

DISTRICT DEPARTMENT OF TRANSPORTATION

Infrastructure Project Management Administration Program and Upcoming Opportunities



*Richard Kenney, P.E.
Chief Engineer
September 14, 2023*

Agenda

- moveDC
- IPMA Program
- Safety – MOT Guidelines for Pedestrians and Cyclists
- Project Opportunities
 - ✓ Near Term
 - ✓ Future
- Competitive Grant Funding
- Opportunities For Improvement



Source: DDOT Webpage ddot.dc.gov



Source: DDOT Webpage ddot.dc.gov



Source: <https://dcstreetcar.com/about-dc-streetcar/>



Goals

- Safety
- Equity
- Mobility
- Management and Operations
- Project Delivery
- Sustainability
- Enjoyable Spaces

moveDC includes

- Eighteen policies that define how the goals will be achieved
- Forty-one strategies for accomplishing the policies to support the achievement of the goals

"moveDC reflects our commitment to not only provide excellent transportation facilities and services, but to deliver them in a manner that addresses structural injustices and inequities."

Mayor Muriel Bowser

"Equity will be considered in everything we do – moveDC will ensure our investments in transportation benefit all residents, visitors, and commuters."

DDOT Director Everett Lott

IPMA Program

- Responsible for the design, engineering, and construction of infrastructure within the District of Columbia
- Manage special construction projects and roadway assets
- Majority of work is managed and executed by four ward-based teams
 - Team 1: Huntae Kim, P.E. - Wards 1 & 2
 - Team 2: Zahra Dorriz, P.E. – Wards 3 & 4
 - Team 3: Ali Shakeri, P.E. – Wards 5 & 6
 - Team 4: David Tackoor, P.E. – Wards 7 & 8
- Anacostia Waterfront Initiative (Ravindra Ganvir – Deputy Chief Engineer)
 - Mega/Special Projects (Anthony Soriano)
 - Stormwater, Hydraulics, and Green Infrastructure (Eijigineh Simie)
 - Right-of-Way (Currently Vacant)
 - Utilities (Ronald Williams)
 - QA/QC (Rezene Madhani)

District's approved budget for DDOT in FY 2024 includes a \$201 million operating budget and a \$694m capital budget

Under the *Infrastructure Investment and Jobs Act of 2021*, nearly \$3.4 billion in federal formula funding will be allocated to the District of Columbia over five years for local infrastructure projects

**Key DDOT Program
Priorities Funded!**

**Substantial Federal
Investment**

The FY 2024 – FY 2029 Capital Improvements Plan (CIP)

- **\$590.3m for bridge rehabilitation and replacement**, including \$220.0 million for replacement of the H Street Bridge; \$211.1 million for reconstruction of the Benning Road Bridges; and \$151.3 million to rehabilitate the Theodore Roosevelt Memorial Bridge
- **\$568.4m for local streets and alleys**
- **\$257.2m** to improve safety and mobility, including \$90.9 million to install traffic safety infrastructure around schools
- **\$236.5m for new or rehabilitated trail segments**, including \$52.0 million for the Long Bridge pedestrian and bicycle connection; \$45.9 million for the Shepherd Branch Trail; \$36.5 million for the Anacostia River Trail; \$36.5 million for the Metropolitan Branch Trail; and \$25.4 million for the Suitland Parkway Trail
- **\$199.8m** for streetscapes projects
- **\$87.8m** for utilities, including \$57.8 million for placing select power feeders underground

Source: FY 2024 Approved Budget and Financial Plan – Volume 5

Competitive Grant Funding

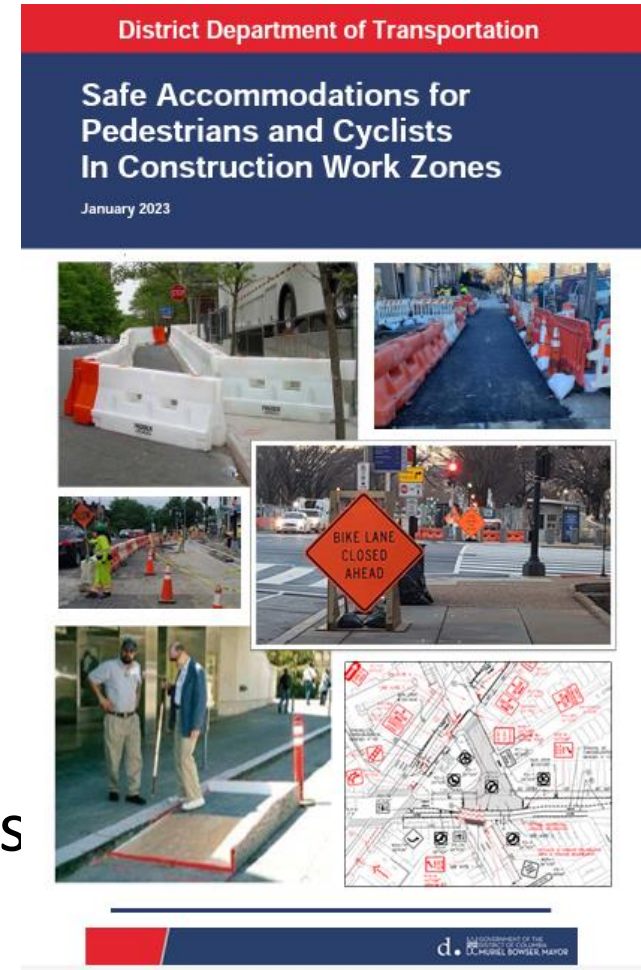
- Twenty competitive grant applications submitted by DDOT over 2 years
- Six grants awarded to DDOT, five applications still pending a decision
- \$127M in project funding

DDOT Competitive Grant Awards from BIL				
Funding Category	Funding Program	Project Name	Application Submitted	Funding Requested
Transportation	RAISE	South Capitol Street Trail	04/13/2022	\$17.6M
Transportation	Low/No Emissions	Circulator Electric Bus Purchase	05/31/2022	\$9.6M
Transportation	Bridge Investment Program	I-395 Bridge	09/08/2022	\$72M
Transportation	RAISE	Wheeler Road Multimodal Safety & Access	02/27/2023	\$20M
Transportation	RAISE	Arboretum Bridge	02/27/2023	\$6.5M
Transportation	High Priority ITD	Upgrade the District's E-screening System and update the District's ITD Program Plan/Top-Level Design	03/31/2023	\$2M

Safety – Accommodations for Pedestrians and Cyclists in Construction Work Zones

DDOT Manual - Safe Accommodations for Pedestrians and Cyclists in Construction Work Zones

- Guidelines to improve safety in work zones
- Scenarios encountered during construction
 - ✓ Six scenarios of safe accommodations for pedestrians during construction
 - ✓ Over twenty scenarios of safe accommodations for cyclists during construction





Project Opportunities



DDOT Project Opportunities Online Access

Project Forecast

Predictions about upcoming projects at a given point in time

<https://ddot.dc.gov/page/project-forecasting>

District Transportation Access Portal (DTAP)

Information on projects under the planning, design, and construction phases

<https://dtap.ddot.dc.gov>

Project Advertisement

Official solicitation website

<http://ocp.dc.gov>

Architect and Engineering Task Orders

AE schedule website

<https://ddotwiki.atlassian.net/wiki/spaces/AE/pages/2068021286/FY22+A+E+Schedule>

Project Forecasting

This page provides a forecast of DDOT's upcoming construction projects. The data can be downloaded as a CSV file. For questions regarding this information, please send your inquiries to Ali.Shakeri@dc.gov.

Show 80 entries Search: 2024/1st KEY FUND TYPES

Projects	Division	Team	Fund Source	Project Size	Solicitation Type	Calendar Year	Scope 1	Scope 2	Scope 3	Scope 4	Scope 5
Highway Structures Preventive Maintenance and Emergency Repairs	OPS MD	Asset	Federal	Scope 5	Construction	2024/1st	Lesser - \$500K	\$500K - \$1M			
Federal Aid Pavement Restoration STBG	OPS MD	Asset	Capital/Federal	Scope 5	Construction	2024/1st			\$1M - \$5M		
Local Sidewalk Restoration Citywide	OPS MD	Asset	Local	Scope 5	Construction	2024/1st				\$5M - \$10	
Local Pavement Restoration Citywide	OPS MD	Asset	Local	Scope 5	Construction	2024/1st					\$10M - Greater
DC PLUG Feeder 14093	IPMA	DC PLUG	Local	Scope 5	Construction	2024/1st					
DC PLUG Feeder 00467	IPMA	DC PLUG	Local	Scope 4	Construction	2024/1st					
Pennsylvania Avenue West Streetscape from 17th St NW to 21st St NW	IPMA	1	Local	Scope 5	Construction	2024/1st					
Pennsylvania & Potomac Avenue - Intersection Improvements	IPMA	AWI	Federal	Scope 5	Construction	2024/1st					
Pennsylvania Avenue West Streetscape from 17th St. NW to 21st St. NW	IPMA	1	Local	Scope 3	Construction Management	2024/1st					
Pennsylvania & Potomac Avenue - Intersection Improvements	IPMA	AWI	Federal	Scope 3	Construction Management	2024/1st					

Project Specific DBE and CBE Participation Goals are Established at Advertisement



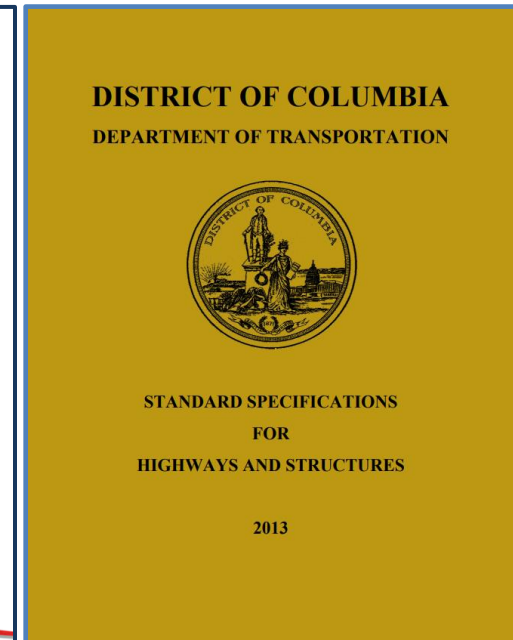
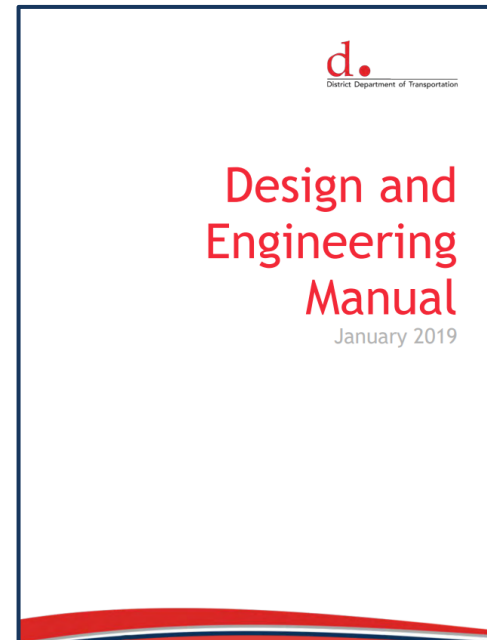
Federal Funding: DBE goals
Local Funding: CBE goals

DDOT Contractors Information Center

Provides important information for firms doing design and construction work for DDOT <https://ddot.dc.gov/page/contractors-information-center>

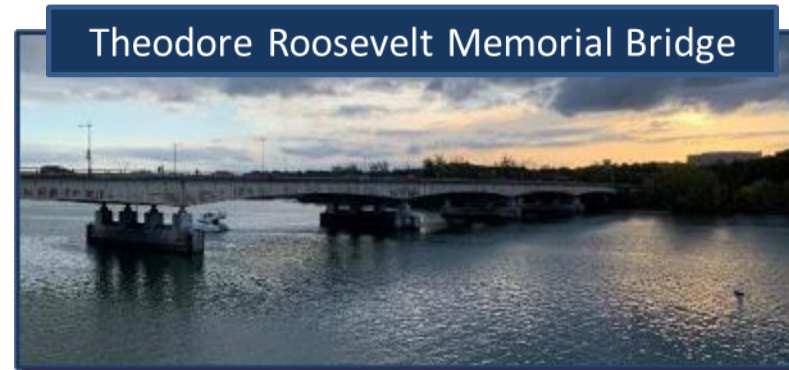
- Procurement online sites
- Bidding Information
- Manuals, Guidelines and Standards

d.



Rehabilitation of Theodore Roosevelt Bridge

- WHAT – Bridge rehabilitation to maintain the structure’s service life for the next 30 years and improve safety by making necessary repairs. The work includes bringing the combined pedestrian/bicycle sidewalk into compliance with safety standards
- WHEN
 - CY 2023 4th Quarter



Construction Construction Management

Effective Immediately: Theodore Roosevelt Bridge (I-66) Lane Closures, and Weight Restriction of Ten (10) Tons

Friday, February 11, 2022

The District Department of Transportation (DDOT) advises motorists that lane closures have been implemented along the Teddy Roosevelt Bridge for emergency repair work.

Starting at approximately 10:00 p.m. today, Friday, February 11, 2022, the Teddy Roosevelt Bridge will be closing three (3) middle lanes for emergency repair work for the next four months, weather permitting. The bridge, which is located between Washington, D.C. and Arlington County, Virginia, will continue to be accessible to vehicular traffic with two (2) outer lanes outbound and two (2) outer lanes inbound. The open lanes will be subject to a load restriction of ten (10) tons.

Commuters that use the Teddy Roosevelt Bridge to travel to and from Washington D.C. are recommended to use alternate routes while repairs are being made. Motorists that travel through Teddy Roosevelt Bridge should plan ahead by allowing additional commute times, as heavy traffic is expected along the bridge and alternate routes.

Variable message signs have been deployed in the area to alert motorists of the lane closure and weight restrictions. Motorists traveling in this vicinity should be on the watch for changing traffic patterns and are encouraged to use alternate routes.

BRIDGE SIGNIFICANCE

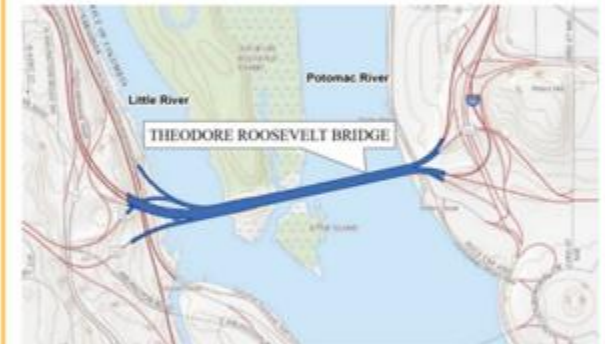
The bridge carries Interstate 66 between Arlington, VA and Washington DC across the Potomac and Little River

56
years in service
(opened in 1964)

32.6 million
vehicles per year
(94,764 vehicles per day)

25%
District traffic
across Potomac

Traffic includes commuters as well as tourists traveling to the area attractions and entertainment in the District



*If repairs are not completed,
there is further risk to incur longer term traffic impacts
or eventual closure of the bridge*

PROJECT GOALS

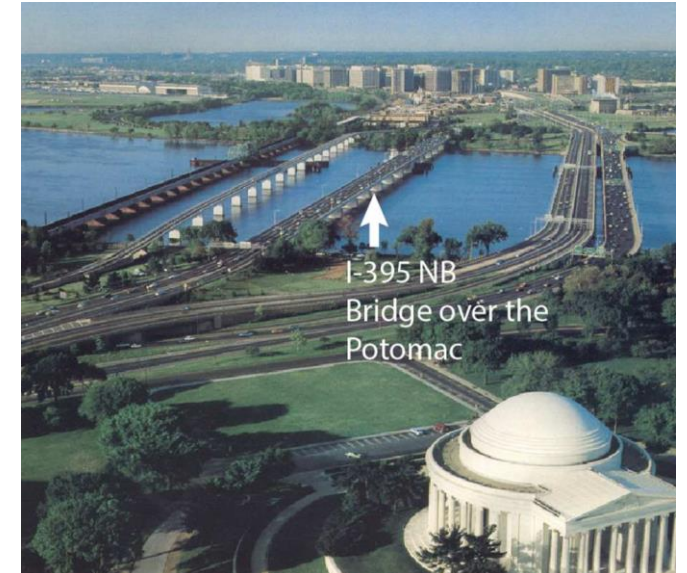
✓ **Extend the service life of the bridge by 20-30 years**

✓ **Improve mobility for pedestrians safety and bicyclists**

Rehabilitation of I-395 Northbound over the Potomac River

- WHAT – Bridge rehabilitation to maintain the structure’s service life and improve safety by making necessary repairs. The work includes replacing the existing corroded safety barriers and replacing the bascule span with a fixed span.
- WHEN
 - CY 2024 1st Quarter

\$72m Federal Grant Award!!!!



**Final Design
Construction
Construction Management**

H Street Bridge NE – North Capitol Street to 3rd Street

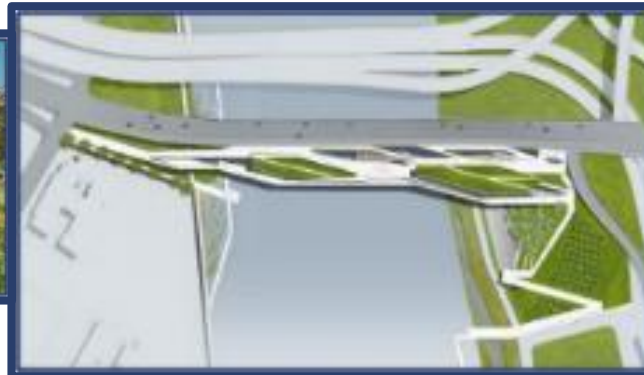
- WHAT – A new bridge carrying H Street NE from North Capitol Street to 3rd Street, which is designed to accommodate expansion of Union Station and adjacent private development in the air rights above the railyard.
- WHEN
 - RFP to shortlisted DB teams CY 2023 4th Quarter



**Construction
Construction Management**

11th Street Bridge Park

- WHAT – Elevated public park over the Anacostia River...located on the piers of the old 11th Street bridge. Collaborative project between DDOT and the non-profit Bridges Across the River (BBAR)
- WHEN
 - CY 2024 1st Quarter



**Construction
Construction Management**

Wheeler Road

- WHAT – Address safety issues in the corridor including unsafe school access, cars regularly speeding, unsafe pedestrian crossings, and unsafe biking conditions.
- WHEN
 - CY 2024 1st Quarter

\$20m Federal Grant Award!!!!

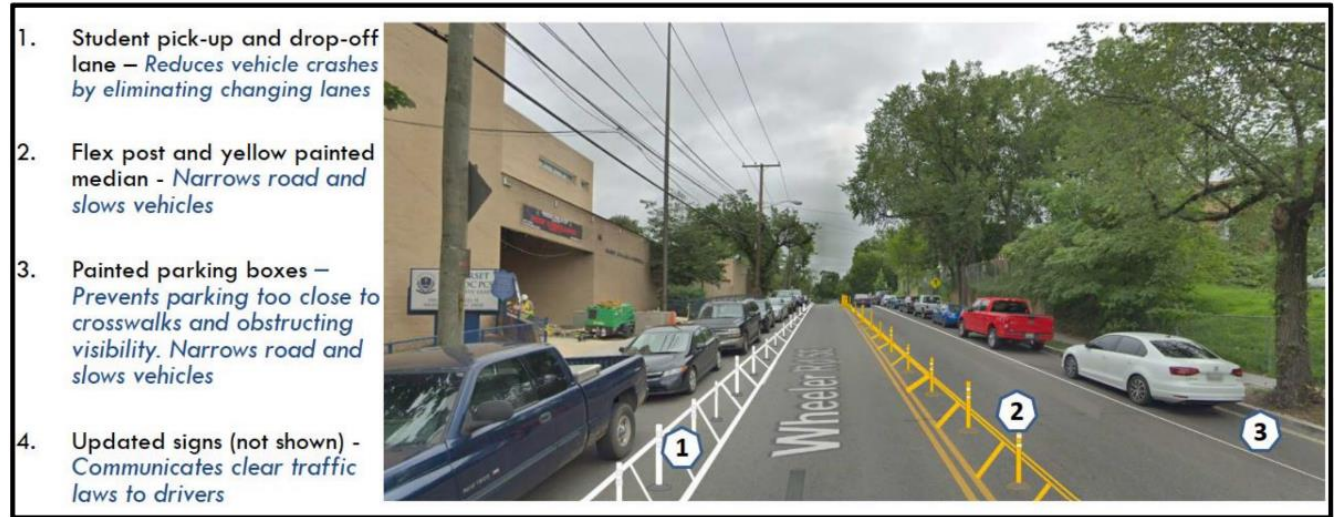
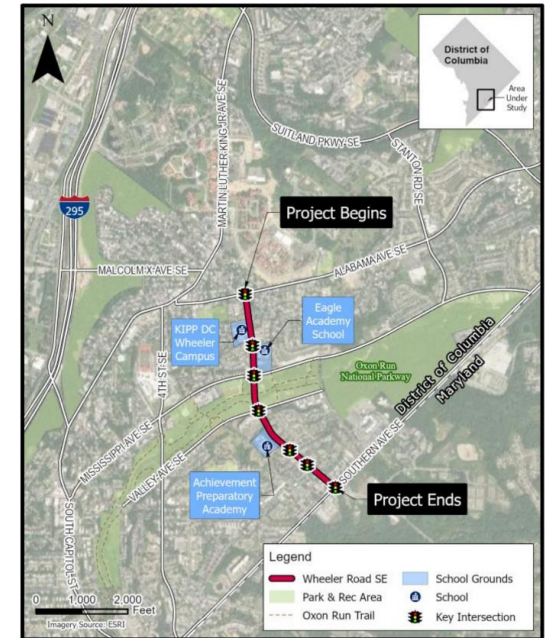


Figure 10: KIPP DC Wheeler Campus after Quick Build Phase 1 safety improvements. Source: Wheeler Road presentation, Spring 2022

**Design
Construction
Construction Management**

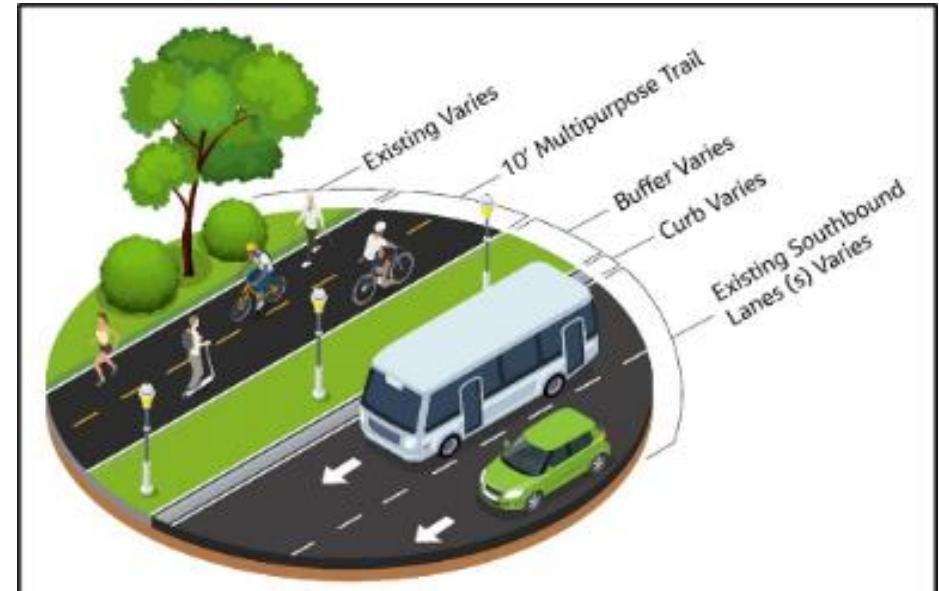


South Capitol Street Trail

- WHAT – Improves bicycle and pedestrian access along South Capitol Street/Overlook Avenue. The limits of the project extend for about 3.8 miles from the Firth Sterling Street/South Capitol Street intersection, southward along South Capitol Street/Overlook Avenue to Laboratory Road, and eastward under the I-295 overpass to Shepherds Parkway
- WHEN
 - CY 2024 1st Quarter

**Construction
Construction Management**

\$10m Federal Grant Award!!!!

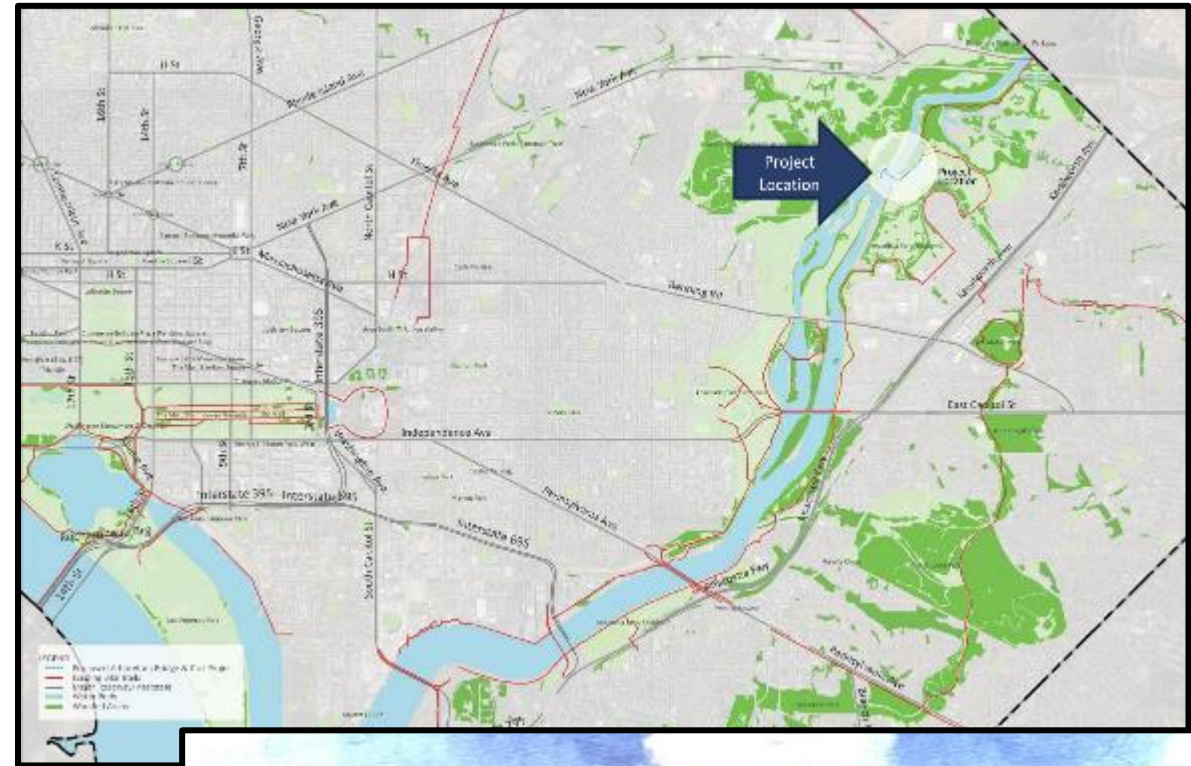


Arboretum Bridge and Trail

- WHAT – Part of the Anacostia River Trail network, which will be 28-miles long when fully developed. Project will provide the missing trail segment between the Anacostia waterfront and the U.S. National Arboretum, which draws over 500,000 visitors annually.
- WHEN
 - CY 2024 2nd Quarter

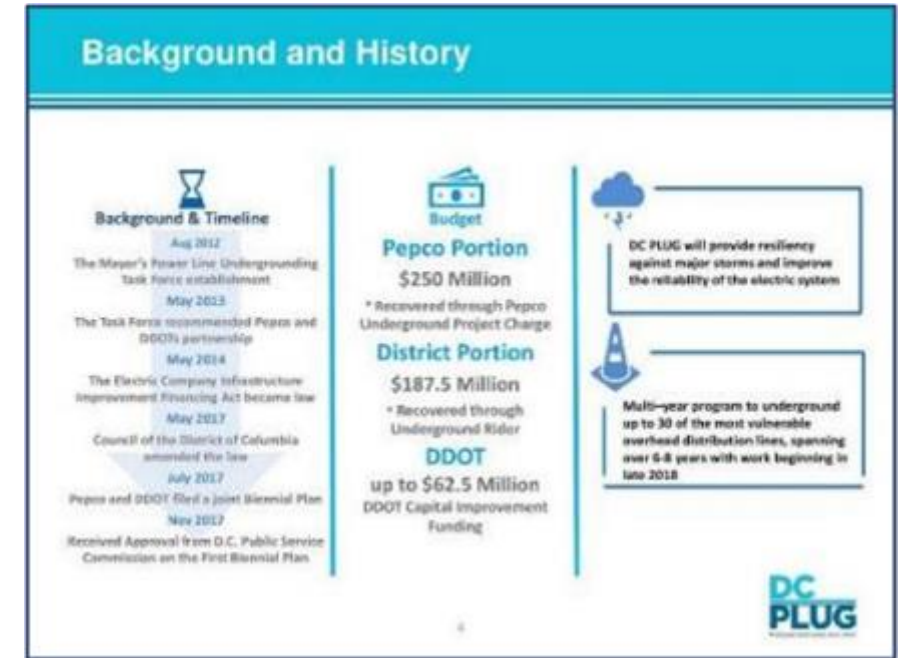
**Construction
Construction Management**

\$6.5m Federal Grant Award!!!!



DC Power Line Undergrounding (PLUG)

- WHAT – Move key overhead lines to underground to improve safety, resiliency and reliability
- WHEN
 - CY 2023 2nd Quarter
- VALUE
 - Construction ranging from \$1 million to \$15+ million
 - Check Project Forecast website for upcoming feeder construction in CY 2023 to CY 2024



Construction



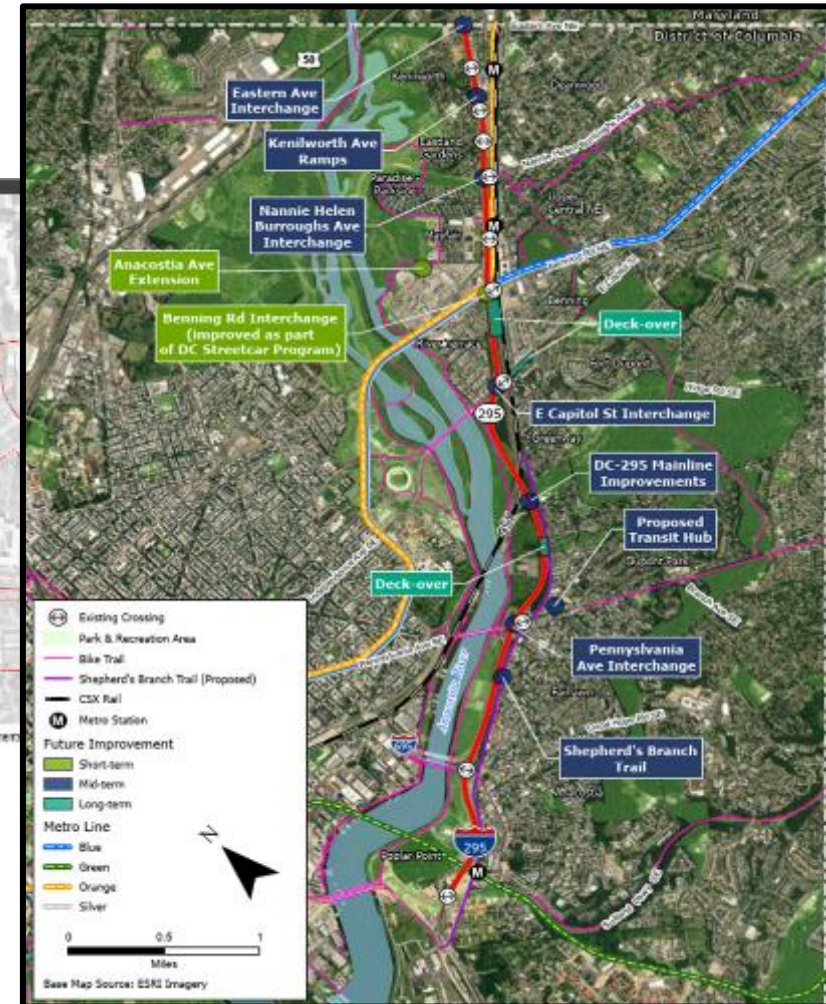
Reconnecting Communities (Future Projects)

Reconnecting Communities Divided by Major Infrastructure

Feasibility Study of I-295/DC-295 Corridor
Redesign of North Capitol Street

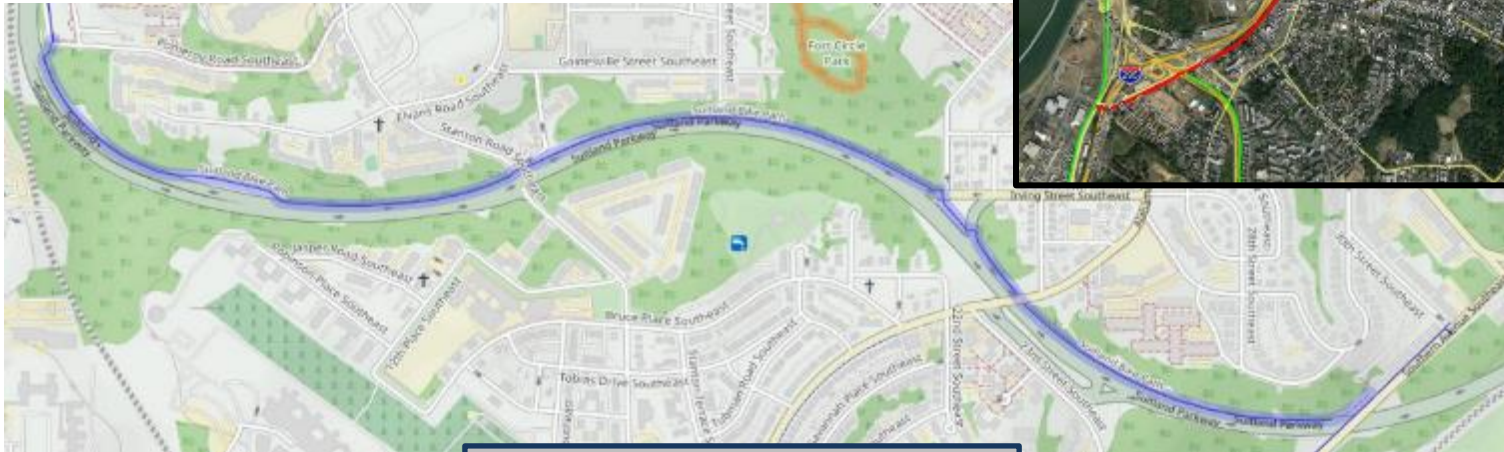


Source: DCOP and DDOT North Capitol Cloverleaf Urbanization Study

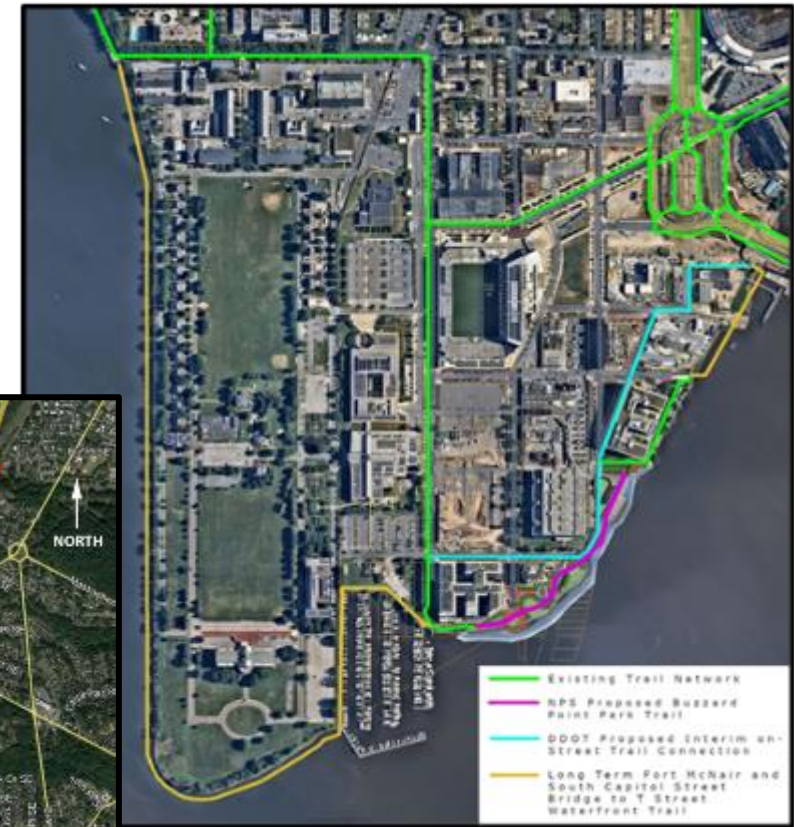


New and Rehabilitated Trail Segments

- **New or Rehabilitated Trail Segments**
 - ✓ Suitland Parkway Trail
 - ✓ Shepherd Branch Trail
 - ✓ Oxon Run Trail
 - ✓ Anacostia River Walk Trail (Buzzard Point Portion)



Source: DDOT Suitland Parkway Trail Rehabilitation Public Meeting



Other Upcoming Design Opportunities

- Arizona Ave., Connector Trail to the Capital Crescent Trail
- East Capitol Street Corridor Safety and Mobility Project
- Safety and Geometric Improvements of DC 295 (Mid-term)
- Rehabilitation of the Whitehurst Freeway Bridge



Other Upcoming Construction and Construction Management Opportunities

- Rehabilitation of I-395 HOV Bridge over the Potomac River
- Streetscape of Connecticut Ave from California St to Dupont Circle
- Pennsylvania Ave, NW from 17th St to Washington Circle
- Pennsylvania Ave and Potomac Ave., SE Intersection Improvements
- Martin Luther King Jr. Phase 2



Opportunities For Improvement Between DDOT and Consultants

- Track project opportunities posted on DTAP and AE Schedule
- Improved project schedule performance
- Improved understanding of DDOT standards and operating procedures





Questions



District Department of Transportation

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