

# **I-495 American Legion Bridge Transit and TDM Study Update**

***Commonwealth Transportation Board Workshop***

***October 20, 2020***

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Department of Rail and Public Transportation

# Study Context

- Fall 2019: Governors Northam and Hogan announce *Capital Beltway Accord* to Rebuild American Legion Bridge and Connect Interstate Highway System
- Complements Virginia's I-495 NEXT and Maryland's Managed Lanes Study for regionwide seamless network of reliable travel options around the Capital Beltway, I-270, I-95, I-395, and I-66
- This study is funded and managed jointly by DRPT and MDOT-MTA, and is separate from improvement projects in the corridor.

# Study Objectives

Identify a range of potential current and future multimodal solutions that might be implemented to:

- Reduce congestion
- Improve trip reliability and regional connections
- Enhance existing and planned multimodal mobility and connectivity

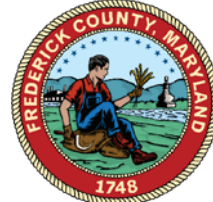


**I-495 American Legion Bridge**

# Study Process

- Three Stakeholder Meetings held to date, three remaining
  - July 16, 2020
  - August 28, 2020
  - October 16, 2020
- Commuter Surveys
  - Survey 1: Purpose was to gain an understanding of commuter choices in addition to driving alone, closed August 28, 2020
  - Survey 2: Purpose is to gain input on draft recommendations, Late October
- Project Website – all materials, public comment form

# Who is Involved? Study Stakeholders Include...



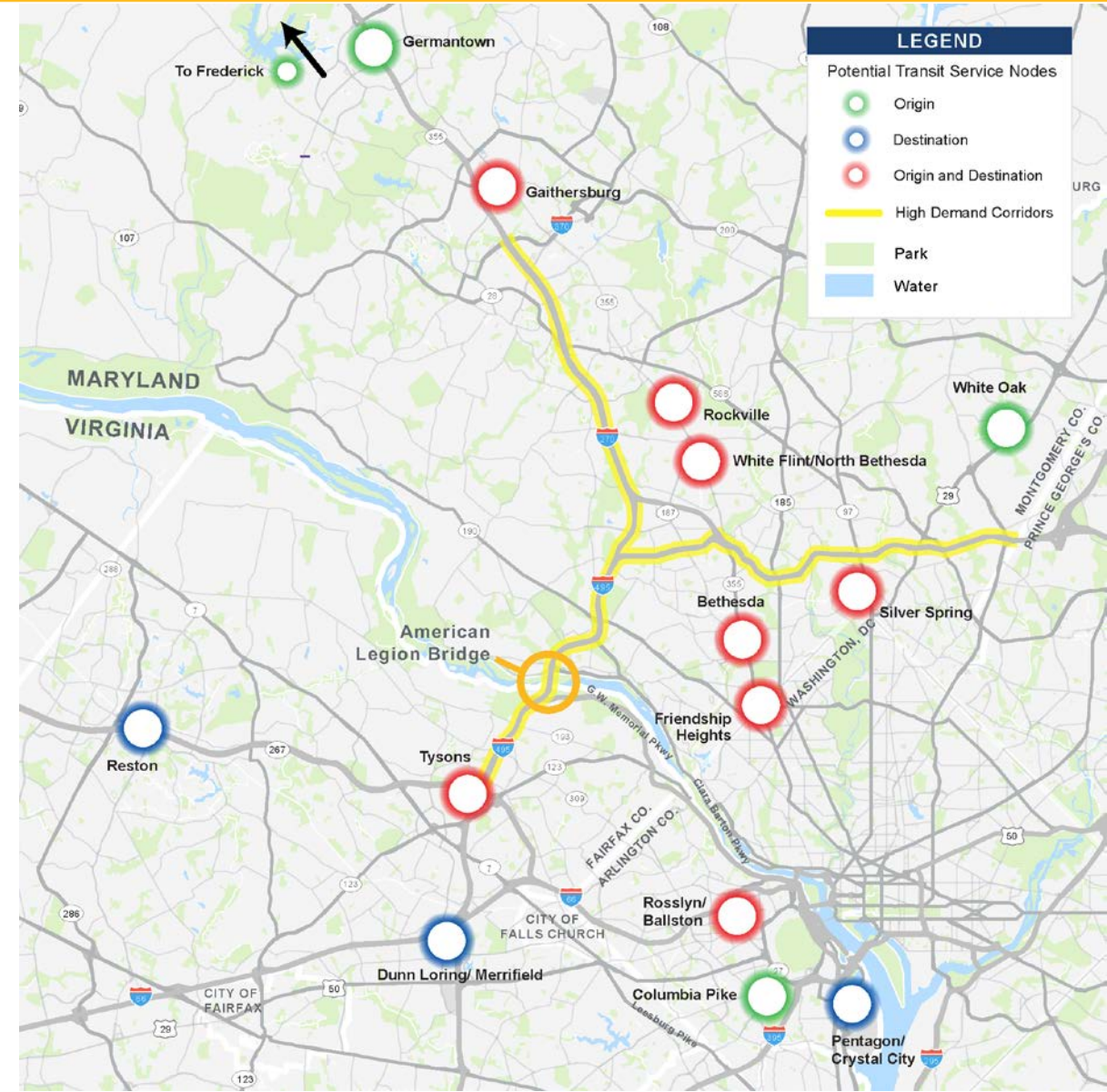
Northern Virginia  
Transportation Authority  
*The Authority for Transportation in Northern Virginia*





# Travel Demand

- High demand
  - MD 355 Corridor and Silver Spring in MD to Tysons, Dunn Loring, and VA 7 corridor
- Moderate demand
  - Fairfax and Arlington in VA to Bethesda and Friendship Heights in MD
- Corridor segments with highest number of trips:
  - I-270/I-270 spur from I-495 to I-370 (MD)
  - I-495 from the Bridge to Dulles Corridor (VA)
  - I-495 from the I-270 spur junction to Prince George's County line (MD)
  - I-495 from the Bridge to the I-270 spur junction (MD)



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

Option	Virginia	↔	Maryland
6a	Dunn Loring		Frederick
6b			Germantown
6c			Gaithersburg
6d			Rockville
6e			Silver Spring
6f			White Oak
6g			Bethesda

Option	Virginia	↔	Maryland
5a	Reston		Frederick
5b			Germantown
5c			Gaithersburg
5d			Rockville
5e			Silver Spring
5f			White Oak
5g			Bethesda

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

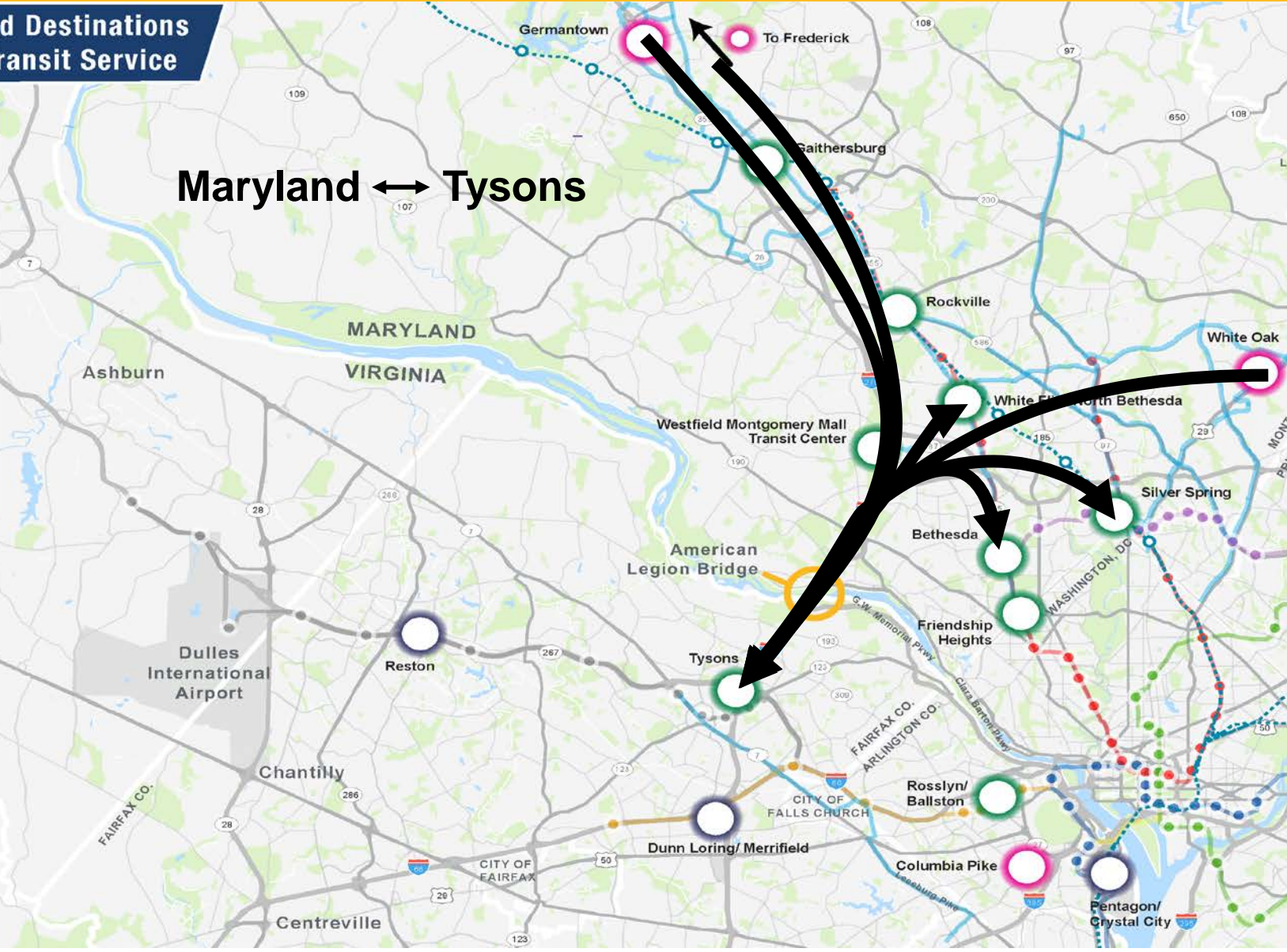
Option	Name
8	Employment Hub Autonomous Shuttle
9	Microtransit Express Bus Routes



## Potential Origins and Destinations for Transit Service

**LEGEND**

- Potential Transit Service Nodes
  - Origin (Pink circle)
  - Destination (Blue circle)
  - Origin and Destination (Green circle)
- Metrorail Station (Orange circle)
- Metrorail (Orange line)
- Planned Metrorail Purple Line (Purple line)
- Planned BRT Lines (Blue line)
- Commuter Rail Station (Blue circle)
- Commuter Rail (Dashed blue line)
- Park (Green area)
- Water (Blue area)



- **Six** Route Options from Maryland to Tysons
- **Three** Route Options Include Bidirectional Service
- **16,400** Daily Trips to Tysons from Maryland
- **2,000** Daily Trips from Tysons to Maryland Activity Centers



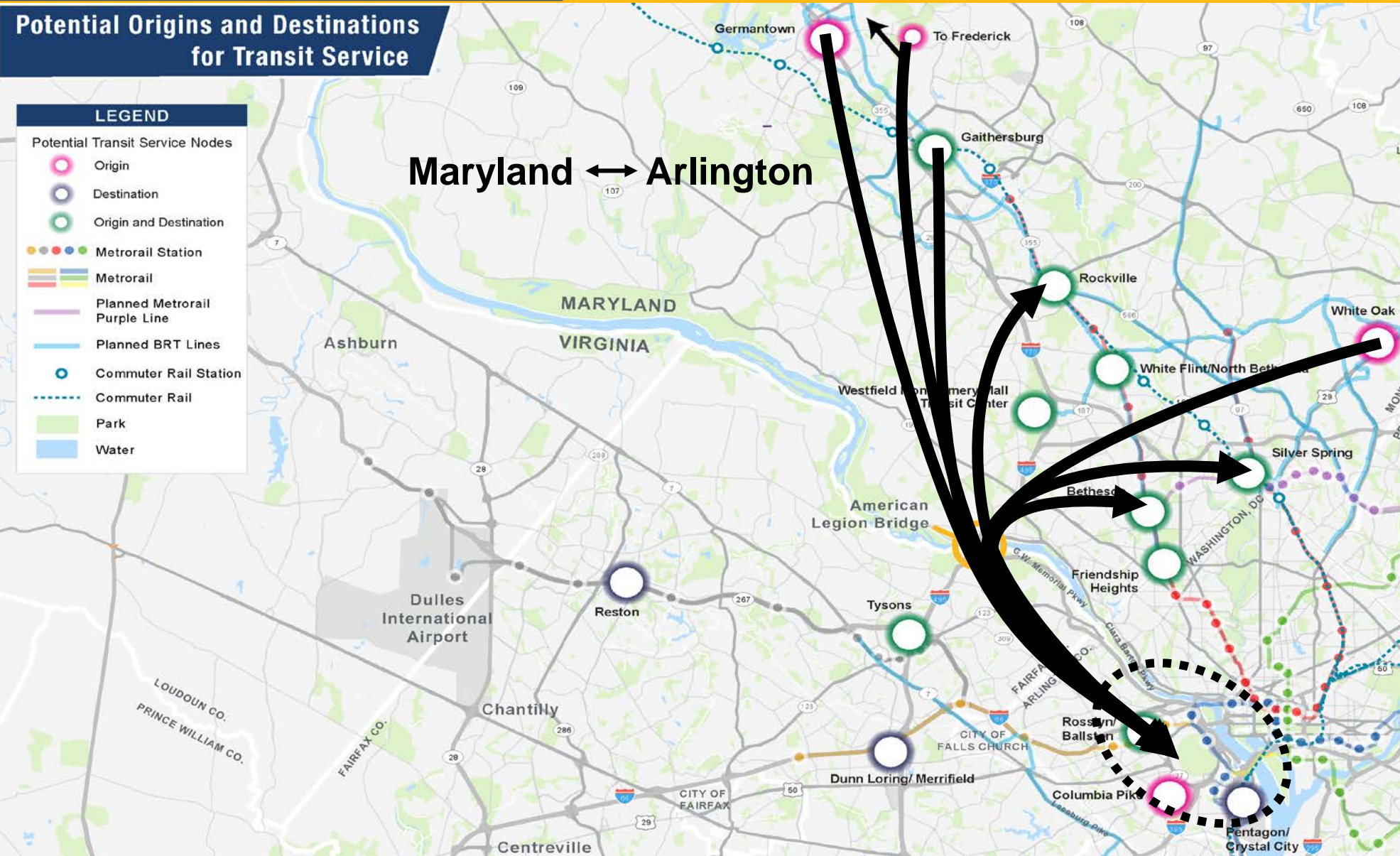
## Potential Origins and Destinations for Transit Service

### LEGEND

#### Potential Transit Service Nodes

- Origin
- Destination
- Origin and Destination
- ● ● ● Metrorail Station
- ▬ ▬ ▬ ▬ Metrorail
- ▬ Planned Metrorail Purple Line
- ▬ Planned BRT Lines
- Commuter Rail Station
- ▬ Commuter Rail
- ▭ Park
- ▭ Water

Maryland ↔ Arlington



- **Seven** Route Options from Maryland to Arlington
- **Three** Route Options Include Bidirectional Service
- **26,600** Daily Trips to Arlington from Maryland
- **3,900** Daily Trips from Arlington to Maryland Activity Centers



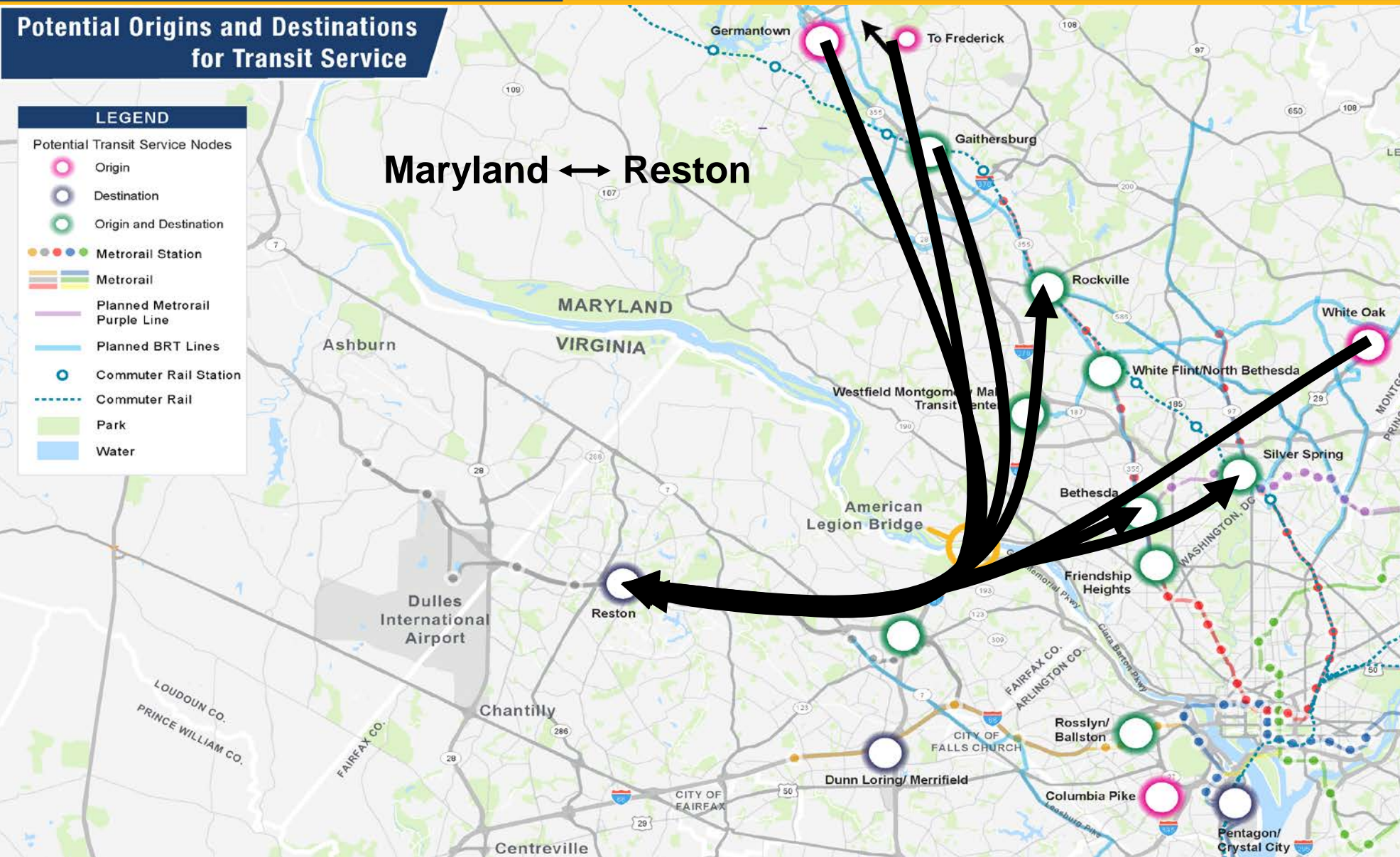
## Potential Origins and Destinations for Transit Service

### LEGEND

#### Potential Transit Service Nodes

- Origin
- Destination
- Origin and Destination
- ● ● ● Metrorail Station
- — — — Metrorail
- Planned Metrorail Purple Line
- Planned BRT Lines
- Commuter Rail Station
- - - Commuter Rail
- Park
- Water

Maryland ↔ Reston



- **Seven** Route Options from Maryland to Reston
- **Three** Route Options Include Bidirectional Service
- **5,300** Daily Trips to Reston from Maryland
- **600** Daily Trips from Reston to Maryland Activity Centers



## Potential Origins and Destinations for Transit Service

**LEGEND**

Potential Transit Service Nodes

- Origin (Pink circle)
- Destination (Purple circle)
- Origin and Destination (Green circle)

Metrail Station (Colored dots)

Metrail (Colored lines)

Planned Metrorail Purple Line (Purple line)

Planned BRT Lines (Blue line)

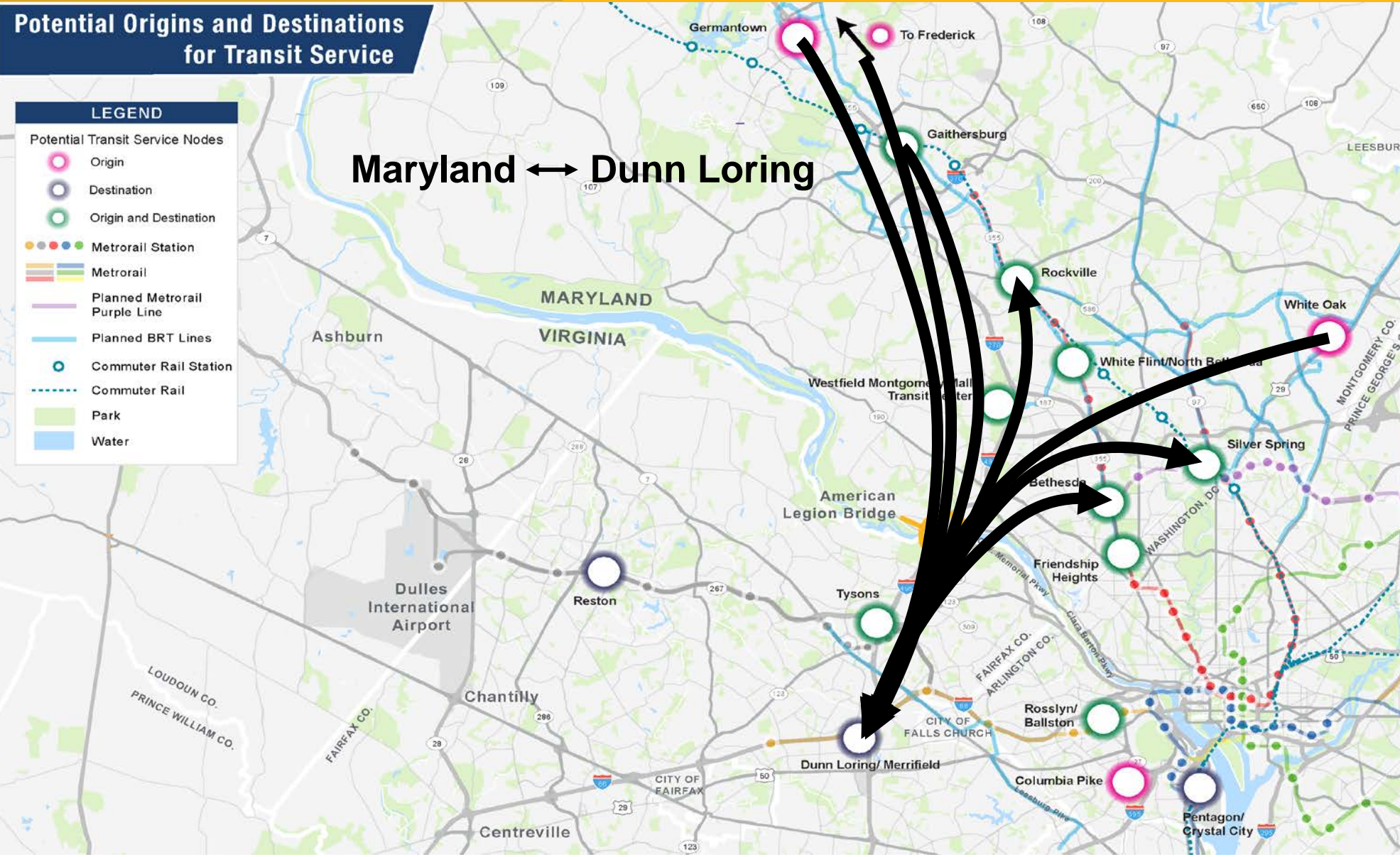
Commuter Rail Station (Blue circle)

Commuter Rail (Dotted blue line)

Park (Green area)

Water (Blue area)

Maryland ↔ Dunn Loring



- **Seven** Route Options from Maryland to Dunn Loring
- **Three** Route Options Include Bidirectional Service
- **4,900** Daily Trips to Dunn Loring from Maryland
- **800** Daily Trips from Dunn Loring to Maryland Activity Centers

# 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**

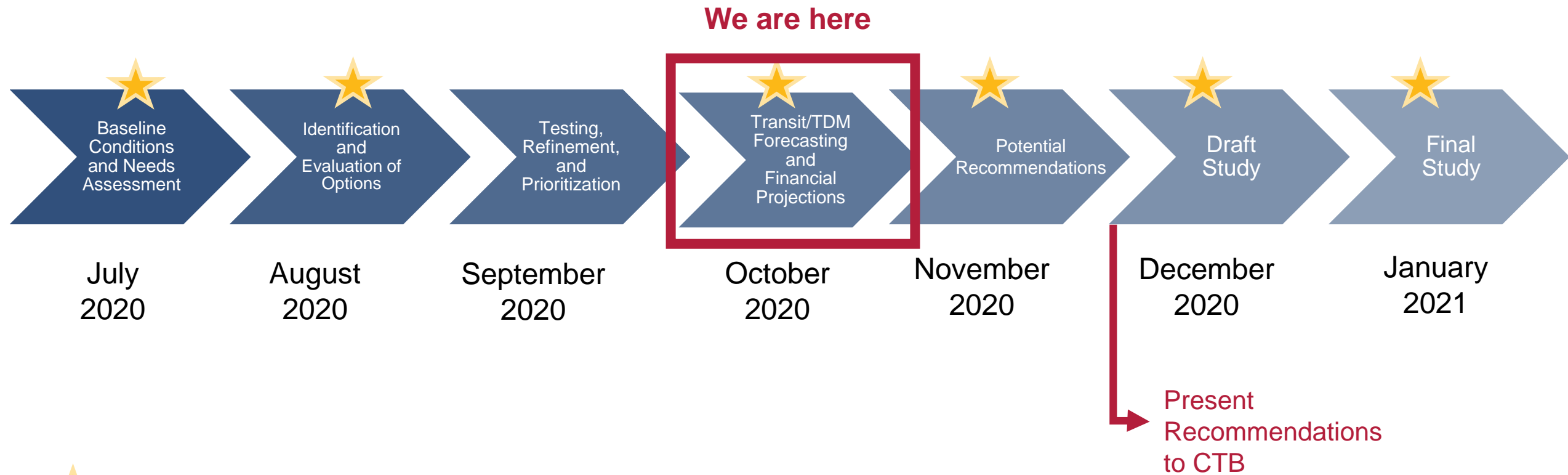
**Targeted Residential Outreach**

**Transit Signal Priority**

**Targeted Employer Outreach**



# Next Steps



## Keeping track of the Study is easy

- On DRPT Webpage – Major Initiatives
- All study materials are posted for public review
- The study webpage includes a [stakeholder comment link](#)

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