

Update on Transit's Proposed FY23-FY32 Capital Improvement Plan (CIP) and Update on Current Projects

**Transit Advisory Committee
March 8, 2022**



Introduction

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

- CIP Process
- Proposed FY23 – FY32 Transit Capital Improvement Program (CIP)
- Transit Capital Projects Update
 - Ballston Metrorail Station Multimodal Improvements
 - Ballston Metrorail Station West Entrance
 - East Falls Church Bus Bay Expansion

CIP Process

- Winter/Spring the County Manager gathers input from his leadership team, County staff, the County Board and the Arlington community. This input help frame and develop the Manager's Proposed CIP, which he will present to the Board.
- Share your thoughts now through March 15! Your input will help inform the County Manager's proposed CIP:
 - <https://engage.arlingtonva.us/content/how-should-arlington-invest-major-infrastructure-future>
- June and July the County Board holds work sessions to learn more about the specifics of the CIP proposals. The Board also holds a public hearing and receives community feedback as it considers the Manager's CIP proposal.
- July, following extensive review and consideration, the County Board adopts the final CIP.

Transit CIP Overview

- In FY21, the County adopted a one-year CIP due to the ongoing impacts of the COVID-19 pandemic
 - Transportation CIP was \$155M and included \$38.4M for Transit
- In FY22, the County adopted a 3-year CIP FY22 – FY24
 - Transportation CIP was \$568M and included \$321M for the Transit
- In FY23, the County will return to a full 10-year CIP FY23-32 that will be updated biennially
 - Development of the Transit CIP is underway with a projected 10-year forecast of nearly \$450M in projects/programs



Proposed FY23 – FY32 Transit CIP

Program Includes

- **ART Replacement Buses**
- **ART Facilities**
- **Columbia Pike Transit Stations**
- **Ballston Multimodal Improvements**
- **Pentagon City Metro Second Elevator**
- **Metrorail Station Entrances**
 - Crystal City Metro East Entrance
 - Ballston-MU Metro West Entrance
- **Transitway Extension to Pentagon City**
- **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**
 - Farebox upgrades, bus stop and shelter program, Off-Vehicle Fare Collection and Transit Development Plan update



Proposed FY23 – FY32 Transit CIP

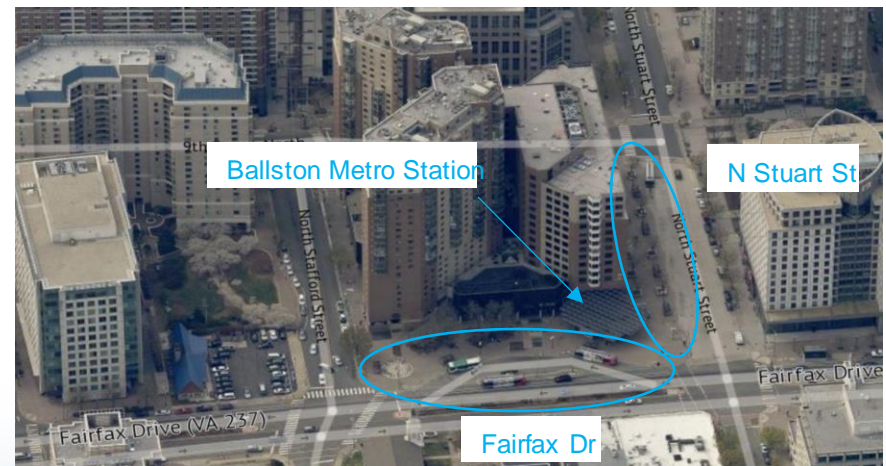
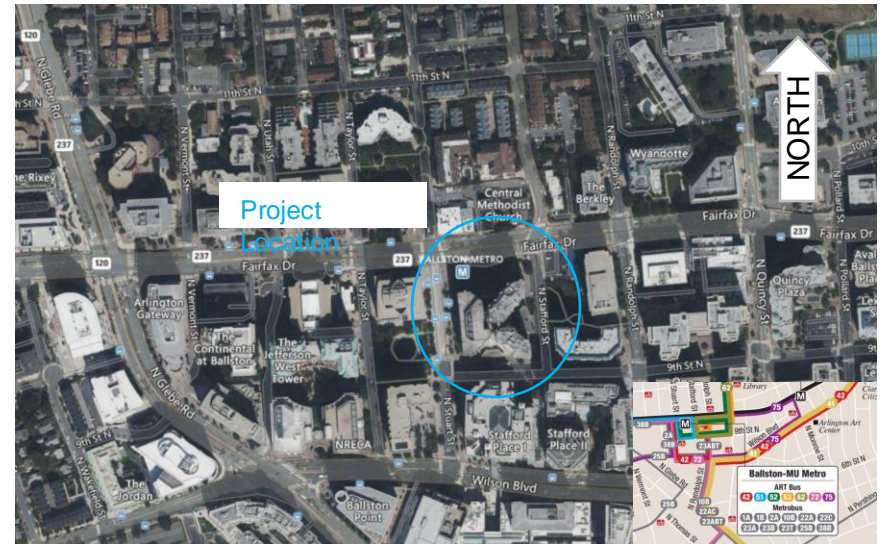
Project	10-Year Total	Project Total	Completion	Comments
ART Fleet & Equipment Replacement	51,797	51,797	FY 2023	phased implementation FY23-29
Ballston Multimodal Improvements	663	853	FY 2023	
Pentagon City Metro Second Elevator	3,537	10,450	FY 2023	
Columbia Pike Transit Stations	7,997	14,635	FY 2023	phased implementation FY23-26
Transit Strategic Plan Updates	2,290	2,562	FY 2023	updated every 6-years
Bus-Only HOV Lane on US 29 Rosslyn	655	710	FY 2023	
ART Bus Fareboxes Upgrade	351	453	FY 2023	
Bus Bay Expansion at East Falls Church	7,717	9,074	FY 2024	
Crystal City-Potomac Yard Transitway SGR	1,729	1,729	FY 2024	
Mobility Hub Pilot	665	665	FY 2024	pilot at Court House Plaza
Transitway Extension to Pentagon City	25,336	27,667	FY 2025	
ART O&M Facility Shirlington	57,314	64,380	FY 2025	
Crystal City Metro Station East Entrance	91,387	94,891	FY 2026	
ART Fleet Expansion	13,324	13,324	FY 2026	phased implementation FY26-28
Transitway Extension: Potomac Ave-Alexandria	7,496	7,585	FY 2026	
Ballston West Entrance	137,468	140,000	FY 2027	
Army Navy Drive Transit Center	219	219	FY 2028	WMATA implementation
Shirlington Bus Station Expansion	4,669	4,669	FY 2028	
Off Vehicle Fare Collection	3,608	3,610	FY 2028	
Court House Metro Station Second Elevator	29,062	29,153	FY 2029	
Transit ITS and Security Program	5,128	8,373	FY 2032	ongoing program
Bus Stop Accessibility Improvements	7,517	12,746	FY 2032	ongoing program
Bus Stop and Shelter Program	5,966	6,776	FY 2032	ongoing program
East Falls Church Metro Station Second Entrance	800	800	FY 2032	planning and prelim engineering
Transit Strategic Plan New Initiatives	<u>127,500</u>	<u>127,500</u>	FY 2032	unspecified capital investments
<i>Costs in \$000s</i>	Transit Total	594,195	634,621	

Updates on Current Projects



Ballston-MU Metro Multimodal Improvements

- Project Location
 - Ballston-MU Metro Station
- Objective
 - Upgrade and modernize the Ballston-MU Metro Bus Bays & Plaza
- Construction Schedule
 - Started June 2020
 - Completion Summer 2022
- Construction Cost
 - \$5.5 million



Ballston-MU Metro Multimodal Rendering

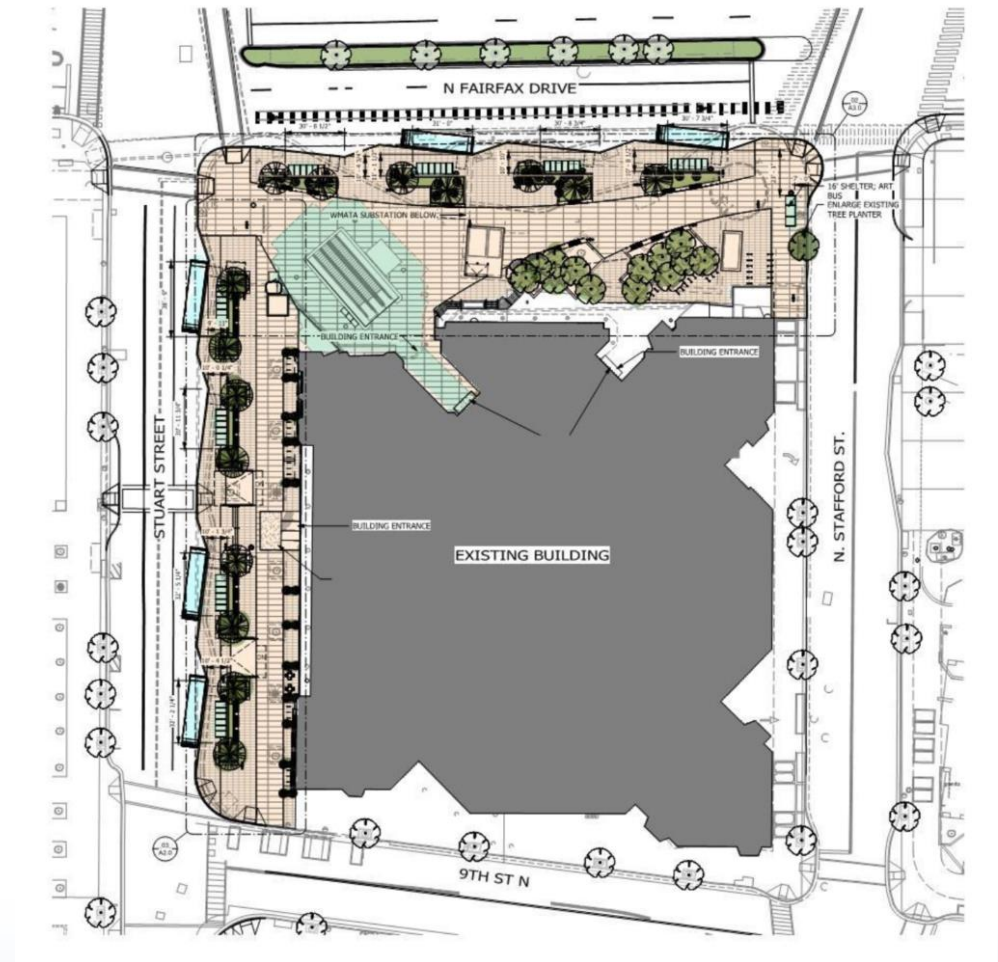


Rendering of the improved plaza area and new bus bays

Ballston-MU Metro Multimodal Improvements

Project Improvements

- Bus Bay Facilities
- Plaza Spaces
- Access & Safety
- Site Amenities & Lighting
- Real-Time Bus Information Displays



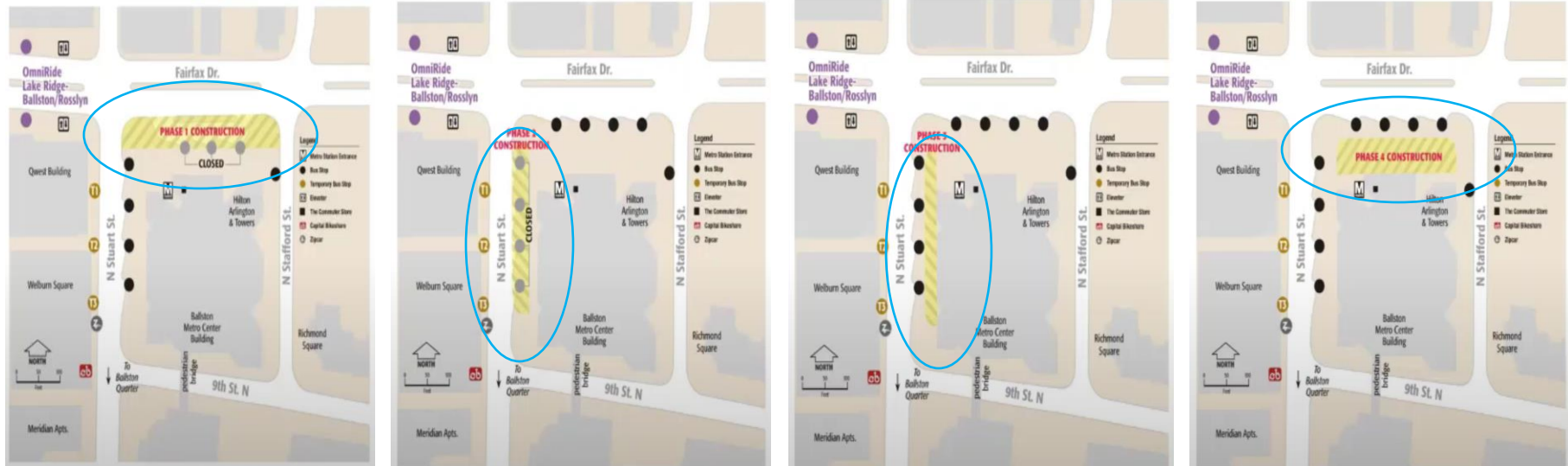
Ballston-MU Multimodal Construction Phases

Phase 1

Phase 2

Phase 3

Phase 4

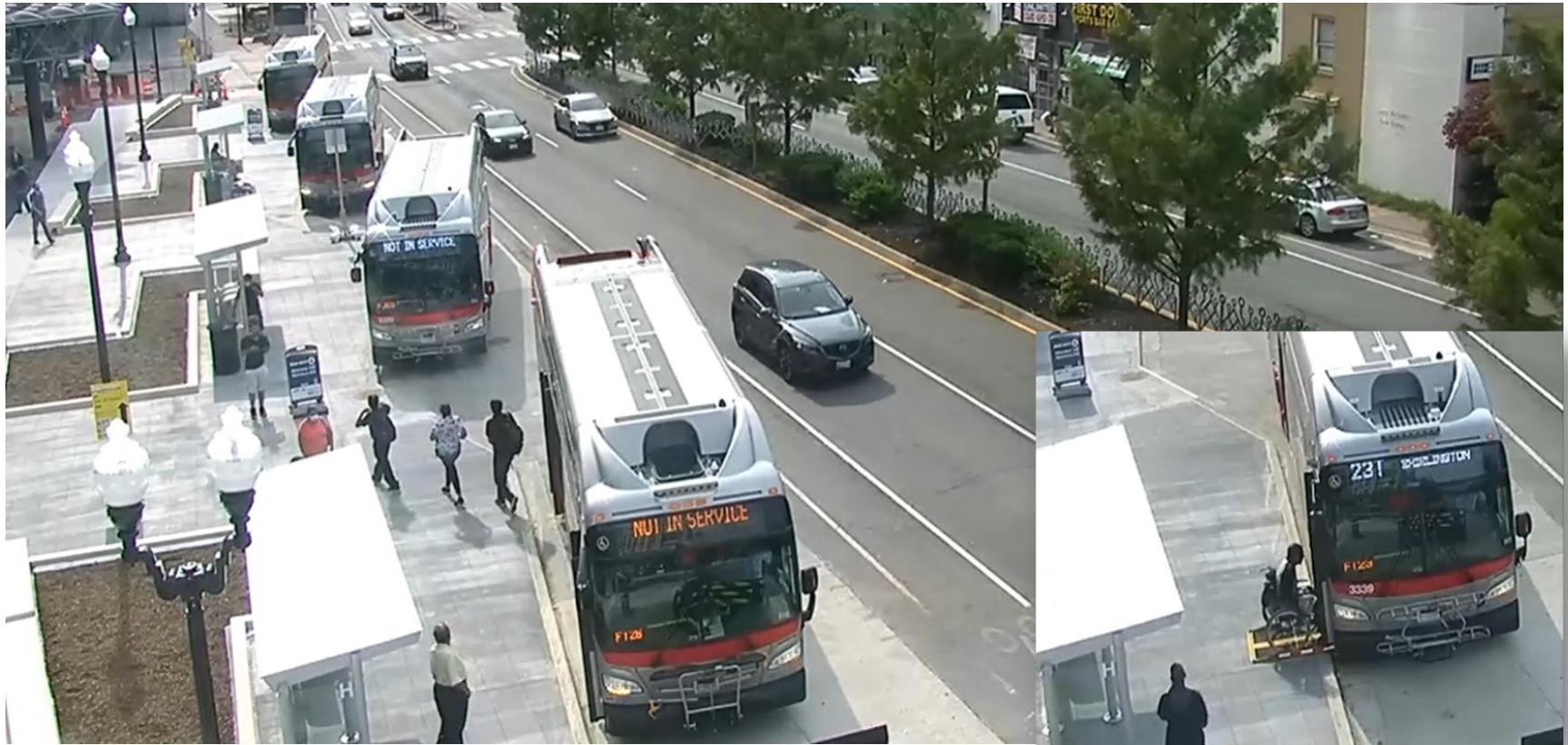


- Major Construction Phases

- Phase 1: Fairfax Dr – substantially complete with bus bays in service
- Phase 2: N Stuart St – bus bays built and planter installation underway; expected completion summer 2022
- Phase 3: N Stuart St – plaza work to start in spring 2022
- Phase 4: Fairfax Dr – plaza work underway



Ballston-MU Metro Multimodal Construction Photos



Ballston Bus Bays along Fairfax Drive

Ballston-MU Metro Multimodal More Information

<https://www.arlingtonva.us/Government/Projects/Project-Types/Transportation-Projects/Ballston-Station-Multimodal>



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
 - Relieves congested conditions by providing more even distribution along the platform
 - Provides additional egress path for evacuation during an emergency
 - County-led project with coordination with WMATA
 - Proposed FY23-32 CIP Project Budget is \$140M



Ballston West Entrance Project Location

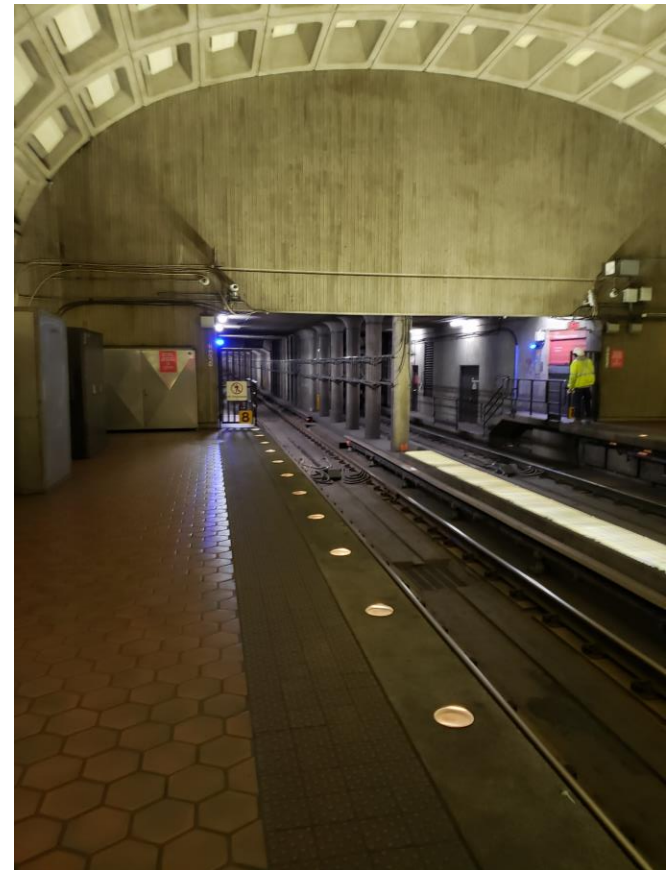
Ballston-MU Metro West Entrance Funding

- County recently submitted funding applications in the amount of \$84.5M for the Ballston West Entrance project
 - Northern Virginia Transportation Authority (NVTA) FY2022-27 Six-Year Program - \$80M application
 - Northern Virginia Transportation Commission (NVTC) I-66 Commuter Choice - \$4.5M application
- Public Comment Period - Spring 2022
 - Community is encouraged to submit letters of support to both NVTA and NVTC *(more details to follow)*



Ballston-MU Metro West Entrance

- County's on-call A&E consultant advancing 35% design of new entrance
- Design must comply with WMATA's current design criteria and standards *"Challenging"*
 - Number of elevator (2 elevators per change in level)
 - Size of mechanical equipment increased
 - Emergency egress stairs required
 - Approach for opening station vault wall (structural integrity)



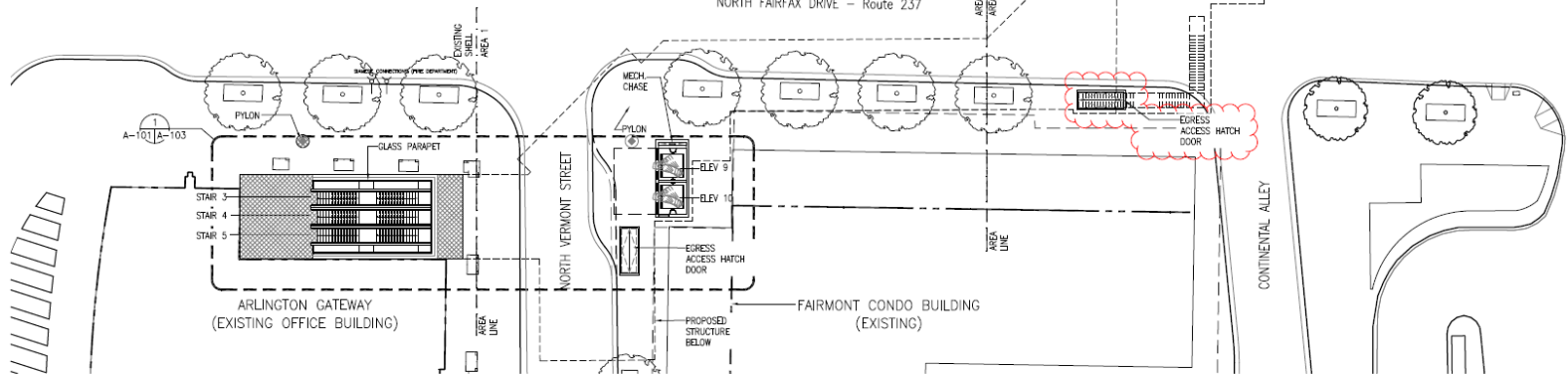
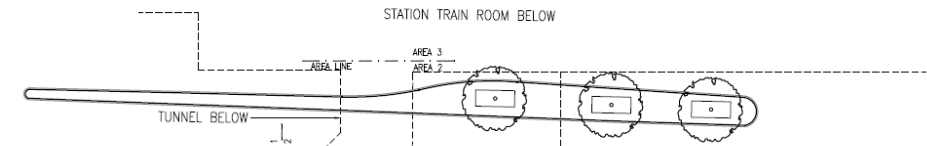
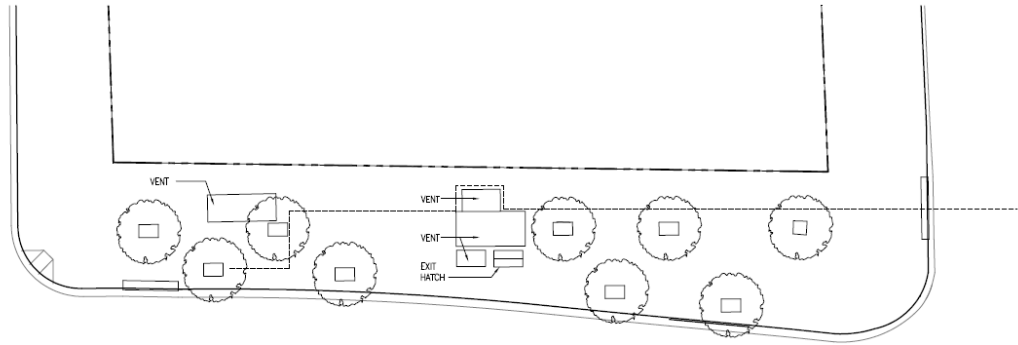
Ballston West Metrorail Station (western end of platform where new mezzanine will be located)



Ballston-MU Metro West Entrance Street Level



Ballston West Station Entrance Location

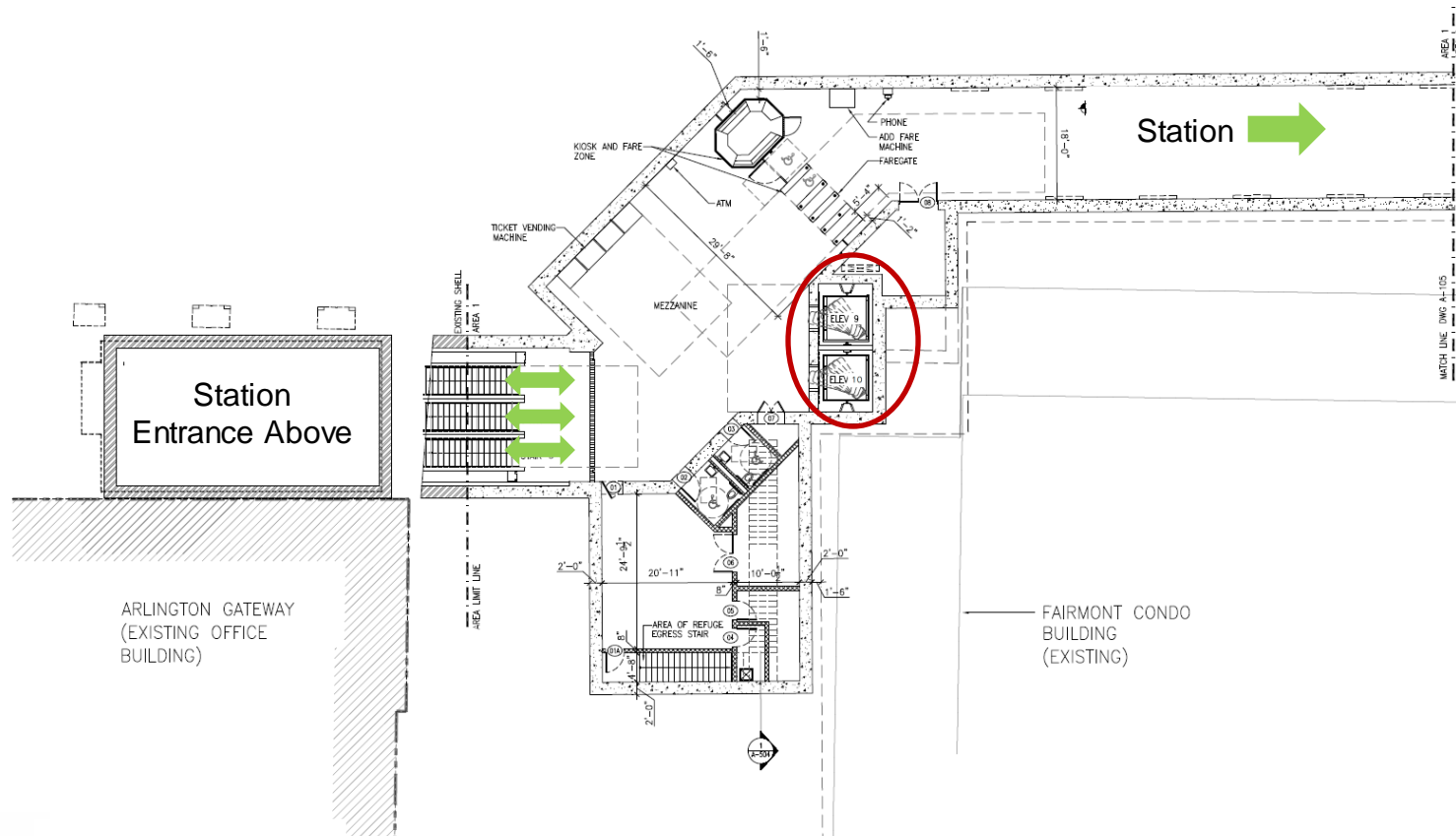


1 SITE PLAN
A-101 SCALE: 1/16" = 1'-0"

Project Location – Fairfax Drive and N. Vermont Street

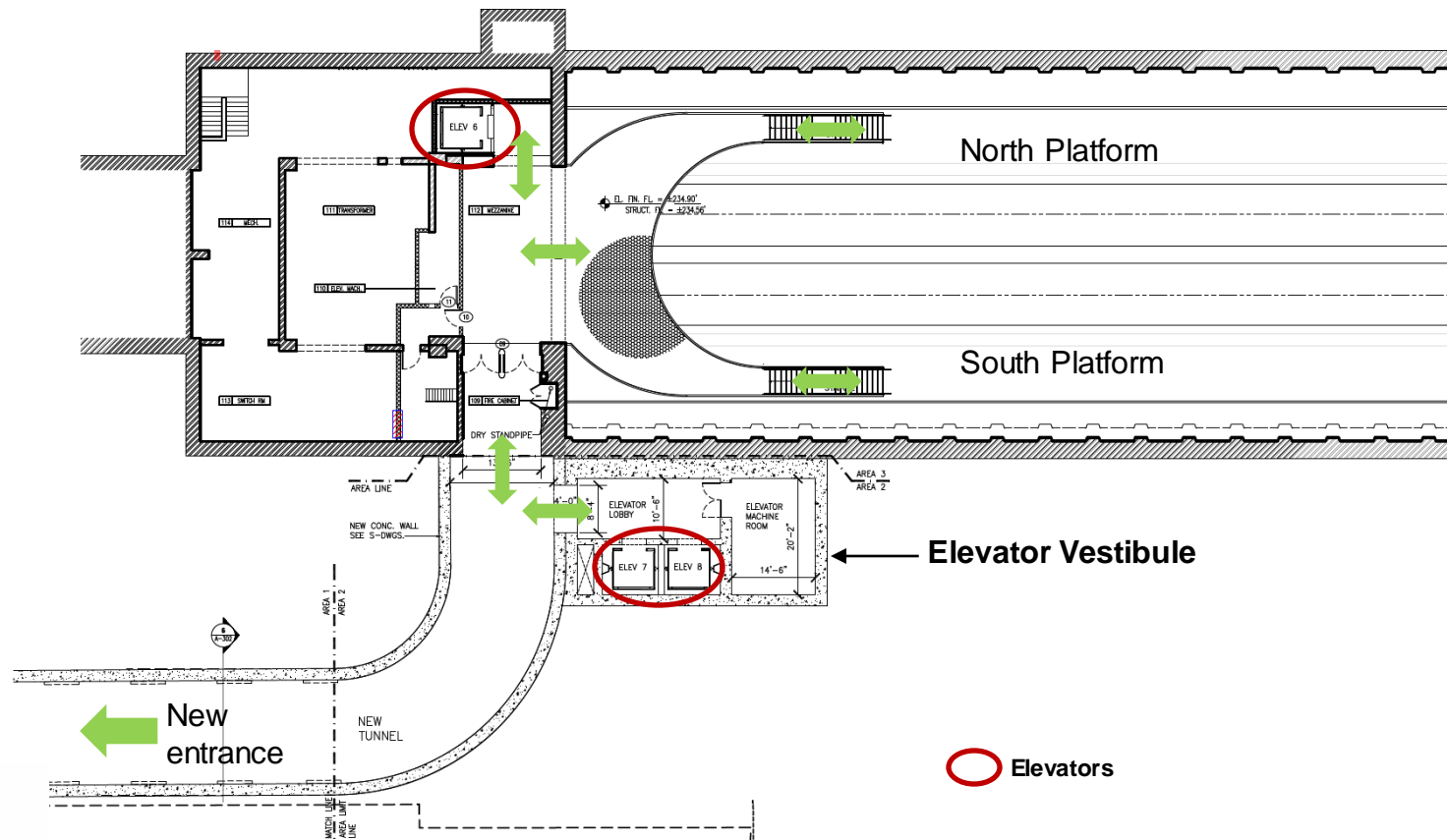
Ballston-MU Metro West Entrance Mezzanine Level

Includes stairs and two-street level elevators connecting to a fare payment area, an underground passageway



Ballston-MU Metro West Entrance Mezzanine Level

Underground passageway continues to the elevator vestibule and station train room with three elevators and two stairs connecting to the platforms



Ballston-MU Metro West Entrance More Information

<https://www.arlingtonva.us/Government/Projects/Project-Types/Transportation-Projects/Ballston-MU-Metro-Station-West-Entrance>



East Falls Church Metro Bus Bay Expansion

- County issued task order to STV for design and engineering in October 2021
 - 30% design underway
 - 60% design in May 2022
 - 100% design in August 2022
- Issue Invitation to Bid (ITB) fall 2022
- Anticipate construction contract award end of 2022
- Public outreach includes:
 - **Virtual community meeting – March 1**
 - Station pop-up event station spring – 2022
 - WMATA Compact Public Hearing – spring/summer 2022
- Coordination with adjacent projects underway

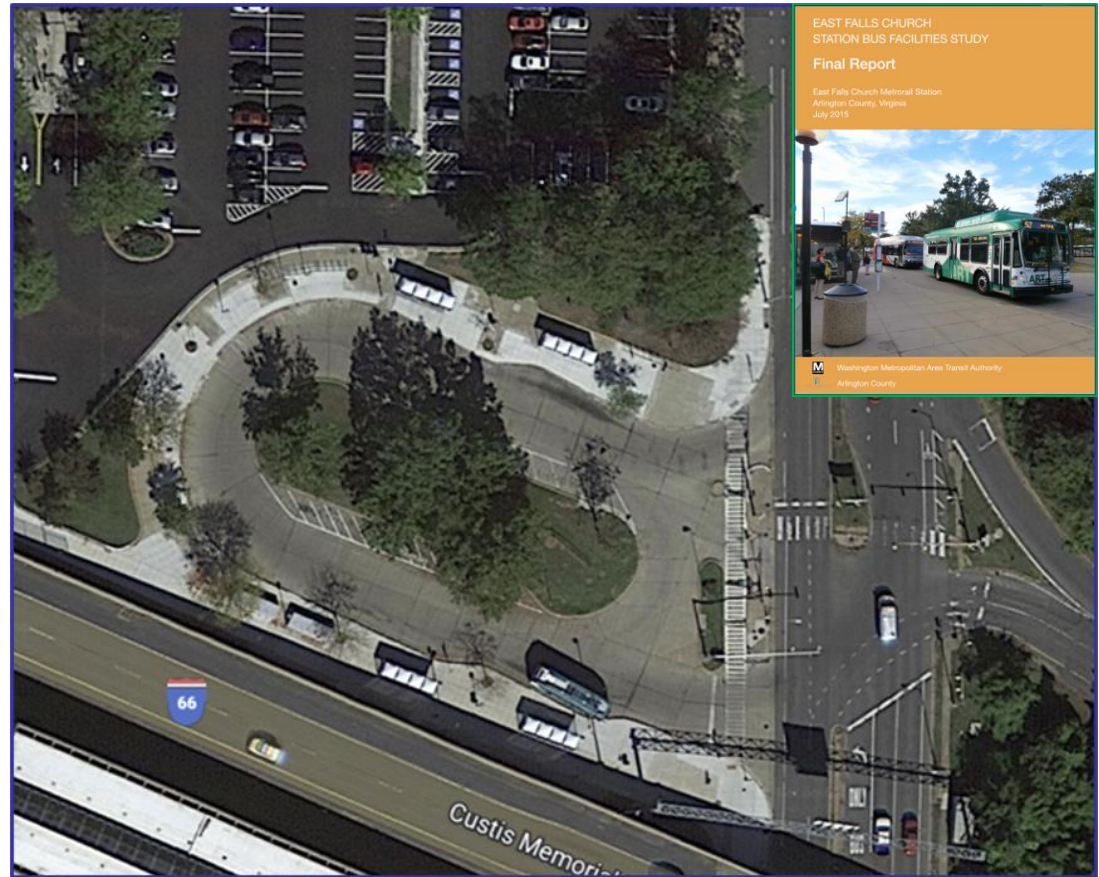


Note: Online Feedback Form Open Through March 20

East Falls Church Metro Bus Bay Expansion

2015 study findings:

- Bus bays are at capacity
- Pedestrian and ADA access improvements are needed
 - Long pedestrian crossing distance (~150') at bus entrance
 - Non-ADA compliant ramps



East Falls Church Metro Bus Bay Expansion



Three new bus bays
(7 new bus bays)

Pedestrian and ADA
access improvements



Bus loop entrance aligned
with I-66 ramp

Bus traffic
improvements



Signal replacement
(Traffic and ped improvements)

Frequent reliable service



East Falls Church Metro Bus Bay Expansion More Information

<https://www.arlingtonva.us/Government/Projects/Project-Types/Transportation-Projects/Bus-Bay-Expansion-at-East-Falls-Church-Metro-Station>

Provide Feedback Until March 20, 2022:

<https://www.surveymonkey.com/r/3LC8ZF7>

