



Massachusetts Bay Transportation Authority

Red/Orange Line Vehicle Procurement

Project Update

November 6, 2017



Project Overview

On December 18, 2014, the MBTA issued a Notice-to-Proceed to CNR (now CRRC MA) for the design, construction and delivery of new rail heavy vehicles for operation on the MBTA's Red and Orange Lines.

- Base contract and options:
 - 152 Orange Line Cars
 - 132 Red Line Cars
- The MBTA subsequently executed an amendment for an additional 120 Red Line Vehicles, bringing the total procurement to 404 cars
- Total CRRC Budget \$ 815,714,977





Project Status – Orange Line

The first 6 Orange Line Cars (pilots) are undergoing robust testing. Four of these cars are being prepared for shipment to Boston. Two cars will remain in Changchun for parallel testing.

- Delivery of 4 Pilot Cars (December 2017)
- Pilot Car Qualification and Acceptance Testing (through December 2018)
- Pilot Cars entering Revenue Service (Fall 2018)
- Production Delivery Starts (December 2018)





Project Status – Orange Line





Project Status – Red Line

In August 2017, MBTA and CRRC held a lessons learned session intended to apply the Orange Line lessons prior to beginning the Red Line design process. The Red Line design process will also benefit from using many of the same sub-system components already designed and tested for the Orange Line Cars.

- Delivery of Pilot Cars (March 2019)
- Red Line Production Car delivery (November 2019)





Project Status – Springfield Facility

On October 12, 2017, CRRC held a ribbon cutting ceremony for its \$95 million, 204,000-square-foot final assembly facility in Springfield. The event was attended by Governor Baker, Lt. Gov Polito, General Manager Ramirez and Springfield Mayor Sarno.

- Production and Quality Assurance Staff are training in Changchun
- Assembly of first Orange Line Production Cars will commence in April 2018
- MBTA has performed a readiness audit to monitor Transfer of Technology and is monitoring key milestones

