

# Orange Line Transformation

## Construction Project Updates



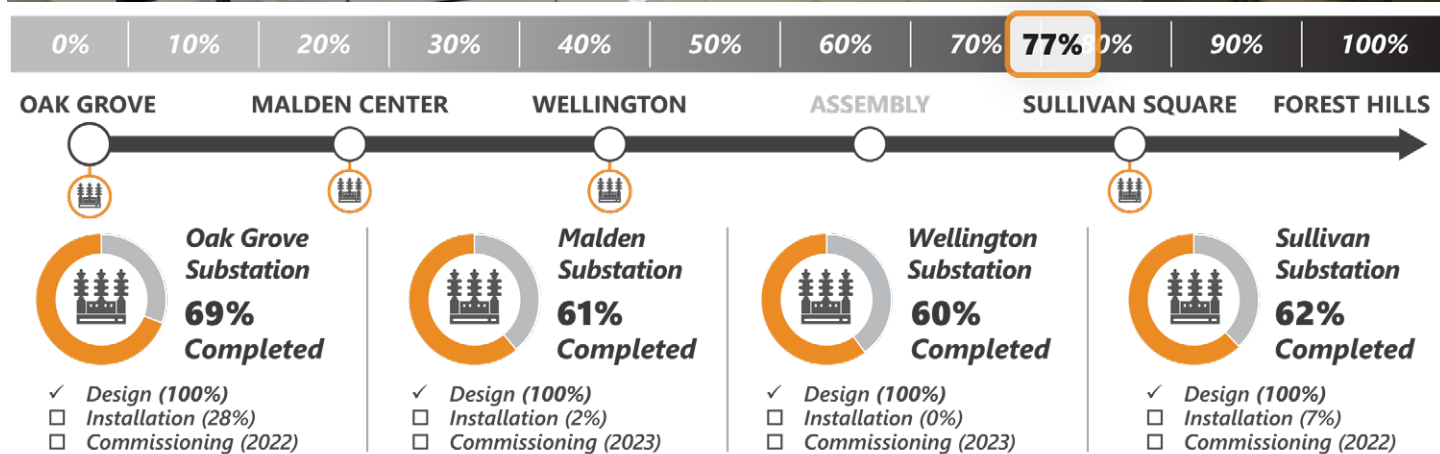
## Week in Review and Lookahead

Friday, December 10, 2021

Welcome to the new Orange Line Transformation report, where the Capital Transformation team will keep you updated on the projects underway to upgrade yards, maintenance facilities, test tracks, signals, and power systems. We're working to increase capacity and improve reliability, which will require additional improvements to stations, track, signals, and power systems.



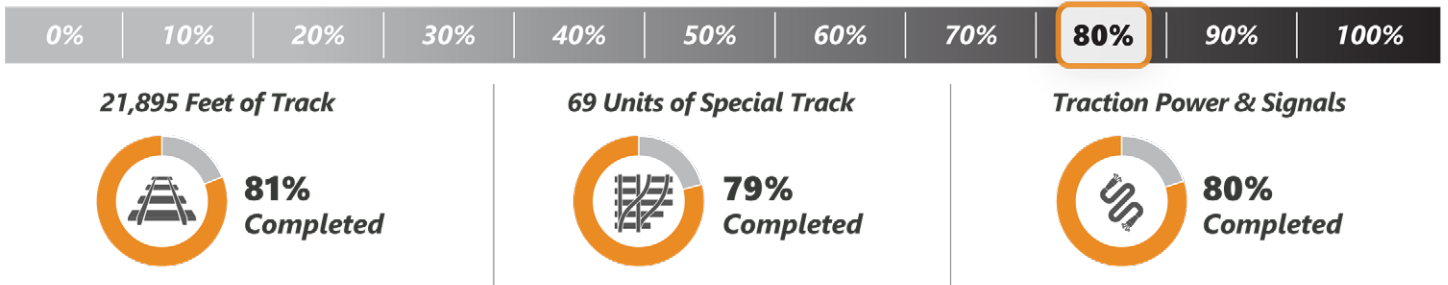
### Traction Power Substations



**Traction Power Substations:** Modernize the third rail power supply to reduce the risk of service disruptions; develop a power system capable of supporting additional Orange Line service

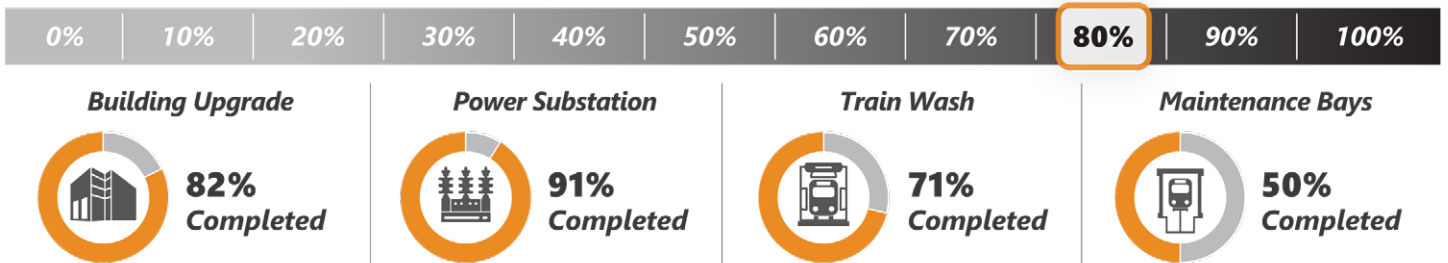
- ✓ **This Week** | Electricians installed a backup battery system at the Oak Grove substation which will allow critical power equipment to keep operating in the event of power loss
- **Lookahead** | Engineers will test new software for the substations in preparation for integration with the MBTA's existing communications system – this supports improved remote operation of the substation

# Wellington Yard and Maintenance Facility Updates



**Wellington Yard:** Upgrade Wellington Yard to increase service capacity, replace outdated infrastructure, and enhance safety.

- ✓ **This Week** | Completed the replacement of two storage tracks, which included new power and signal systems
- **Lookahead** | Shall begin the replacement of two more storage tracks, including underground signals, power, and drainage systems



**Wellington Maintenance Facility:** Modernized the Vehicle Maintenance Facility to improve vehicle maintenance; reducing customer wait times, provide cleaner cars, and deliver safer operations.

- ✓ **This Week** | Crews focused on supporting the vehicle maintenance pits, which allows mechanics to access the undersides of trains to diagnose issues and make repairs
- **Lookahead** | Electricians will install new heating and air conditioning ductwork to provide an enhanced environment for mechanics to perform train repairs