

Transit Capital Project Update

Transit Advisory Committee Update

January 16, 2024



Agenda

The purpose of this presentation is to provide the TAC an update on:

- Crystal City Metro Station East Entrance
- East Falls Church Bus Bay Expansion
- Ballston Metro Station West Entrance
- Shirlington Transit Center Expansion
- Floating Bus Stops
- In-Progress FY25 – FY34 Transit Capital Improvement Program (CIP)
- Proposed FY25 DRPT Grant Applications

Crystal City Metro East Entrance

- July 2023 – Arlington County approved Comprehensive Agreement for East Entrance, LLC to perform Final Design and Construction
 - Defines the terms and conditions of the Design-Build project delivery
 - Contract award \$117.2M; project budget \$141.6M
- September 2023 - County approved Project Coordination Agreement with WMATA. Cost estimate \$9.4M
 - Sets requirements for the Project to be designed and constructed in accordance with WMATA's standards, guidelines, and policies
 - County to reimburse WMATA for costs incurred during design and construction, including staff time, inspectors, escorts, bus bridging, and the purchasing of WMATA-specific equipment, such as fare machines and fare gates
- January 2024 – County issued Notice-to-Proceed to Gannett Fleming for Construction Management and Quality Assurance Services. Contract award \$8.2M



New entrance location at 18th Street South & Crystal Drive

Crystal City Metro East Entrance

Final Design: Started in August 2023

- Work separated into four Design Packages
 - DP1 – Civil Enabling Work
 - DP2 – New Entrance Tie-in to existing station
 - DP3 – New Entrance Structure outside of existing station
 - DP4 – Site Restoration
- Three design review iterations:
 - 60% Design: underway, completion Winter 2024
 - 90%: underway, completion Spring 2024
 - 100%: starting Summer 2024 and completion Winter 2025
 - Issued for Construction (IFC) – Fall 2024 for Package 1 and Winter 2025 for Packages 2 & 3
- Coordination with Adjacent County-led projects; Metro Market Square and 18th Street South Realignment



New entrance location at 18th Street South & Crystal Drive looking southwest

Crystal City Metro East Entrance

Construction

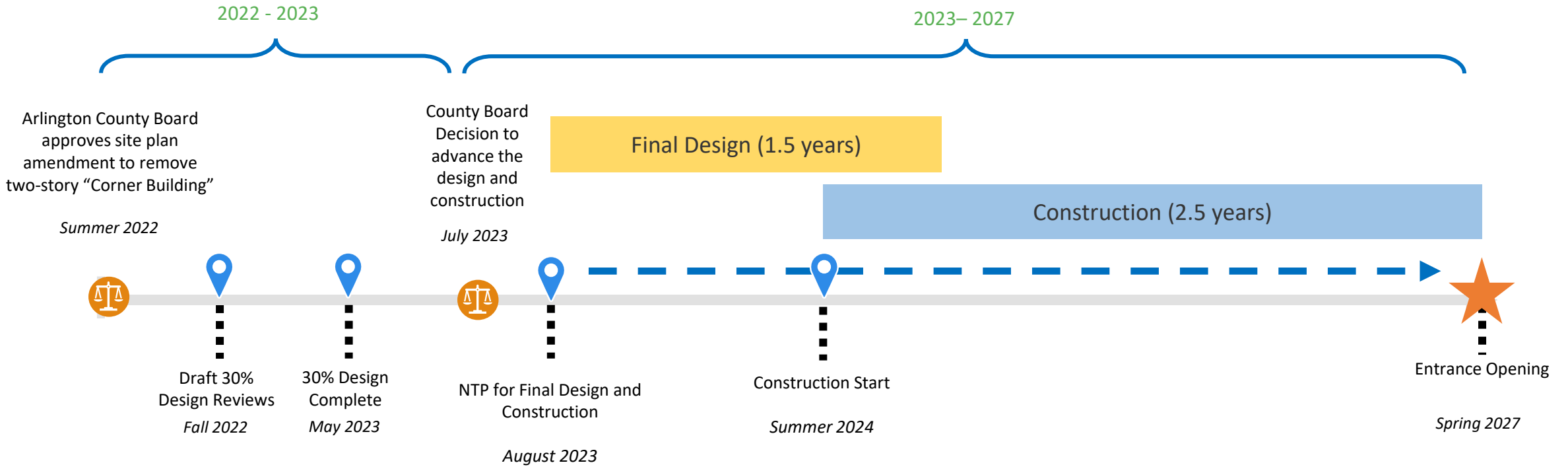
- Early activities to relocate fiber optic ductwork bisecting the site to start in January 2024
- Construction start Fall 2024
- Anticipated to last 2.5 years
- Coordination with WMATA to minimize construction-related impacts to riders and the public
- Notification to riders and the public on construction status and mitigation measures to reduce impacts
- New Station Entrance opens April 2027



New entrance location at 18th Street South & Crystal Drive looking northwest

Project Timeline

- Design Completion: Aug 2023 – Feb 2025
- Construction Completion: Aug 2024 – Mar 2027



Key Outcomes

Design pivot to an at-grade station entrance to reduce project costs and provide greater design flexibility for the East Entrance

JBG Smith provided Arlington County a "Guaranteed Maximum Price" proposal to finalize the design and construction

Comprehensive Agreement for Final Design and Construction as Design-Build with JBG Smith and Clark Construction; NTP August 2023

Initial design activities started in August 2023; Construction activities to start in August 2024 and last 2.5 years

Target opening date Fall 2027 in coordination with other adjacent projects

East Falls Church Bus Bay Expansion

Project Scope

- Expand bus loop capacity by adding three new bus bays and shelters and replacing existing shelters
- Replace the signal at the bus loop entrance/exit on N Sycamore Street
- Include pedestrian access improvements from the Metro Park-and-Ride lot, improvements to the accessible parking access
- Project Budget \$12.7M



Existing East Falls Church Bus Loop off N Sycamore St

East Falls Church Bus Bay Expansion

Way Ahead

- Complete Final 100% Design: January 2024
- Engineer of Record sign & seal 100% design drawings: January 2024
- County Board approval of Project Coordination Agreement with WMATA: January 2024
- Issue Invitation to Bid: March 2024
- Issue NTP to Contractor: May 2024

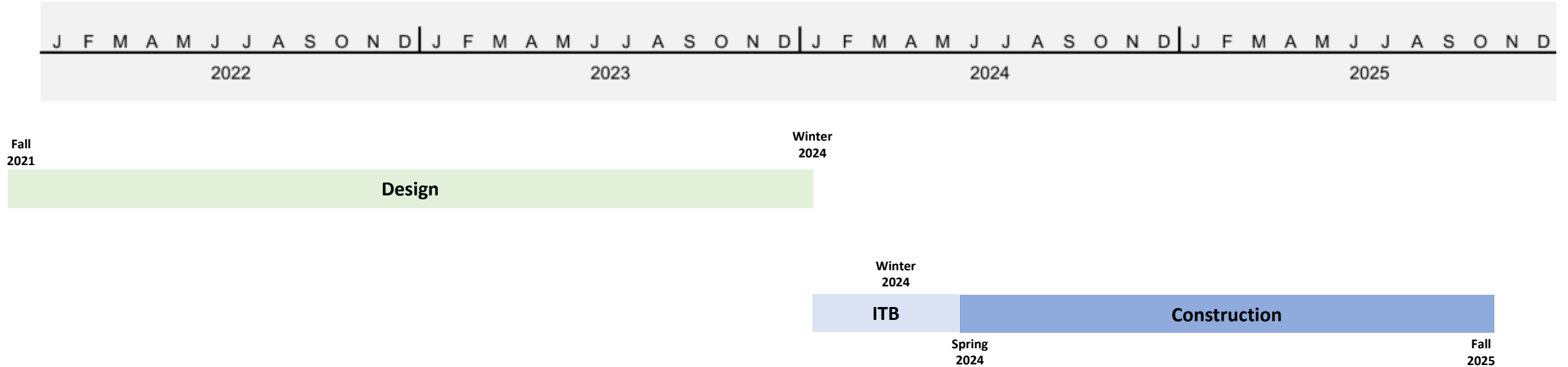


Plan View of Expanded East Falls Church Bus Loop

Project Timeline

- Complete design drawings: January 2024
- Procurement process: Winter/Spring 2024
- Issue NTP for Design Build contractor: Spring 2024

East Falls Church Bus Bay Expansion

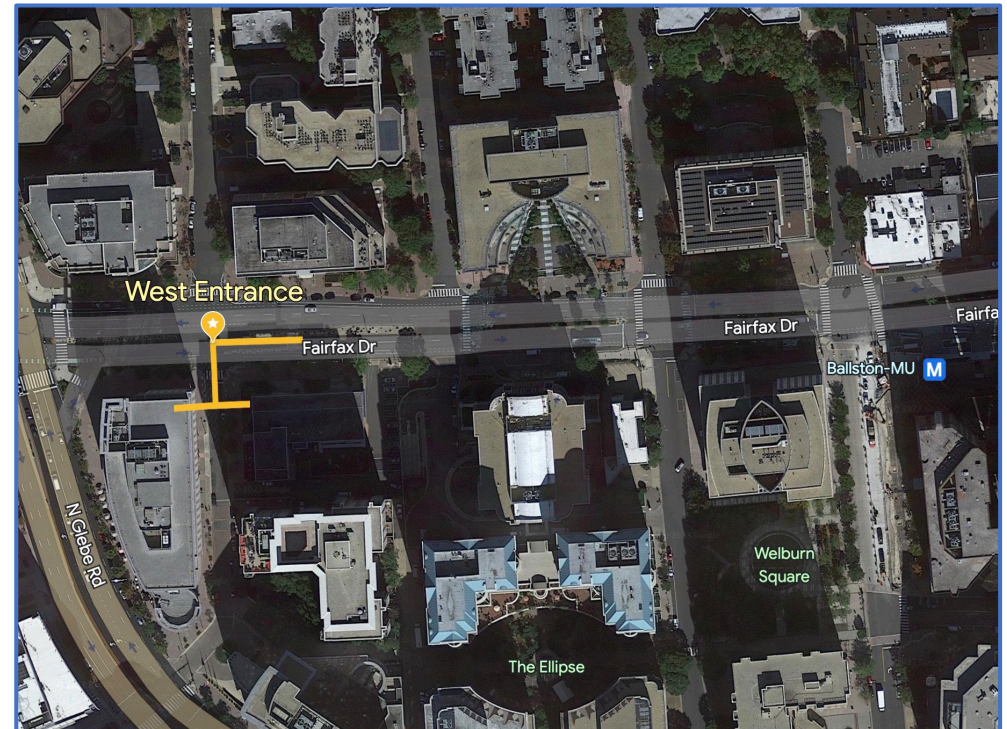


Current Status

- Final revisions to 100% design documents underway
- Task order issued to AECOM for construction management services

Ballston-MU Metro West Entrance

- Design and construct a second entrance to the Ballston –MU Metro Station at Fairfax Drive and N Vermont Street.
- New entrance enhances connectivity within the Ballston area
 - Extends the distance pedestrians can reasonably walk to access the station by nearly one-quarter mile
 - Provides additional egress path for evacuation during an emergency
 - Relieves congested conditions by providing more even distribution along the platform
 - County-led project with coordination with WMATA
- Adopted FY23-32 CIP Project Budget is \$150M

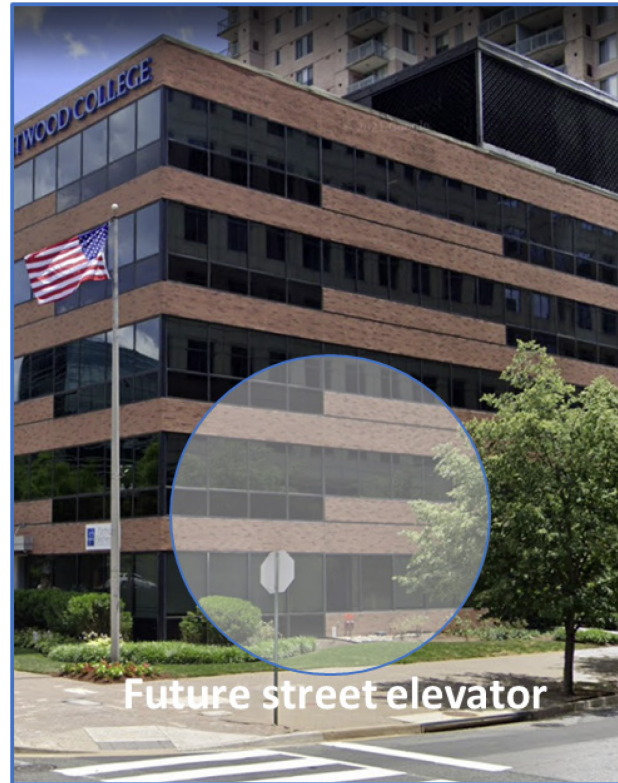


New entrance location at Fairfax Dr and N. Vermont St

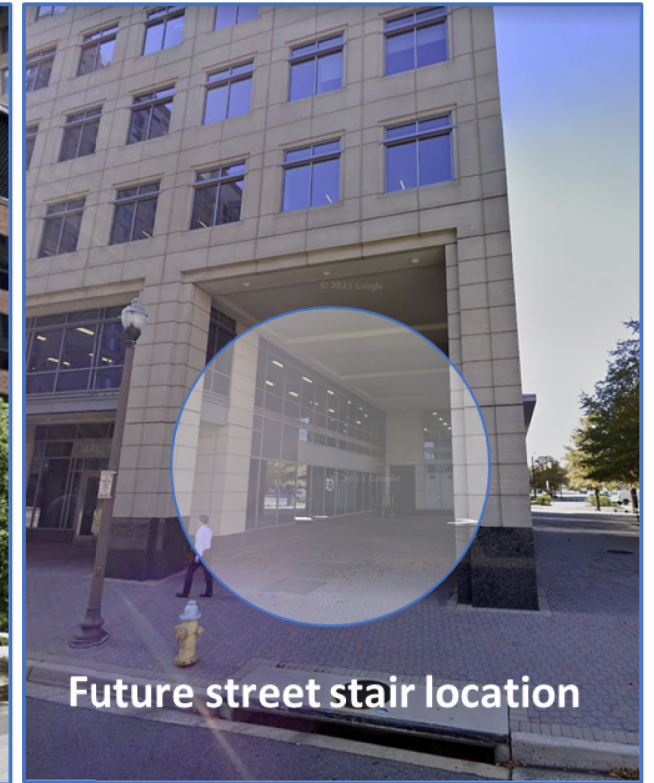
Ballston-MU Metro West Entrance

Status

- STV finalizing the 35% design plans; anticipate completion in winter/spring 2024
 - WMATA and the County provided comments
 - Coordination underway to close-out comments
- Developing procurement documents including scope of work and evaluation criteria for issuance of a Request for Qualifications (RFQ) followed by Request for Proposal (RFP) for Design-Build services



Future street elevator



Future street stair location

New entrance location at Fairfax Drive and N Vermont Street

Project Timeline

- Complete 35% design drawings: Winter/Spring 2024
- Issue NTP for Design Build Contractor: Summer 2025

Ballston West Entrance



Next Steps

- Complete 35% design documents
- Complete procurement process for Design Build services: Spring 2025
 - Issue RFQ to select short list of firms
 - Issue RFP to the short-listed firm
 - Issue NTP to selected Design Builder
- Advance Design Build phase: Summer 2025 – Spring 2029

Shirlington Transit Center Expansion

Project Background and Objectives



Background

- The Shirlington Bus Station has been in operation since 2008.
- Located at S Quincy Street near the intersection of S Randolph St and 31st Street S, this station is South Arlington's regional transit center connecting riders to Alexandria, Fairfax County, Metrorail and VRE stations.

Objectives

- Expand the station's capacity to improve the integration between systems and increase capacity to accommodate future service increase from regional BRT on the West End Transitway in Alexandria
- Comprehensive facility assessment for effective asset management and facility optimization



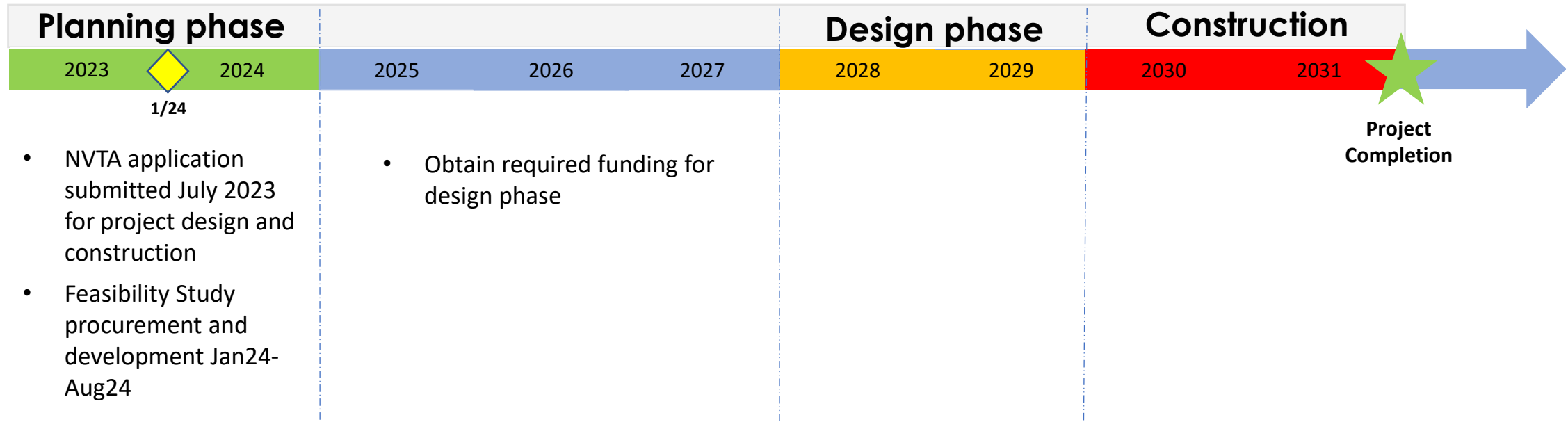
Shirlington Transit Center Expansion

Redevelop the parking lot adjacent to the Shirlington Bus Station to increase bus bay capacity and upgrade the facility to meet future service demand.



Location of Shirlington Transit Center

Project Update and Anticipated Timeline



Upcoming Milestones:

- Issue Task Order for feasibility study: January 2024
- Report on feasibility study and preliminary concept design: Fall 2024

Floating Bus Stops

- Provides dedicated waiting and boarding areas for passengers
- Provides boarding islands to allow creation of accessible in-lane stops
- Separated from sidewalks by bike channels
- Safety metal railing provides a separation barrier between cyclists and pedestrians
- Amenities: Shelter, benches, trash bins.



Current Floating Bus Stop

Floating bus stop installed at Wilson Blvd and N Pierce Street; designs underway for 25 additional floating bus stops



Concerns & Issue

- Way-finding for individuals with low-vision
- Mitigation for the conflict between pedestrians and bicycles

In-Progress FY25 – FY34 Transit CIP

Development of the Transit CIP underway for the following projects and programs:

- ART Fleet Expansion
- ART Replacement Buses
- ART Facilities
- Columbia Pike Transit Stations
- Pentagon City Metro Second Elevator
- Metrorail Station Entrances
 - Crystal City Metro East Entrance
 - Ballston-MU Metro West Entrance
- Transitway Extension to Pentagon City
- Transitway State of Good Repair
- East Falls Church Metro Bus Bay Expansion
- Shirlington Station Expansion
- Transit ITS and Security Program
- Court House Metro Elevators
- Bus Stop Accessibility Improvements
- Other Transit Projects
 - ART fare collection, bus stop and shelter program, mobility hub, and micro-transit implementation study

Proposed FY25 DRPT Grant Applications

County seeking funding totaling nearly \$31M through the DRPT MERIT Grant Program for the following projects/programs. Applications due by February 1.

- ART Facilities Electrification: \$13.7M
- ART Fleet Expansion: \$4.5M
- ART Replacement Buses: \$10.6M
- Bus Stop Accessibility Improvements: \$926K
- Bus Stop and Shelter State of Good Repair: \$627K
- Transit Signal Priority: \$347K

ACTIVE PROJECTS

Floating Bus Stop Locations	Direction	Delivery Method	Delivery Timeline	Notes
1 Ft Myer Dr and Wilson Blvd	Southbound	Rosslyn Core Study		Floating bus islands were incorporated as part of the two-way raised cycle track design
2 N Nash St and Key Blvd	Northbound	AMES Site Plan	2023/2024	1st submission CEP
3 Wilson Blvd and Ft Myer Dr	Westbound	Rosslyn Core Study		Floating bus islands were incorporated as part of the two-way raised cycle track design
4 Wilson Blvd and N Rhodes St	Westbound	TE&O Safety Project	Summer 2022	90% Design, has gone through several rounds of engagement with the Disability Advisory Commission
5 Clarendon Blvd and N Pierce St	Eastbound	Transit/TE&O	Fall 2022	Stop relocation was determined and promised after an access audit
6 Wilson Blvd and N Courthouse Rd	Westbound	Wendy's Site Plan		Pre 4.1 site plan
7 Clarendon Blvd and N Courthouse Rd	Eastbound	Wendy's Site Plan		Pre 4.1 site plan
8 Walter Reed Dr and 5th St S	Southbound	TPCPM CIP	2023/2024	Concept Design that has been show as part of the community engagement
9 Walter Reed Dr and 8th St S	Southbound	TPCPM CIP	2023/2024	Concept Design that has been show as part of the community engagement
10 Walter Reed Dr and 8th St S	Northbound	TPCPM CIP	2023/2024	Concept Design that has been show as part of the community engagement
11 Walter Reed Dr and Columbia Pike	Northbound	TPCPM CIP	2023/2024	Concept Design that has been show as part of the community engagement
12 Army Navy Dr and S Joyce St	Eastbound	TPCPM CIP	2022/2023?	90% Design CP01
13 Army Navy Dr and S Lynn ST	Eastbound	TPCPM CIP	2024	Concept Design CC25
14 Army Navy Dr and S Lynn ST	Westbound	TPCPM CIP	2024	Concept Design CC25
15 12th St and S Hayes St	Eastbound	Transit CIP		30% Design MA13 Segment IIB center running transit lanes
16 12th St and S Elm St	Eastbound	Transit CIP		60% Design MA13 Segment IIA center running transit lanes
17 12th St and S Elm St	Westbound	Transit CIP		60% Design MA13 Segment IIA center running transit lanes
18 S Eads St and 11th St S	Southbound	Pen Place Site Plan		Pre 4.1 site plan
19 S Eads St and 13th St S	Southbound	Met Park 6, 7, 8 Site Plan		Check with Joanne Approved CEP Site Plan that is currently in construction
20 S Eads St and 15th St S	Southbound	Met Park 6, 7, 8 Site Plan		Check with Joanne Approved CEP Site Plan that is currently in construction
21 15th St S and S Eads	Westbound	Met Park 6, 7, 8 Site Plan		Check with Joanne Approved CEP Site Plan that is currently in construction
22 S Eads and 22nd St S	Northbound	Crystal House	TBP	Approved 4.1 Site Plan
23 S Eads and 22nd St S	Southbound	Crystal House	TBP	Approved 4.1 Site Plan
24 S Eads and 18nd St S	Southbound	Crystal House	TBP	Approved 4.1 Site Plan
25 23rd St S and Crystal Dr	Eastbound	223 23rd St and 2300 Crystal Dr	TBP	Concept Design for pre 4.1 site plan that has been presented as part of the CCBN community engagement