



Dulles Corridor Metrorail Project

Silver Line Phase 2 Implementation

Board Transportation Committee Update
December 12, 2017

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Fairfax County Department of Transportation

Project Status

Phase 1

- Old Meadow Road Realignment – 90% design complete. Construction completion scheduled for the end of 2018.
- VDOT punch list ongoing – MWAA and Bechtel to complete
- Phase 1 close out - \$2.982B (no change)

Phase 2

- Overall Phase 2 – 73% complete
- Package A (Rail line, system, and stations) – 74%
- Package B (Rail yard at Dulles) – 69%
- Contractual Substantial Completion – August 2019
 - WMATA Board to establish Revenue Operations Date

Phase 2 – Station Construction

- *Reston Town Center Station* – Precast & structural steel detailing, pavilion area work ongoing, pedestrian bridge erection
- *Herndon Station* – Structural steel painting and detailing, south pavilion construction, pedestrian bridge erection and decks poured
- *Innovation Station* – Detailing work, pedestrian bridge erection, pavilion construction, skylights installed, electrical and plumbing



Phase 2 – Station Construction

- *Dulles Airport Station* – Structural steel roof erection, station mechanical/electrical/plumbing work, tunnel tie-in
- *Loudoun Gateway Station* – Station precast, roof erection, mechanical electrical plumbing rough in, pedestrian bridge are being assembled
- *Ashburn Station* - Station foundation, columns, support walls, precast erection, and pedestrian bridge being assembled



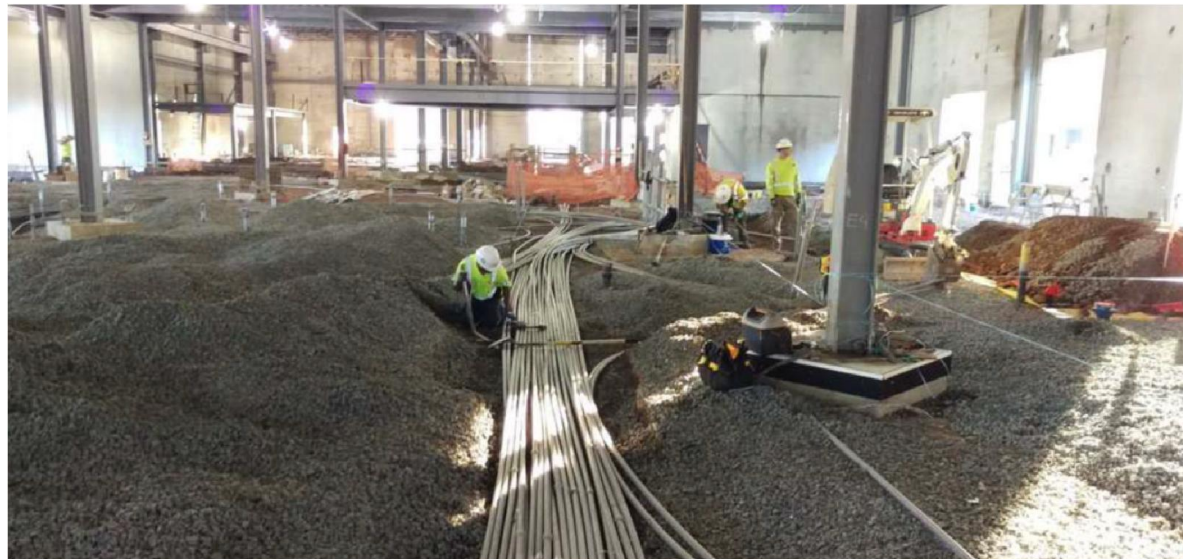
Phase 2 – Aerial, Track, Utilities, Systems

- Pedestrian bridges set at Herndon, Reston Town Center, and Innovation Center Station
- Aerial guideway rail and concrete ties, switch work, track
- Utility Relocation ongoing
- Traction Power Feeders – continue to install duct bank to tie into Traction Power Substations (TPSS) and Tie Breaker Stations (TBS)
- Ground grids being installed to TPSS and TBS, continue 34.5kV cable installation and conduit installation
- Three TPSS structures delivered and assembled on slab



Phase 2 – Rail Yard at Dulles Airport

- Under Construction - Service and Inspection Building, Maintenance Way Building, Transportation Police Building, Train Wash Facility, Warehouse Facility, Vehicle Storage Facility
- Ongoing - Track work in rail yard, utility installation, duct bank, storm lines, sanitary lines, water lines, site lighting, and site road work.



Phase 2 – Cost Summary

- Budget

- Total Budget \$2.778B
- Total Forecast \$2.778B
- Total Expenditures \$1.482B

- Contingency Utilization

- Total Contingency \$551.5M
- Total Contingency Utilized \$197.8M
- Remaining Contingency \$353.7M

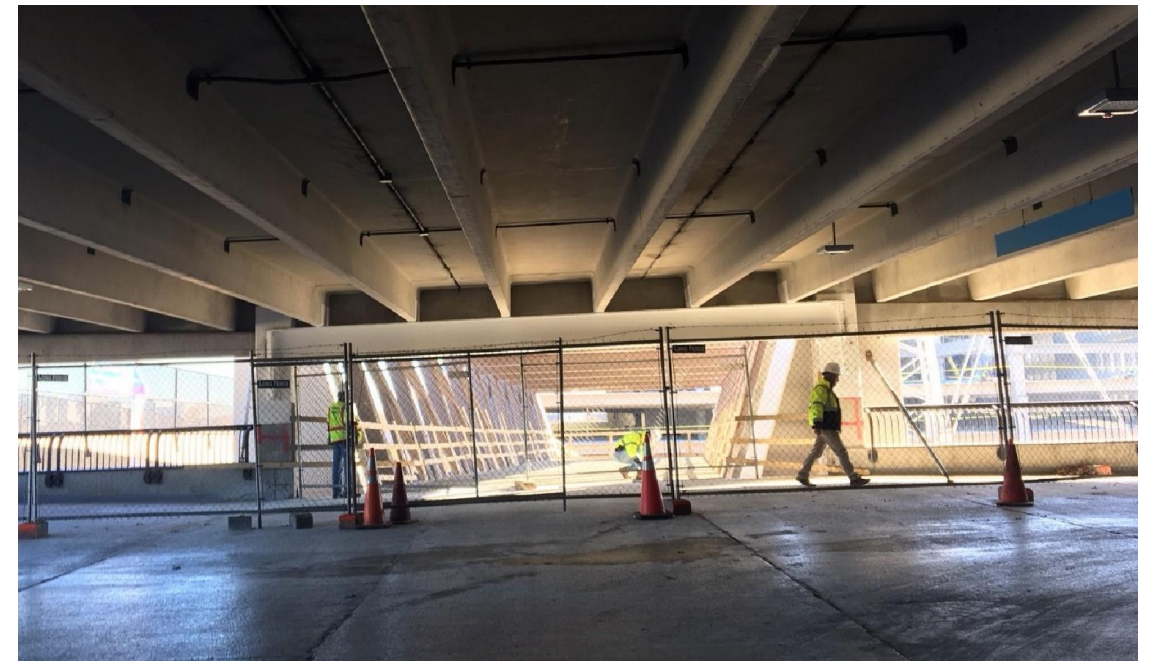
Herndon Metrorail Garage

- Total Project Estimate: \$44.5M
 - Construction Progress: 55% complete
 - Garage Bridge Erection: Completed Nov 2017
- Access road re-opened as scheduled-*

Schedule

- Construction Award: October 2016
- Construction (new garage): November 2016 – March 2019
- Construction (existing garage): February 2019 – March 2019
- Ready for Occupancy: April 2019

Herndon Monroe Bridge Construction



Herndon Metrorail Garage



Innovation Metrorail Garage

- Total Project Estimate: \$52 million
- Construction Progress: 18% complete
- Precast Fabrication: October 2017
- Precast Erection: April 2018

Schedule

- Construction Award: March 2017
- Construction: April 2017
- Ready for Occupancy: April/May 2019

Innovation Metrorail Garage



Reston Town Center Station



Reston Station Pedestrian Bridges



Reston Town Center Station Pavilions



Herndon Station



Herndon Station Pavilions



Herndon Station Pedestrian Bridges



Innovation Center Station

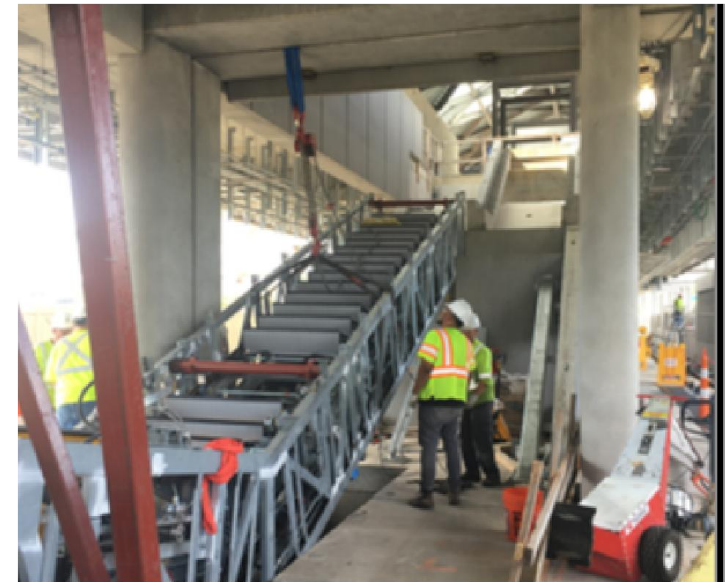
Innovation Center Station



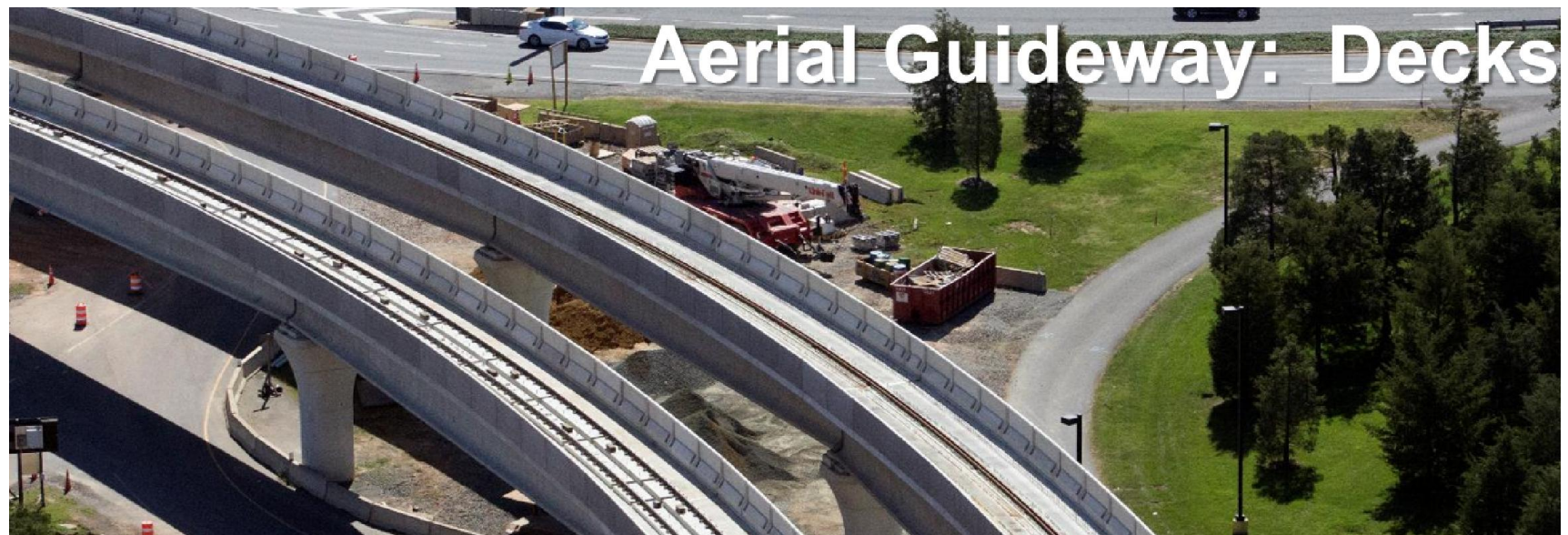
Innovation Station Pedestrian Bridges



Innovation Station Pavilions



Dulles Airport Station



Rail Yard Dulles Airport



QUESTIONS?