



Massachusetts Bay Transportation Authority

Red/Orange Line Vehicle Procurement

Project Update

January 8, 2018



Project Overview

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

- Fleet size:
 - 152 Orange Line Cars
 - 132 Red Line Cars
- An amendment was executed on March 3, 2017 for an additional 120 Red Line Vehicles, bringing the total procurement to 404 cars
- Total CRRC Budget \$ 815,714,977



Project Status – Orange Line

On December 20, 2017, the MBTA received the first of 4 Orange Line Cars (pilots) at Wellington Carhouse. Two other pilot cars will undergo parallel testing in Changchun China before being shipped to Boston in June 2018.

- Pilot Car Qualification & Acceptance Testing (through December 2018)
- Pilot Cars entering Revenue Service (anticipated October 2018)
- Production Delivery Starts (December 2018)





Project Status – Red Line

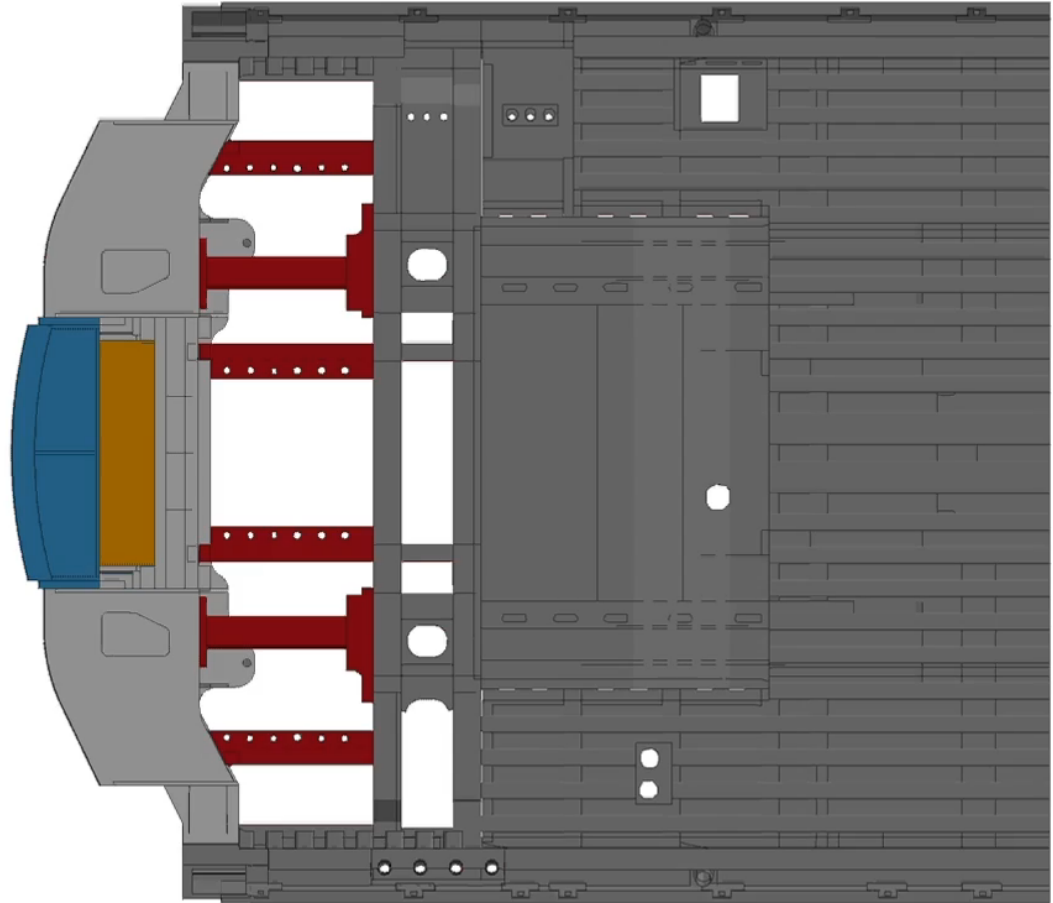
The design process for the Red Line cars is ongoing, with structural design and component testing having been performed in December 2017.

Further design meetings are scheduled for January 2018, with a review of the Red Line mock-up scheduled for March 2018.

- Evaluation of Mock-Up (In China) (March 2018)
- Carbody Testing (May 2018)
- Delivery of Pilot Cars (March 2019)
- Red Line Production Car delivery (November 2019)

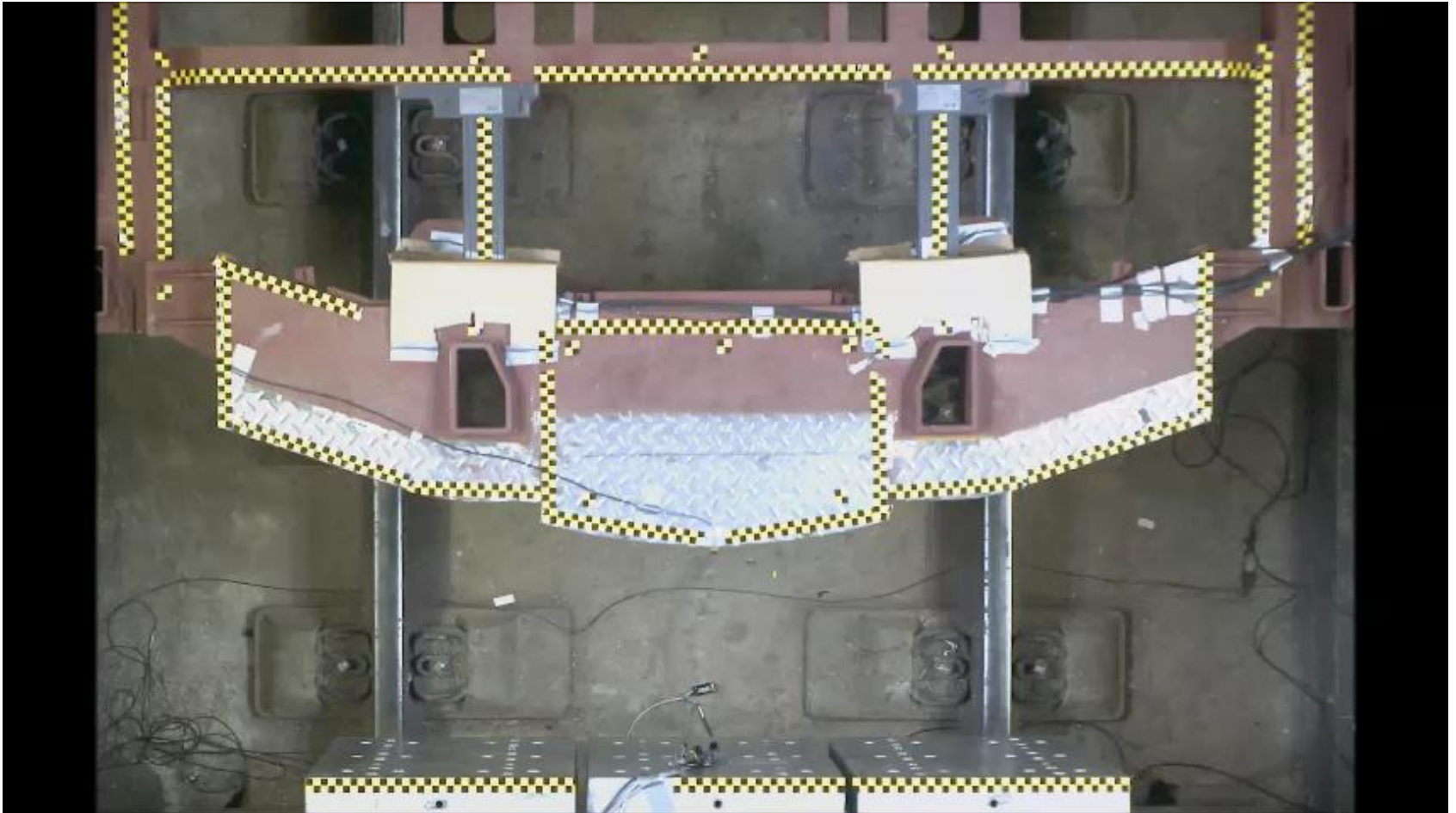


Project Status – Red Line





Project Status – Red Line





Project Status – Springfield Facility

- Assembly of first Orange Line Production Cars will commence in April 2018
- The first car assembled in Springfield, MA are expected to be delivered in December 2018

