



# Metrorail on Track

## Construction Continues All Along the Alignment



*The crossbeams pictured above will support Metro's Dulles Airport Station when complete and connect with the terminal, pictured in the background, via a pedestrian tunnel with moving sidewalks. (Photo by John Kearney, Dulles Corridor Metrorail Project)*

The coming weeks will be jammed with a host of construction work all along the second phase of the Silver Line from Reston to Ashburn. Here's a preview:

- At Dulles International Airport, girders for aerial guideway will be set. Deck work will continue at the airport and in the rail yard just west of the airport itself. The last of eight straddle bents along the aerial guideway will be poured around the end of February and the concrete form is scheduled to be stripped in March.
  - Directional drills for 34.5kV duct bank under some airport roads will be ongoing.
  - Tracks: Plinth and direct fixation track, as well as special track (switch) work will be ongoing along the aerial guideway at the airport, and ballasted track work near Monroe/ Van Buren Street continues. Double crossover east of Horsepen Run bridge will be installed.
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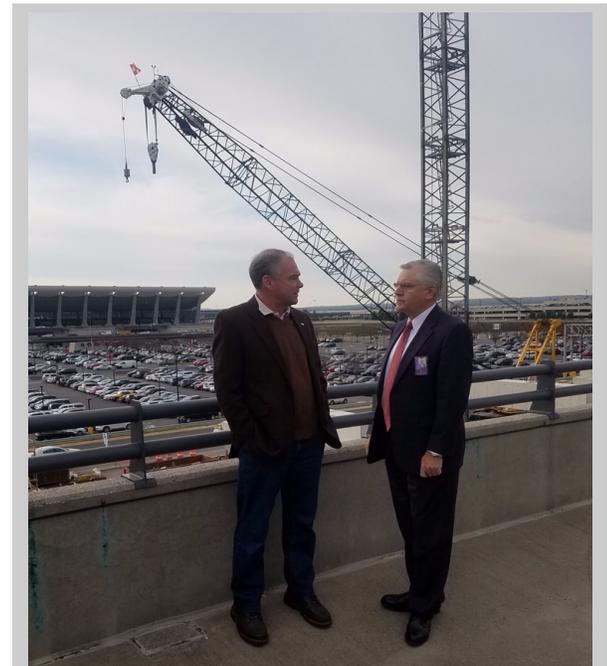
*DCMP crews continued setting girders (left) and building a straddle bent (right) needed to span the Dulles Greenway throughout January. Heaters and heat blankets allowed the concrete to cure properly despite frigid temperatures. (Photos by Jennifer Thomas Alcott, Capital Rail Constructors)*

## Looking Way Ahead

**Innovation Center Station – (North end):** The pedestrian shafts and excavation sound wall at the north end of Innovation Station will be completed by June or July 2017. Embankment work has started and is awaiting additional fill material.

**Innovation Center Station – (South end):** There are several developments happening at the south end of Innovation station. Embankment work near the pavilion has started and is ongoing with precast work to start next month.

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*U.S. Sen. Tim Kaine (D-VA) speaks with Executive Director of the Dulles Corridor Metrorail Project, Charles Stark, during a recent project tour.*



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- On the far western end of the line, additional 35.4kV duct bank and storm drainage work in the median of the Dulles Greenway will continue. Jack and bore work for utilities under the Dulles Greenway is expected to be completed in late February/early March. Track wall construction west of Loudoun County Parkway begins late February/early March.
- Traction Power Substation #15 will be energized with permanent 34.5kV power from Dominion Virginia Power's Dulles Substation.

#### Stations:

##### Reston Town Center Station

- Station steel erection will start in April.
- Pedestrian bridge drilled shaft work on the north side of the station will begin, to be followed by cap and column construction.
- North pavilion cast in place work will be completed.
- Interior station build-out.

##### Herndon Station

- At TPSS # 13, drill shafts for screenwall start in late March.
- At Herndon Station south pavilion site, precast erection

begins in late March, followed by steel erection in April.

##### Innovation Center Station

- Pedestrian bridges on the south side of station will be set.
- Flat roofs will be completed and ceiling framing begins.
- Electrical switchgear will be set.
- Work on the vault standing seam roofing system will start along with work on the retaining wall at the north pavilion.
- Communications installations begin.

##### Dulles Airport Station

- Escalator installation and structural steel erection start.
- Re-routing of fiber line begins.

##### Loudoun Gateway Station

- Concrete foundation will be completed, and walls and column construction will continue.
- Precast erection is scheduled to start in April.

##### Ashburn Station

- Concrete finishes in March, and precast erection will be ongoing in March and April.
- Block walls inside the station known as Concrete Masonry Units will start in early April.



Once opened, Metro passengers will be able to ride the Silver Line to Dulles International Airport, providing a high-capacity rail connection between the airport and Washington, D.C.  
(Photo by John Kearney, Dulles Corridor Metrorail Project)

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The pedestrian bridges will be erected in the following order: (8, 5, 6 and 7). Work on the pedestrian bridge along Sunrise Valley Drive (#7 and 6) will begin in a couple of weeks. A 20-minute road flagging or lane closure detour may be issued when determined.

**Sunrise Valley Drive:** Frontage work has been completed that includes a completed tree clearing and ongoing utility locating. Capital Rail Constructors (CRC) is still working on plating a portion of the Dulles Access Road.

**Herndon Station - Garage Work along Sunrise Valley Drive:** Contractor Manhattan will close the east access of garage (Nov. – Feb. 2017) after western access is made available by CRC. They will start at the end of the month with interior garage work to facilitate the north access road. The existing northwest in-only access is anticipated to be closed from March to May to allow for the temporary reconfiguration of the entrance. Installation of telecomm and electrical conduit will take place in mid-March. CRC's coordination of the pedestrian bridge installation will continue to be monitored and may impact bus lanes and cause nighttime lane closures.

## Big Numbers!

Did you know that construction of the aerial guideway to support tracks at Washington Dulles International Airport and west to the Dulles Greenway:

- Is approximately **3.8 miles**.
- Requires **6,217 tons of steel**, all American made.
- Uses **50,539 cubic yards** of concrete.



Electrical duct bank stub at the site of Ashburn Station in the median of the Dulles Greenway will contain and protect the power lines that will provide electricity to the station. (Photo by Richard Lynch, Capital Rail Constructors)

Want to know more or set up a briefing? Visit [www.dullesmetro.com](http://www.dullesmetro.com), call (703) 572-0506 or email [outreach@dullesmetro.com](mailto:outreach@dullesmetro.com).  
To report construction concerns, call our hotline: 1-844-385-7245