



**Silver Line Phase II
Reston-Herndon
Area Bus Service
Review**



**Transportation Advisory Commission
April 17, 2019**





Transit Services Planning in Reston-Herndon Area for Silver Line Phase II

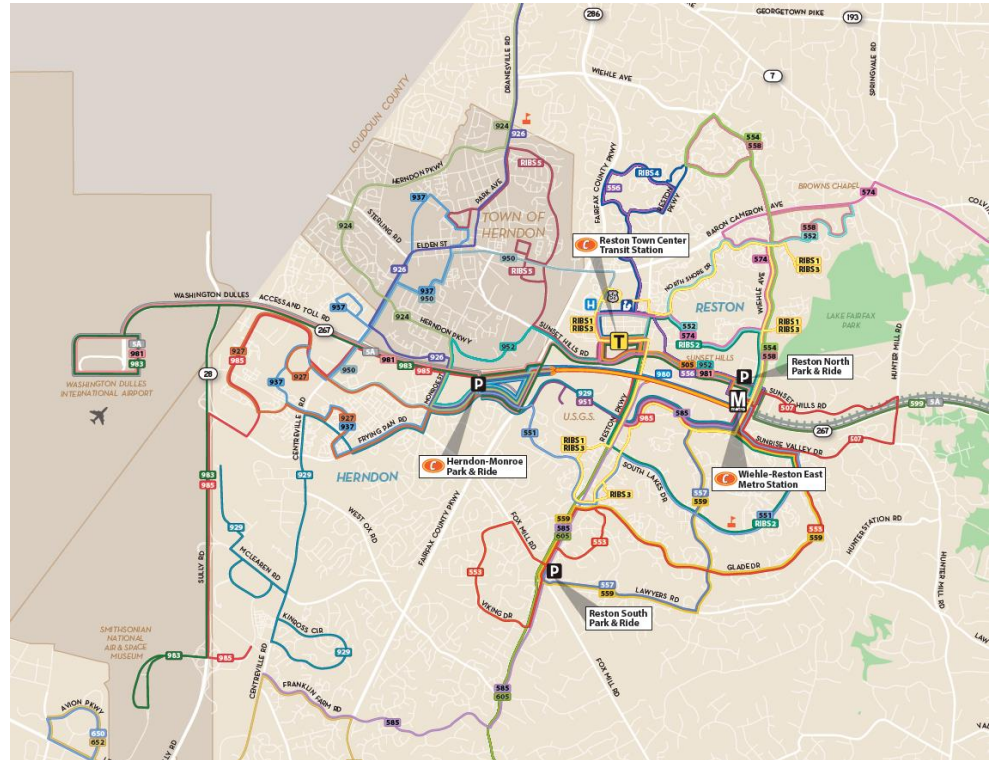
- ❑ The purpose is to enhance bus services in the Reston-Herndon area while capitalizing on implementation of Metrorail Silver Line Phase II.
- ❑ The process will encourage public input, examine past and existing transit conditions, analyze future needs, and develop service change recommendations.
- ❑ The proposed service changes will include route efficiencies, new route designs, and improved access/mobility.





Reston-Herndon Area Transit Service Overview

- ❑ Number of routes: 32
- ❑ Route types:
 - Commuter: 1
 - Circulator: 5
 - Local: 11
 - Feeder: 15
- ❑ Peak-hour level of service: 70 buses

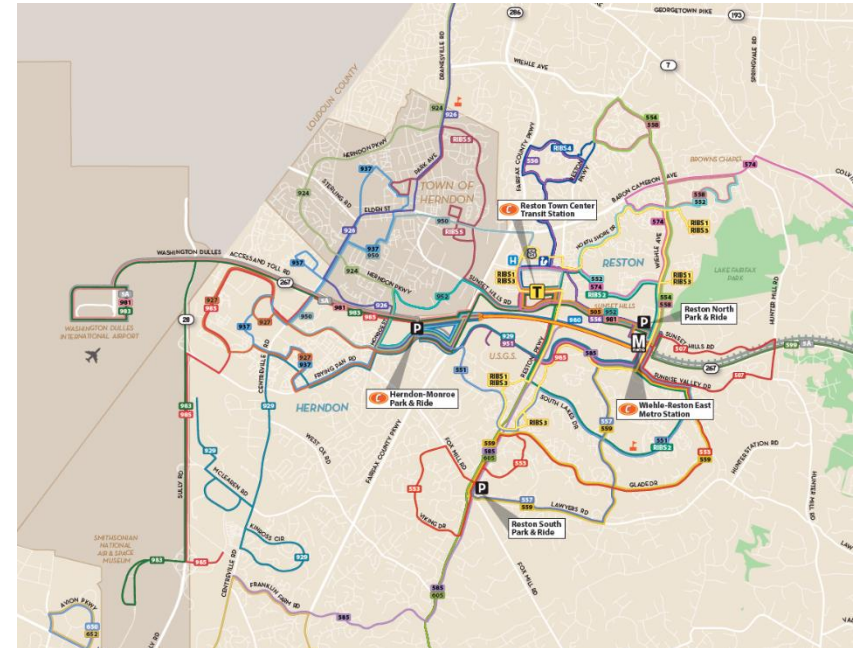




Reston-Herndon Area Transit Service Overview

□ Transit Facilities:

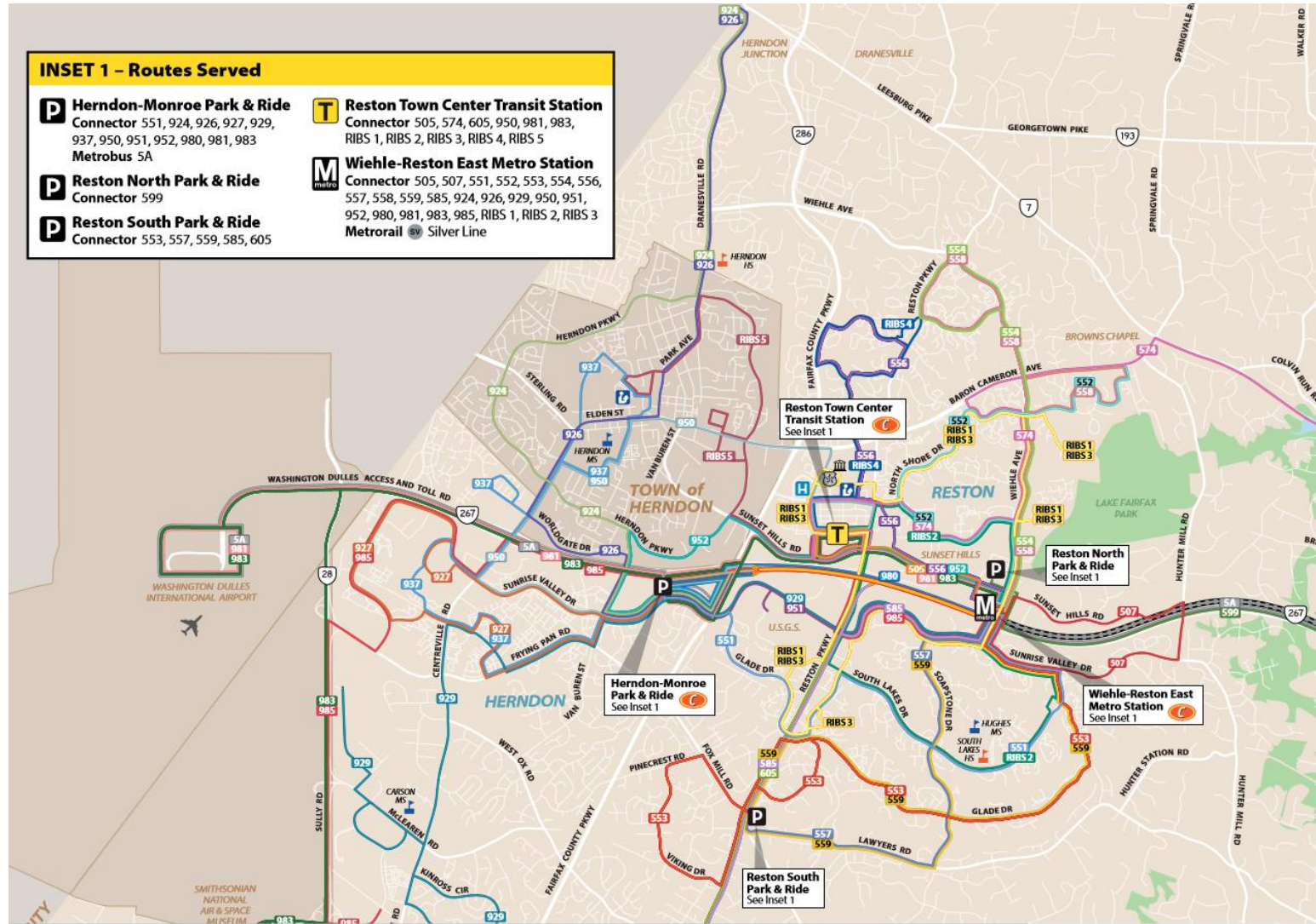
- Current Metrorail Silver Line Stations:
 - Wiehle–Reston East* (with Park-and-Ride)
- Future Metrorail Silver Line Stations:
 - Reston Town Center (with Kiss-and-Ride on both sides)
 - Herndon* (with Park-and-Ride)
 - Innovation Center* (with Park-and-Ride)
- Other Transfer Centers / Park-and-Ride Lots:
 - Reston Town Center Transit Station
 - Reston South Park-and-Ride Lot
 - Reston North Park-and-Ride Lot



* Park-and-Ride lots include Kiss-and-Ride and bike rooms



County of Fairfax, Virginia

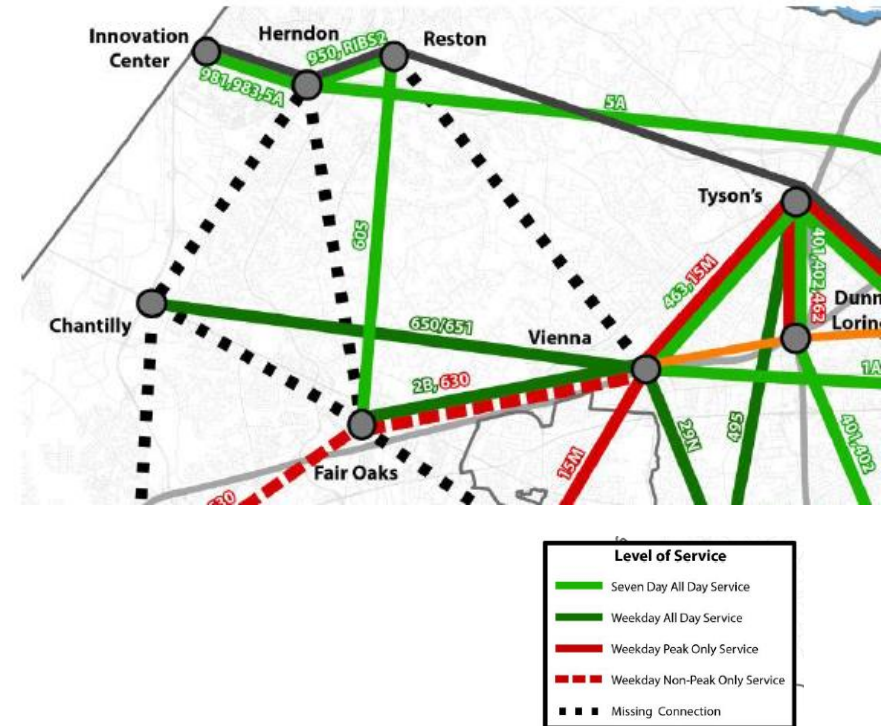




Reston-Herndon Area Bus Service Planning Process

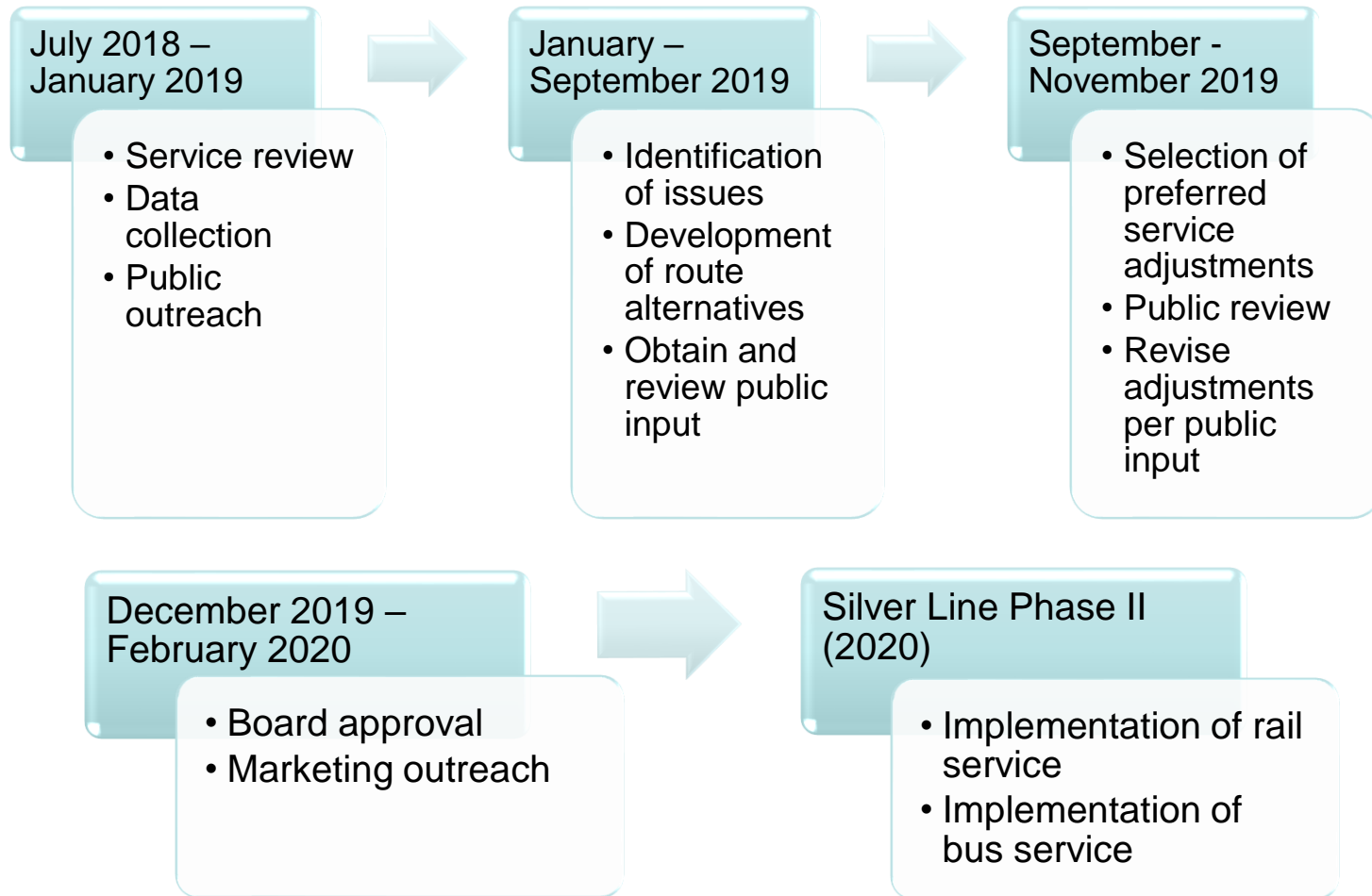
- ❑ The initial planning process will be based on:
 - 2016 Transit Development Plan (approved by County Board of Supervisors in March 2016)
 - Public input on current service and future service needs
 - Reassessment of existing service
 - Impact of Metrorail Silver Line on travel patterns
 - Level of funding available for service adjustments

- ❑ Assessment process will:
 - Realign routes to increase connectivity and frequency
 - Improve mobility within community
 - Reduce congestion
 - Improve community vitality
 - Reallocate hours of operations





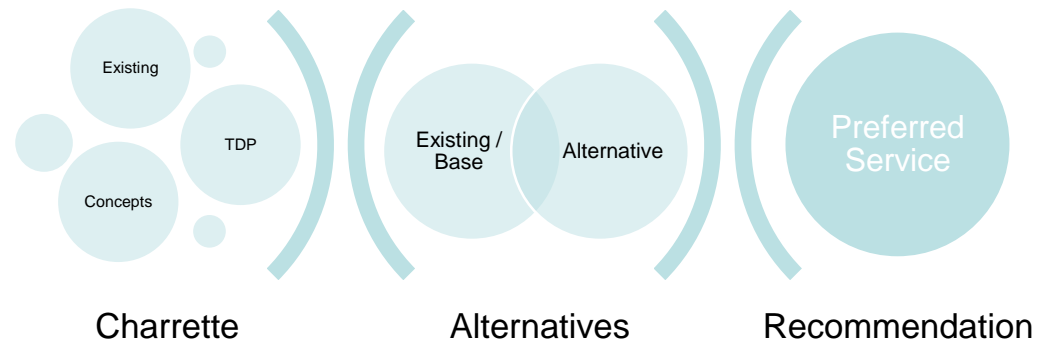
Planning Timeline





Public Meeting Process

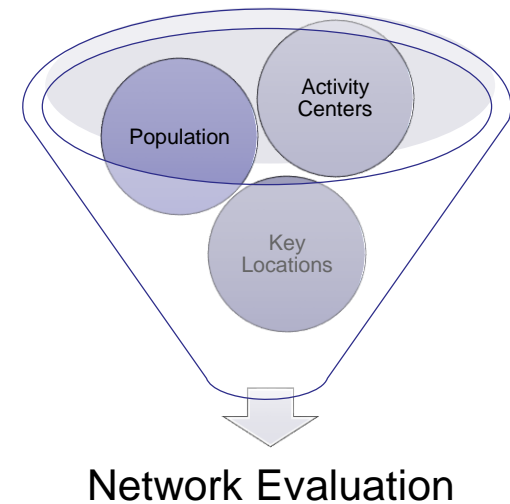
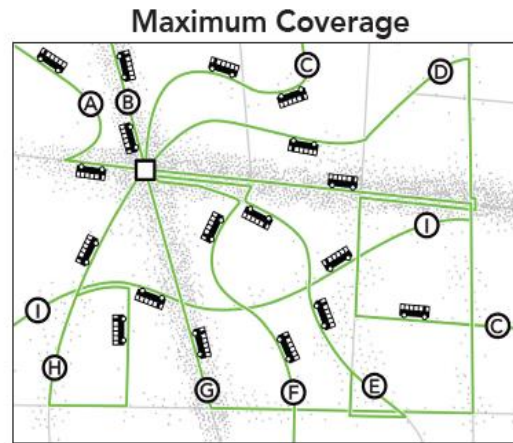
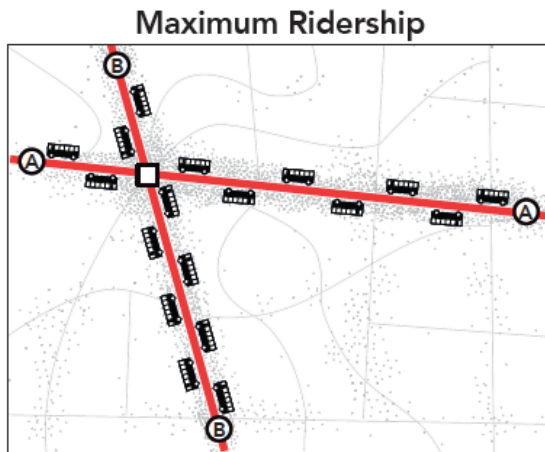
- Charrette (Interactive Group Exercise)
 - Existing service
 - Transit Development Plan
 - New concepts
- Alternative Analysis
 - Quantitative
 - Qualitative
- Recommendation of Preferred Service





Concept Evaluation

- ❑ Evaluate route alternatives based on connectivity to facilities and activity centers
- ❑ Use public input to determine transit values and needs





Concept Evaluation

Four Geographic Indicators of High Ridership Potential

DENSITY *How many people, jobs, and activities are near each transit stop?*

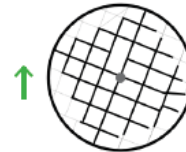


↑ Many people and jobs are within walking distance of transit.

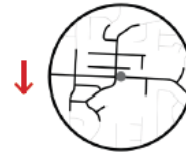


↓ Fewer people and jobs are within walking distance of transit.

WALKABILITY *Can people walk to and from the stop?*



The dot at the center of these circles is a transit stop, while the circle is a 1/4 mile radius.



The whole area is within 1/4 mile, but only the black-shaded streets are within a 1/4 mile walk.

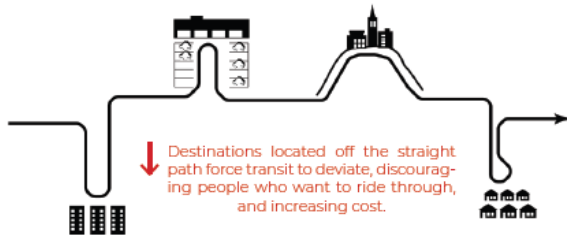


↑ It must also be safe to cross the street at a stop. You usually need the stops on both sides for two-way travel!

LINEARITY *Can transit run in reasonably straight lines?*



↑ A direct path between any two destinations makes transit appealing.



↓ Destinations located off the straight path force transit to deviate, discouraging people who want to ride through, and increasing cost.

PROXIMITY *Does transit have to traverse long gaps?*



↑ Short distances between many destinations are faster and cheaper to serve.



↓ Long distances between destinations means a higher cost per passenger.



What are We Looking For?

- How the transit system can help you
- Key issues that would impact the implementation of transit service
- Service suggestions
- Other input





Recent Activities and Next Steps

- Public input opportunities included:
 - Online survey from January 9 - February 20, 2019
 - Public meetings with interactive format
 - Reston Community Center at Lake Anne: January 26, 2019
 - Herndon Senior Center: February 19, 2019
 - More information at www.fairfaxconnector.com
- Develop transit service alternatives based on:
 - Public input
 - Existing service information
 - Travel patterns
- Bring alternatives to the public for review





Questions & Discussion

