County of Fairfax, Virginia

On-Street Parking Management

The On-Street Parking Management – Tysons & Reston Grid Streets presentation was given to the Board Transportation Committee on December 11, 2018. The original presentation is available here:

<https://www.slideshare.net/fairfaxcounty/onstreet-parking-management-tysons-and-reston-grid-streets>





On-Street Parking Management Tysons & Reston Grid Streets

Board Transportation Committee

December 11, 2018

Henri Stein McCartney

Transportation Planner III, Traffic Engineering Section
Fairfax County Department of Transportation

Purpose

- In January 2018, the Board approved updates to numerous sections of Fairfax County Code related to pay for parking.
- No pay for parking zones have been implemented in Fairfax County.
- FCDOT would like to study parking management options, including pay for parking, for future public streets in the Tysons and Reston transit station areas, in particular.
- Staff is seeking Board guidance and feedback before such a study begins.

Why Manage Parking?

- Support TDM goals, and encourage transit use.
- Complement the urban character of development by encouraging timely turnover of spaces.
- Enhance the visitor experience with available street parking near street-level businesses.

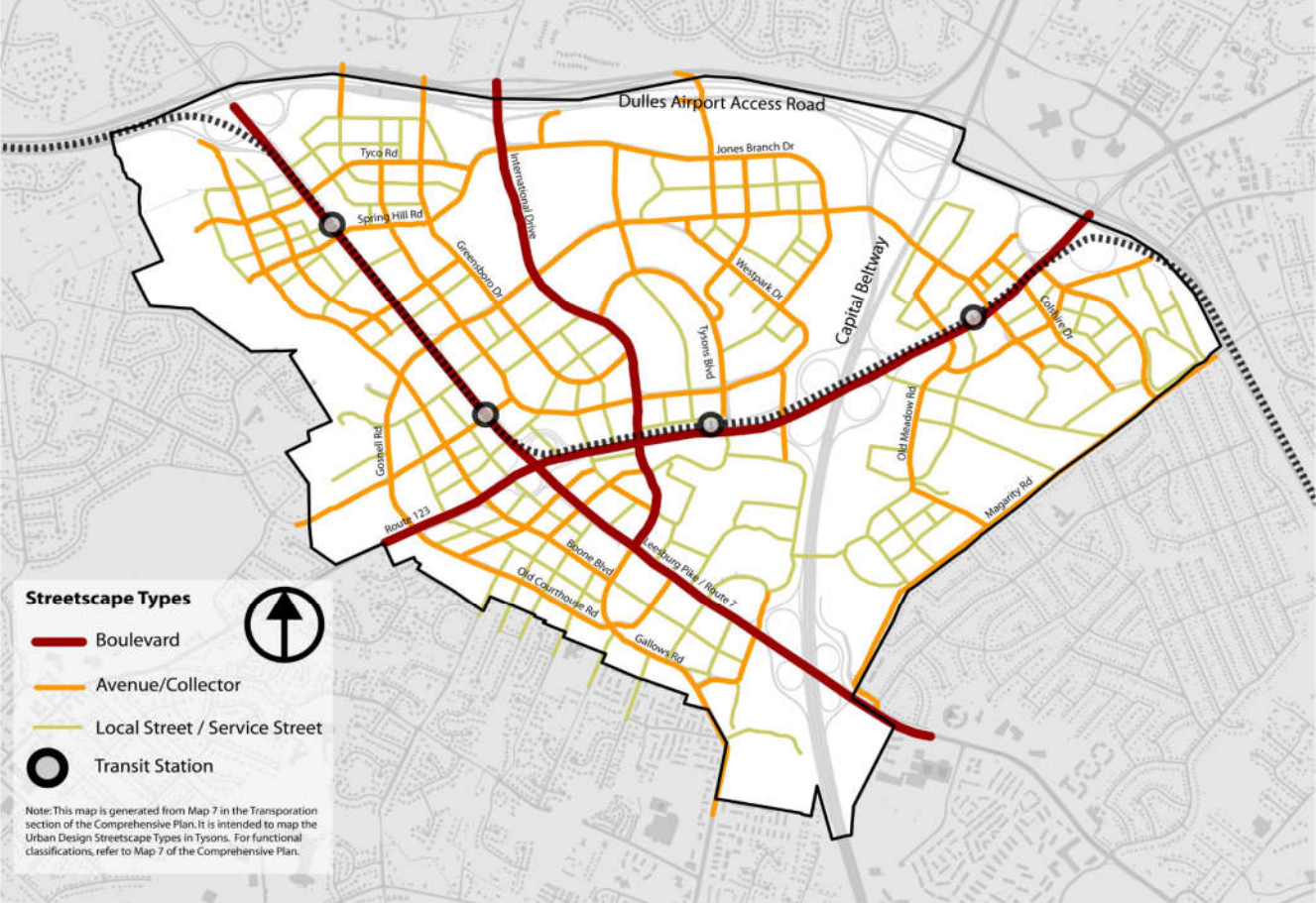
Why Manage Parking?

- Reduce traffic congestion and vehicle emissions created by cars circling the block, looking for available free on-street parking.
- Support street-level businesses by facilitating convenient parking for customers.
- Provide revenue stream, which could be used to support enforcement, future projects, or both.

Background - Tysons

- In 2010, the Board of Supervisors approved changes to the Comprehensive Plan that call for a grid of streets in Tysons.
- In 2012, the Board endorsed *Tysons Urban Design Guidelines*, which augments the Urban Design recommendations contained in the adopted Tysons Comprehensive Plan.
- *Tysons Urban Design Guidelines* envisions that on-street parking on public streets will be managed either by timed parking restrictions or pay for parking elements, such as meters.
- Streets under construction as part of The Boro development may be accepted by VDOT as public streets as early as 2020.

Tyson's Proposed Grid of Streets



Tyson's Comprehensive Plan calls for on-street parking on avenues, collectors, and local streets.

Issue

- Numerous streets in each area are proposed to be public streets with on-street parking.
- Some streets will be located close to Metro stations, multi-family residential, or in commercial zones, and will be attractive for commuter and other long-term parking.
- Managed parking will fulfill the vision of the Comprehensive Plan for each area.



Types of Parking Management



- Pay for Parking

- Single space, conventional meter
- Single space credit card enabled smart meters
- Multi-space “take and display” kiosks
- Pay by Phone parking zone with no meter or kiosk
- Each mode may be complemented by technology, such as space occupancy sensors, and space finding systems.



- Enforcement of paid parking can be assisted by technology features integrated into meters, kiosks, or parking spaces.

Types of Parking Management



- Time restricted parking

- Limited time parking (Ex., 2 hour, 4 hour, 8 hour), with time matched to uses along street
- Restricted parking during certain times of day and night, such as during peak travel times, for street maintenance, or overnight



- Enforcement of timed parking is more challenging and labor intensive than of paid parking. May be assisted by license plate readers, street cameras, and space occupancy sensors.

How Do We Get There?



FCDOT would like to engage the services of a professional parking consultant, whose work plan may include the following:

- Measure existing on-street and off-street parking supply and demand in Tysons and Reston
- Model future parking supply and demand, using information from approved development plans for Tysons and Reston
- Recommend appropriate on-street parking management strategies to the Board
- Recommend a pay for parking implementation plan, and a public engagement/outreach plan to the Board
- Estimated cost of study is \$100,000

How Do We Get There?

If approved by the Board, FCDOT will work with the Office of County Attorney, Police Department, Office of Community Revitalization, Department of Planning and Zoning, Land Development Services, and other stakeholders to:

- Update ordinances, as needed, to reflect program rules, and to set meter rates
- Select vendors for curbside equipment and data management services
- Perform outreach activities to engage business community and the public
- Implement selected strategies where appropriate, as future streets are completed and accepted by VDOT

Proposed Next Steps

- Select consultant to perform parking study, when funding is identified.
- Review current ordinances to determine revisions needed to implement pay for parking.
- Update and consult with the Board as decision points are reached.



County of Fairfax, Virginia

Order of Intersection Improvements

Project Priority



Order of Intersection Improvements

Staff welcomes input on the proposed prioritization of **Intersection Improvements**:

- Fairfax County Parkway at Sunrise Valley Drive (Interim)
- Reston Parkway/ Baron Cameron Avenue
- Reston Parkway/ Sunrise Valley Drive
- Reston Parkway/ DTR WB on/off ramps
- Reston Parkway/ Bluemont Way
- Reston Parkway/ New Dominion Parkway
- Centreville Road at Sunrise Valley Drive
- Centreville Road/ DTR EB on/off ramps
- Wiehle Avenue/ DTR EB on/off ramps
- Hunter Mill Road/ Sunset Hills Road
- Sunset Hills Road Realignment



Order of Intersection Improvements

Existing Level of Service

RNAG ID	Program	Project	Synchro Existing Conditions Analysis Level of Service (LOS)				Status (if Available)
			AM Peak Hour (7AM-8AM)	AM Peak Hour (7AM-8AM)	PM Peak Hour (5PM-6PM)	PM Peak Hour (5PM-6PM)	
			Average Delay (Sec)	LOS	Average Delay (Sec)	LOS	
18	Reston FP	Fairfax County Parkway at Sunrise Valley Drive (Interim)	55.9	E	62.8	E	Design is underway. Added FY 2019.
23	Reston FP	Reston Parkway/ Baron Cameron Avenue	44.6	D	67.4	E	Proposed for design funding in FY 2019.
29	Reston FP	Reston Parkway/ Sunrise Valley Drive	47.1	D	67.6	E	Interim Improvement to be made with Silver Line Project.
29	Silver Line	Reston Parkway and Sunrise Valley Dr (Interim Improvement)	47.1	D	67.6	E	Design Complete.
27	Reston FP	Reston Parkway/ DTR WB on/off ramps	16.1	B	20.4	C	
25	Reston FP	Reston Parkway/ Bluemont Way	32.9	C	38.8	D	
24	Reston FP	Reston Parkway/ New Dominion Parkway	38.3	D	63.5	E	
4	Reston FP	Centreville Road at Sunrise Valley Drive	37.9	D	54.4	D	
3	Reston FP	Centreville Road/ DTR EB on/off ramps	20.9	C	19	B	
37	Reston FP	Wiehle Avenue/ DTR EB on/off ramps	31.8	C	19.9	B	
39	Reston FP	Hunter Mill Road/ Sunset Hills Road	42.3	D	31.2	C	
N/A	Reston FP	Sunset Hills Road Realignment	N/A	N/A	N/A	N/A	Added FY 2019.
N/A	Silver Line	Sunrise Valley Drive and Herndon Station Site/Roark Drive	N/A	N/A	N/A	N/A	Design complete, utility work underway.
N/A	Silver Line	Sunrise Valley Drive and Edmund Halley Drive	N/A	N/A	N/A	N/A	Design complete, utility work underway.

Reston FP = Reston Funding Plan Project



County of Fairfax, Virginia

Open Positions

Reston Transportation Service District Advisory Board



County of Fairfax, Virginia

Consideration of FY 2020 Service District Rate Recommendation to the Board of Supervisors and Recommendation of Funding for next Intersection Project (Reston Parkway at Baron Cameron Avenue)

Service District Rate and Project Funding Recommendation



County of Fairfax, Virginia

Reston Funding Plan Review

Current Funding Plan Improvements:

The funding plan is monitored and reviewed annually to respond to areas of growth and change within the Reston TSAs.

Major Roadway Improvements

\$1.200 billion

Intersection Improvements

\$0.048 billion

Grid of Streets Network

\$1.021 billion

Total Planning Level Project Estimates

\$2.269 billion

*These projects were added to the funding plan in FY 2019.

Projects	Project Estimate	Project Category
Reston Roadway Projects		
Soapstone Road Extension (DTR Overpass)	\$170,000,000	Roadway
Town Center Parkway Extension (DTR Underpass)	\$170,000,000	Roadway
Reston Parkway Widening (South Lakes Drive to DTR)	\$25,000,000	Roadway
Fairfax County Parkway HOV (DTR to West Ox Widening)	\$80,000,000	Roadway
Fairfax County Parkway at Sunrise Valley Dr Interchange	\$400,000,000	Roadway
South Lakes Drive Extension (DTR Overpass)	\$90,000,000	Roadway
Fox Mill Road Widening (Reston Parkway to Monroe Street)	\$60,000,000	Roadway
West Ox Rd Widening (Lawyers Road to Centreville Road)	\$100,000,000	Roadway
Monroe Sreet Widening (West Ox Road to Town of Herndon)	\$80,000,000	Roadway
Pinecrest Road Extension (South Lakes Drive to Sunrise Valley Drive)	\$25,000,000	Roadway
Total Reston Roadway Projects	\$1,200,000,000	Roadway
Reston Intersection Improvements		
Fairfax County Parkway at Sunrise Valley Drive (Interim)*	\$500,000	Intersection
Reston Parkway/ Baron Cameron Avenue*	\$2,500,000	Intersection
Reston Parkway/ Sunrise Valley Drive	\$15,000,000	Intersection
Reston Parkway/ DTR WB on/off ramps	\$5,000,000	Intersection
Reston Parkway/ Bluemont Way	\$4,000,000	Intersection
Reston Parkway/ New Dominion Parkway	\$5,000,000	Intersection
Centreville Road at Sunrise Valley Drive	\$10,000,000	Intersection
Centreville Road/ DTR EB on/off ramps	\$1,500,000	Intersection
Wiehle Avenue/ DTR EB on/off ramps	\$600,000	Intersection
Hunter Mill Road/ Sunset Hills Road	\$3,500,000.00	Intersection
Sunset Hills Road Realignment*	TBD	Intersection
Total Intersection Improvements	\$47,600,000	Intersection
Total Grid of Streets		
	\$1,021,000,000	Grid
Total Intersection + Grid		
	\$1,068,600,000	Intersection + Grid
Grand Total Projects (Roadway + Intersection + Grid)		
	\$2,268,600,000	



Reston Funding Plan Review

Summary of Projects, Revenue Sources, and Allocations

Funding Plan Projects	Revenue Source	Public or Private Source	Amount	Percent of Plan
Major Roadway Improvements	Fed/State/Regional/Local Funds	Public	\$1,201,704,275	53.00%
Grid of Streets	Developer Construction	Private	\$716,000,000	31.60%
Grid of Streets	Reston Road Fund	Private	\$211,000,000	9.30%
Intersections/Grid of Streets	Service District	Private	\$139,895,725	6.10%
Total			\$2,268,600,000	100%



Road Fund and Service District Collections

Source	Fiscal Year	Estimate	Actuals	Estimated Plan Total (40 Years)	% of Plan Amount Received
Road Fund	2017	N/A	\$91,960		
Road Fund	2018	N/A	\$104,812		
Road Fund	2019	N/A	\$121,045		
Total Road Fund Collections			\$317,817	\$211,000,000	0.15%
Service District	2017	\$910,727	\$910,414		
Service District	2018	\$1,984,998	\$1,982,690		
Service District	2019	\$2,193,484	N/A		
Total Service District Collections			\$2,893,104	\$139,895,725	2.07%
Total Received through January 31, 2019			\$3,210,921	\$350,895,725	0.92%
Approved Projects	Fiscal Year	Total Project Estimate	Approved Amount	Funding Source	
Fairfax County Parkway and Sunrise Valley Drive Interim Improvement	2019	\$2,000,000	\$500,000	Service District	
Total Approved Projects			\$500,000		
Balance of Road Fund and Service District Collections			\$2,710,921		



Road Fund Rates and Adjustments

- **County Road Fund rates are adjusted annually by the annual rate of inflation**, as calculated by referring to the Consumer Price Index for all urban consumers (CPI-U), 1982-1984=100 (not seasonally adjusted) as reported by the United States Department of Labor, or Bureau of Labor Statistics.
- Proposed Rate Adjustment is **1.9%** based on the CPI-U increase over the last 12 months for the month ended December 2018.
- New road fund rates were approved by the Board on March 19, 2019 and will be effective on April 1, 2019.

Road Fund Area	Type	Current Rate	Inflationary Increase	Proposed Rate
Fairfax Center	non-residential	\$6.21	x 1.019	\$6.33
	residential	\$1,376	x 1.019	\$1,402
Centreville	non-residential	\$6.67	x 1.019	\$6.80
	residential	\$2,637	x 1.019	\$2,687
Tysons	non-residential	\$4.57	x 1.019	\$4.66
	residential	\$1,014	x 1.019	\$1,033
Tysons-wide	non-residential	\$6.17	x 1.019	\$6.29
	residential	\$1,093	x 1.019	\$1,114
Tysons Grid of Streets	non-residential	\$7.04	x 1.019	\$7.17
	residential	\$1,093	x 1.019	\$1,114
Reston	non-residential	\$9.80	x 1.019	\$9.99
	residential	\$2,142	x 1.019	\$2,183



Service District Rate Recommendation

Fiscal Year	Rate	Revenue Estimate	Actuals
FY 2018	\$0.021	\$910,727	\$910,414
FY 2019	\$0.021	\$1,984,998	\$1,982,690
FY 2020	\$0.021	\$2,193,484	N/A
Total service district revenues received through January 31, 2019			\$2,893,104

- Staff recommends that the Reston Transportation Service District Rate be held at \$0.021 per \$100 of assessed value in FY 2020.
- The FY 2020 Budget will be adopted on May 7, 2019.



Potential Project to Initiate end of FY 2019

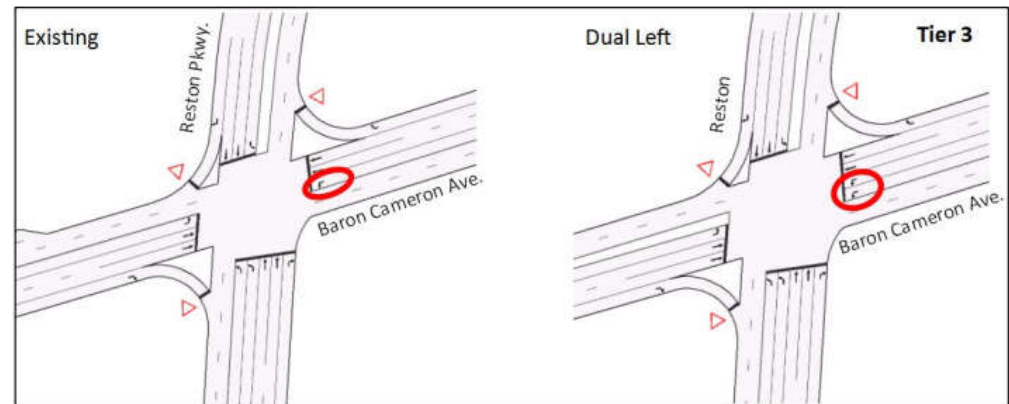
Reston Parkway at Baron Cameron Avenue – Intersection Improvement

Description:

Modify intersection to include a second left turn lane from westbound Baron Cameron Avenue to southbound Reston Parkway to address delays.

Estimate:

- \$500,000 to begin conceptual design/preliminary engineering
- \$2,500,000 total project estimate





County of Fairfax, Virginia

Public Comment – 10 minutes



County of Fairfax, Virginia

Discussion of Future Meeting Schedule

Reston Transportation Service District Advisory Board



County of Fairfax, Virginia

Any other questions/comments?

Next Meeting – Fall 2019 (October)