



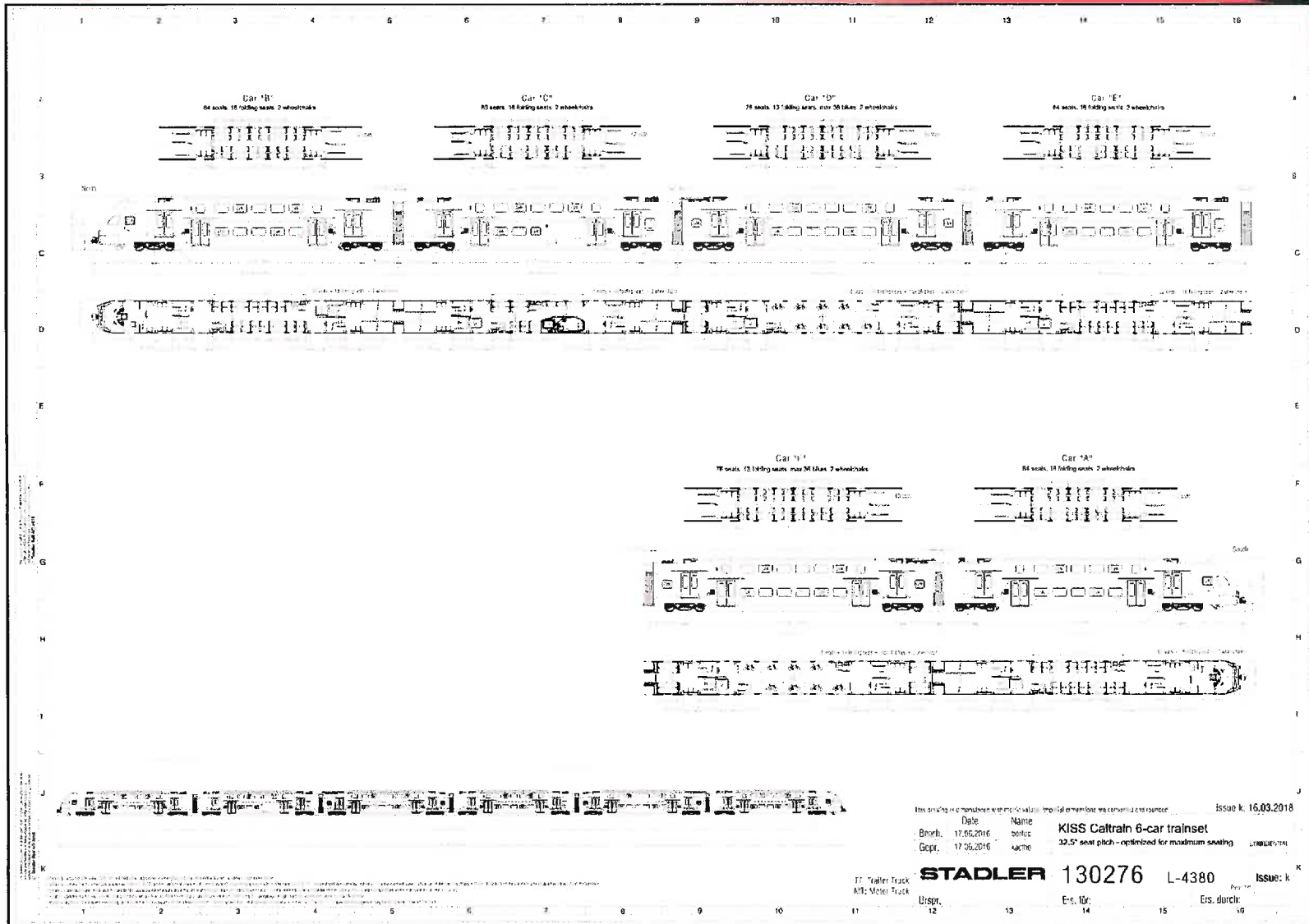
Caltrain EMU Update

Citizens Advisory Committee
May 20, 2020
Agenda Item #8



Caltrain is procuring 19, 7-Car Trainsets





Emergency Exits





Vehicle Features and Passenger Amenities



Amenities and Features

- **Passenger emergency intercom**
- **Emergency brake lever**
- **Emergency exit windows – both levels**
- **Automatic passenger counter**
- **Accessible toilet (“C” Car)**
- **Bike storage in bike cars**
- **Passenger Information Display (Destinations)**
- **Passenger Brochures**
- **Public Announcement System**
- **Under-seat electrical outlets**
- **Interior LED lighting and temperature control**
- **Passenger WiFi provisions**

Accessible Toilet



Lower Level Entrance Restroom Car

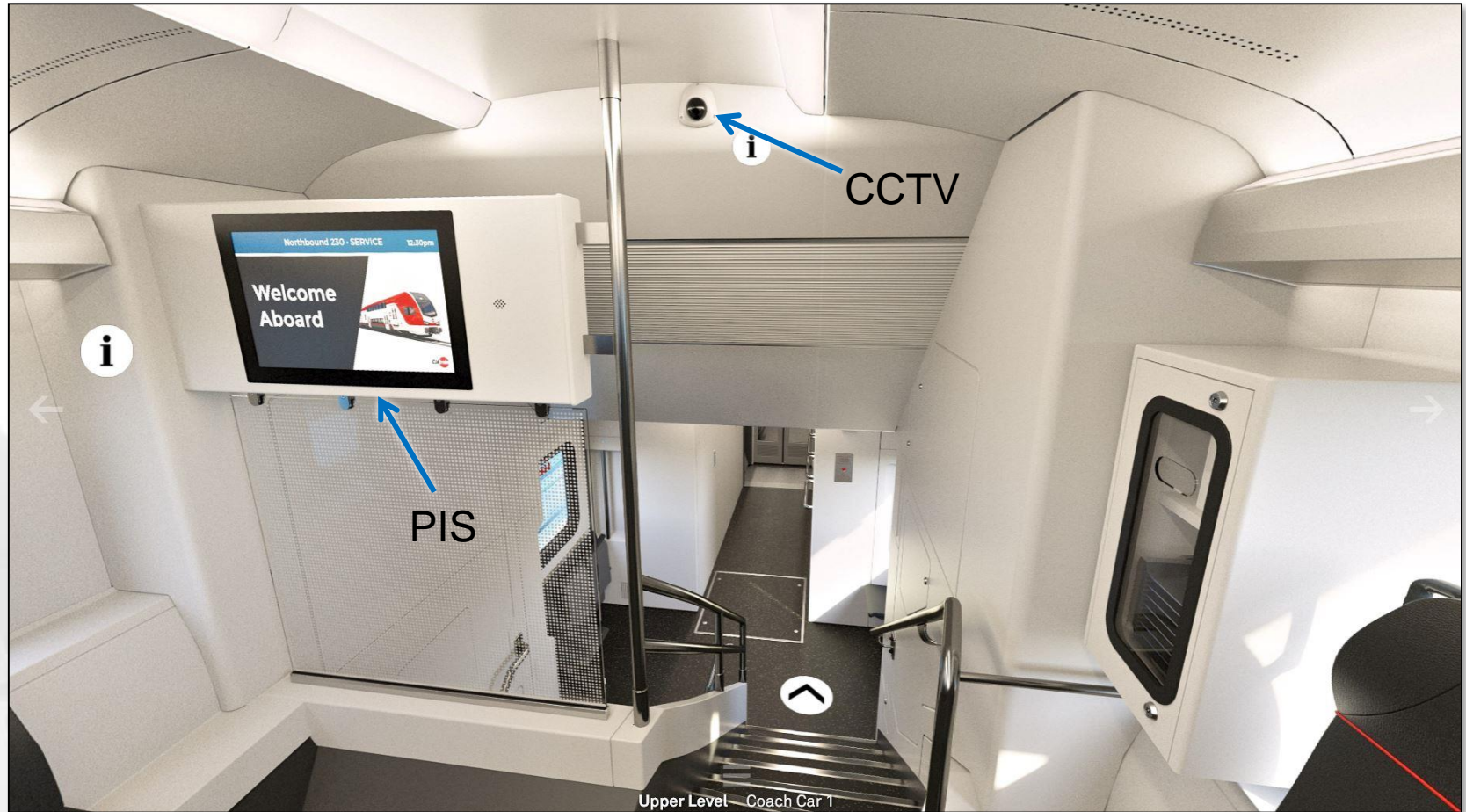
Bike Car



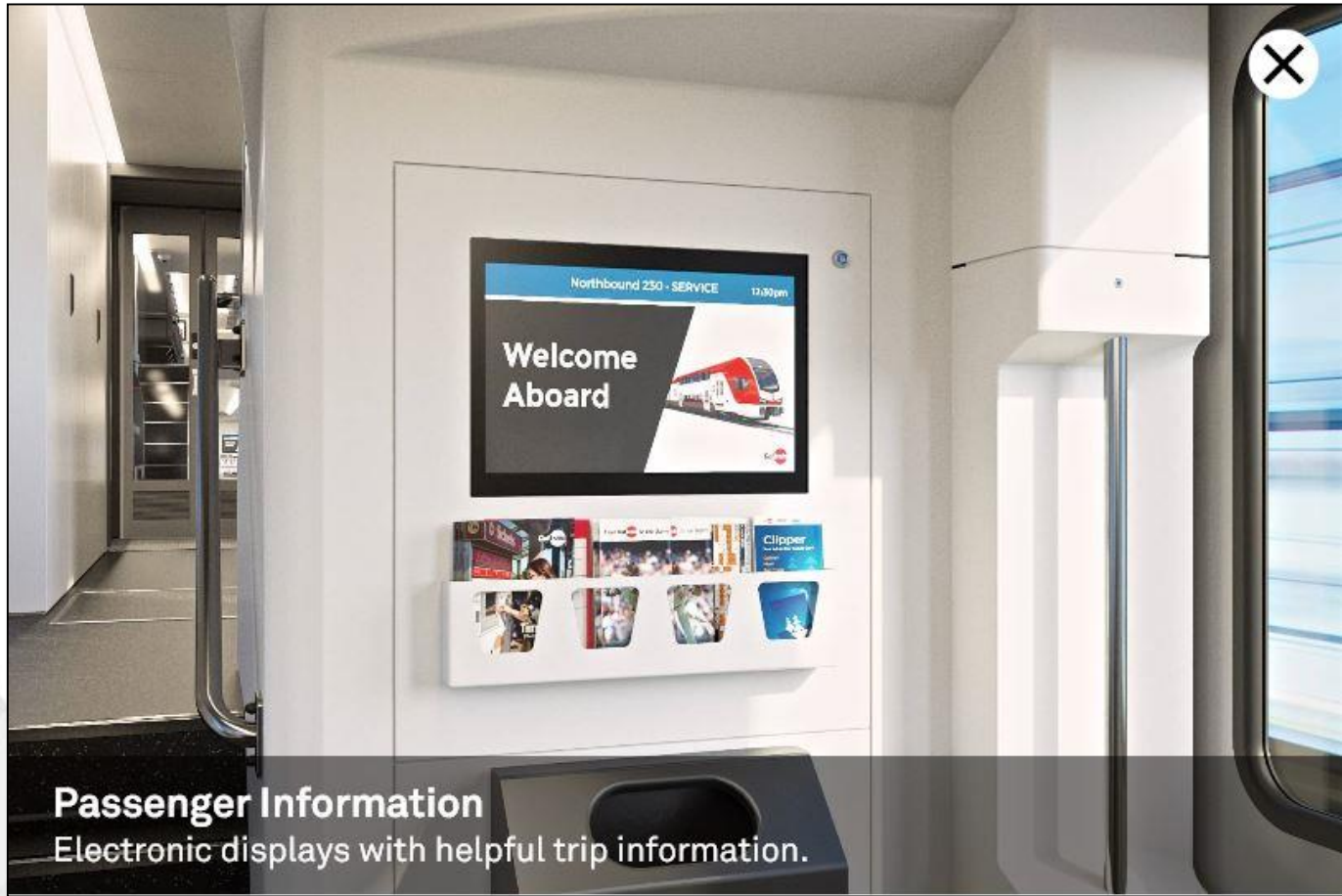
Bike Car



Passenger Information Display (PIS) and CCTV Camera



Passenger Information Display and Brochures



Passenger Information
Electronic displays with helpful trip information.

Emergency Exit Window – Upper Level



Emergency Brake Lever



Passenger Emergency Intercom



Passenger Emergency Intercom

In the event of an emergency, passengers can contact a conductor for assistance.

Underseat Charging Outlets



Add slide of Console Layout Drawing

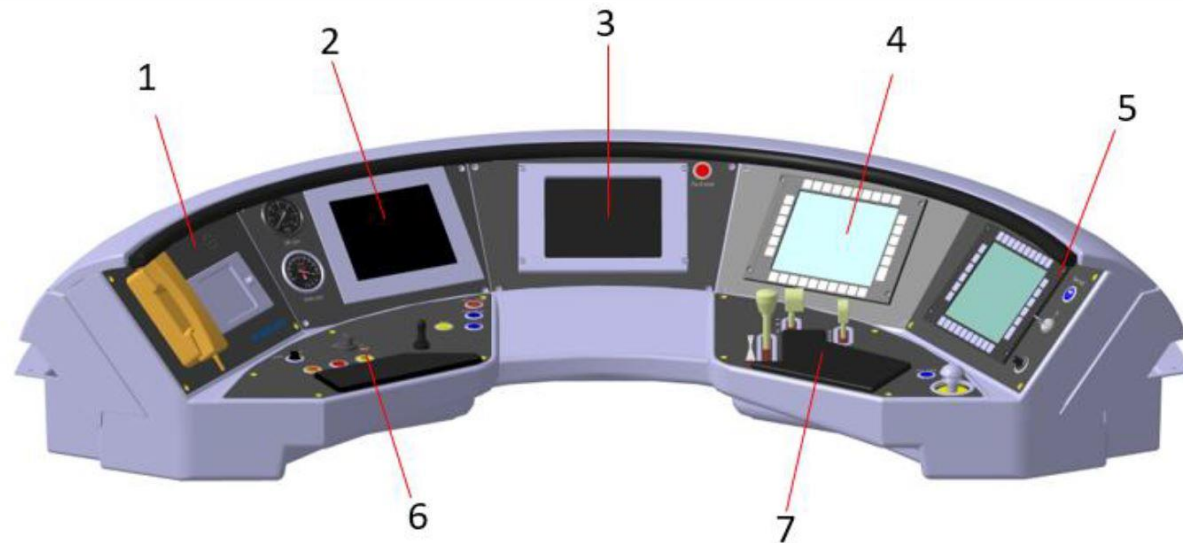


Figure 1: Operator desk

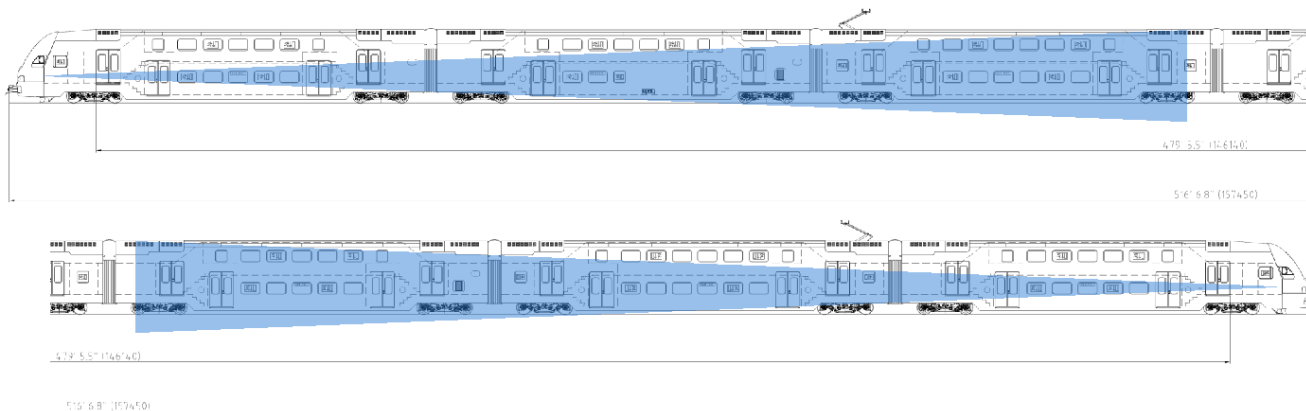
- 1 Communication panel
- 2 Passenger information System and gauges for brake pipe and main air pressure
- 3 Positive Train Control (PTC)
- 4 Diagnostic and vehicle status (TOD I)
- 5 Train operation (TOD II)
- 6 Train control panel
- 7 Drive operation control panel

REAR VIEW CAMERA

Type:	Full HD Camera
Resolution	1920x1080
Angle	approx. 15 Grad
Distance:	220 feet
Sensor	1/3 inch CMOS
Light sensibility	0.2 lux
Housing	metal/glassfibre
Ethernet	PoE /100Mbit

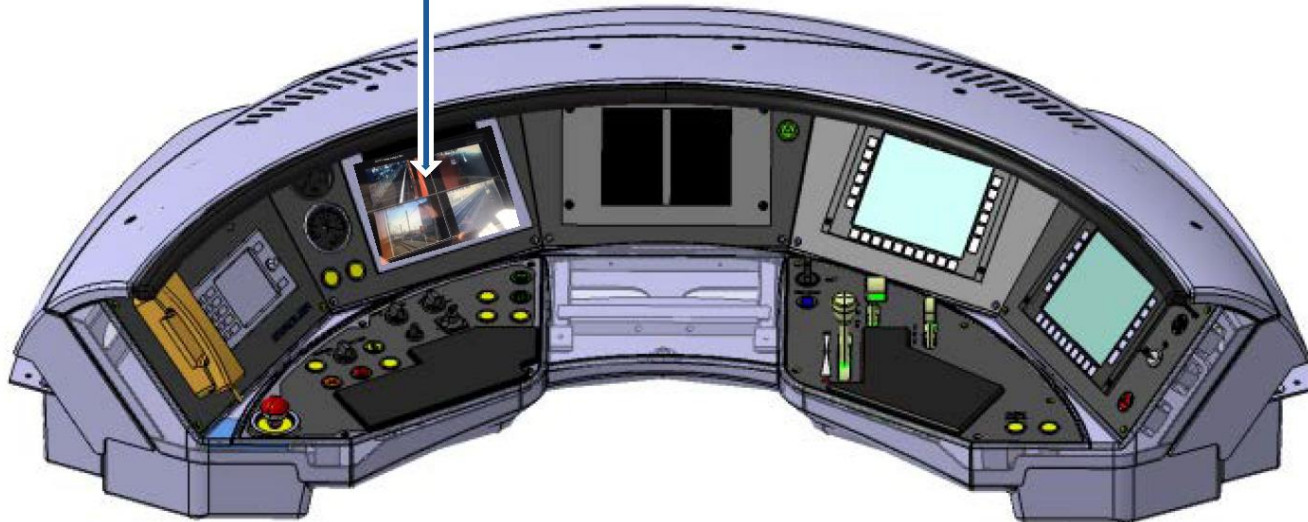


CONCEPT



VIEWING

new Full-HD display for 1 or 4 pictures



Automatic Passenger Counter



Interior LED Lighting and Temperature





Production Activities



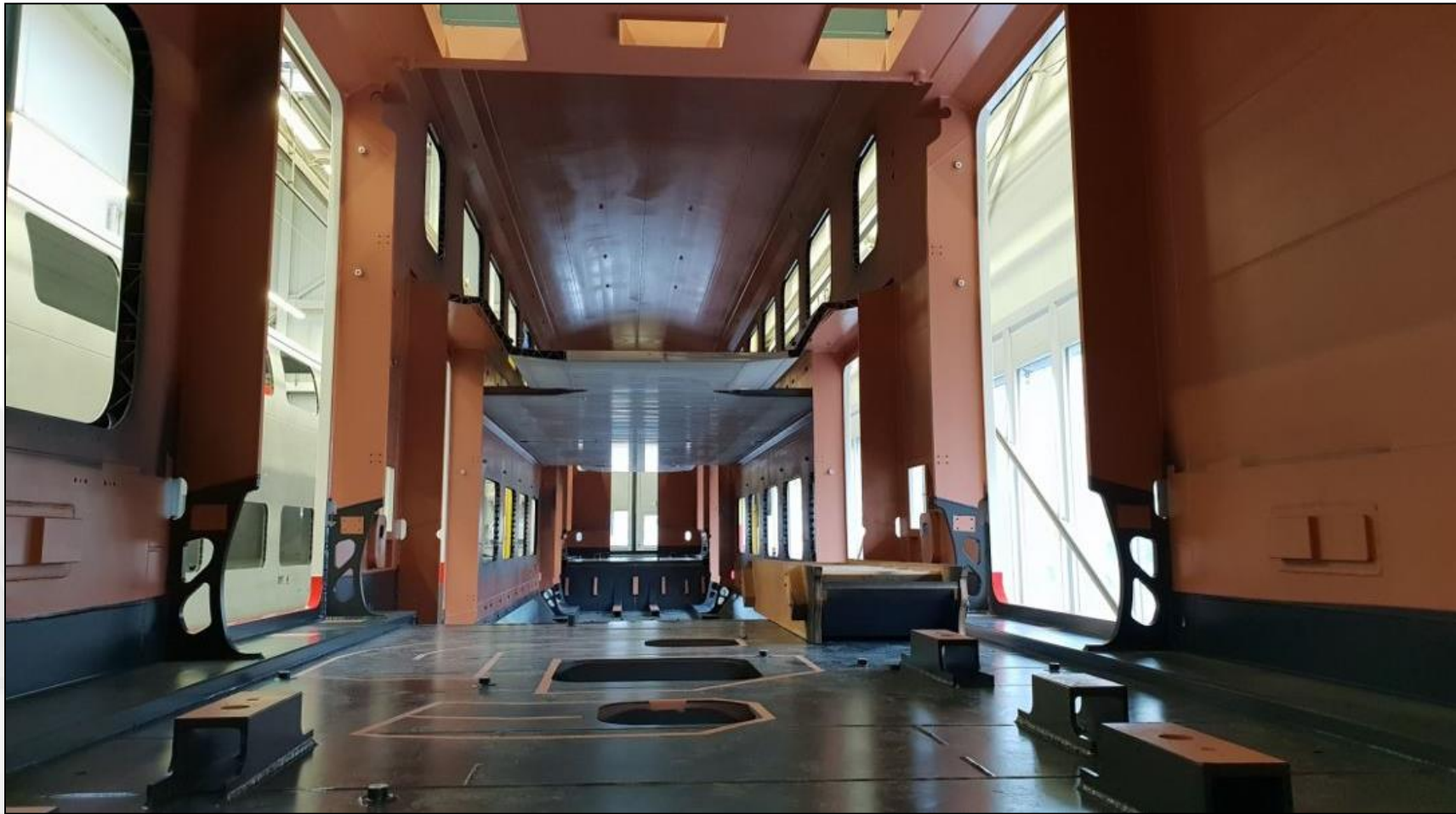
Car Shells in Switzerland Ready for Painting



Painted Car Shell in Switzerland



Car Shell Painted Interior



Car Shell Arriving In Salt Lake City



Cars Being Moved in Salt Lake City Facility





Trainset No. 1 in Salt Lake City Undergoing Testing



Trucks (bogies) Assembled in Salt Lake City Ready for Installation Under a Car



Upper Level



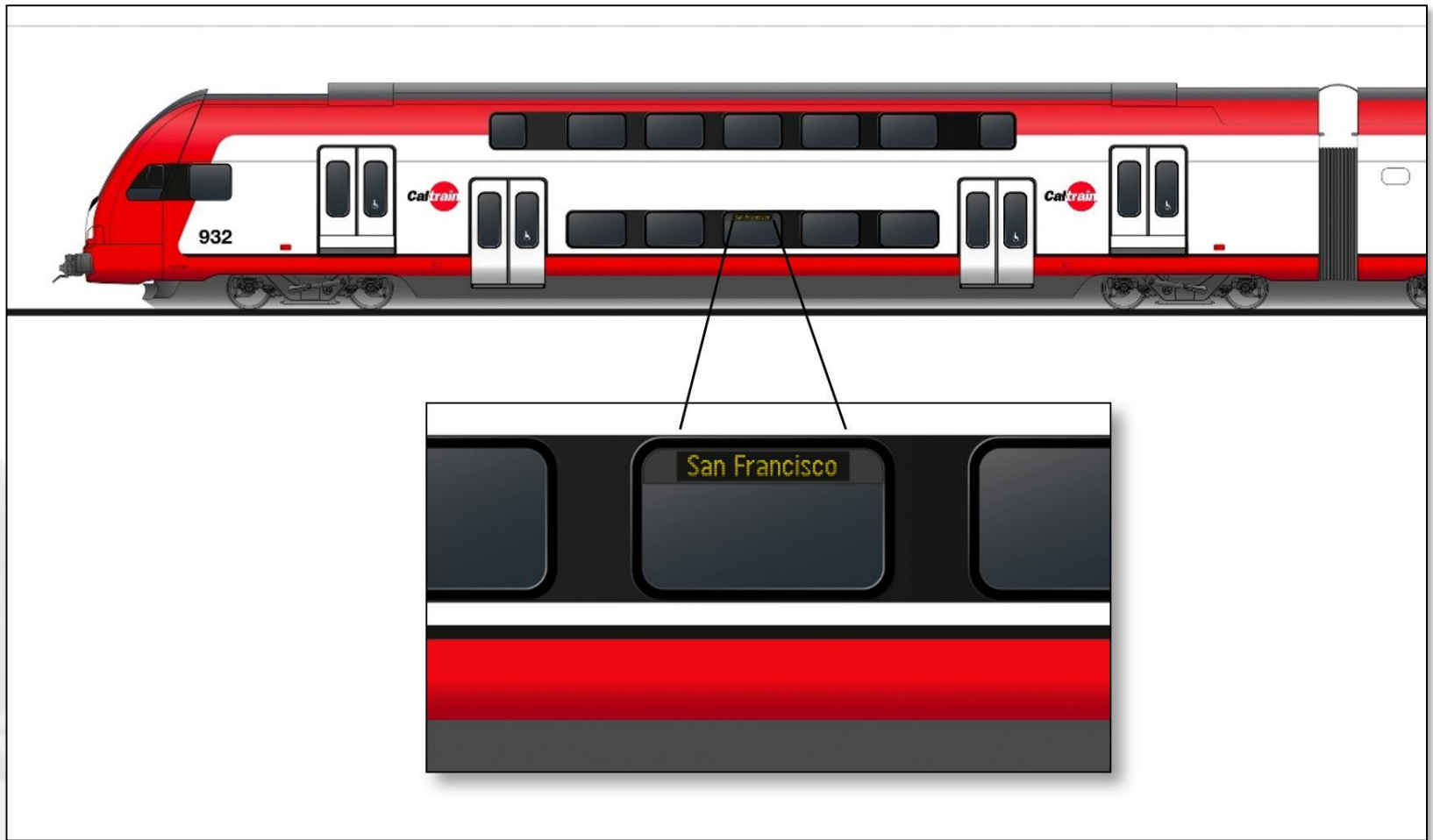
Cab Console Under Construction in Salt Lake City



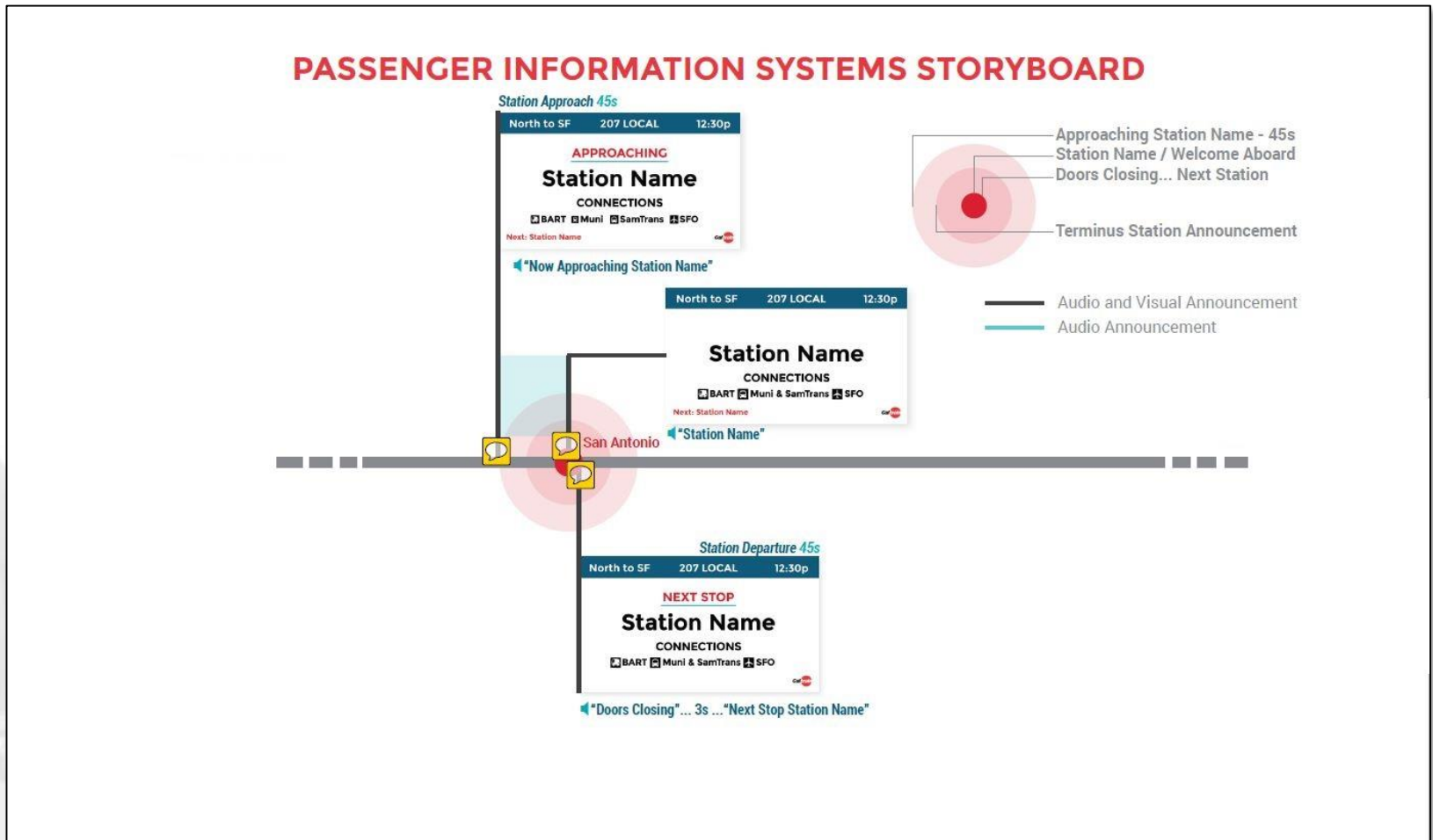
Front Destination Sign



Side Destination Sign



Destination Announcements



Schedule

- **Trainset No. 1 Assembly Nearing Completion and Being Prepared for Testing in Salt Lake City**
- **Trainset No. 2 – 4 in various stages of completion in Salt Lake City**
- **Trainset No. 1 to commence testing in Railcar Testing facility in Pueblo, Colorado – Fall of '2020. Testing Duration 7 months**
- **First Trainset to be delivered to Caltrain – Spring of '2021.**

Questions?

