

I-495 American Legion Bridge Transit and TDM Study Update

Commonwealth Transportation Board

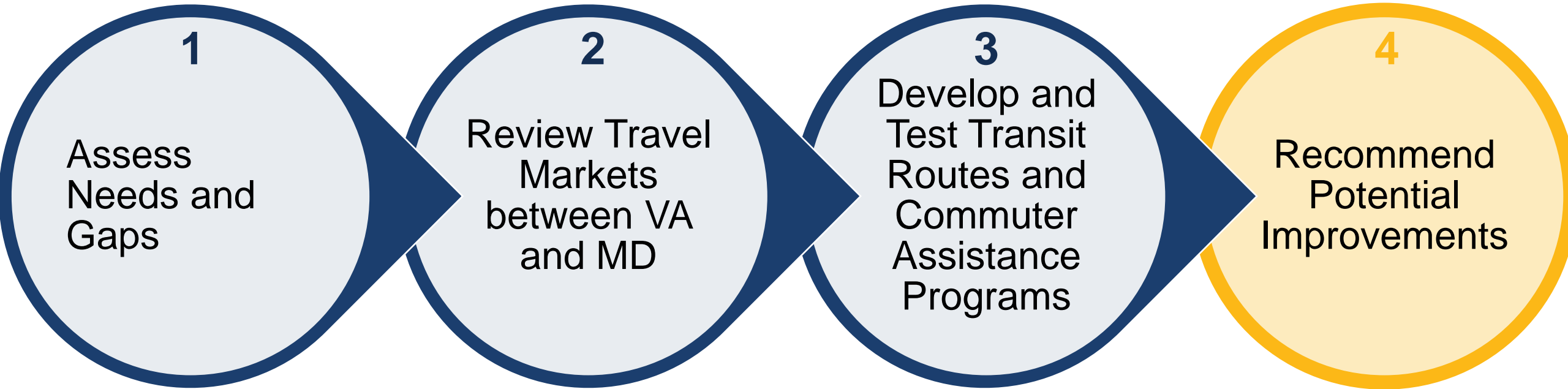
December 9, 2020

Jennifer DeBruhl, Chief of Public Transportation
Department of Rail and Public Transportation

Engagement Process

- Three Stakeholder Meetings held to date
 - July 16, 2020
 - August 28, 2020
 - October 16, 2020
- Upcoming Stakeholder Meeting scheduled for **December 11, 2020**
- Public Comment Period for Draft Recommendations: *Mid December – Late January*
- Public Meetings
 - DRPT/VDOT I-495 Public Meeting. November 18, 2020
 - I-495 ALB Transit and TDM Study Public Meeting. Early January
- Surveys
 - Survey 1: Purpose was to gain an understanding of commute choices in addition to driving alone. *Closed August 28, 2020*
 - Survey 2: Getting feedback on potential recommendations. *Ongoing*
- Keeping track of the Study is easy by connecting to DRPT's Major Initiatives Webpage.
- The study webpage includes a stakeholder comment link

www.drpt.virginia.gov/transit/major-initiatives/i-495american-legion-bridge-transit-and-tdm-study/



1
Assess
Needs and
Gaps

2
Review Travel
Markets
between VA
and MD

3
Develop and
Test Transit
Routes and
Commuter
Assistance
Programs

4
Recommend
Potential
Improvements

- Why is transit needed?
- What transit is there today?
- What transit is planned in the future?

- Where are trips over the bridge coming from and going to?
- Which of those markets could be served by transit?

- Where and how often should the route stop?
- Where can transit use managed lanes?
- How can technology improve the transit experience?
- How will people get to and from the transit service?

- What is the overall forecasted affect on reducing congestion?
- How many people and jobs will be connected by new transit?
- How much will it cost to implement?

Legend

- Insufficient Travel Demand Along Corridor
- Not Competitive with Existing Transit Service
- Indirect Access to Managed Lanes
- Route Connection Advanced for Testing

Option	Virginia	↔	Maryland
1	Tysons		Bethesda ★
2			Friendship Heights
3a			Germantown ★
3b			Gaithersburg ★
4			White Flint
5a			Silver Spring ★
5b			White Oak via Silver Spring
6			Frederick ★

Option	Virginia	↔	Maryland
7a	Reston		Frederick
7b			Germantown
7c			Gaithersburg
7d			Rockville
7e			Silver Spring
7f			White Oak
7g			Bethesda ★

Option	Virginia	↔	Maryland
8a	Dunn Loring		Frederick
8b			Germantown
8c			Gaithersburg
8d			Rockville
8e			Silver Spring
8f			White Oak
8g			Bethesda ★

Option	Virginia	↔	Maryland
7a	Arlington		Frederick ★
7b			Germantown
7c			Gaithersburg
7d			Rockville
7e			Bethesda
7f			Silver Spring
7g			White Oak

Prioritization Methodology

- Potential routes scored relative to each other based on three categories



Productivity – Maximizing ridership for the lowest cost



Equity – Serving areas with high concentrations of low-income and minority individuals



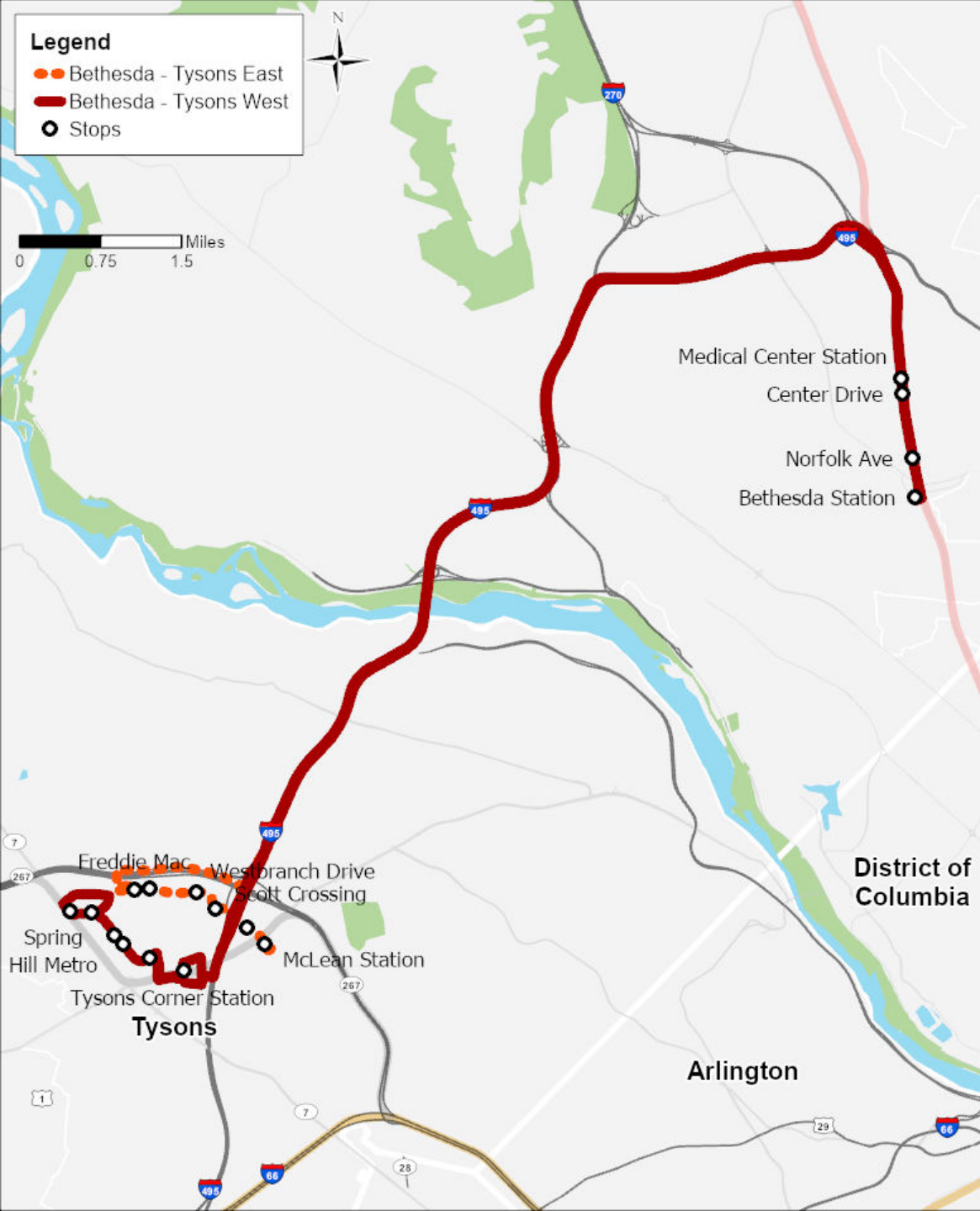
Connectivity – Providing access to the most jobs and people

Routes Retained:

- Bethesda – Tysons
- Germantown – Tysons
- Silver Spring – Tysons
- Gaithersburg – Tysons
- Frederick – Tysons
- Bethesda – Reston
- Bethesda – Dunn Loring
- Frederick – Arlington

SCORING KEY

HIGH ● ● ●
MEDIUM ● ●
LOW ●



1. Bethesda – Tysons

- Service both directions during peak periods
- Transit and Rail Connections:
 - Red Line Metrorail
 - Silver Line Metrorail
 - Planned Purple Line
 - Planned Route 7 BRT
 - Planned MD 355 BRT
 - Local Bus and Regional Bus

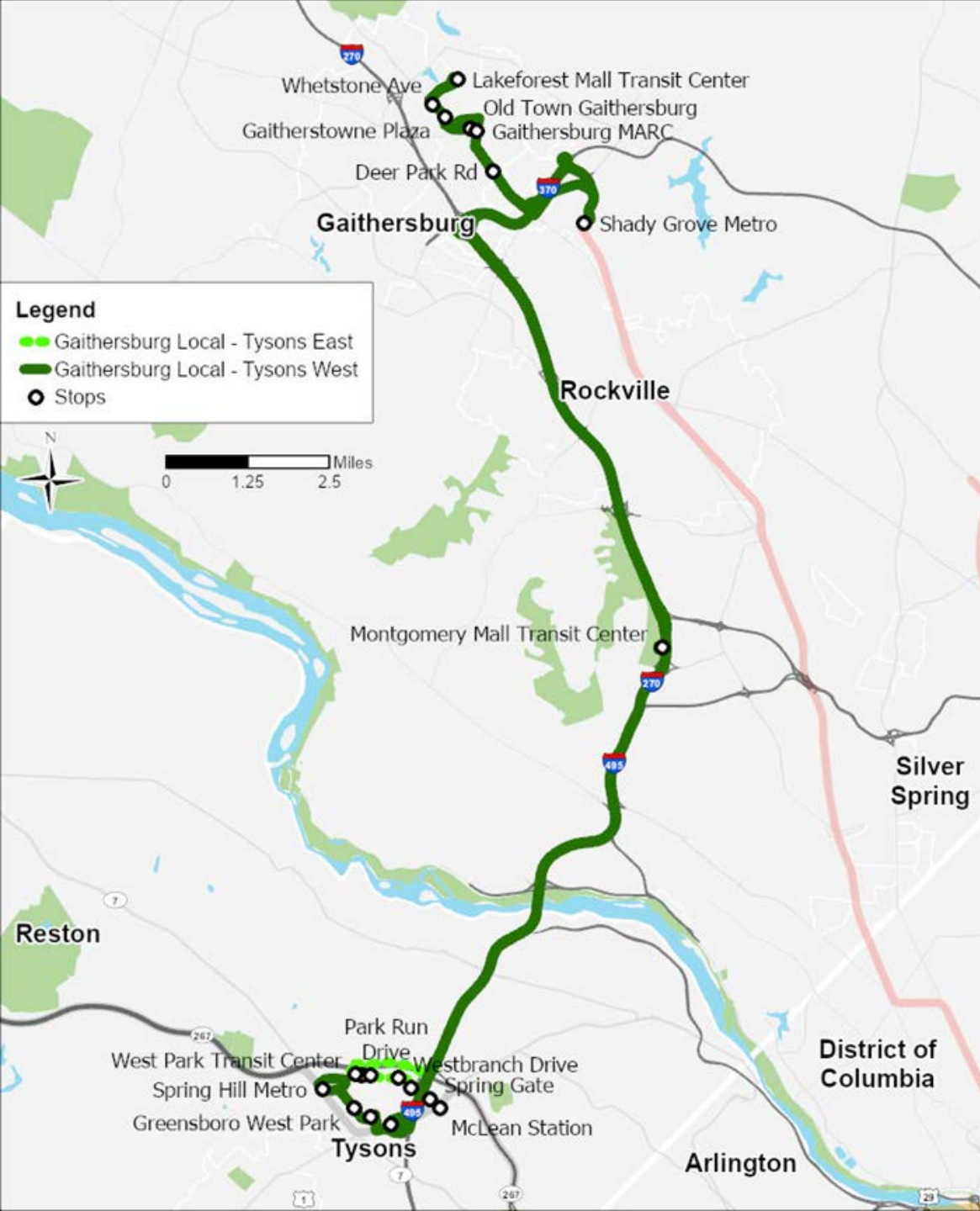
Metric	Score
Productivity	● ● ●
Equity	●
Connectivity	● ●
Rank	# 2



3a. Germantown – Tysons

- Service from Germantown to Tysons during AM peak period and Tysons to Germantown during PM peak period.
- Transit and Rail Connections:
 - Silver Line Metrorail
 - Planned Route 7 BRT
 - Planned Corridor Cities Transitway
 - Planned Randolph Road BRT
 - Local Bus and Regional Bus

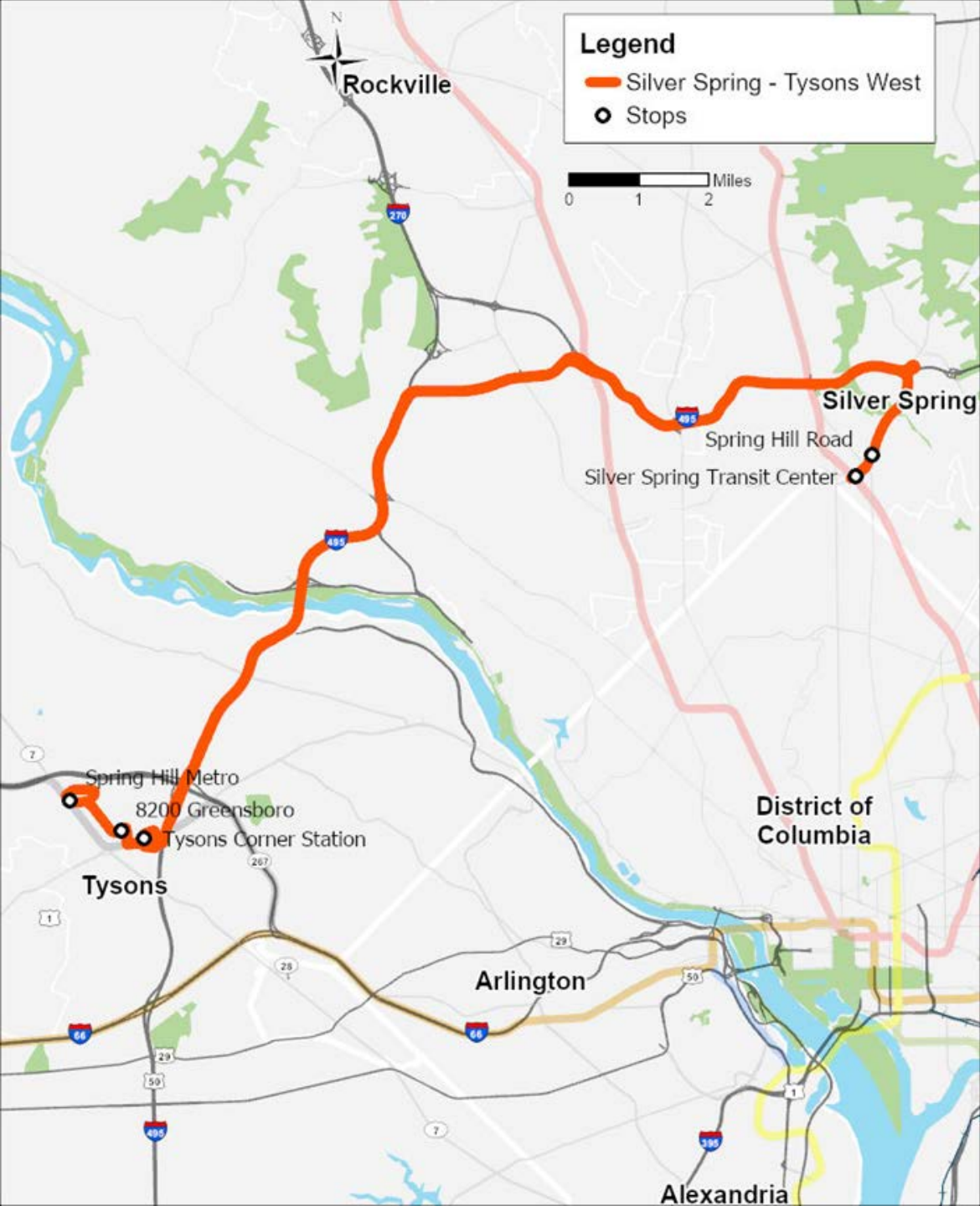
Metric	Score
Productivity	● ●
Equity	● ● ●
Connectivity	● ●
Rank	# 4



3b. Gaithersburg – Tysons

- Service from Gaithersburg to Tysons during AM peak period and Tysons to Gaithersburg during PM peak period.
- Transit and Rail Connections:
 - Red Line Metrorail
 - Silver Line Metrorail
 - Gaithersburg MARC
 - Planned Route 7 BRT
 - Planned Corridor Cities Transitway
 - Planned MD 355 BRT
 - Planned Randolph Road BRT
 - Local Bus and Regional Bus

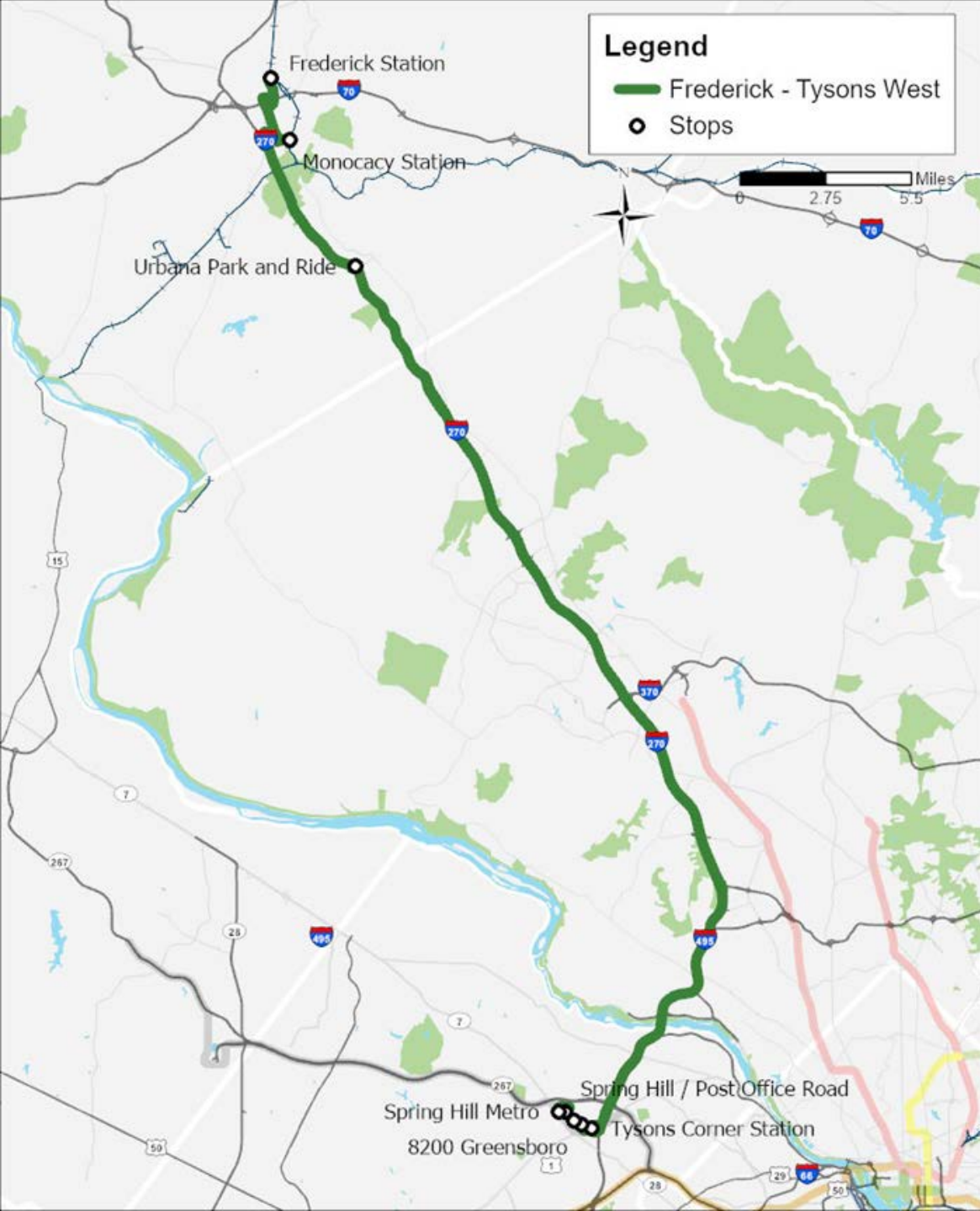
Metric	Score
Productivity	● ● ●
Equity	● ● ●
Connectivity	● ● ●
Rank	#3



5a. Silver Spring – Tysons

- Service from Silver Spring to Tysons during AM peak period and Tysons to Silver Spring during PM peak period.
- Transit and Rail Connections:
 - Red Line Metrorail
 - Silver Line Metrorail
 - Planned Purple Line LRT
 - Planned Route 7 BRT
 - US 29 FLASH BRT
 - Local Bus and Regional Bus

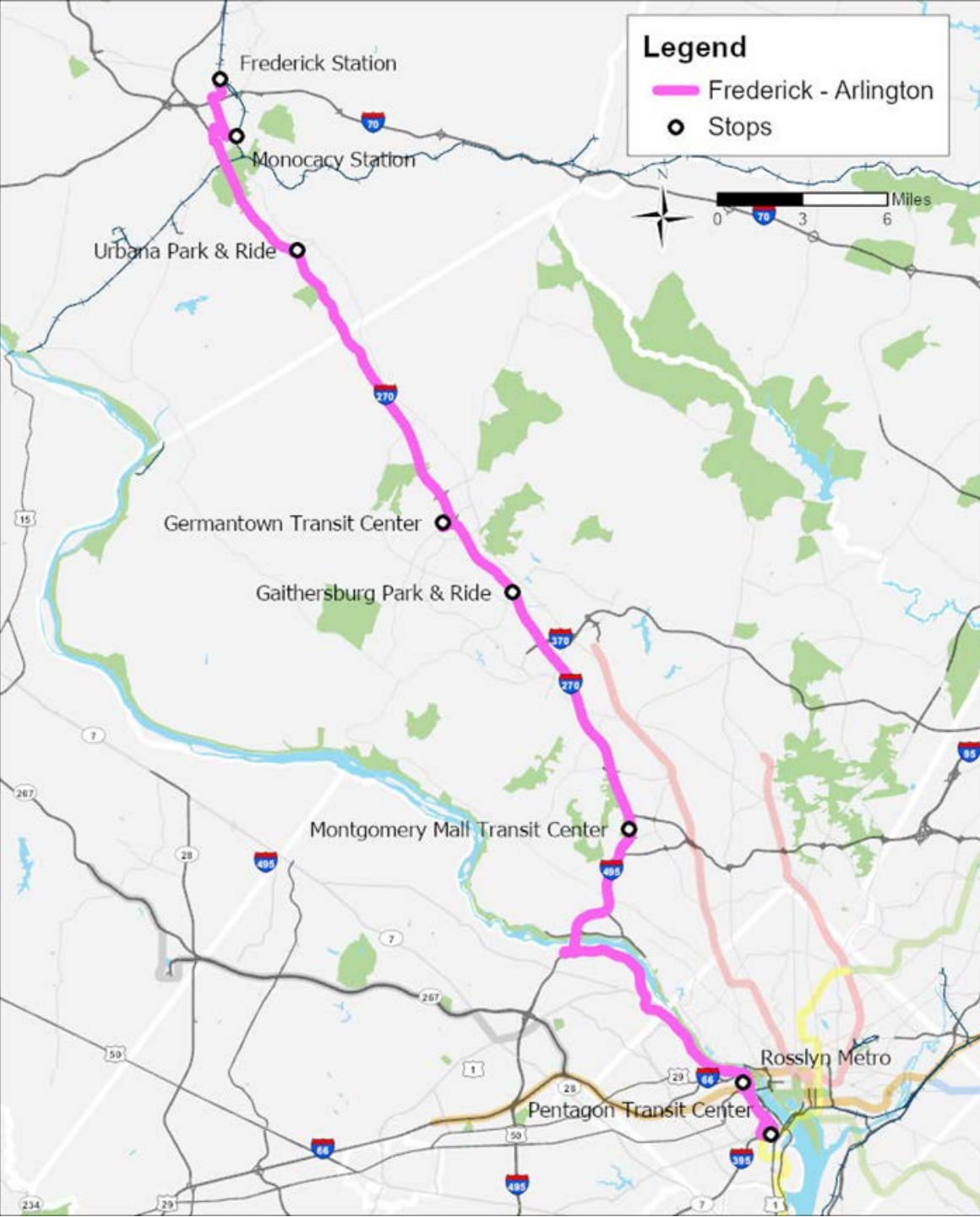
Metric	Score
Productivity	● ●
Equity	● ● ●
Connectivity	● ●
Rank	#5



6. Frederick – Tysons

- Service from Frederick to Tysons during AM peak period and Tysons to Frederick during PM peak period.
- **Transit and Rail Connections:**
 - Silver Line Metrorail
 - Planned Route 7 BRT
 - Local Bus and Regional Bus

Metric	Score
Productivity	●
Equity	● ● ●
Connectivity	● ●
Rank	#8



7a. Frederick – Arlington

- Service from Frederick to Arlington during AM peak period and Arlington to Frederick during PM peak period.
- Transit and Rail Connections:
 - Orange Line Metrorail
 - Silver Line Metrorail
 - Blue Line Metrorail
 - Yellow Line Metrorail
 - Planned Randolph Road BRT
 - Planned Corridor Cities Transitway
 - Local Bus and Regional Bus

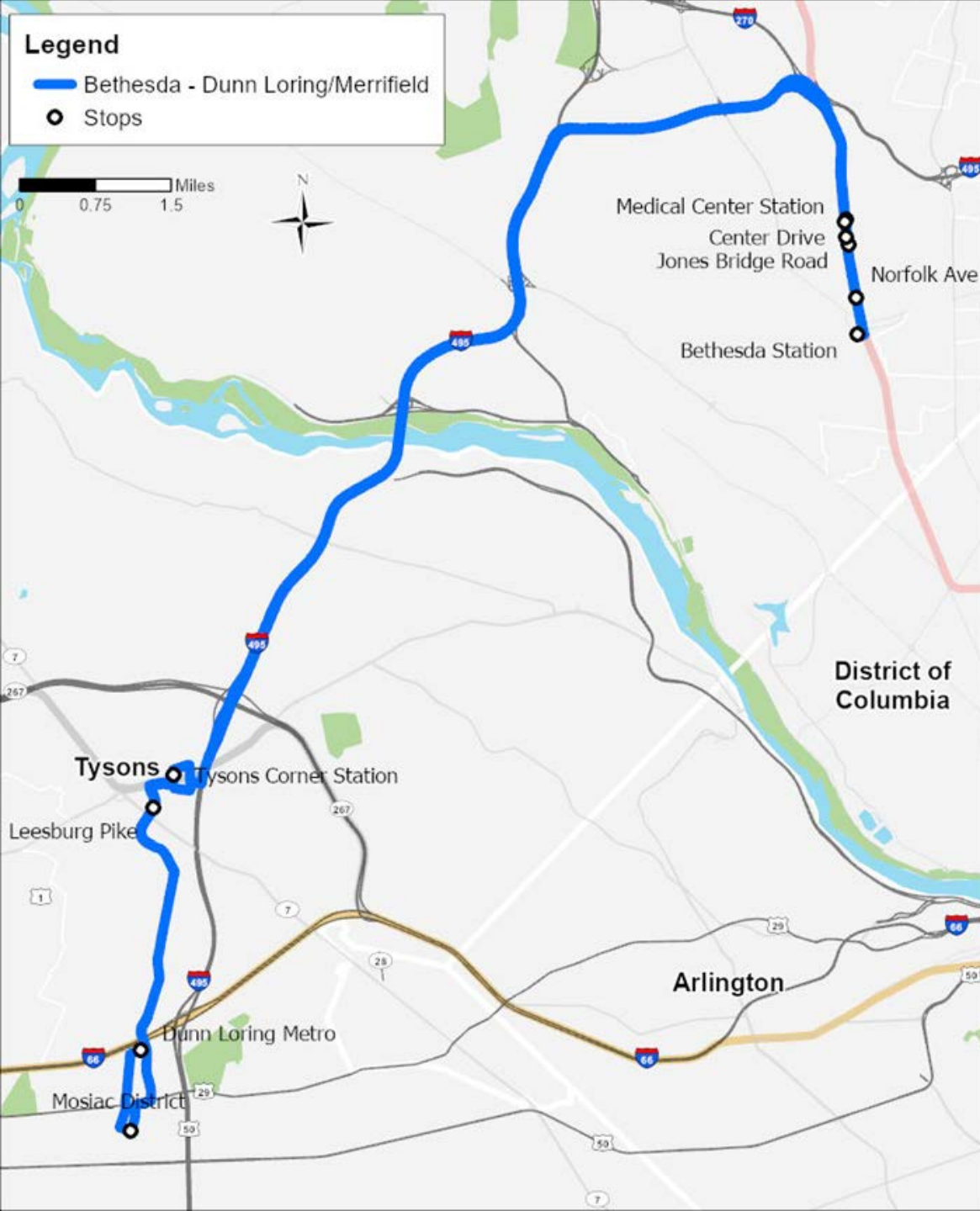
Metric	Score
Productivity	● ●
Equity	● ●
Connectivity	● ●
Rank	#6



7g. Bethesda – Reston

- Service both directions during peak periods
- Transit and Rail Connections:
 - Red Line Metrorail
 - Silver Line Metrorail
 - Planned Purple Line LRT
 - Planned MD 355 BRT
 - Local Bus and Regional Bus

Metric	Score
Productivity	● ●
Equity	● ●
Connectivity	● ● ●
Rank	#7






8g. Bethesda – Dunn Loring via Tysons

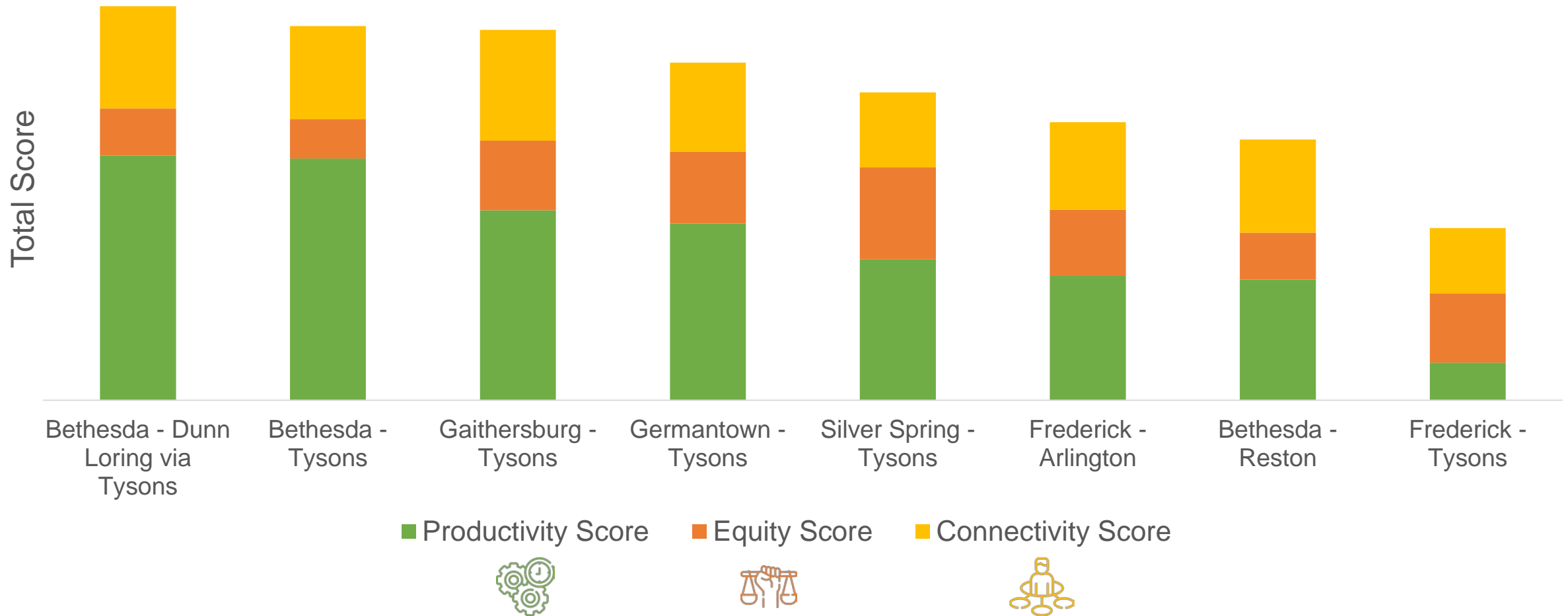
- Service both directions during peak periods
- Transit and Rail Connections:
 - Red Line Metrorail
 - Silver Line Metrorail
 - Planned Purple Line LRT
 - Planned Route 7 BRT
 - Planned MD 355 BRT
 - Local Bus and Regional Bus

Metric	Score
Productivity	● ● ●
Equity	● ●
Connectivity	● ● ●
Rank	#1

Preliminary Route Ranking Summary Table

Preliminary Rank	Options for Evaluation	Productivity Score 	Equity Score 	Connectivity Score 
1	Bethesda - Dunn Loring via Tysons	● ● ●	● ●	● ● ●
2	Bethesda - Tysons	● ● ●	●	● ● ●
3	Gaithersburg - Tysons	● ● ●	● ● ●	● ● ●
4	Germantown - Tysons	● ●	● ● ●	● ●
5	Silver Spring - Tysons	● ●	● ● ●	● ●
6	Frederck - Arlington	● ●	● ●	● ●
7	Bethesda - Reston	● ●	● ●	● ● ●
8	Frederick - Tysons	●	● ● ●	● ●

Preliminary Route Scoring



Technology and Commuter Assistance Program Options

**Commuter Parking
Information System**

**Vanpool Formation and
Expansion Program**

**Real-Time Toll and
Transit Information**

Carpool Promotion Programs

Real-Time Arrival Information

**Corridor-Specific Mobility
Options Marketing Campaign**

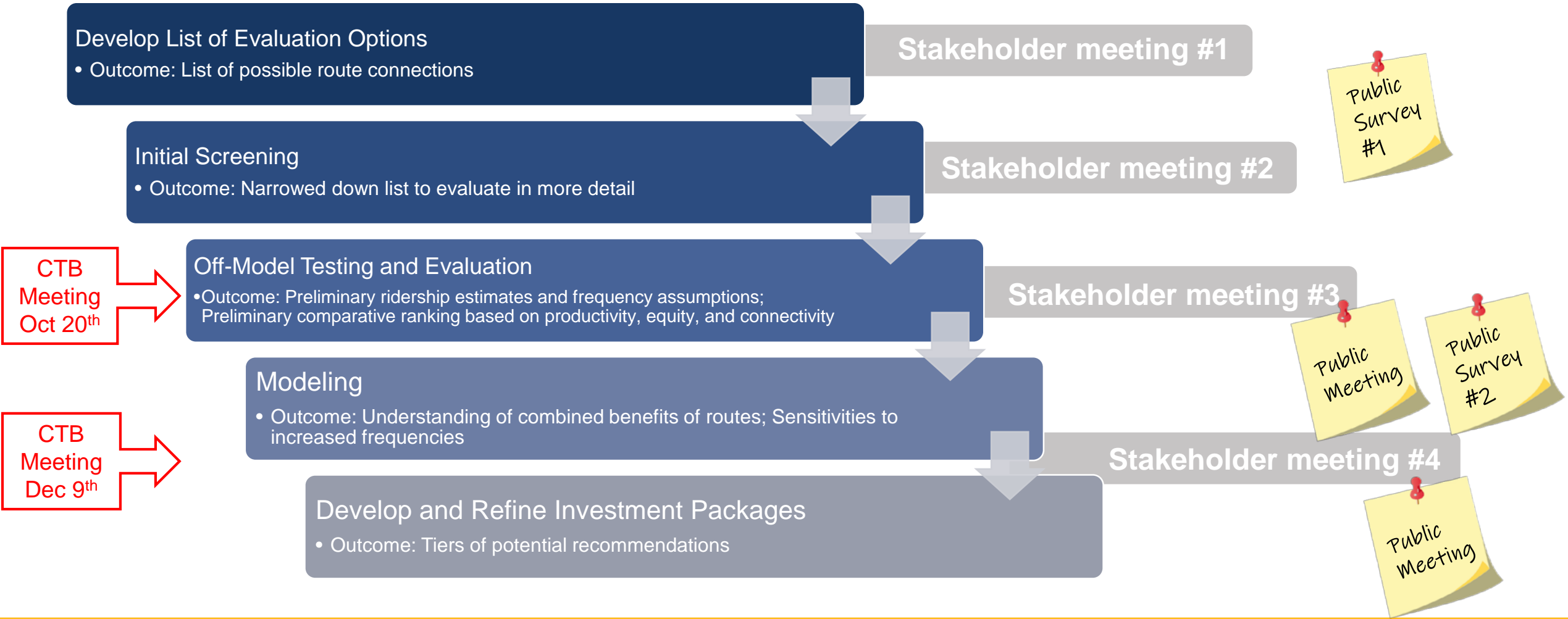
**Real-Time Passenger
Load Information**

Targeted Residential Outreach

Transit Signal Priority

Targeted Employer Outreach

Transit Potential Recommendations Development



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