

DISTRICT DEPARTMENT OF TRANSPORTATION



moveDC and a Climate-Ready District

*Madeline Hairfield, moveDC Planner
District Department of Transportation*

What is moveDC?

- moveDC is DDOT's long range transportation plan that sets the 25-year vision for the transportation system in Washington, D.C.
- Used to guide and prioritize investment and development
- moveDC was recently updated in December 2021. It will be updated again in 2026



The context for moveDC

- DDOT has goal of shifting to 75% non-auto commuter trips by District residents by 2032
- Demand for certain transportation modes have changed, and DDOT must adapt its assets to align with future challenges and opportunities
- Over the next 25 years, the District is projected to add more than 250,000 new residents, 90,000 housing units, and almost 200,000 new jobs



moveDC Goals

Safety



DDOT will design and manage a transportation network that offers safe and secure travel choices for all users, in accordance with Mayor Bowser's Vision Zero initiatives.

Equity



DDOT will advance transportation equity by evaluating its policies, planning, community engagement, and project delivery to ensure public investments in transportation justly benefit all residents, visitors, and commuters.

Mobility



DDOT will increase system reliability, improve accessibility and manage congestion through coordination, communication, and mobility options, providing safe and affordable travel choices for all users and trips.

Project Delivery



DDOT will complete projects on-time and on-budget while engaging and communicating with the community.

Management and Operations (State of Good Repair)



DDOT will ensure the state of good repair for existing assets by investing in maintenance and operations to address the greatest mobility needs.

Sustainability



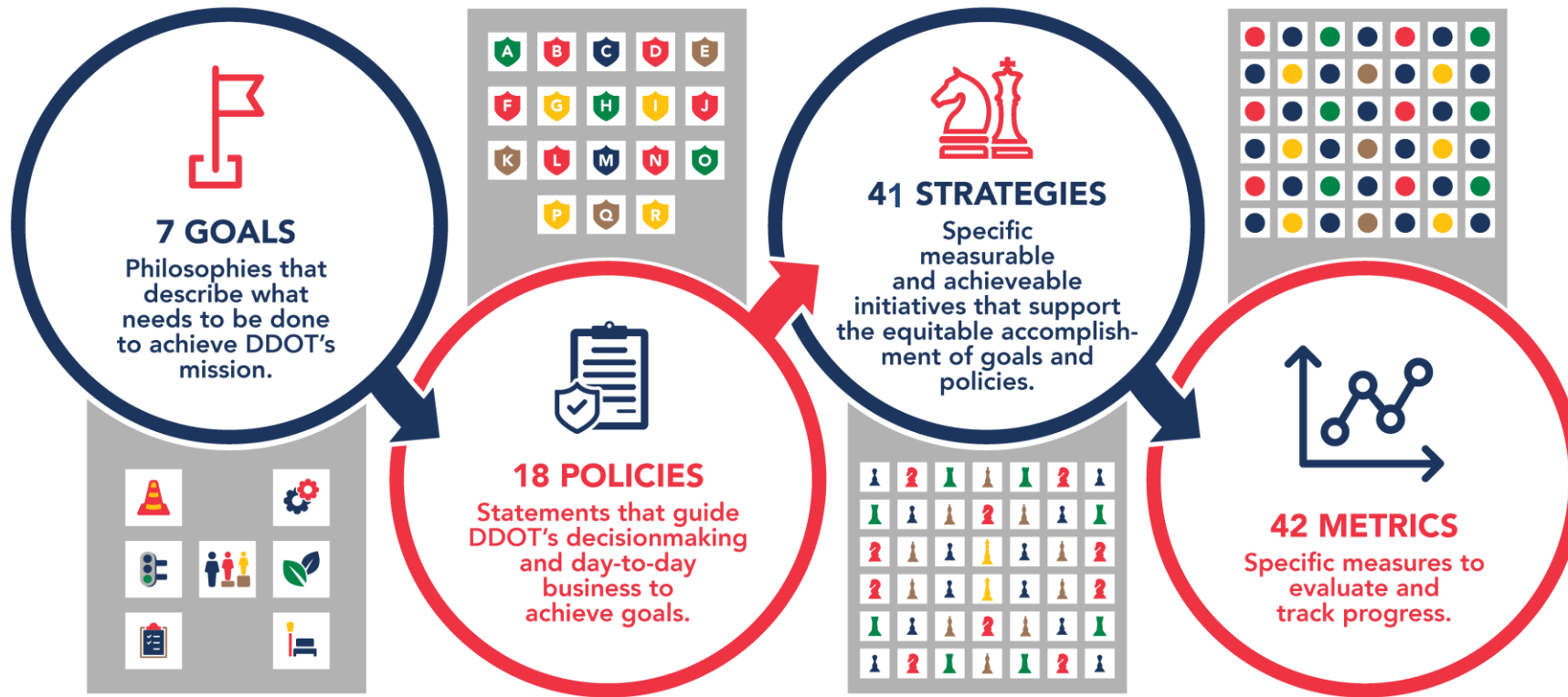
DDOT will manage and promote a transportation network that supports economic vitality and opportunity, reduces emissions, and strengthens resilience in the face of climate change, especially in historically under-resourced neighborhoods that may experience greater impacts.

Enjoyable Spaces

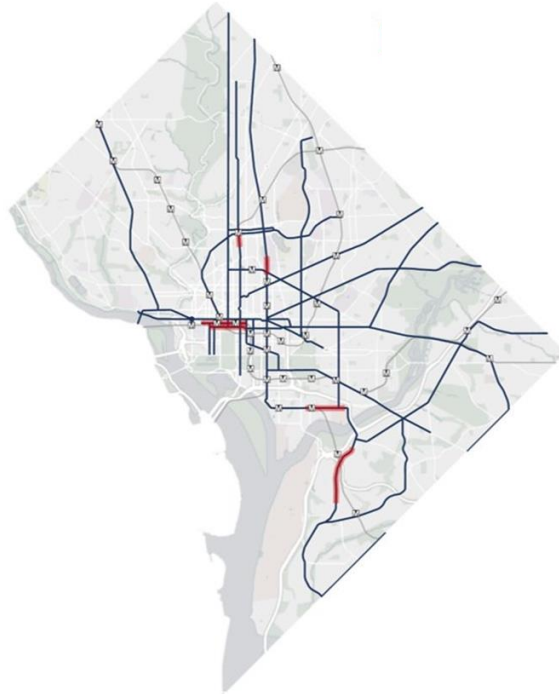


Public spaces and transportation systems managed by DDOT will be accessible, safe, and welcoming to residents, visitors, and commuters.

Interplay between moveDC elements



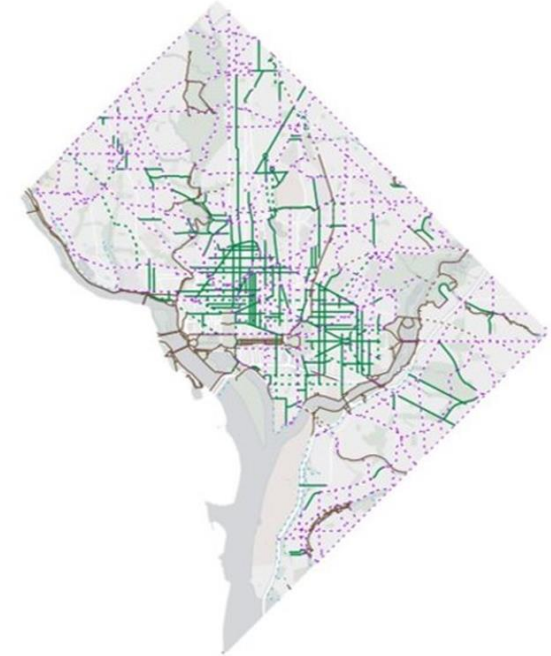
Mobility Priority Networks



Transit Priority Network



Freight Priority Network



Bicycle Priority Network

**Note: the mobility priority maps are NOT prescriptive*

How is moveDC progress being tracked?

- Each strategy has a series of metrics associated with it that track the progress of each strategy.
- The metrics, along with other information about strategy implementation, will be released in an Annual Report each year. The first ever Annual Report will be published soon!



How does moveDC work to shape DDOT's investments?

- Upon the 2021 update to moveDC, DDOT implemented a process to review all projects requesting funding against the moveDC goals: safety, equity, mobility, management & operations, sustainability, and enjoyable spaces
- This creates a list of projects that ensure the implementation of DDOT's goals that are submitted for inclusion in the District's Statewide Transportation Improvement Program (STIP). The STIP is a federally required multi-year listing of all upcoming projects that will be funded with federal dollars and/or that are regionally significant.
- The STIP is also available for public input and ultimately approved by the Federal Highway Administration and Federal Transit Administration
 - The most recent STIP was approved in September 2022 for fiscal years 2023-2026.



How is moveDC working to ensure the District is climate-ready?

moveDC helps support two essential functions at DDOT that relate to climate change:

Modernizing existing assets to be more resilient

- Decreased flooding events
- Ensuring that the District's power grid is less susceptible to outages
- Creating more capacity in the District to support electric vehicles

Creating and providing sustainable infrastructure for a multimodal transportation system

- Strengthening the network of protected bikeways
- Dedicated bus lanes
- Micromobility programs




moveDC and Modernizing Assets

Strategy #18:

EXPAND STREET TREE COVERAGE

Cover 40 percent of the District with a healthy tree canopy by 2032 to enhance sidewalks, walkability, and neighborhood amenities.

Implementation Steps

-  Develop initial baseline inventory of healthy tree canopy
-  Develop plan to identify and prioritize projects to increase healthy tree canopy; begin implementing the plan to increase healthy tree canopy projects
-  Implement projects; track, monitor, and report

You can see DDOT's progress on the DDOT Urban Forestry GIS site: [Trees.dc.gov](https://trees.dc.gov)






moveDC and Modernizing Assets

Strategy #24:

IMPROVE RESILIENCY OF TRANSPORTATION INFRASTRUCTURE

Establish a partnership with the Department of Energy and Environment (DOEE) to develop guidelines and an action plan for improving the resiliency of the District's transportation network and for increasing preparedness of new and existing transportation infrastructure.

Implementation Steps

-  1-2 Define assets at risk and create GIS inventory; develop guidelines and action plan for improving resiliency
-  3-5 Create dashboards to measure progress toward adaptation goals
-  Maintain dashboards

You can track the progress of our resiliency effort to underground electric feeders here: dcpluginfo.com






moveDC and Modernizing Assets

Strategy #33:

UPDATE DDOT FLEET AND DC CIRCULATOR BUSES TO BE ELECTRIC

Implement the DC Circulator electrification plan and electrify the District-owned bus fleet by 2027. Convert 50 percent of the DDOT fleet to electric by FY 2023.

Implementation Steps




-  1 Conduct a cost/benefit analysis for a transition to an electric fleet
-  1-2 Create a fleet replacement program
-  1 Implement the fleet replacement program

Strategy #34:

SUPPORT ELECTRIC VEHICLE USE WITH MORE CHARGING FACILITIES

Determine the demand for electric chargers. Encourage developers to provide electric chargers where demand is identified. Allow electric chargers in the public right-of-way through a permit process.

Implementation Steps

-  1 Document the number of electric vehicles and chargers in the District and surrounding jurisdictions
-  1-2 Assess the demand for electric charging stations; develop materials and conduct outreach to encourage developers to construct electric charging stations
-  1 Track, monitor, and report; coordinate between DDOT and surrounding jurisdictions to share data

You can track DDOT's EV Implementation on our site: nevi.ddot.dc.gov



d. GOVERNMENT OF THE DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

d. GOVERNMENT OF THE DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

moveDC and the Multimodal Network

Strategy #21:

INSTALL MORE PROTECTED BICYCLE LANES

Complete 20 miles of protected bicycle lanes by FY 2022, after which install at least 5 miles annually.

Implementation Steps

- 1-2 Identify list of new protected bicycle lane projects; create dashboard on the number of protected bicycle lanes
- 📅 Implement new protected bicycle lane projects; track, monitor, and report; maintain dashboard

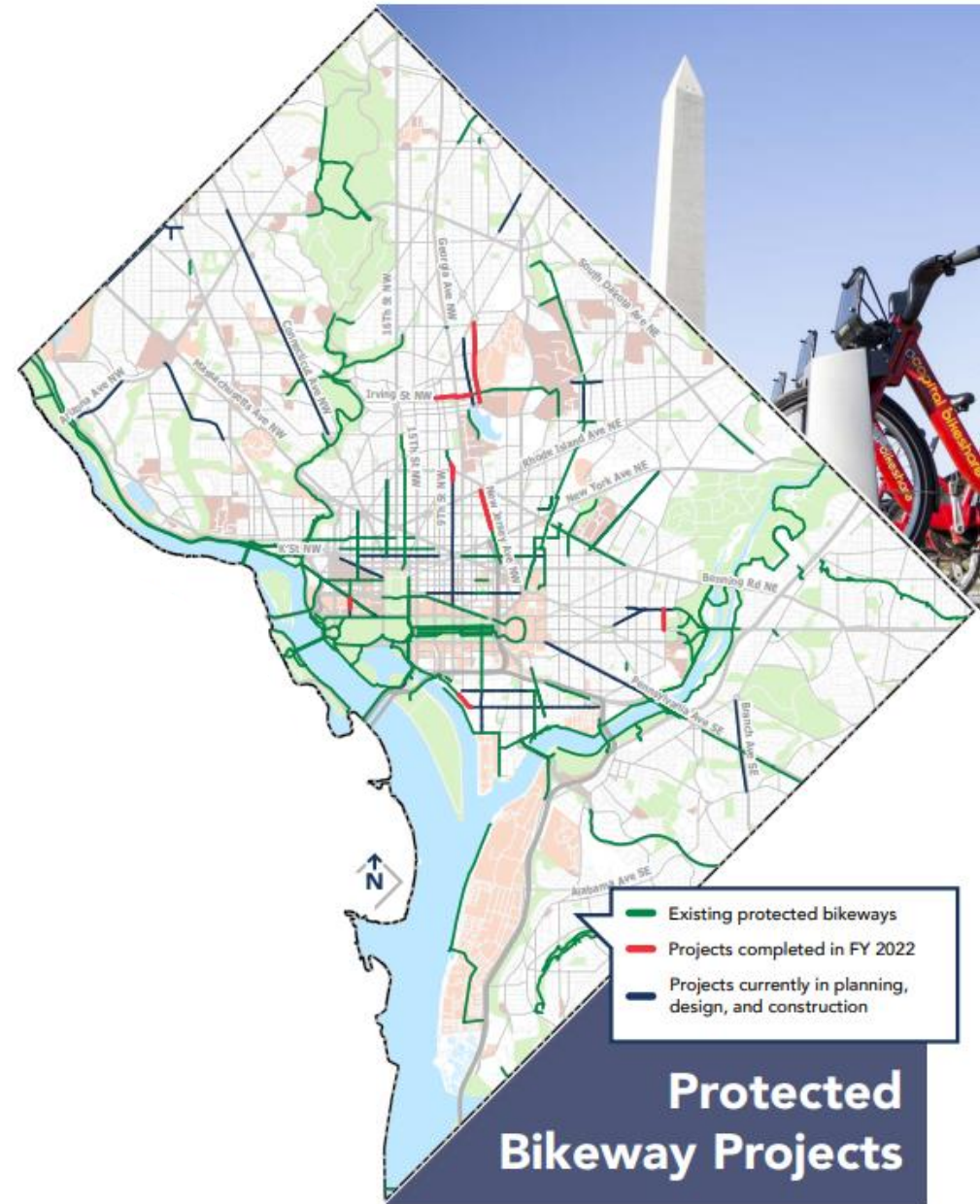
Strategy #22:

BUILD MORE TRAILS IN THE CAPITAL TRAILS NETWORK

Prioritize construction of the Capital Trails Network. Develop a method to measure the extent to which a project improves trail network connectivity. Include features in the design of trails that enhance the safety, comfort, and orientation of users (e.g. wayfinding, lights, and mile markers).

Implementation Steps

- 1-2 Include trails in capital program; create methodology to measure connectivity in trail network; define and identify critical gaps in network
- 📅 Implement new trail or trail connection projects







moveDC and the Multimodal Network

Strategy #32:

CREATE MORE DEDICATED BUS LANES

Expand the transit priority network by building dedicated bus lanes.

Implementation Steps

-  Document the existing transit priority network
-  Develop plan to expand the transit priority network
-  Implement a total of 25 lane-miles by FY 2025
-  Track, monitor, and report



FACT: According to the 2021 ACS 1-year estimates, 74.4% of District residents commuted to work using a mode other than a single occupancy vehicle.

Learn more about our bus priority program here: <https://ddot.dc.gov/page/bus-priority>






moveDC and the Multimodal Network

Strategy #23:

ADD MORE BIKESHARE STATIONS AND IMPLEMENT PROGRAMS TO INCREASE THEIR USE

Expand the Capital Bikeshare system to make it more accessible and develop programs to increase the number of people who use it.

Implementation Steps



-  Create baseline of missing coverage and accessibility
-  Develop an implementation plan; develop metrics and dashboards to monitor performance; increase enrollment in Capital Bikeshare for all by 1 percent annually and engage in targeted outreach to women and minority communities
-  Introduce adaptive bicycle program; install new stations so that 90 percent of District residents live within a quarter-mile walk of a station
-  Fully implement an adaptive bicycle rental program for District residents and ensure that 25 percent of the Capital Bikeshare fleet is electric bicycles
-  Track, monitor, and report; install bikeshare stations in deficient areas; implement electric bicycles

Strategy #29:

INCREASE ACCESS TO SHARED MOBILITY

Ensure that all public space permits issued to private mobility operators require vehicle distribution throughout the District and offer incentives that encourage use by low-income residents.

Implementation Steps

-  Develop and update requirements for mobility providers; develop dashboards
-  Maintain dashboards



DC Micromobility Dashboard: <https://public.ridereport.com/dc>

Capital Bikeshare System Map: <https://account.capitalbikeshare.com/map>

Contact Info

Madeline Hairfield, moveDC Planner: madeline.hairfield@dc.gov

moveDC Website: movedc.dc.gov



District Department of Transportation

250 M St SE | Washington, DC 20003 | 202.673.6813