

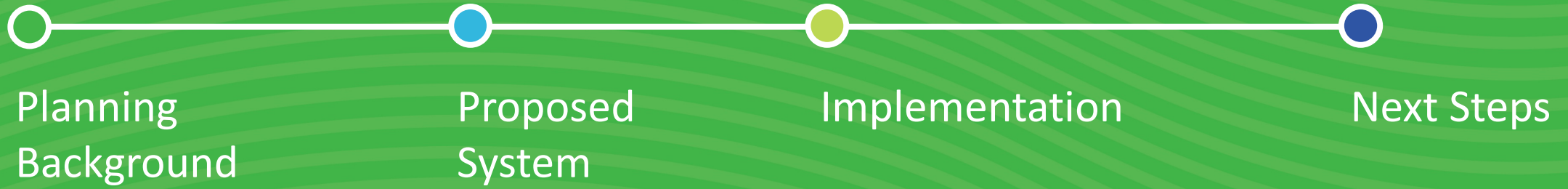


Winter 2021



Great Seneca

Science Corridor Transit Improvements



Agenda



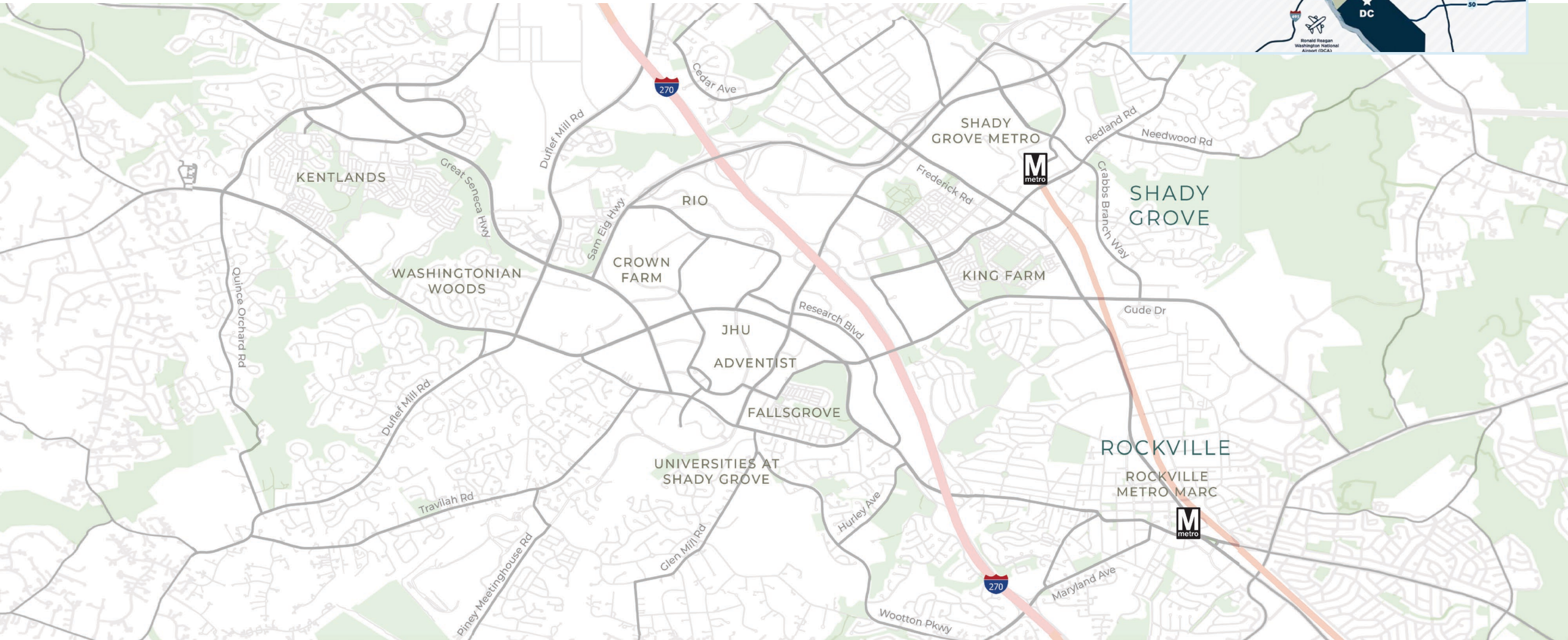
BACKGROUND

PROPOSED SYSTEM

IMPLEMENTATION

NEXT STEPS

Great Seneca Science Corridor Overview





GSSC's Needs and Opportunities

Unleashing Economic Recovery

Great Seneca Science Corridor is a key piece of the County's biotech, life sciences economy

Essential Workers and Essential Work

Health care, vaccine research, and education are all happening here

Neighborhood Connectivity

Need for direct bus transit for residents and workers to get to their destination



Planning Context



Great Seneca Science Corridor Master Plan defines a compelling, transit-oriented **vision** for a vibrant life sciences hub.



Corridor Cities Transitway remains the **long-term transit vision**, but implementation in the near-term is not realistic and quality transit is needed now.



Planning Context

NEED

Future development of GSSC depends on **getting commuters out of their cars** to meet staging requirements.

APPROACH

Recognizing a need for near-term improvements, MCDOT developed the framework for an enhanced bus network.

COORDINATION

MCDOT will work with stakeholders, including residents, businesses, and agencies, to advance this network.



Analysis to Develop Network

ROUTES

Analyzed ridership and origin-destination data for study area to confirm routes and stations.

STATIONS & IMPROVEMENTS

Ridership and route performance data were used **to confirm station locations and identify locations that could benefit from priority, low-cost treatments.**

NETWORK

Developed a set of network and corridor policy goals to inform system refinements.

Proposed System



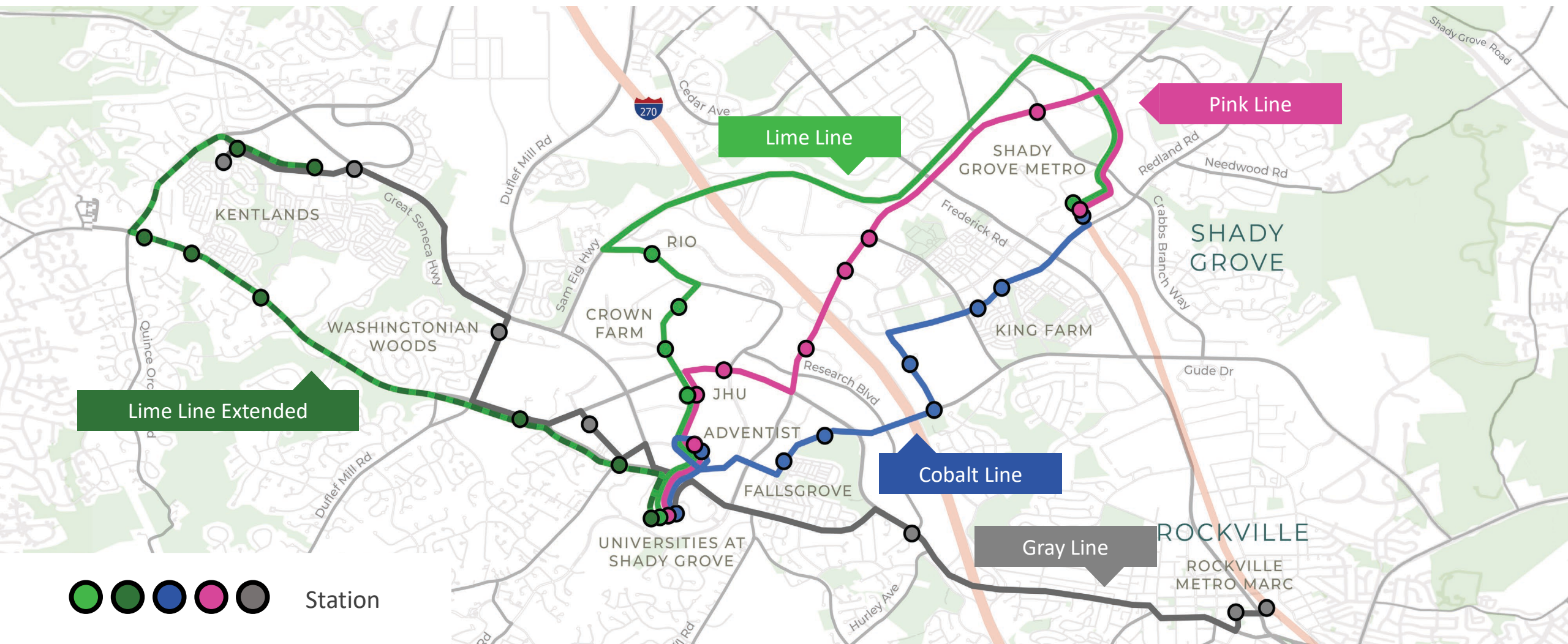
BACKGROUND

PROPOSED SYSTEM

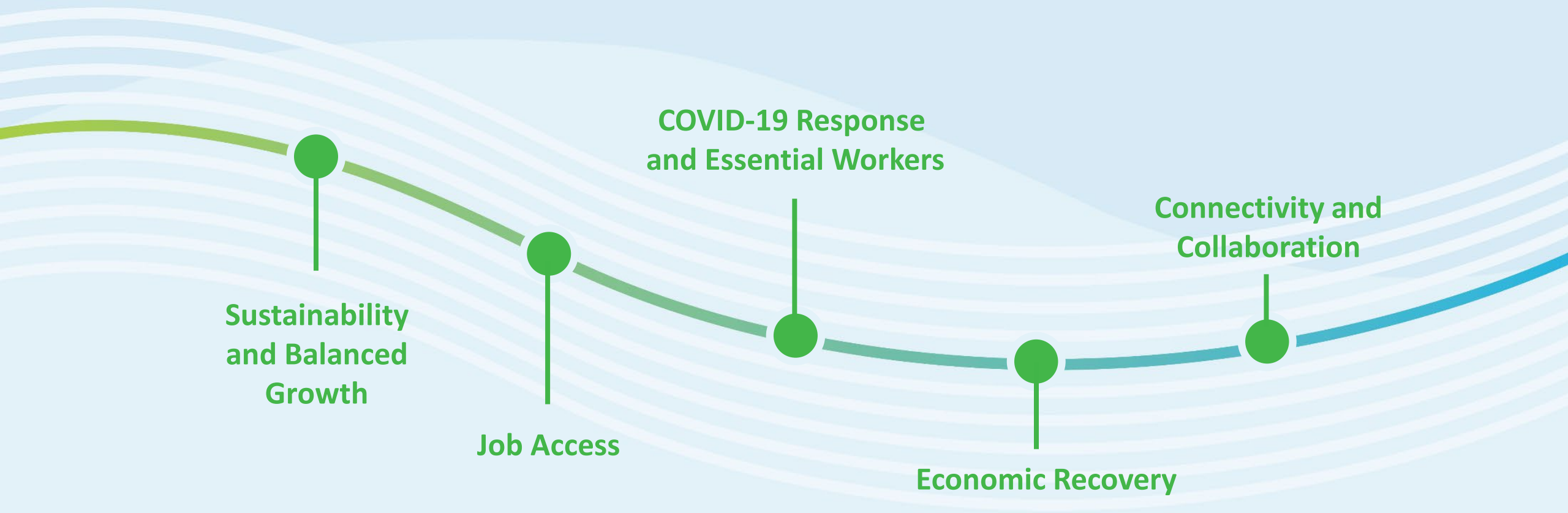
IMPLEMENTATION

NEXT STEPS

Great Seneca Science Corridor Transit Improvements

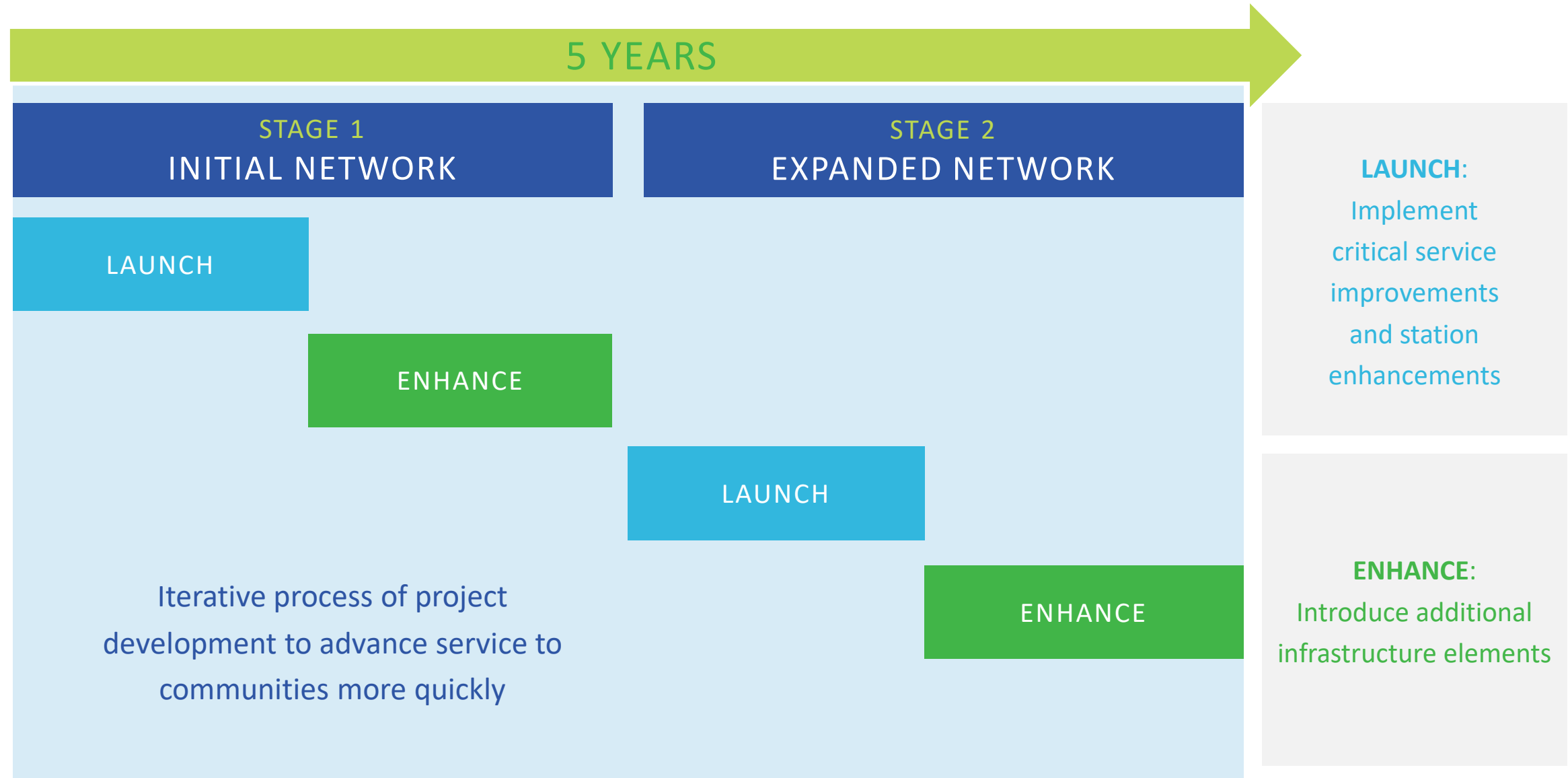


Network Goals





Approach to Rollout





Initial Network

Lime Line

Uses I-370 to provide express route to RIO, Crown Farm, and heart of Life Science Center.

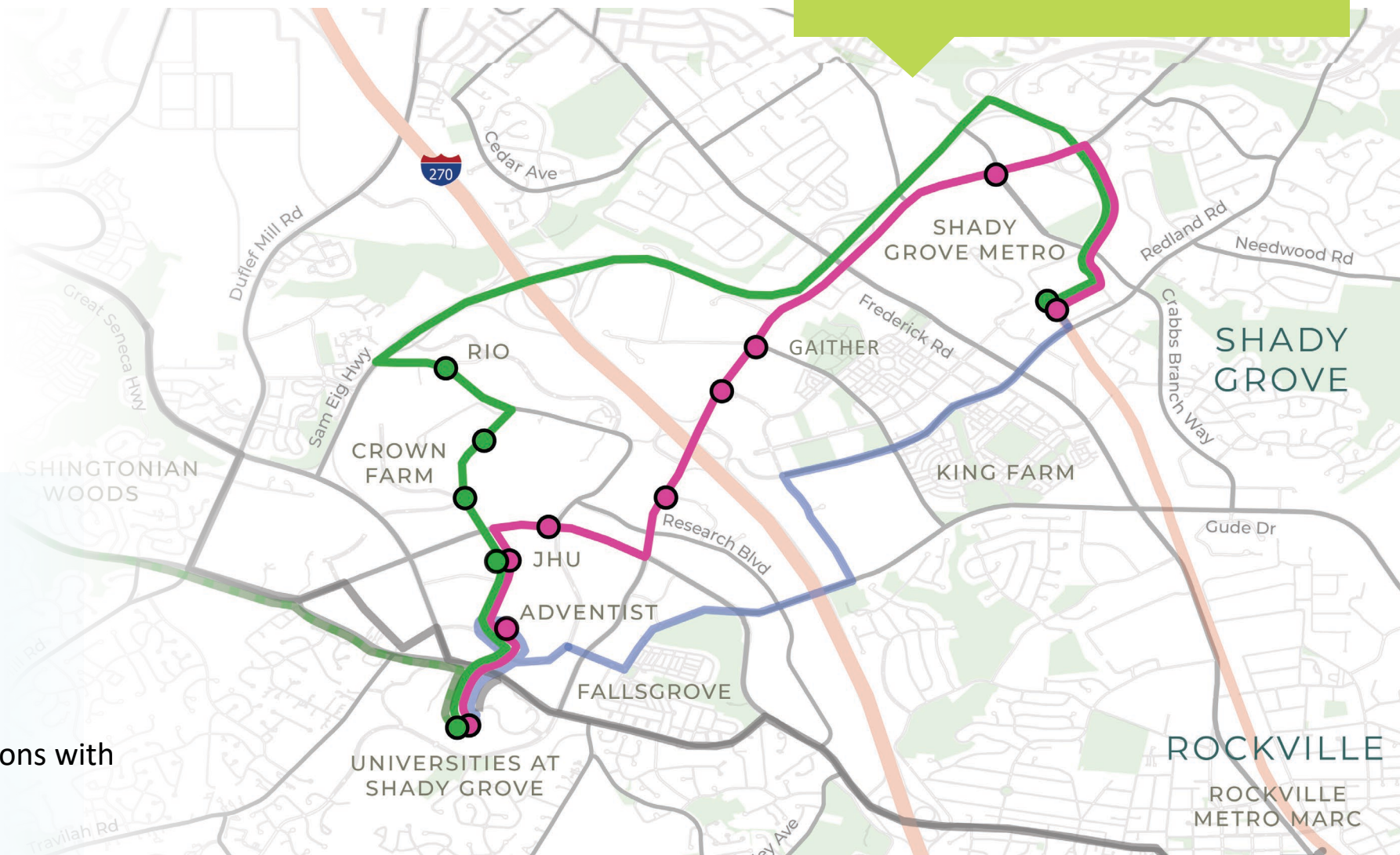
Pink Line

Links busy Shady Grove corridor with Life Sciences Center.

KEY FEATURES

- ✓ 1.75 miles of dedicated bus lanes
- ✓ Transit Signal Priority
- ✓ New roadway connections
- ✓ Distinctive, easily identifiable stations with passenger amenities

Initial routes build a network of direct routes to expand transit use in the GSSC Master Plan area. Both routes create hubs at Shady Grove Metro and Universities at Shady Grove.





Initial Network

LAUNCH IMPROVEMENTS

FIELDS ROAD (ELLINGTON BOULEVARD TO DISCOVERY DRIVE)

Repurpose curb lanes as exclusive bus-bike lanes



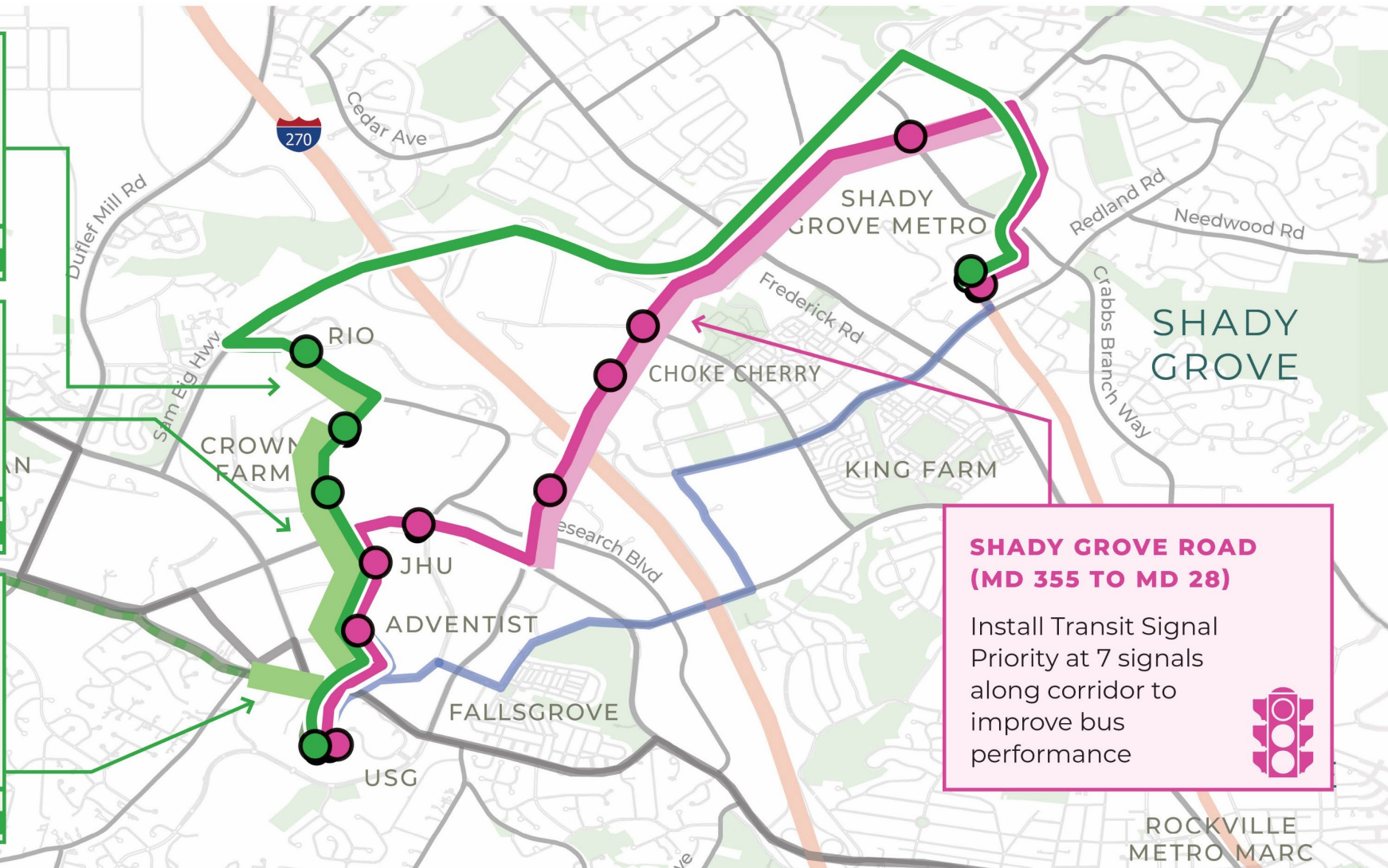
DISCOVERY DRIVE/ DIAMONDBACK DRIVE/ BROCHART ROAD

Repurpose curb lanes as exclusive bus-bike lanes



MEDICAL CENTER DRIVE (MEDICAL CENTER WAY TO GREAT SENECA HIGHWAY)

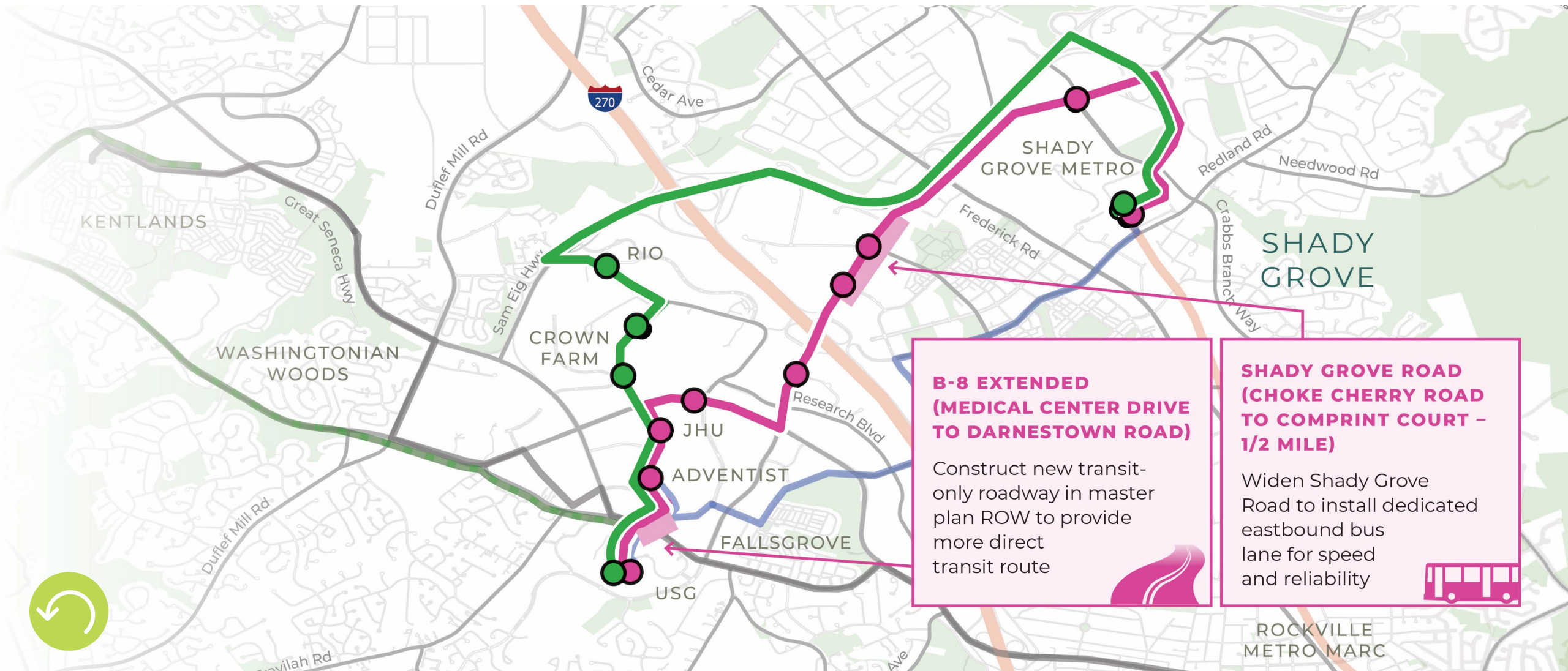
Repurpose curb lanes as exclusive bus-bike lanes



[BACKGROUND](#)[PROPOSED SYSTEM](#)[IMPLEMENTATION](#)[NEXT STEPS](#)

Initial Network

ENHANCE IMPROVEMENTS





Expanded Network

Expanded network creates effective connections from the Life Sciences Center in all directions, linking businesses and residents with Metro stations and multiple transit options.

Gray Line

Connects Kentlands to Life Sciences Center. Provides key east-west connection to Rockville

Cobalt Line

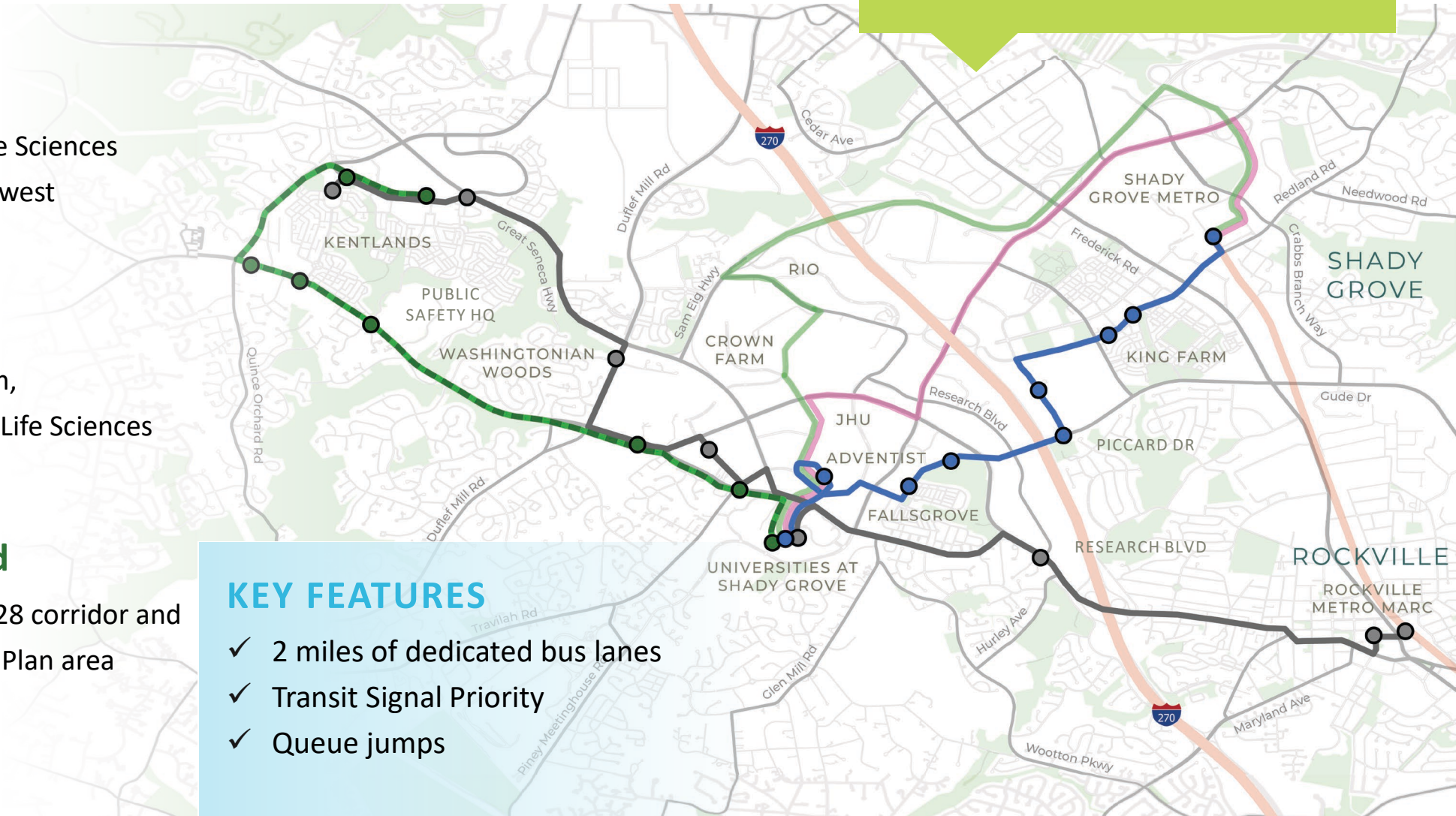
Links Falls Grove, King Farm, and Piccard corridor with Life Sciences Center

Lime Line Extended

Provides access to Route 28 corridor and west side of GSSC Master Plan area

KEY FEATURES

- ✓ 2 miles of dedicated bus lanes
- ✓ Transit Signal Priority
- ✓ Queue jumps





BACKGROUND

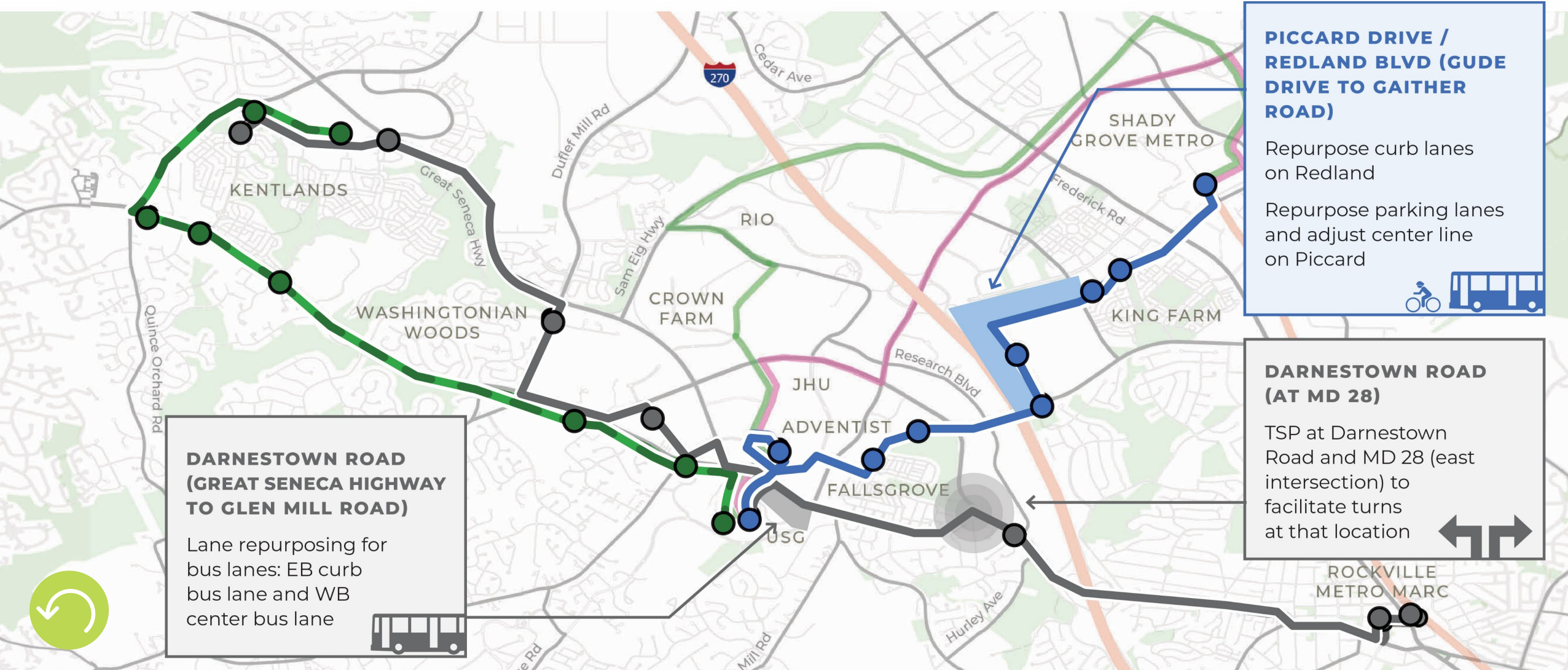
PROPOSED SYSTEM

IMPLEMENTATION

NEXT STEPS

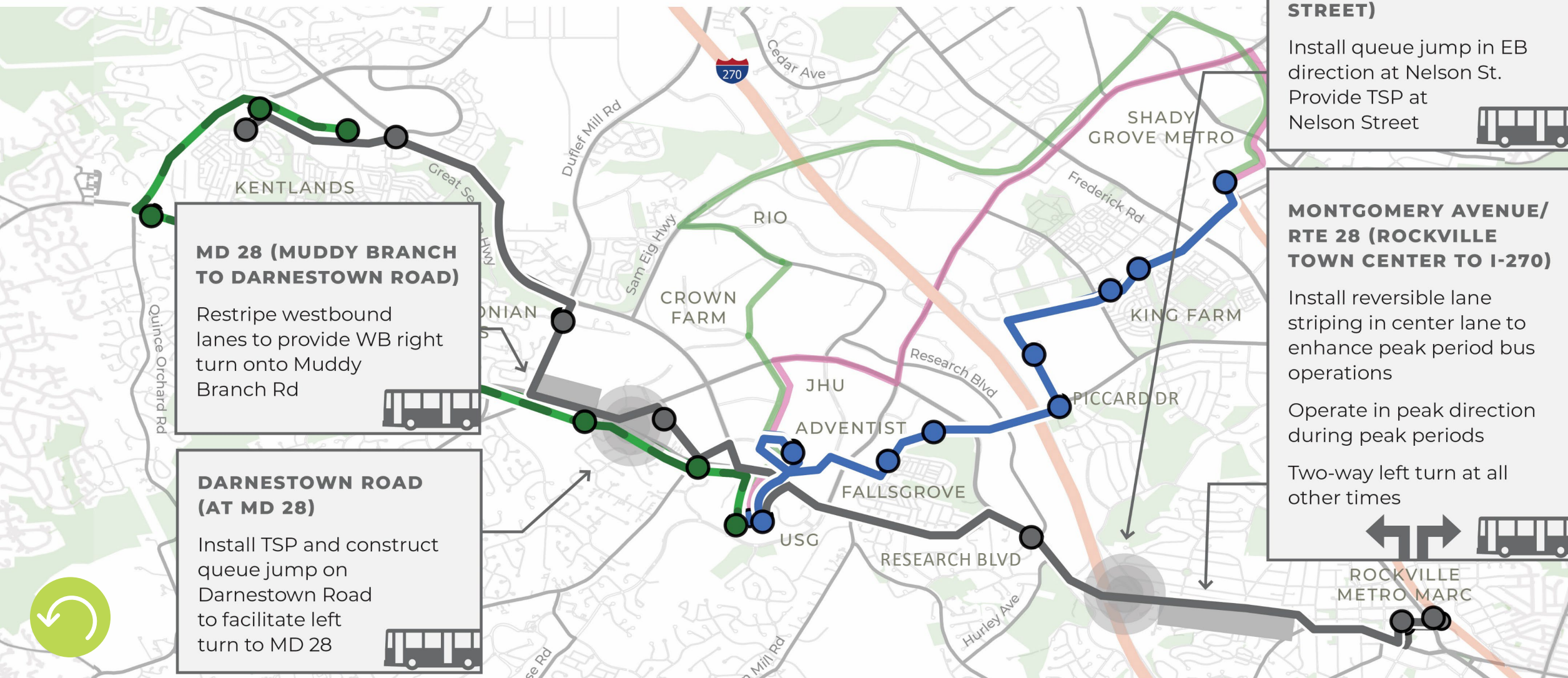
Expanded Network

LAUNCH IMPROVEMENTS



Expanded Network

ENHANCE IMPROVEMENTS





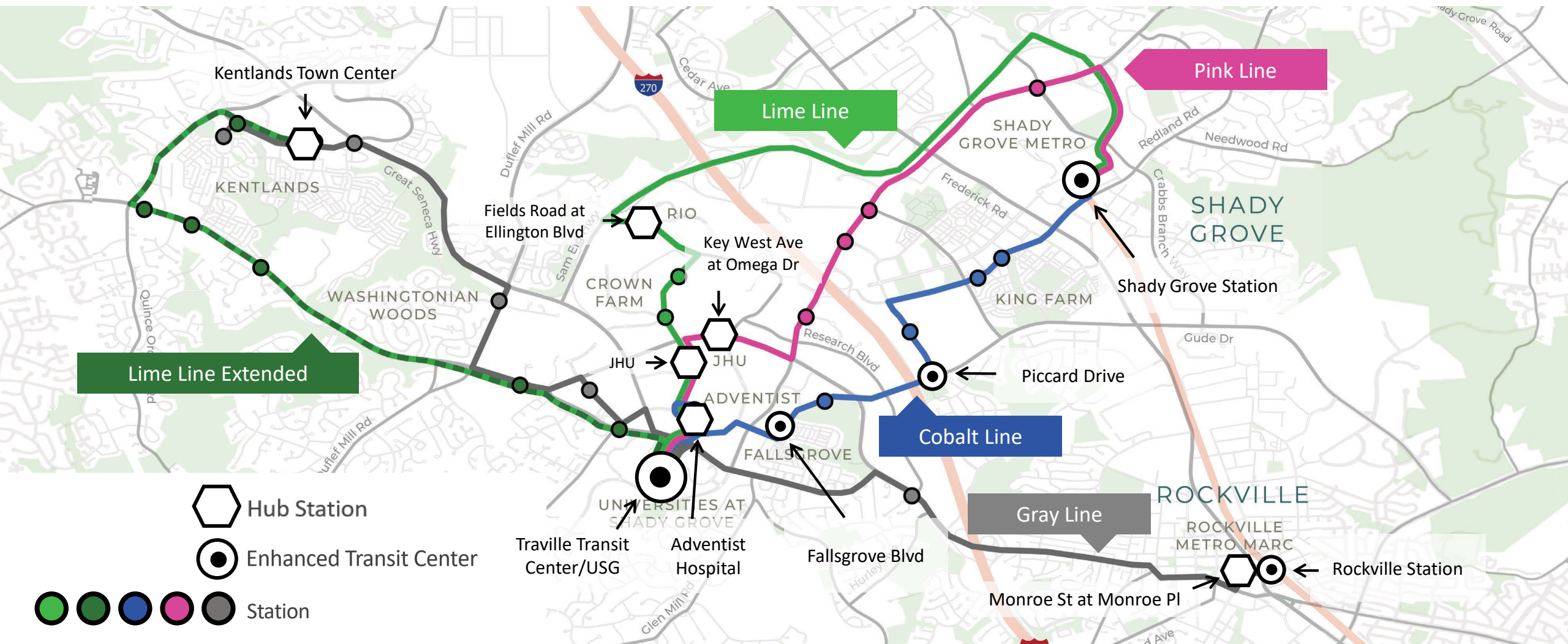
BACKGROUND

PROPOSED SYSTEM

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NEXT STEPS

Proposed Stations



Implementation



BACKGROUND

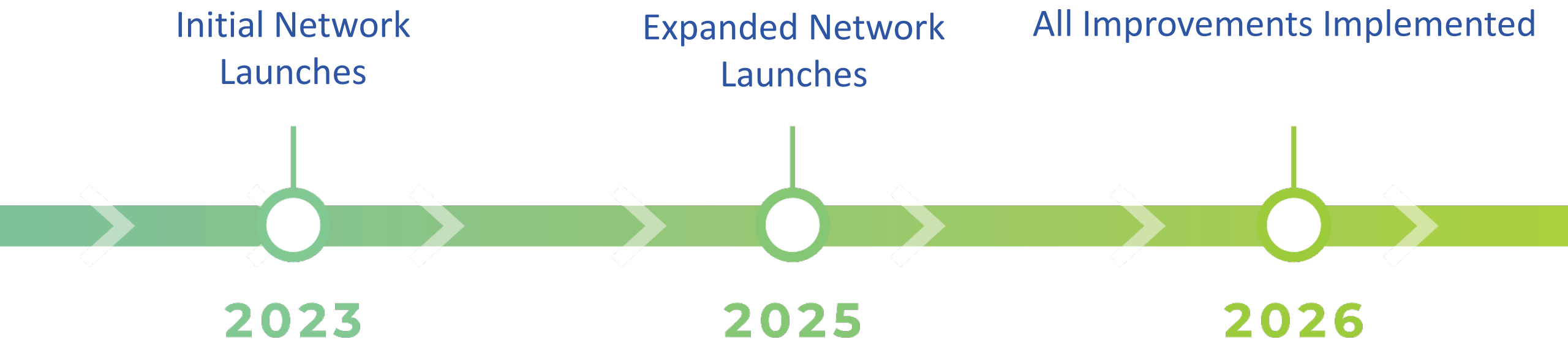
PROPOSED SYSTEM

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NEXT STEPS

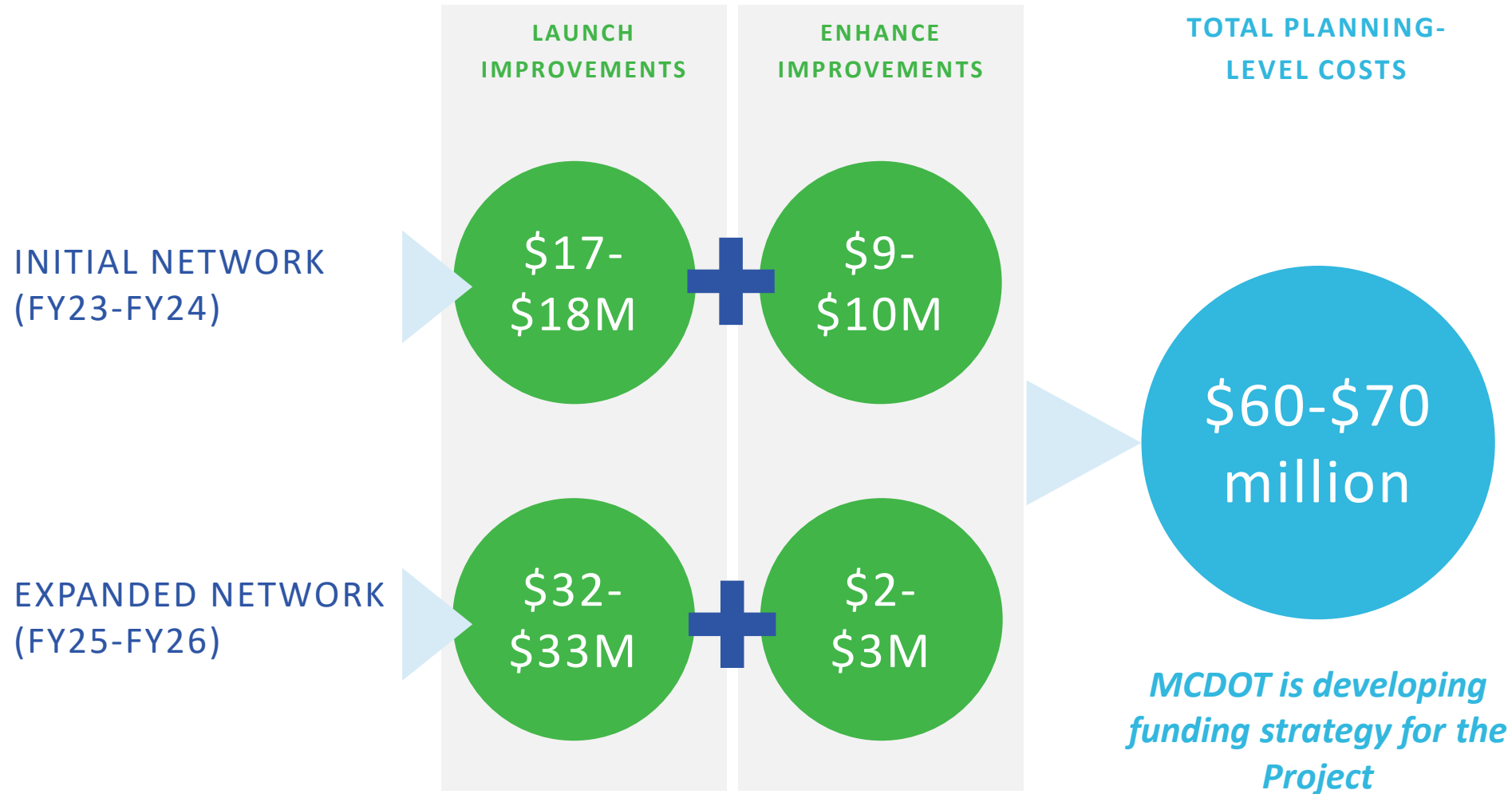
Great Seneca Science Corridor Transit (GSSCT) Service Implementation Timeline







Capital Costs



Next Steps



Next Steps

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MCDOT is meeting this with municipal, political, planning, community, and business representatives to collect feedback and build support for this initiative.





Next Steps


MCDOT is working to secure additional funding to advance this Project in the next fiscal year.

- Funding would support planning and design for the proposed route network and improvements, including opportunities for additional infrastructure.





Next Steps

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Project will serve as a **key element** of post-COVID economic recovery.

MCDOT requests your help in advancing the planning of this proposal to move the County forward.