



Dulles Corridor Metrorail Project

Silver Line Phase 2 Implementation

Board Transportation Committee Update

July 9, 2019

Mark Canale, Fairfax County Project Manager
Fairfax County Department of Transportation

Project Status

Phase 1

- Old Meadow Road Realignment – 100% design complete.
 - Utility relocation underway. Construction completion scheduled for the end of 2019.
- VDOT punch list ongoing – MWAA to complete
- Phase 1 close out - \$2.982B (no change)

Phase 2

- Overall Phase 2 – 94% complete
 - Package A (Rail line, system, and stations) – 96%
 - Package B (Rail yard at Dulles) – 97%
 - Contractual Substantial Completion – August 2019
 - WMATA Board to establish Revenue Operations Date
- * Dynamic testing ongoing for the western portion of the track



Phase 2 – Cost Summary

- Budget

- Total Budget \$2.778B
- Total Forecast \$2.778B
- Total Expenditures \$2.079B

- Contingency Utilization

- Total Contingency \$551.5M
- Total Contingency Utilized \$297.1M
- Remaining Contingency \$254.4M

Phase 2 – Current Station and Guideway Activities

- *Continued testing of the Traction Power Substation , Automatic Train Control, and Communications room equipment on the west section of the project.*
- *Stations – Continue installing trim and ceiling panels as inspections are passed. Plumbing, ceramic tile work, and elevator and escalator trim is ongoing.*
- *Civil – Milling and paving on the Dulles International Airport Access Highway from Herndon to Reston.*

Battery Testing at TPSS #12



Phase 2 – Current Station and Guideway Activities

- *Track – Cable trough lids installed along the aerial and west at-grade guideway. Switches in the west were aligned to their final position.*
- *Testing – Dynamic testing ongoing between Dulles Airport and Innovation. Safe braking tests to be completed this spring.*

First Test Trains for Dynamic Testing on Phase Two Guideway



Guideway East of Innovation Station Ready for Testing



Phase 2 – Rail Yard at Dulles Airport

- Office space for Maintenance of Way Building, Service and Inspection Building, and Transportation Building awaiting WMATA furniture installation and final punch out.
- Trainwash Facility to begin testing soon.
- Ongoing work on landscaping and stormwater quality structure.
- Permanent guard house installed and final paving commenced.

Paving the Transportation Building Parking Lot



Installing the Guardhouse Sewage Ejector

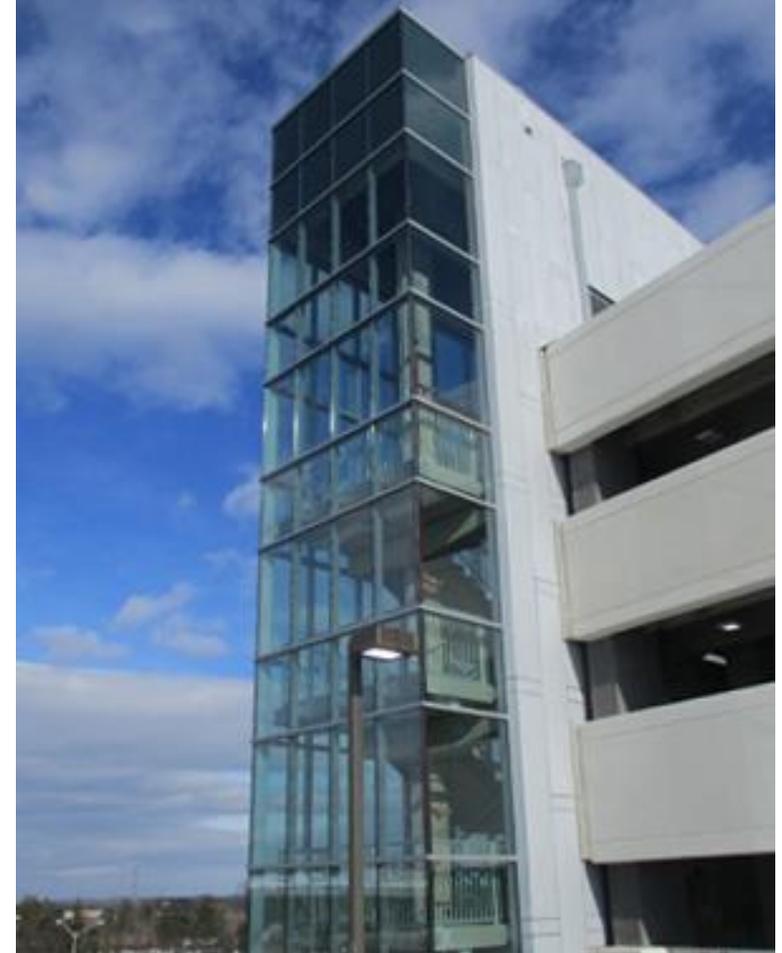


Herndon Metrorail Garage

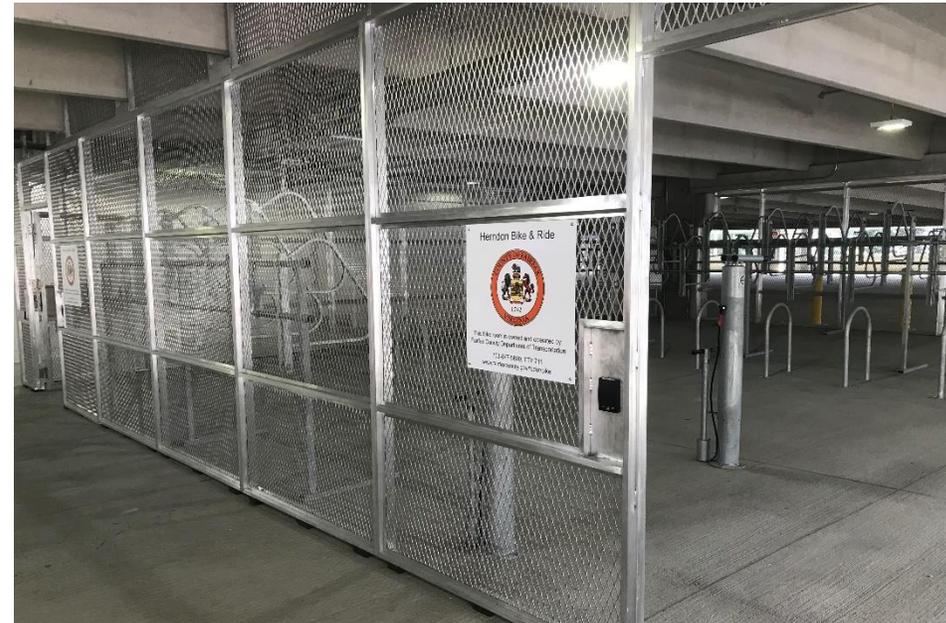
- Total Project Estimate: \$44.5M
- Construction Progress: 100% complete

- New garage received its occupancy permit April 4, 2019
- Opened to the public on April 8, 2019, to facilitate work on existing garage.
- Existing garage repair work initiated in November 2018
 - Completion end of August 2019

Herndon Metrorail Garage



Herndon Metrorail Garage



Innovation Metrorail Garage

- Total Project Estimate: \$52 million
- Construction Progress: 77% complete

Schedule

- Construction Award: March 2017
- Construction Start: April 2017
- Precast Erection Start: April 5, 2018
- Projected Completion: End of 2019

- Construction resumed March 1, 2019, after completion of all remediation

Innovation Metrorail Garage



Reston Town Center Station

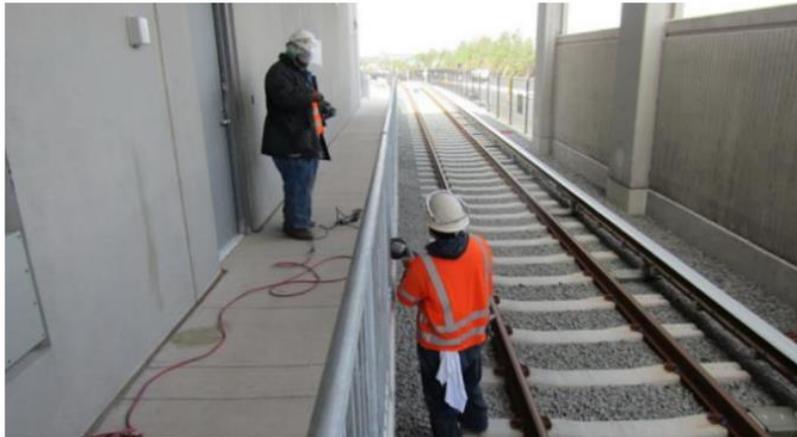
Soffit/Fascia Panel Installation at Reston North Pavilion



Finishing Trim Installation on the Reston Station Vault Roof



Hydro Prepping Handrail for Coating at Reston Station



Herndon Station



Installing Ceiling Panels Along Herndon South Pavilion Sloped Ceiling



Innovation Center Station

Setting Sound Wall Panels at Innovation



Dulles Airport Station



Hanging Metal Cladding Panels Above
Fixed Louvers at Dulles Station



Hanging Framework for Cladding Panel Installation South
Side of Escalators at Dulles Station



Rail Yard Dulles Airport



Excavating for Train Control Room A Entry Walk



Backfilling Underground Fuel Storage Tanks



QUESTIONS?