



Dulles Corridor Metrorail Project

Silver Line Phase 2 Implementation

Board Transportation Committee Update

December 10, 2019

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Fairfax County Department of Transportation

Project Status

Phase 1

- Old Meadow Road Realignment – 100% design complete.
 - Utility relocation underway; two utilities remain
 - Roadway construction to resume in Spring 2020
- VDOT Punch List Ongoing – MWAA to complete
- Phase 1 Close out - \$2.982B (no change)

Phase 2

- Overall Phase 2 – 97% complete
- Package A (Rail, System & Stations) – 97%
- Package B (Rail yard at Dulles) – 97%



Project Status

Phase 2 (continued)

- **General Activities**
 - Dynamic testing – Ongoing
 - Property conveyances and maintenance agreements – Final Review
 - Site inspections and walkdowns – Ongoing
 - Wiehle Reston East Station scheduled shutdowns for testing of Phase 2
 - November 23/ 24 2019 – Completed
 - November 30/ December 01 2019 – Completed
 - All weekends in December 2019 and January 2020 – Approved by WMATA
- **MWAA and WMATA identified concerns - Discussions on remediation are ongoing**
 - Concrete Panel Deficiencies
 - Fouled Ballast at Dulles Rail Yard
 - Concrete Ties/Cross-Level Deficiencies

Project Status

Phase 2 (continued)

- **Construction Status**
 - Civil - Utilities relocation work completed; paving operations, stormwater management ponds, storm drains ongoing
 - Stations – Interior finishes, station clean up, elevator and escalator testing, and lighting installation and other electrical work ongoing
 - Track – Clean-up along the guideway from the Reston Town Center Station to the Ashburn Station ongoing
 - Systems – Traction Power Substations (TPSS) and station equipment testing and final connections, all TPSS have been energized providing power to the contact rails, communications cabling installation and testing, testing of train control systems, preparing track for dynamic testing, working on tie in of Phase 1 track and control systems with Phase 2, and running test trains for safe braking and dynamic testing on various section of the track
 - Rail Yard – Punchlist work for all building at the yard, remedial track work and installation of hoist equipment ongoing
- Package A (Rail, systems, Stations) completion – April 2020 (target date)
- Package B (Yard) completion – February 2020 (target date)
- WMATA Board to establish Revenue Operations Date – TBD

Phase 2 – Cost Summary

- Budget

- Total Budget \$2.778B
- Total Forecast \$2.778B
- Total Expenditures \$2.217B

- Contingency Utilization

- Total Contingency \$551.5M
- Total Contingency Utilized \$308.9M
- Remaining Contingency \$242.6M

Herndon Station



Herndon North Pavilion – Installing Sprinkler System



Reston Town Center Station



Installing Speakers in Ceiling Panels at Reston Station



Innovation Center Station



Innovation North Pavilion – Setting Art in Transit Granite Pavers



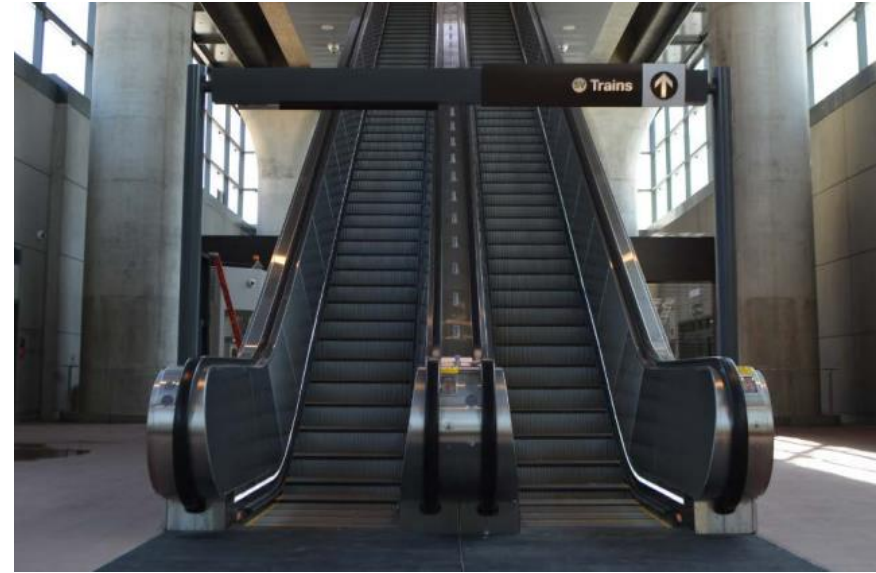
Innovation Station – Troubleshooting Communications Systems



Dulles Airport Station



Escalators at Dulles Station



Dulles Station - Welding Bearing Reinforcement for Station Screen Wall Support



Rail Yard Dulles Airport



Grading in Bio Pond Water Quality Structure



Installing Equipment in Fuel Point



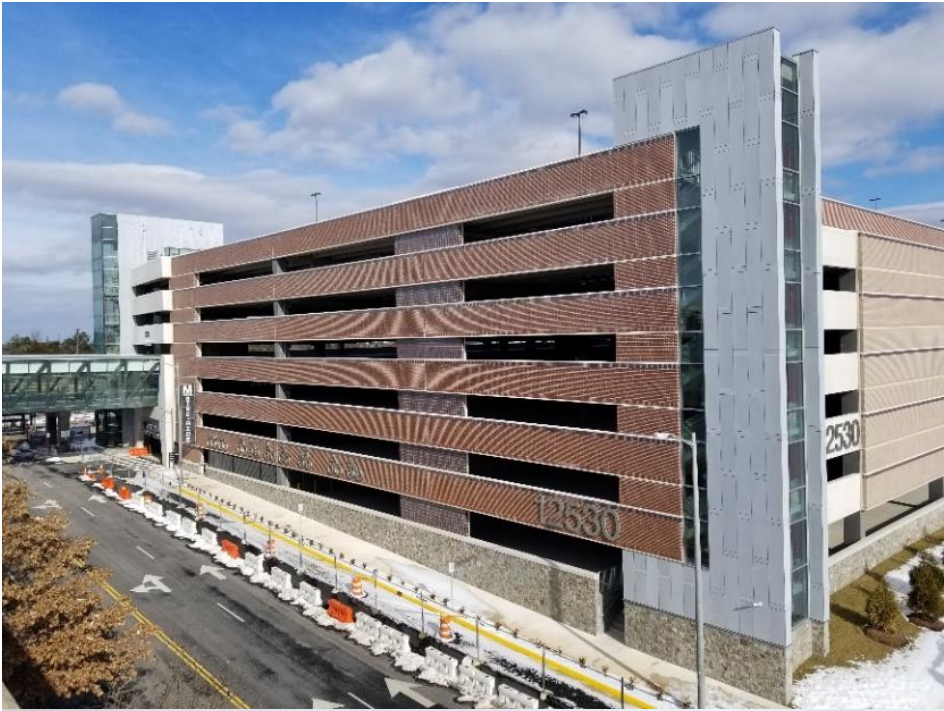
Herndon Station Garage

- Total Project Estimate: \$44.5 M (org. \$56.7 M)
- Construction Progress: 100% complete

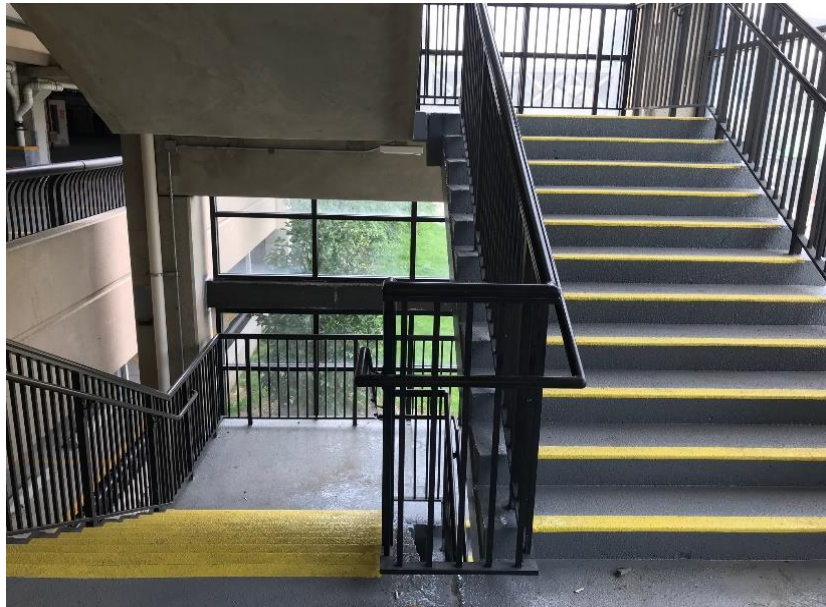
Schedule

- 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 completed September 30, 2019. Reopening expected after loop repaving complete.
- Bus loop repaving underway.

Herndon Station Garage



Herndon Station Existing Garage (repairs)



Innovation Center Station Garage

- Total Project Estimate: \$52 M (org. \$57 M)
- Construction Progress: 92% complete

Schedule

- Construction Award: March 2017
- Construction Start: April 2017
- Precast Erection: Completed
- Projected Completion: February 2020

Innovation Center Station Garage



QUESTIONS?