



Great Seneca

Science Corridor Transit Improvements

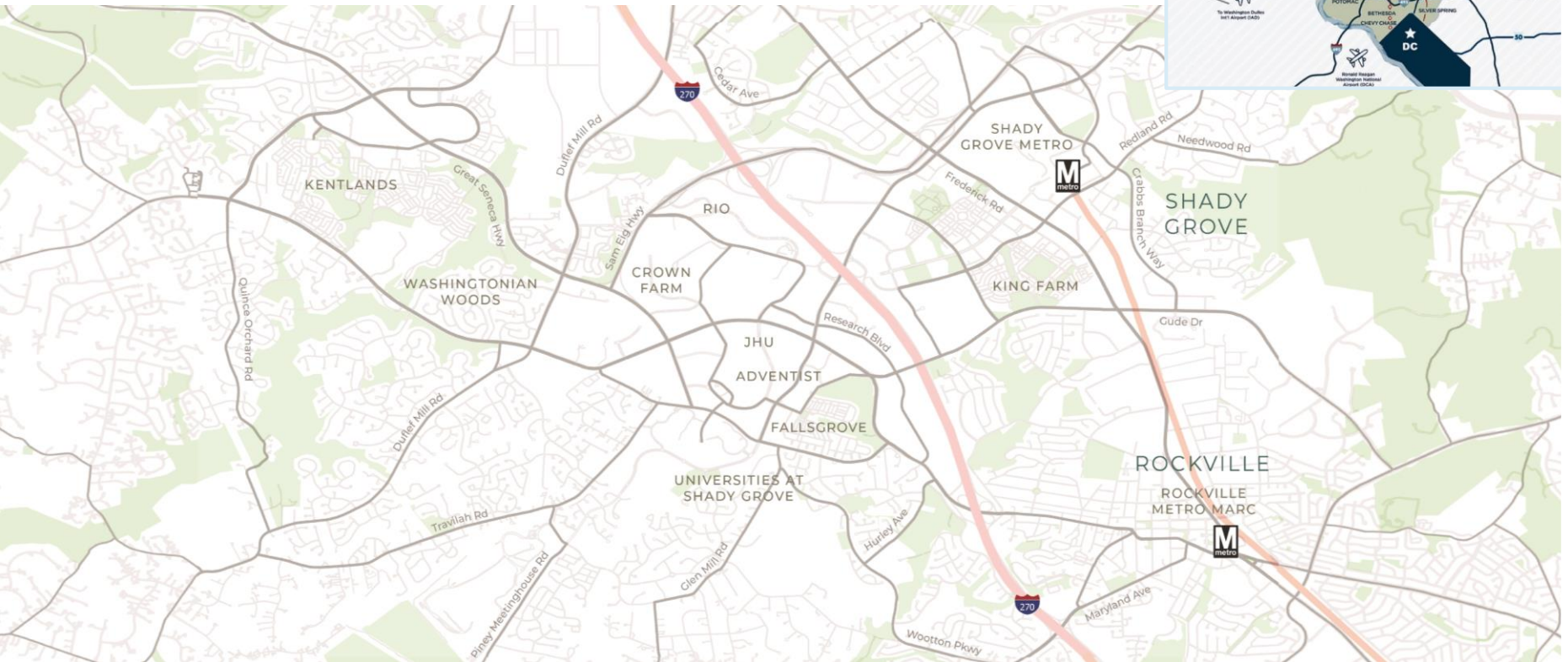
Monday, February 8, 2021



Agenda



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

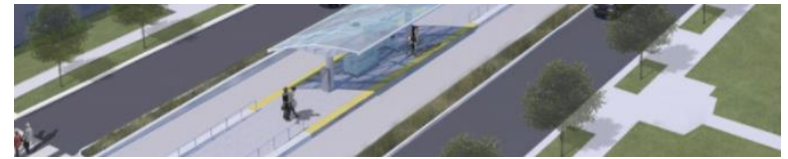
Need for direct bus transit for residents and workers to get to their destination



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.

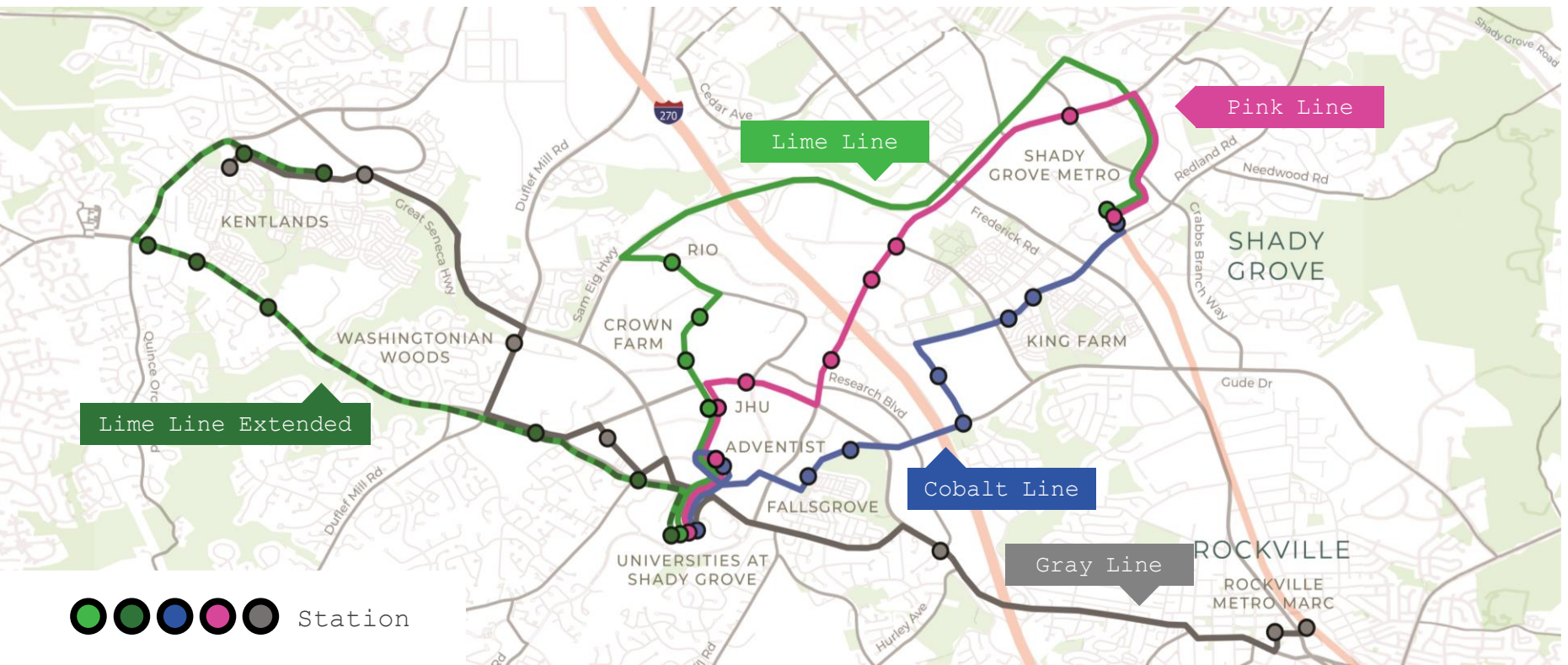
NETWORK

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

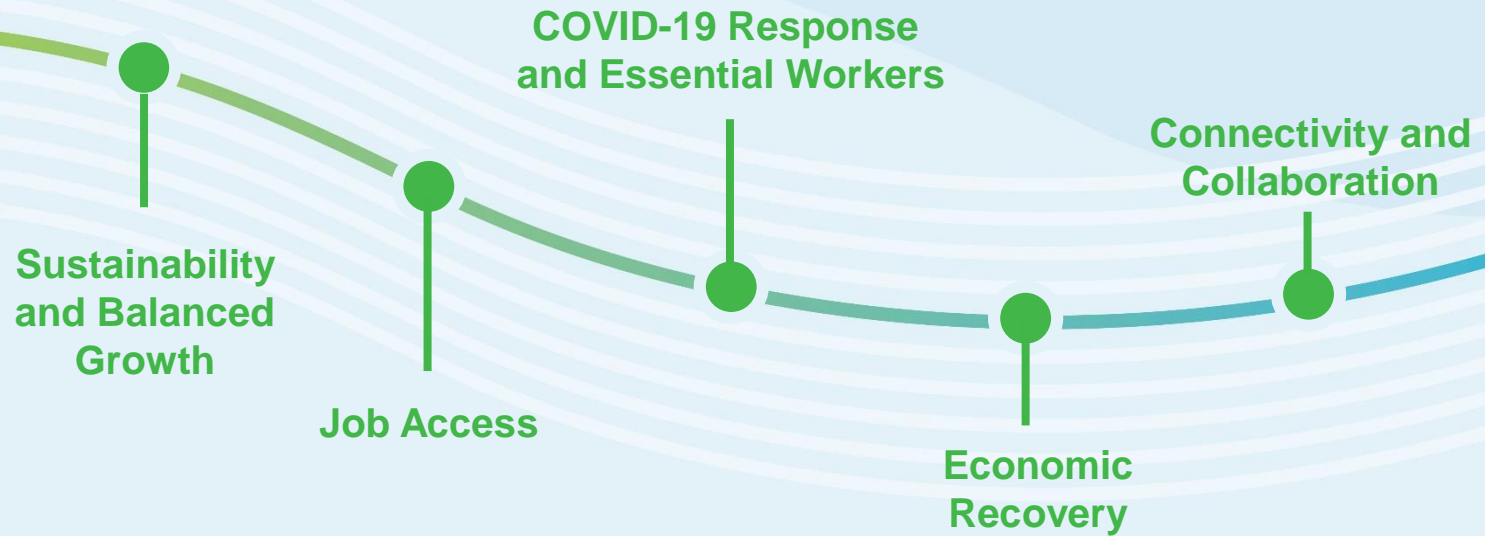
Proposed System



Great Seneca Science Corridor Transit Improvements

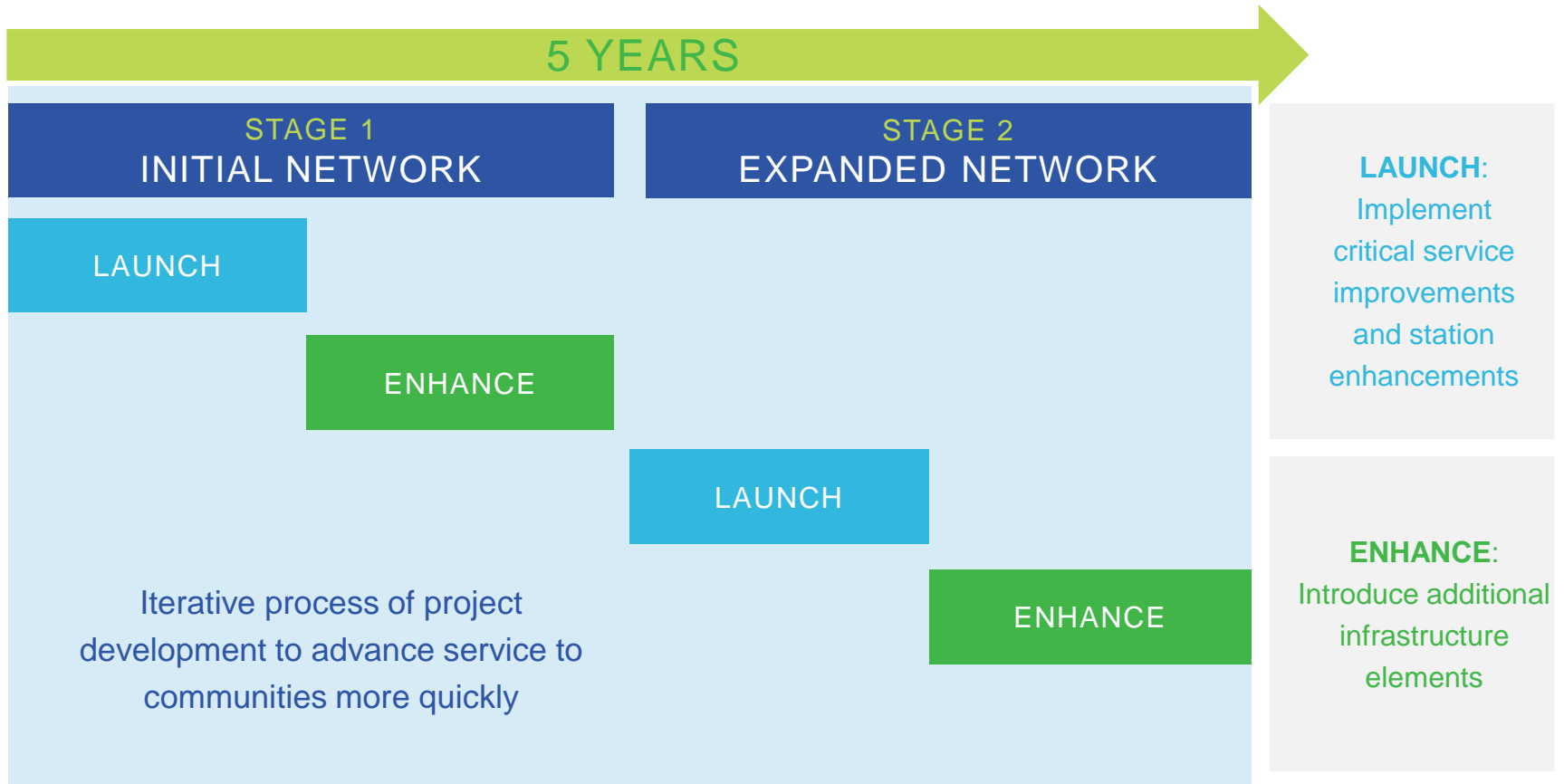


Network Goals





Approach to Rollout





Initial Network

Lime Line

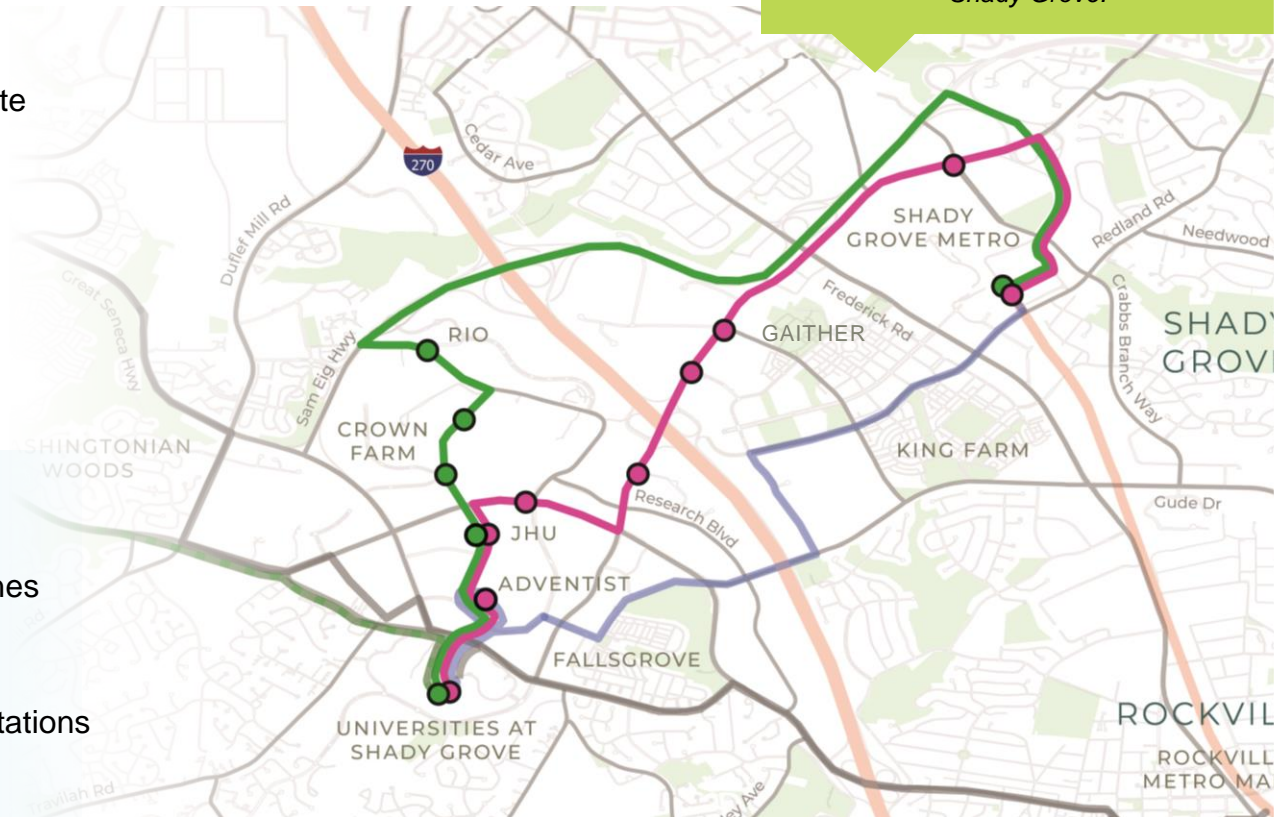
Uses I-370 to provide express route to RIO, Crown Farm, and heart of Life Science Center.

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 DISCOVERLY DRIVE)

Repurpose curb lanes as exclusive bus-bike lanes



DISCOVERLY DRIVE/ DIAMONDBACK DRIVE/ BROSCART 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



SHADY GROVE ROAD (MD 355 TO MD 28)

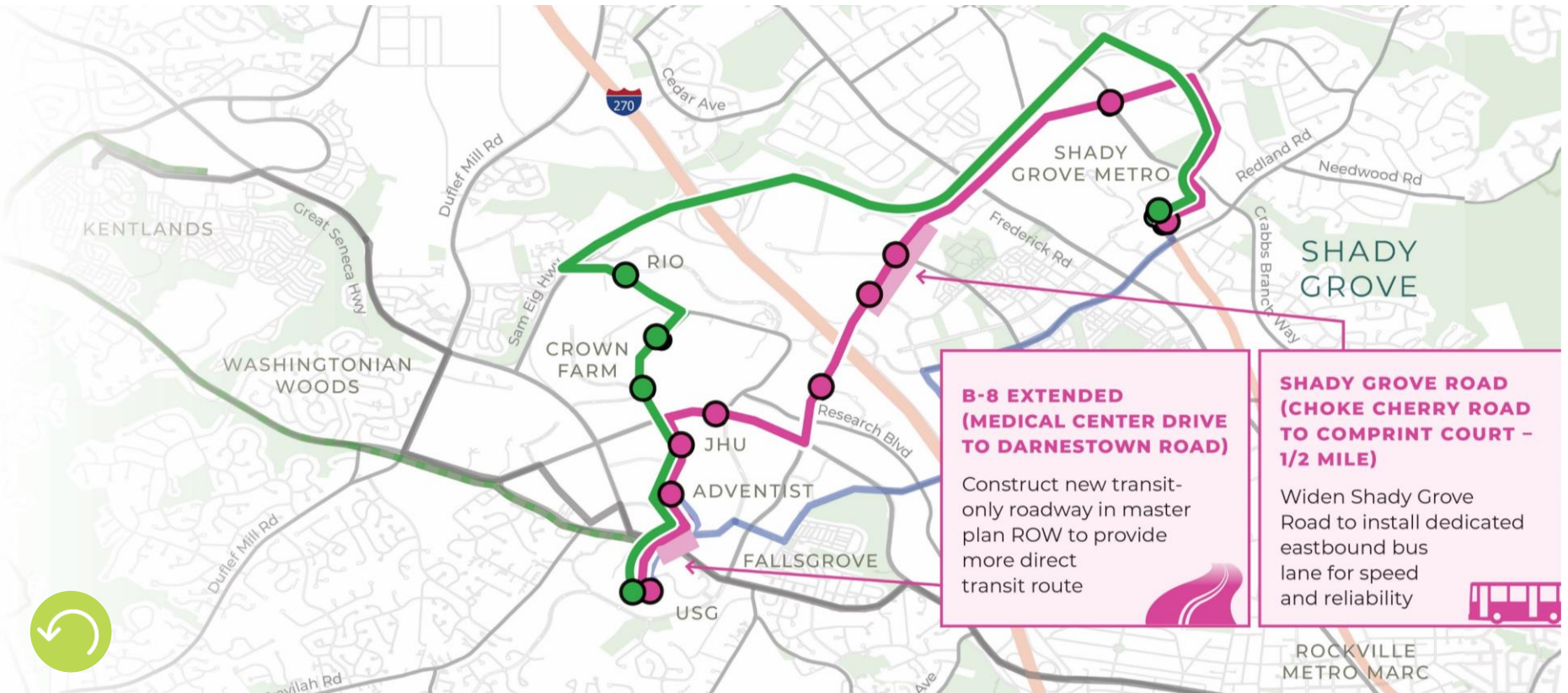
Install Transit Signal Priority at 7 signals along corridor to improve bus performance





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

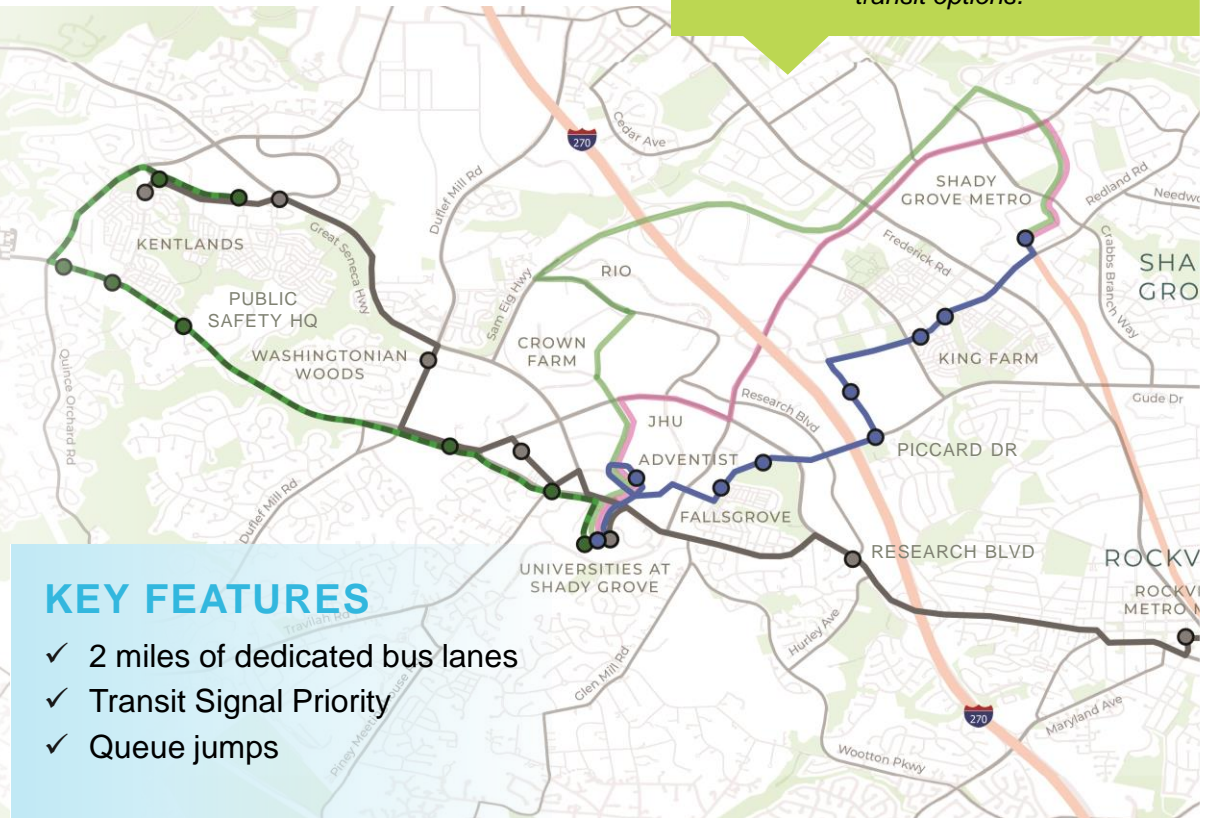
Links Falls Grove, King Farm, and Piccard corridor with Life Sciences Center

Lime Line Extended

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

KEY FEATURES

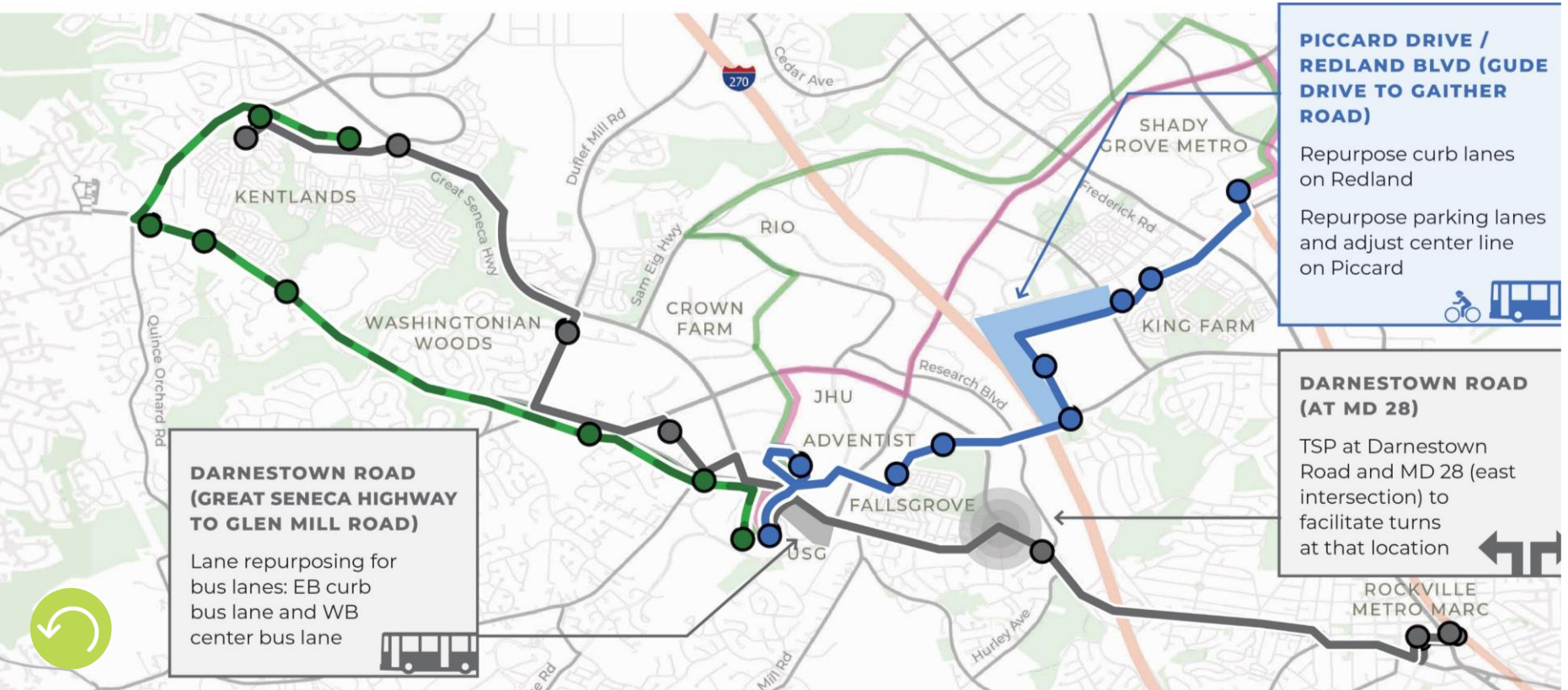
- ✓ 2 miles of dedicated bus lanes
- ✓ Transit Signal Priority
- ✓ Queue jumps





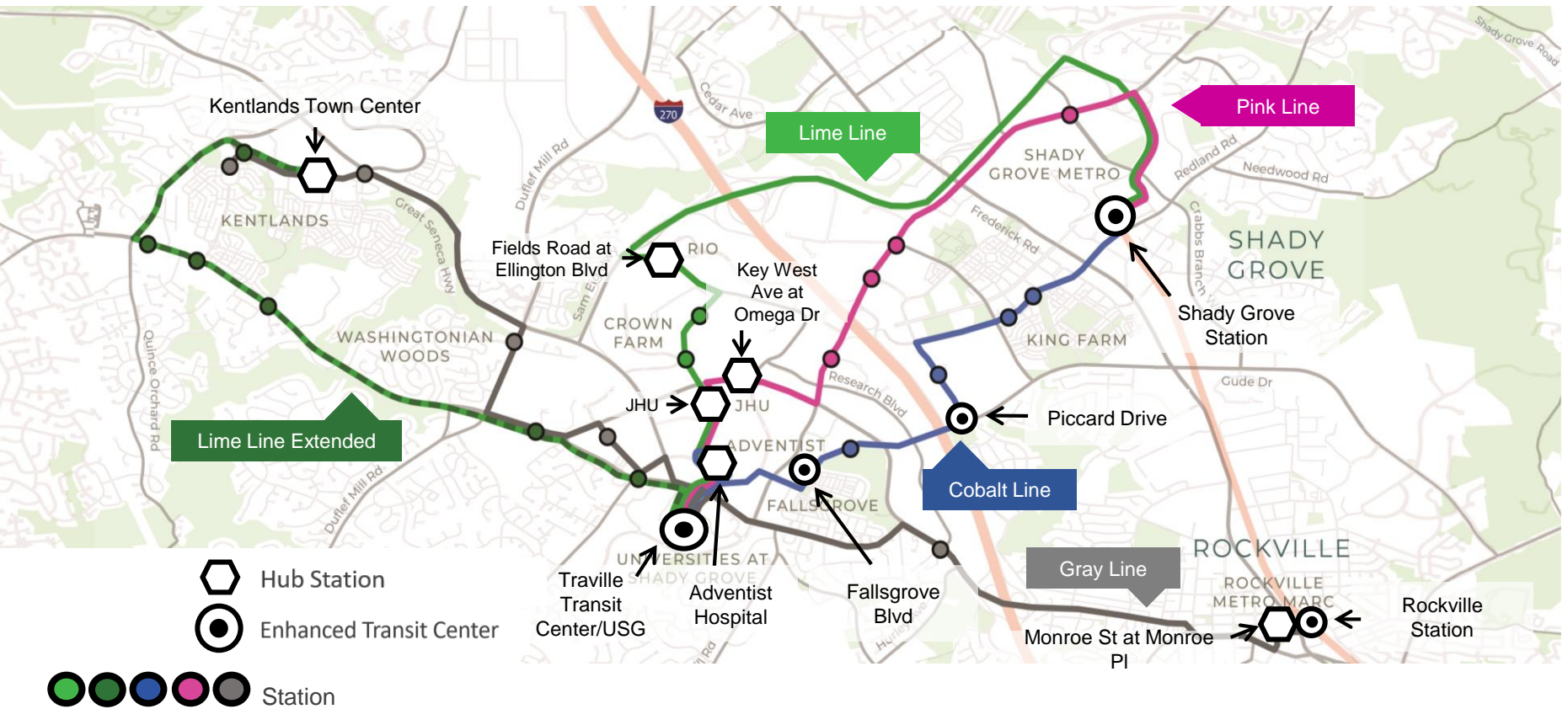
Expanded Network

LAUNCH IMPROVEMENTS





Proposed Stations

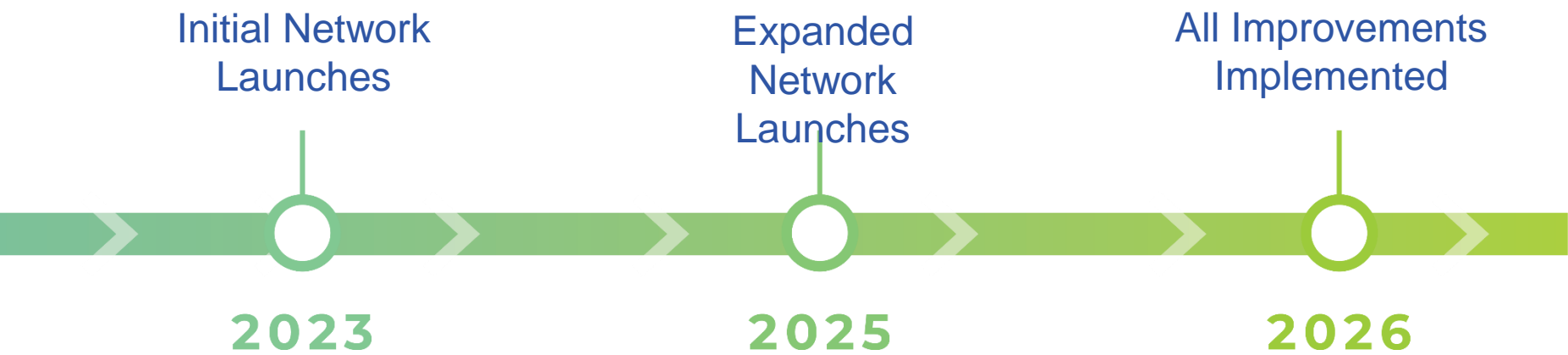


Implementation



Great Seneca Science Corridor Transit (GSSCT) Service Implementation Timeline

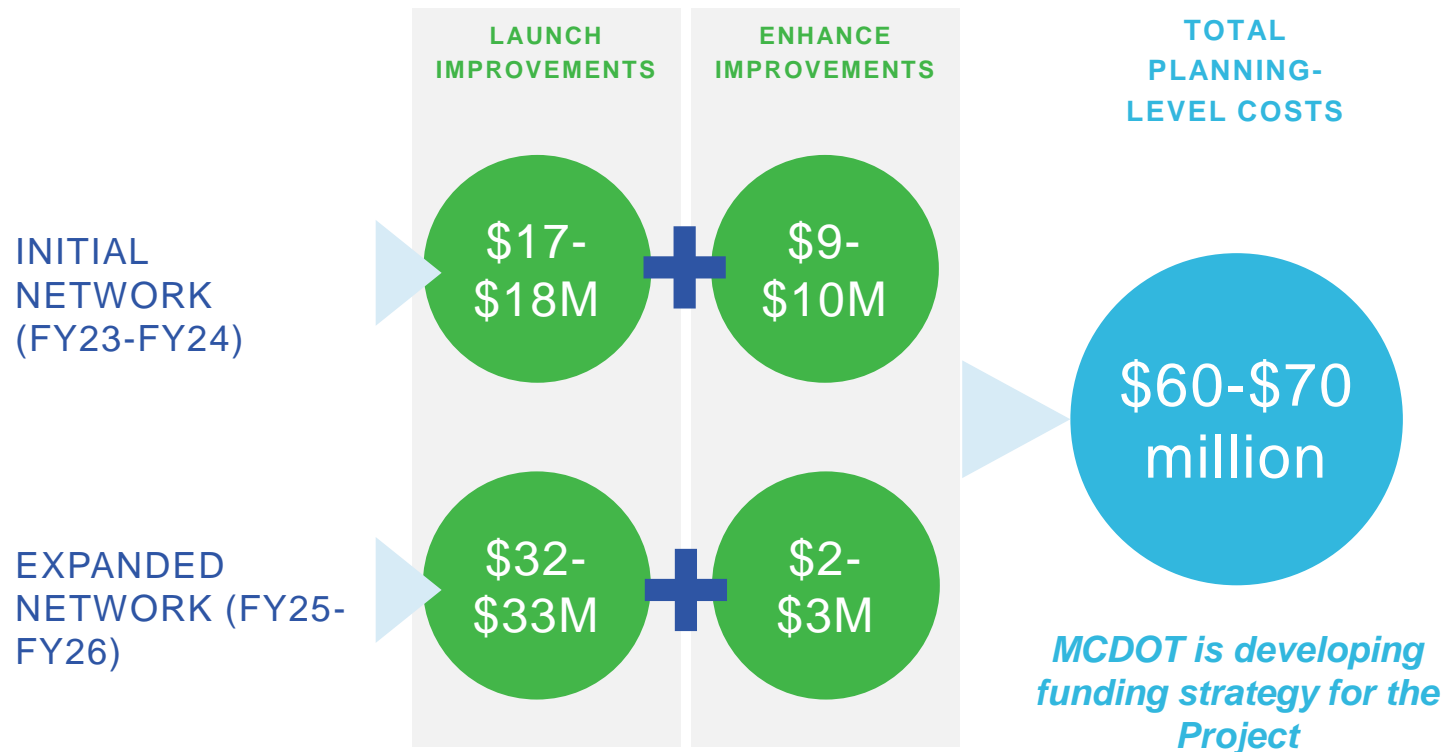




Attachment: Great Seneca Corridor Transit Improvements - PPT - 02082021 (2705 : MCDOT



Capital Costs



Next Steps



Next Steps



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.



Contact

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