Objective

Design a communication system for

1. Remote, real-time train diagnostics and other operational needs.
2. Provide on-board passenger WiFi service.
Background

• Several attempts to deliver WiFi service to passengers on-board Caltrain in the past.
• Technical solutions were either too expensive or did not meet all of JPB’s requirements.
• Leverage off the PTC fiber and EMU vehicles.

Contract Scope of Work

1. Define requirements for the wireless communications system.
2. Develop a design to meet all the requirements.
3. Develop a construction cost and schedule estimate.

Final Deliverable:
Comprehensive technical specifications and design to be included in a Request For Proposal to implement the Broadband Wireless Communication System.
Future Steps

1. Have a design package ready for a Request For Proposal by the end of June 2020.
2. Select a contractor to install the on-board equipment and wayside equipment in 2021.

Questions?