

COLUMBIA PIKE

WMATA | ARLINGTON | FAIRFAX

SUMMARY FINDINGS | FALL 2017

TRANSIT SERVICES CORRIDOR EVALUATION



AGENDA

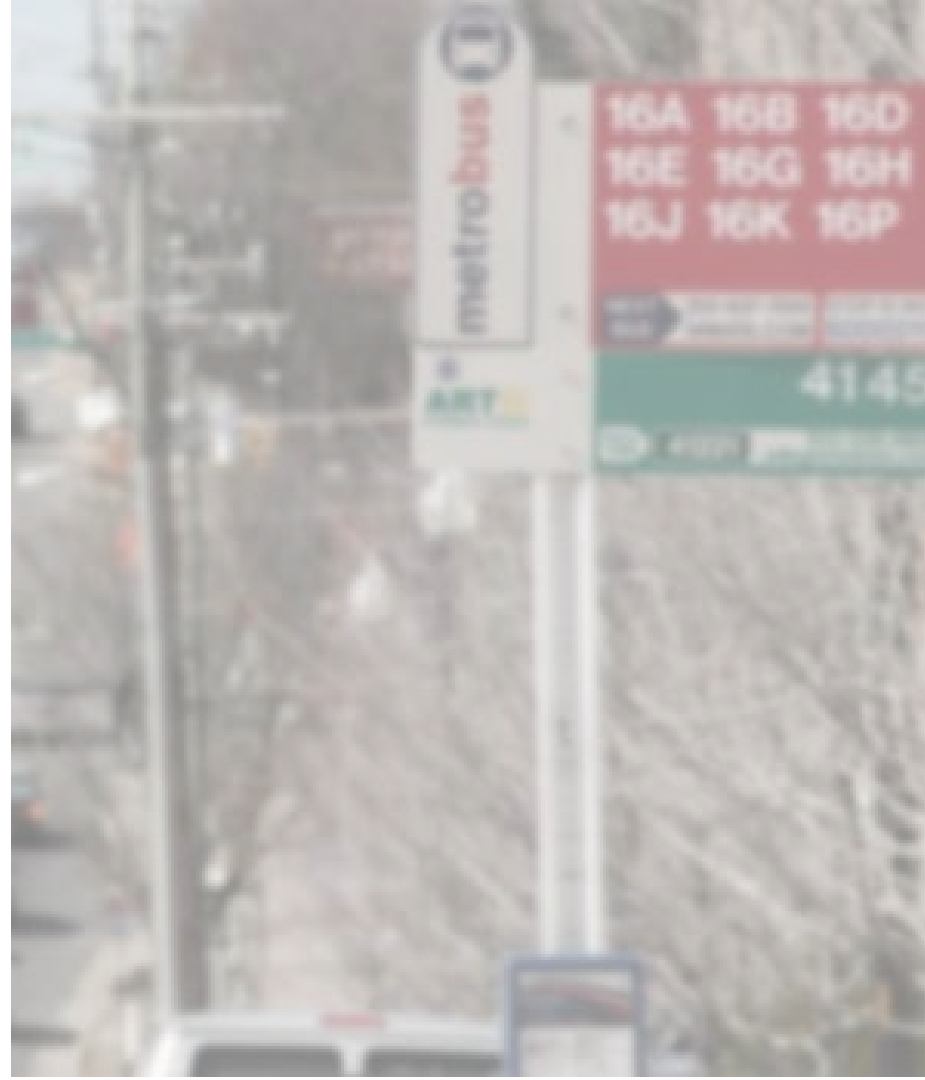
Overview

Service Scenarios

Operations & Management

Outreach

Wrap-Up/Next Steps



GOALS SUMMARY

Common Goals

- Multimodal access for local & regional mobility
- High-Quality Public Transportation
- System Efficiency
- Safety and Security
- Environment, Energy, Health, and Economy



SUMMARY GOALS

WMATA

- Meet current demand & set stage for future growth & productivity
- Ensure Columbia Pike routes meet common guidelines and metrics
- Paired, far-side and near-side bus stops preferred over mid-block stops
- Stop spacing
 - Local Service: 4 to 5 bus stops per mi
 - Enhanced/Ltd Stop: 2 to 3 bus stops per mi
- Stop amenities hierarchy based on ridership



SUMMARY GOALS

Arlington County (TDP 2017-2026)

- Incorporate Columbia Pike in a PTN for 2018, phased through 2021
- High frequency service on both weekdays and weekends
- Clear route pattern structure with a mix of local ART bus routes, limited stop Metrobus routes, and a branded Metrobus service serving all stops on the corridor.
- 1-seat ride from Skyline to Pentagon City and Crystal City
- New direct services to the Navy Yard and the Metrorail Green/Yellow Line



SUMMARY GOALS

Fairfax County (TDP 2016-2022)

- Create new Annandale Circulator, serving neighborhoods along and to the north of Columbia Pike in western Fairfax County.
- Extend Metrobus Route 26 to Braddock transit center via Wakefield Chapel (VA-710)
- Balance through and local movement, provide transportation choices, and reduce SOV use to improve air quality.



CORRIDOR OVERVIEW

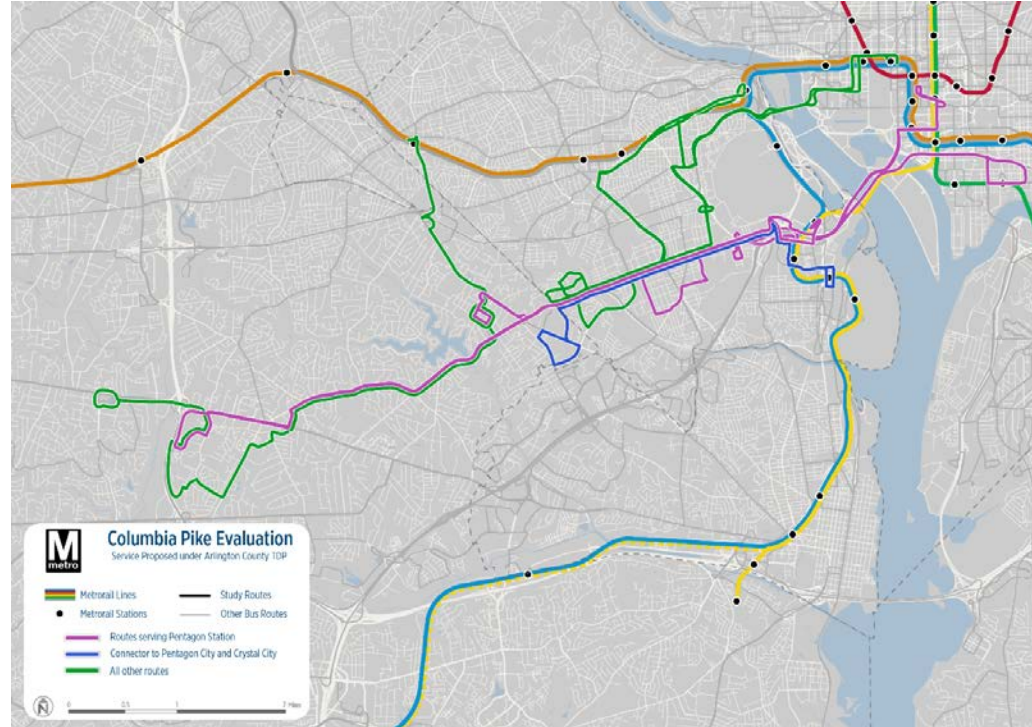
- Most heavily traveled bus corridor in VA
- 17,000 riders
- 15 transit routes
- Growth on the horizon

- Routes diverge on both ends:
 - Eastern Terminals: Pentagon, Pentagon City, District, Rosslyn
 - Western Terminals: Columbia Heights West, Skyline, Culmore, Annandale

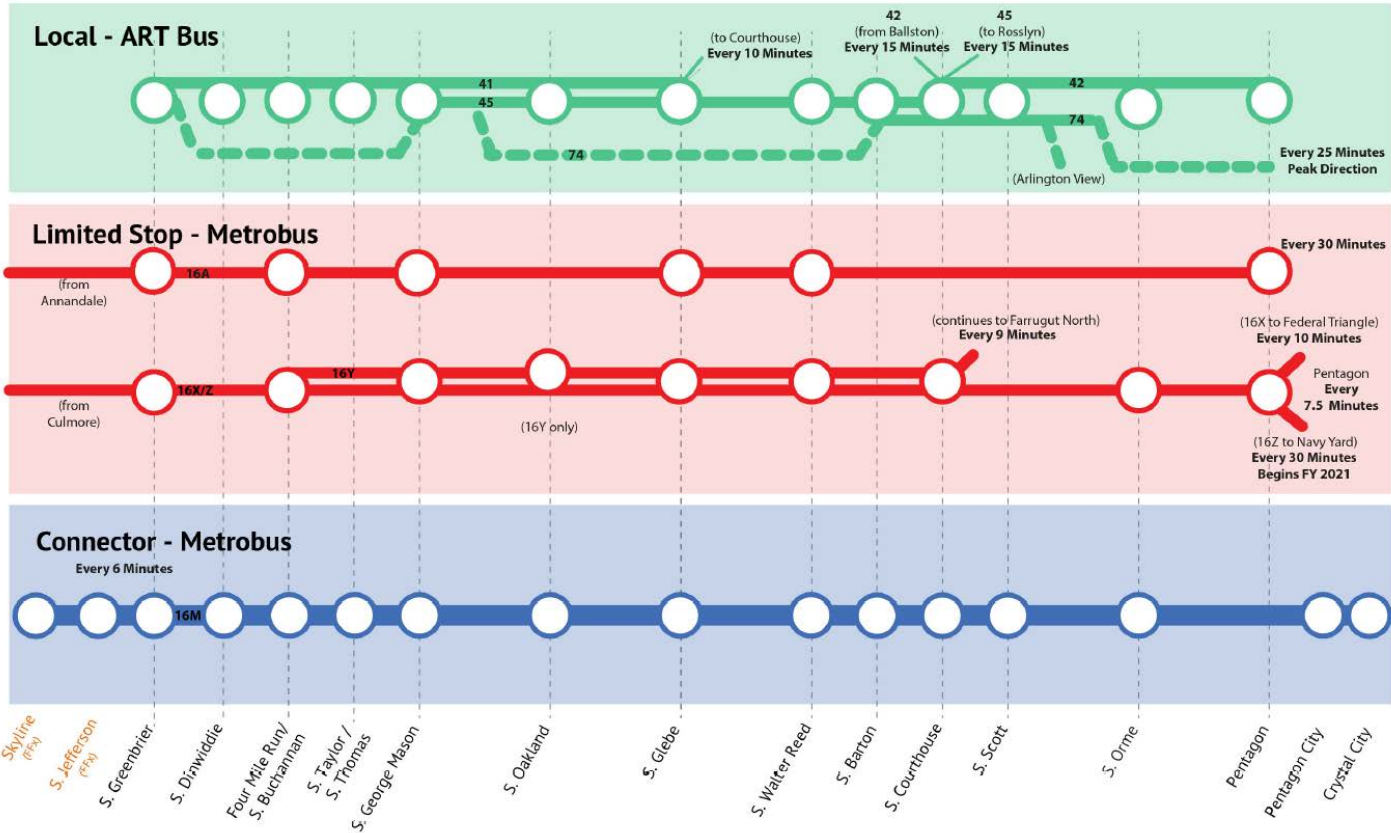


ARLINGTON TDP PROPOSAL

- Three Route Brands
 - Connector
 - Limited Stop
 - ART Local
- Connector becomes primary local service
 - Only service to Pentagon City and Skyline
 - New service to Crystal City
- 16X(/Z) becomes primary limited stop service
 - All trips serve Pentagon
 - Only service to Culmore
 - Future service to Navy Yard

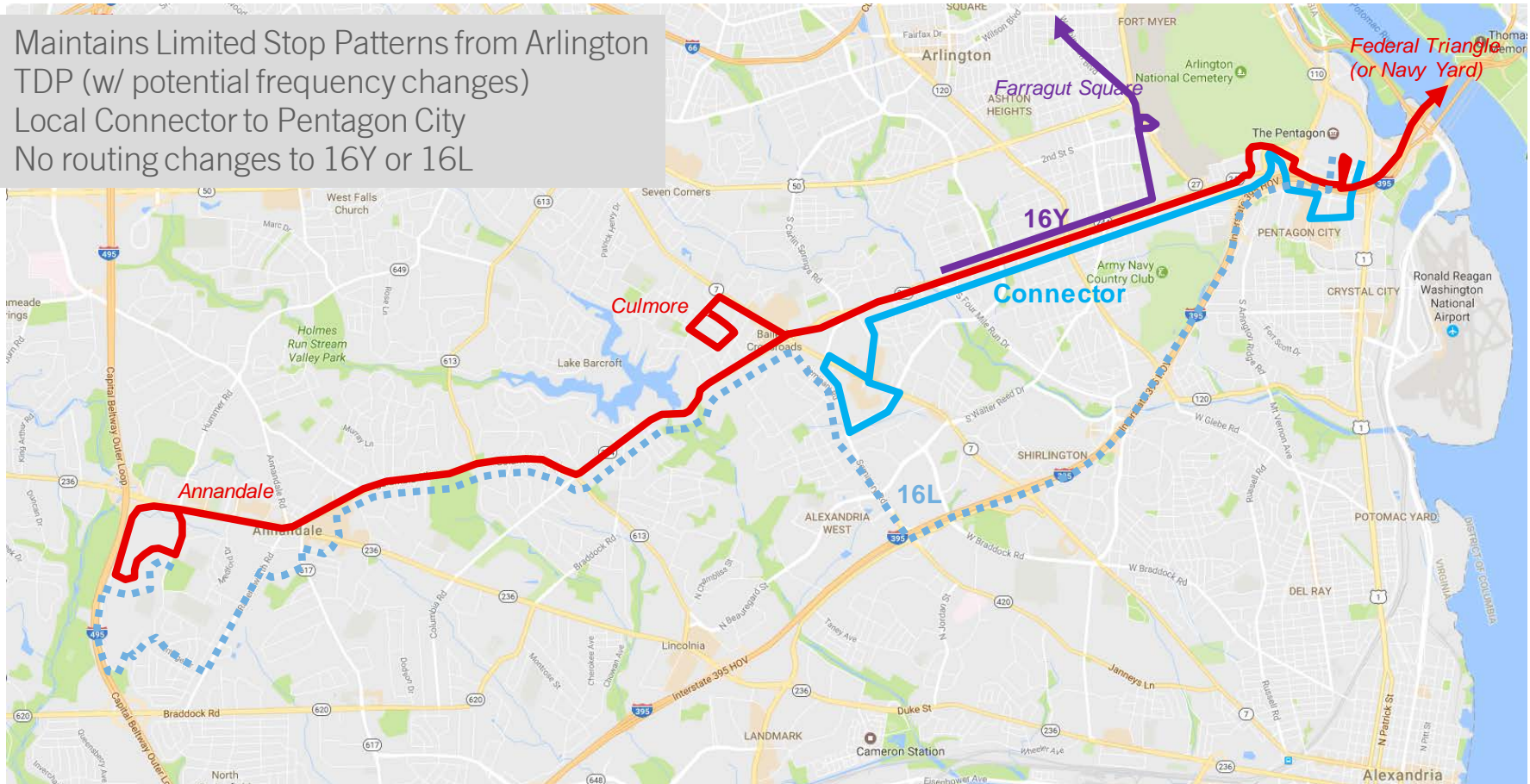


PROPOSED STOP PATTERN – (ARLINGTON TDP)



PROPOSED STOP PATTERN – (ARLINGTON TDP)

- Maintains Limited Stop Patterns from Arlington TDP (w/ potential frequency changes)
- Local Connector to Pentagon City
- No routing changes to 16Y or 16L



KEY SERVICE FINDINGS

- Most riders on WMATA buses are traveling to and/or from stops directly on Columbia Pike
- District-bound service significantly outperforms all other destinations during AM Peak
- High volume of bus-to-rail transfers at Pentagon and Pentagon City
- Notable volume of bus-to-bus transfers along Columbia Pike

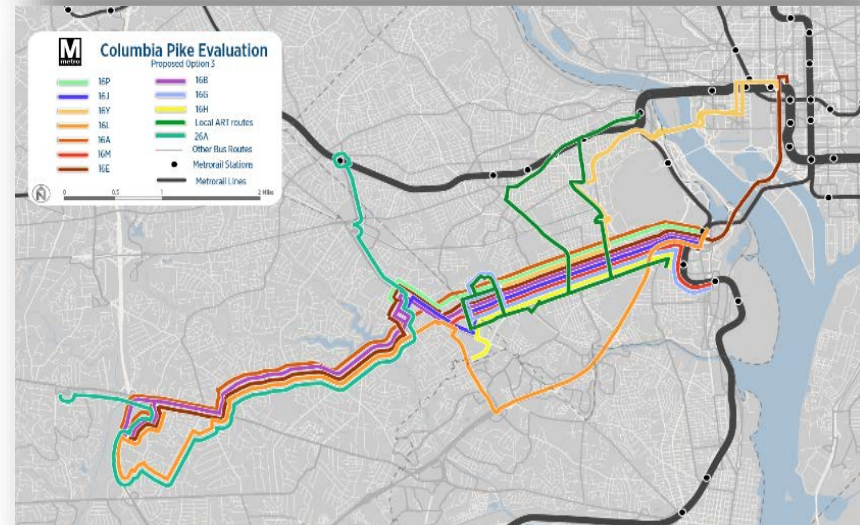
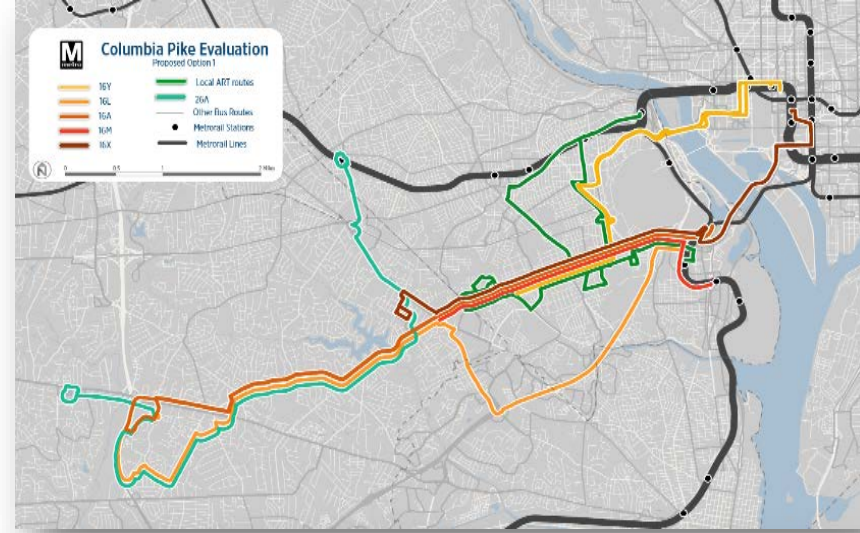
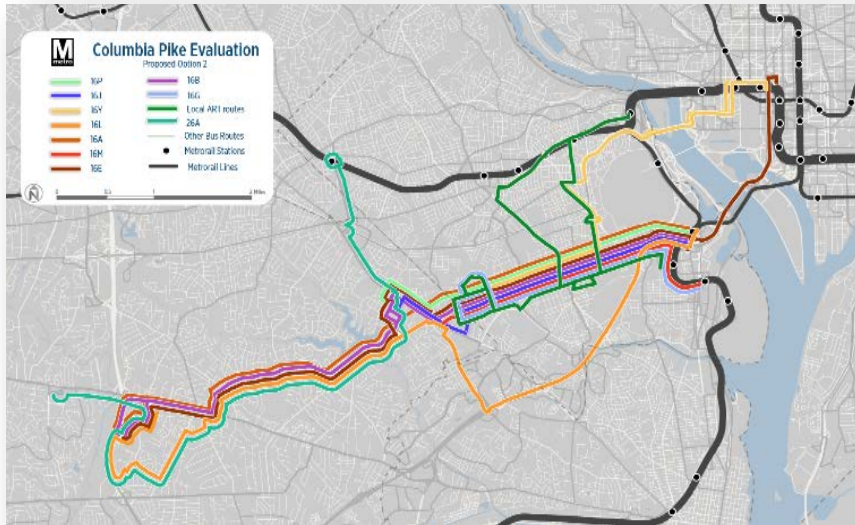
Boardings by Location

Location	% of Overall Weekday Boardings
Primary Eastern Terminals*	31%
Columbia Pike – Arlington County	45%
Columbia Pike – Fairfax County	10%
Columbia Heights West	1%
Skyline area	3%
Culmore area	5%
Other	5%

*Pentagon City, Pentagon, District (WMATA Routes Only)

SERVICE PLAN SCENARIOS

Evaluate options & trade-offs



SERVICE PLAN SCENARIO

By the Numbers

	16A	16B	16E	16G	16H	16J	16K	16L	16M	16P	16X	16Y	Weekday Revenue Hrs	Saturday Revenue Hrs	Sunday Revenue Hrs	Peak Vehicles
Existing	■	■	■	■	■	■	■	■		■	■	■	326	186	101	46
Option 1	■	■						■	■		■	■	487	323	260	55
Option 2	■	■	■	■		■		■	■	■	■	■	371	293	258	42
Option 3	■	■	■	■	■	■		■	■	■	■	■	370	274	239	41-44

SERVICE PLAN SCENARIO

By Termini

	Western Terminals					Eastern Terminals				
	Annandale	Culmore	Columbia Heights W	Skyline	Barcroft	Pentagon	Pentagon City	Crystal City	Franklin Square	Farragut Square
Existing	■	■	■	■	■	■	■	■	■	■
Option 1	■	■	*	■	■	■	■	■	*	■
Option 2	■	■	■	■	■	■	■	■	■	■
Option 3	■	■	■	■	■	■	■	■	■	■

* Covered by local routes or extensions, with improved connections due to service frequency.



Existing

Columbia Pike Line

- 16A, 16B, 16E, 16J, 16P

Columbia Heights West-Pentagon City Line

- 16G, 16H, 16K

Annandale-Skyline City-Pentagon Line

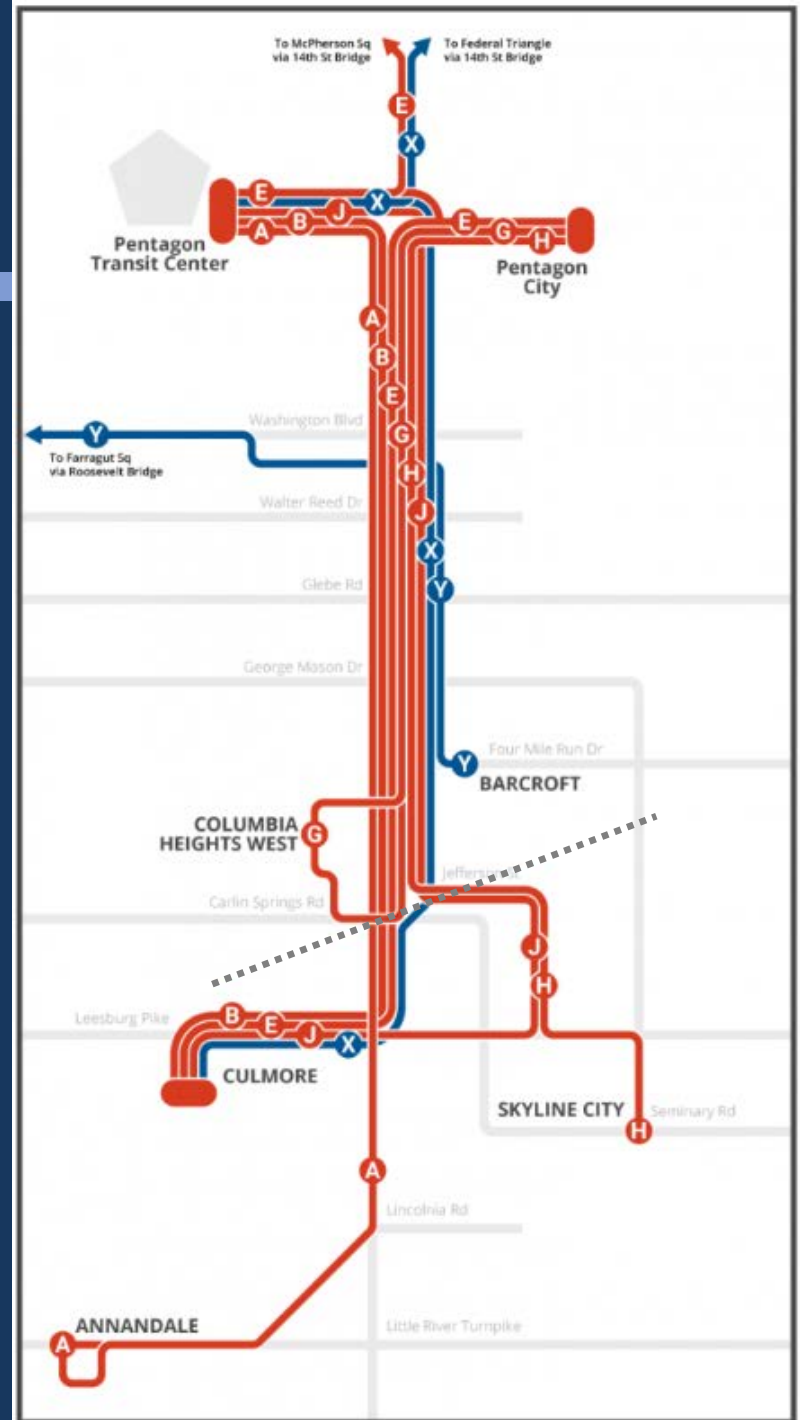
- 16L (no change proposed)

Columbia Pike-Federal Triangle Line

- 16X

Columbia Pike-Farragut Square Line

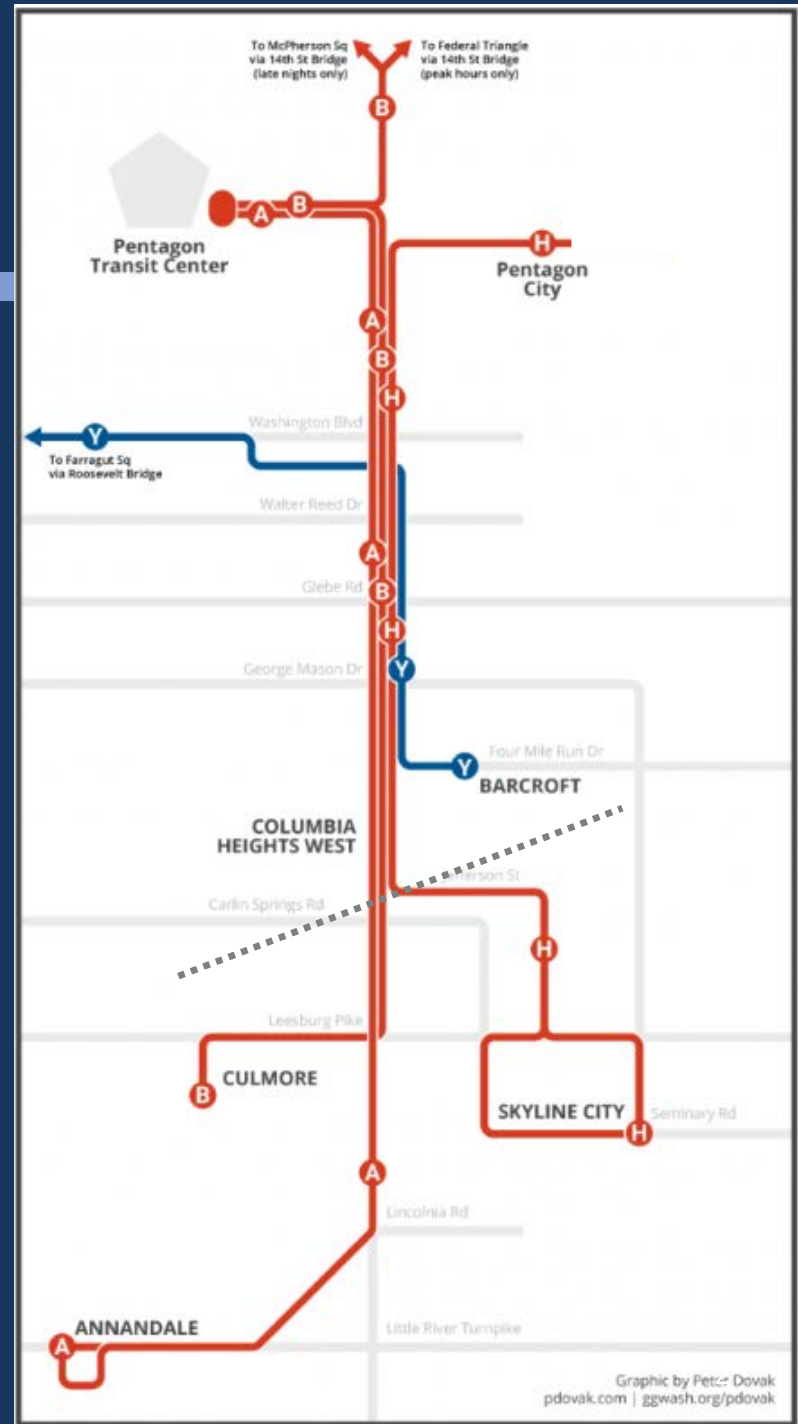
- 16Y (no change proposed)





Revised Option 1

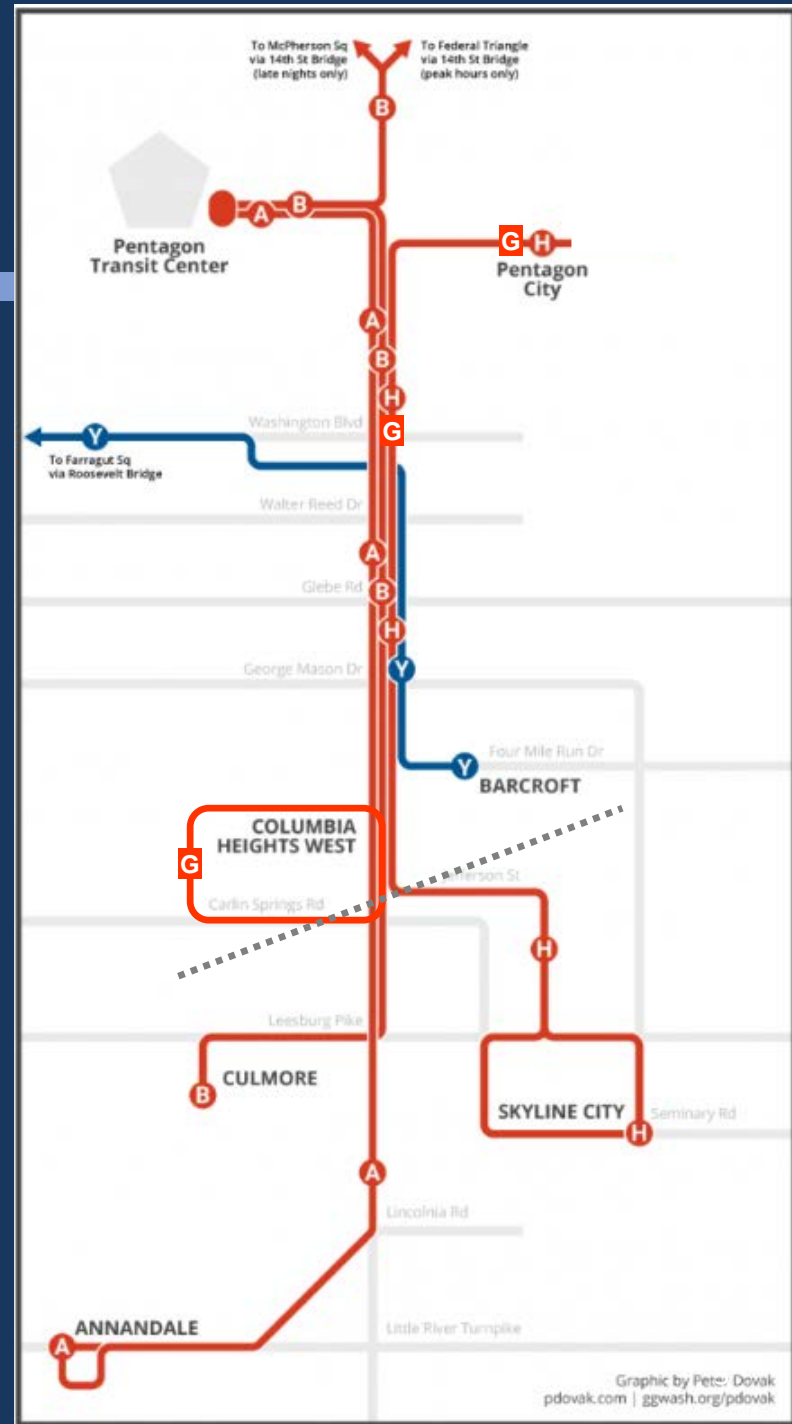
- (A) Annandale-Pentagon
Daily, all day | 30 peak; 60 off-peak
- (B) Culmore-Pentagon (with 16X)
Daily, all day | 10 peak; 30 off-peak
- (H) Skyline City-Pentagon City
Daily, all day | 6 peak; 12 off-peak





Revised Option 2

- (A) Annandale-Pentagon
Daily, all day | 30 peak; 60 off-peak
 - (B) Culmore-Pentagon (with 16X)
Daily, all day | 10 peak; 30 off-peak
 - (G) Columbia Hts West-Pentagon City
Weekday, peak only | 12 peak
 - (H) Skyline City-Pentagon City
Daily, all day | 12 peak; 12 off-peak
- (G) & (H) combined frequency: 6 peak/12 off peak between Jefferson St and Pentagon City*

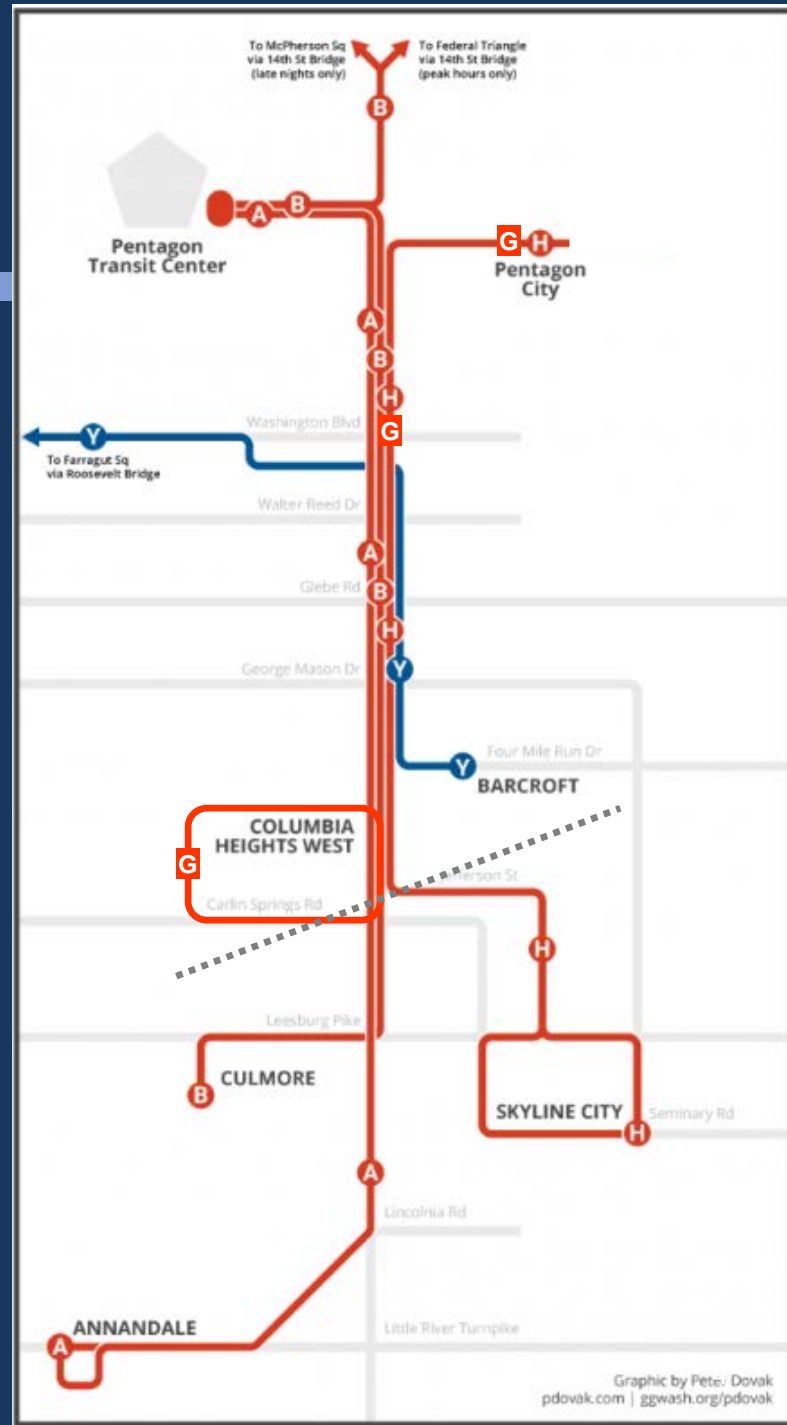




Revised Option 3 *Preferred*

- (A) Annandale-Pentagon
Daily, all day | 30 peak; 60 off-peak
- (B) Culmore-Pentagon (with 16X)
Daily, all day | 10 peak; 30 off-peak
- (G) Columbia Hts West-Pentagon City
Daily, all day | 12 peak; 24 off-peak
- (H) Skyline City-Pentagon City
Daily, all day | 12 peak; 24 off-peak

(G) & (H) combined frequency: 6 peak/12 off peak between Jefferson St and Pentagon City



OPERATIONS

Stop Spacing

- Remove/consolidate orphan stops* :
 - Spring Lane, westbound
 - Tyler Street, eastbound**
 - Oxford Street, eastbound
 - Wyndhill Drive, eastbound
 - Bennett Drive, eastbound

* pending field check

** may be useful as potential walkover stop, depending on final alternative



OUTREACH

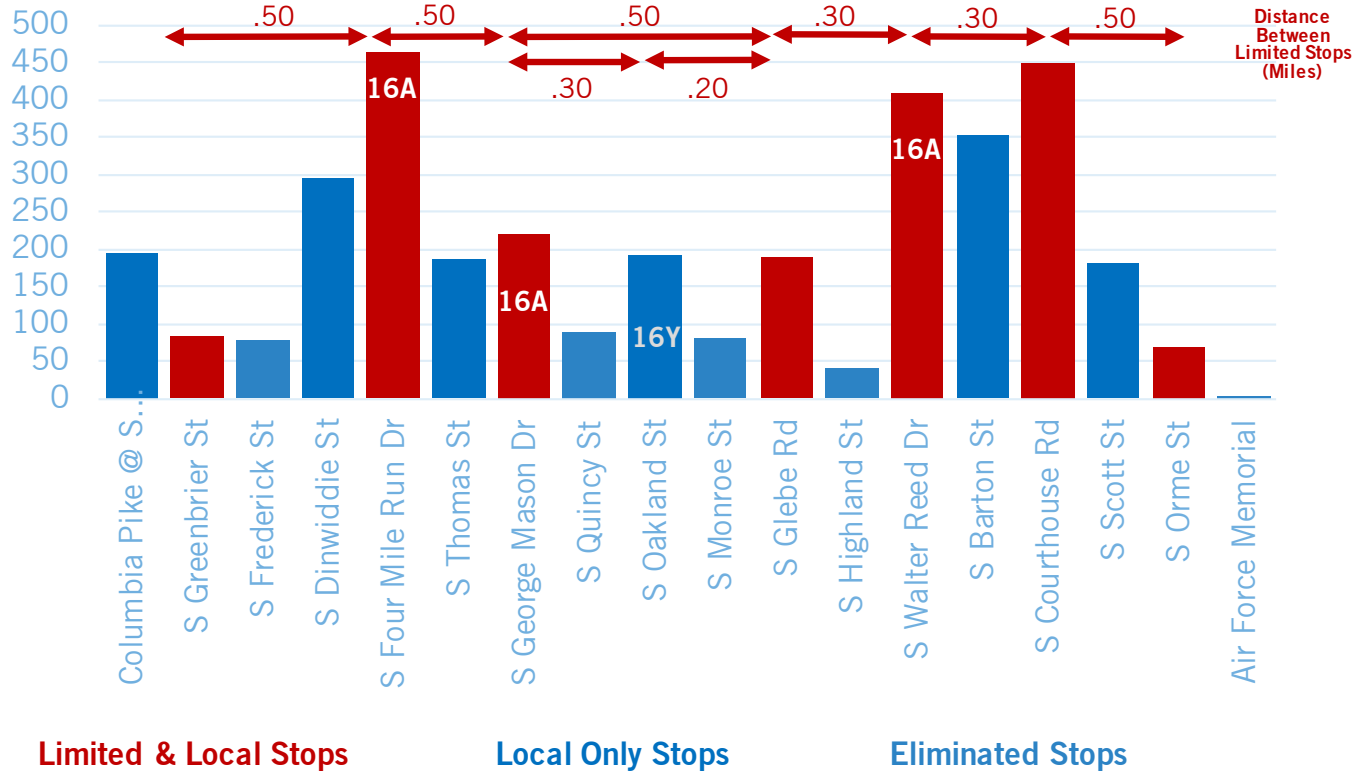
- Builds on Arlington TDP outreach
- Fairfax County stakeholder focus groups
 - Mason District
 - Annandale Campus
- Rider Survey
- Public Meeting & Hearing
 - Arlington Mill Community Center

Rider Survey

Route	Shift	Starting Location	Surveys Distributed	Surveys Collected
16 A,B, E, J,P	Tuesday Sept 12 AM Peak (6:00 – 10:00 AM)	<ul style="list-style-type: none"> • Americana Dr & Patriot Dr • Pentagon 	171	68
	Tuesday Sept 12 Midday (11:00 AM – 3:00 PM)	<ul style="list-style-type: none"> • Pentagon 	86	39
	Tuesday Sept 12 PM Peak (3:00 – 7:00 PM)	<ul style="list-style-type: none"> • Pentagon 	154	79
	Saturday Sept 16 Midday (10:00 AM – 2:00 PM)	<ul style="list-style-type: none"> • Americana Dr & Patriot Dr 	96	61
16 G, H, K	Thurs Sept 14 AM Peak (6:00 – 10:00 AM)	<ul style="list-style-type: none"> • Pentagon City • S Dinwiddie & 9th St S 	174	101
	Thurs Sept 14 Midday (11:00 AM – 3:00 PM)	<ul style="list-style-type: none"> • Pentagon City 	74	37
	Thurs Sept 14 PM Peak (3:00 – 7:00 PM)	<ul style="list-style-type: none"> • Pentagon City 	98	30
	Saturday Sept 16 Midday (10:00 AM – 2:00 PM)	<ul style="list-style-type: none"> • Pentagon City 	92	77
Total			945	492

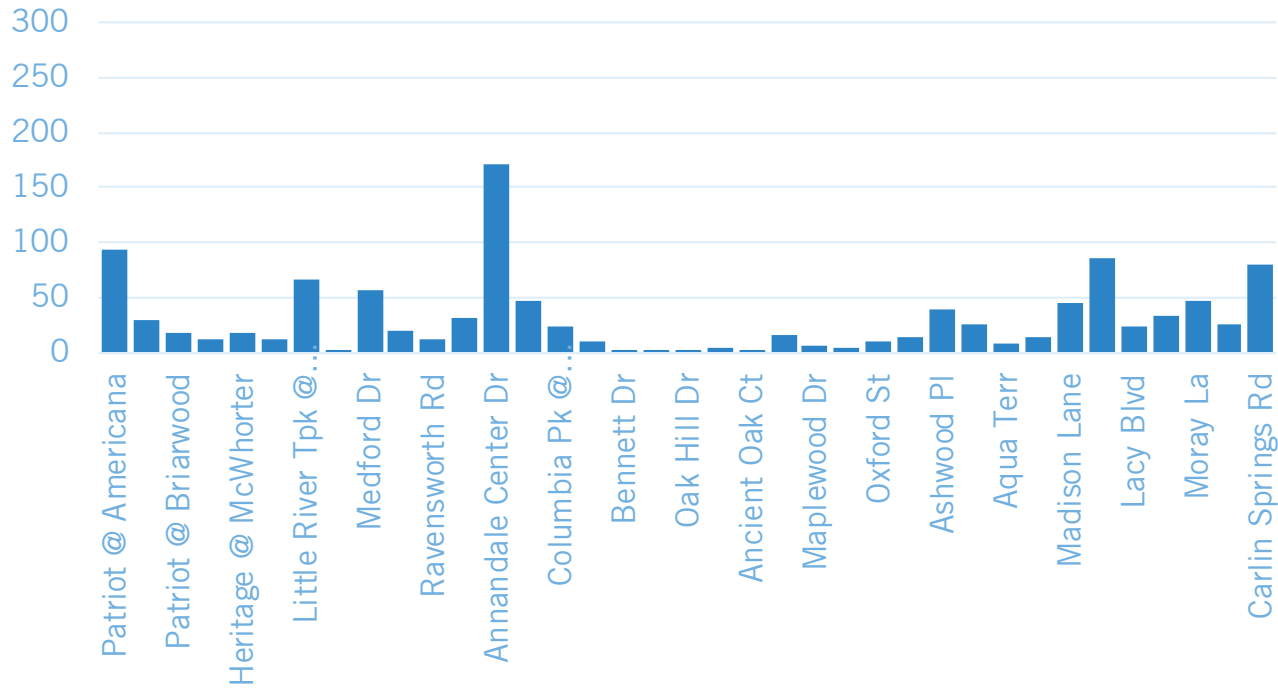
ARLINGTON COUNTY TDP PROPOSAL

WMATA Eastbound Boardings by Stop



FAIRFAX COUNTY WEEKDAY BOARDINGS

WMATA Eastbound Boardings by Stop



Thank you | Questions