

Manufacturing in Springfield Massachusetts

For the final assembly of the MBTA's Red and Orange Line cars, CRRC MA constructed a 204,000 sf rail car manufacturing facility in Springfield, Massachusetts. The facility includes a 2,240 foot vehicle test track and a staging/storing area. CRRC MA has also rehabilitated the historic Westinghouse Facility as its Engineering and Administration Building.

Of CRRC MA's current workforce of 177 full-time employees, 102 are stationed at the Springfield Facility.

The first four carshells were delivered in April 2018. Final assembly is underway and these Orange Line vehicles are scheduled to be delivered in December 2018. Red Line vehicle assembly will follow with the first Red Line Production cars being delivered in November 2019.



MBTA's New Red Line Vehicles

The procurement of the new Red and Orange Line fleets has reached an exciting milestone. In recognition, the MBTA invites the public to view and experience the engineering mock-up of the new Red Line vehicles, which provides an actual representation of the car design, including amenities, aesthetics, and ergonomics. This mock-up is used by the MBTA and CRRC MA engineers during the vehicle development process.

Better Ergonomics, Brighter Ride

Improved interior design allows for better access to handrails while new LED lighting offers a brighter passenger experience.



Accessibility Improvements

The new vehicles will also feature important accessibility improvements, including:

- Wider side door openings for easier boarding
- Gap Mitigation Devices to bridge the gap between the car and the platform
- Four accessibility areas per car
- Passenger Emergency Intercoms provide passenger access to train crew
- Audio and visual information displays assist passengers as they travel
- Improved handrail design – easier to reach

1. Improved handrail design and new station announcement signs
2. 24" LCD for passenger information
3. Wider side doors



A Whole New Fleet of Red and Orange Line Vehicles are on the Way!

The MBTA is procuring the new Red and Orange Line fleets in parallel, so many systems and components are interchangeable. This means the Red Line Mock-up looks similar to the Orange Line Mock-up displayed last year, but more importantly this means a reduced cost of ownership to the MBTA for the life of the new fleets.

These new, improved fleets include 152 Orange Line cars and 252 Red Line cars and will completely replace the aging fleets.

Upcoming Milestones

- **December 2018**
Delivery of the Orange Line production fleet begins
- **March 2019**
Six (6) Red Line Pilot Cars begin testing
- **November 2019**
Delivery of the Red Line production fleet begins

