



Dulles Corridor Metrorail Project

Silver Line Phase 2 Implementation

Board Transportation Committee Update

February 4, 2020

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Fairfax County Department of Transportation

Project Status

Phase 1

- Old Meadow Road Realignment – 100% design complete
 - Utility relocation – almost complete
 - Roadway construction to resume in February 2020 and is scheduled to complete in June 2020
- VDOT Punch List Ongoing – MWAA to complete
- Phase 1 Close out - \$2.982B (no change)

Phase 2

- Overall Phase 2 – 98% complete
- Package A (Rail, System & Stations) – 98%
- Package B (Rail yard at Dulles) – 98%



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
 - Approved shutdown in Jan/Feb were canceled until Phase 1 systems integration complete

- **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, communications cabling installation and testing, testing of train control systems, preparing track for dynamic testing, 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 – Mid 2020 (target date)
- Package B (Yard) completion – Fall 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 \$2.240B

Contingency Utilization

- Total Contingency \$551.5M
- Total Contingency Utilized \$319.0M
- Remaining Contingency \$232.5M

Fairfax County Parking Garages

- Herndon Station Garage

- Total Project Estimate: \$44.5M (org. \$56.7M)

- Construction Progress:

- New Garage is 100% complete (Opened to public on April 8, 2019).
- Existing garage repair work completed September 30, 2019. Reopening expected before Silver Line Phase 2 revenue services.
- Bus loop was repaved and reopened to the public on January 5, 2020.

- Innovation Center Station Garage

- Total Project Estimate: \$52M (org. \$57M)

- Construction Progress:

- Garage is 96% complete.
- Substantial completion date: February 2020.
- Installing elevators and finishes inside the garage. Finalizing utility installation and testing. Constructing bioretention pond. Finishing landscaping and concrete work outside the garage.

Package A Progress Photos

Placing River Rock at Herndon North Pavilion



Finishing Trim on Reston N Ped Bridge



Tie Breaker Station (TBS) #16
Exterior Enclosure



Apply Evonik Protectosil on Precast at Innovation
Center Station Stair Tower



Electricians Sealing Conduits at Traction
Power Substation (TPSS) #14



Package B Progress Photos



Hoist Installation in SIB



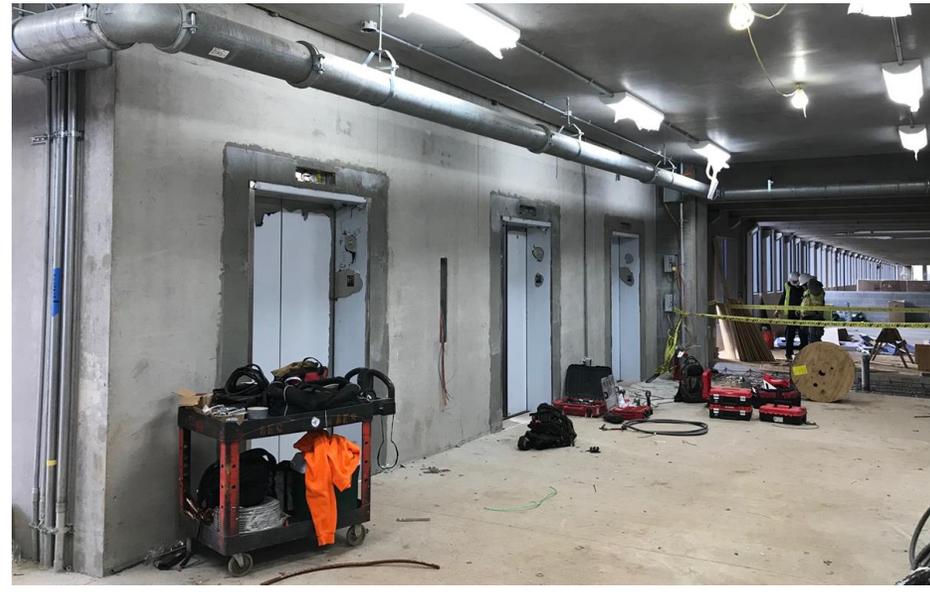
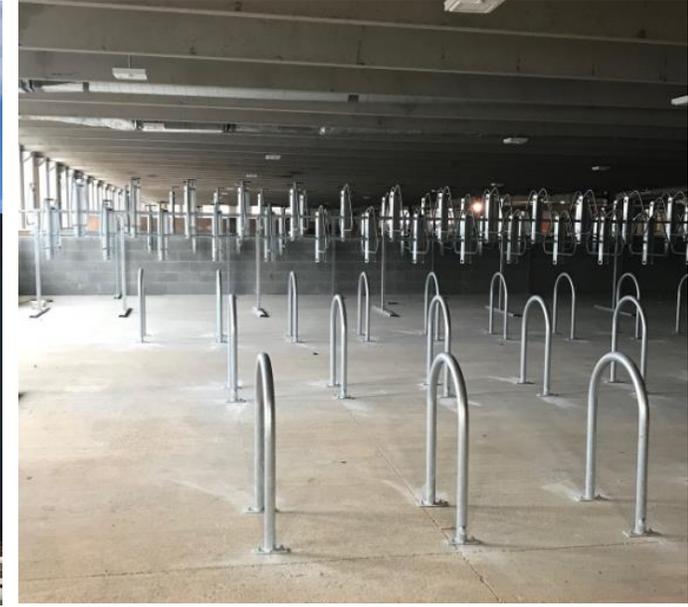
Inspecting Fuel Dispensing Point



Herndon Station Garage



Innovation Center Station Garage



QUESTIONS?