

Link Light Rail

Series 3 LRV Update

Board of Directors

9/25/2025



Why we are Here

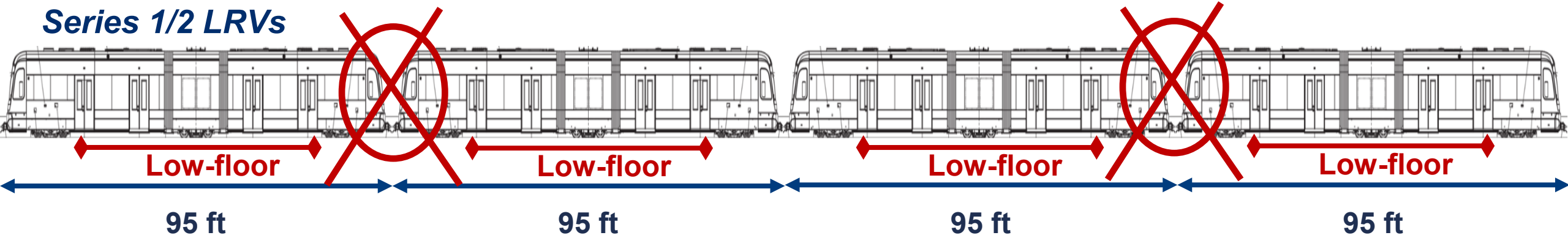
Brief the board on Series 3 LRVs.

- What's new in Series 3 LRV Design?
- What's new in Procurement Strategy?
- Series 3 LRV Draft Schedule
- Cost Risks for Series 3 LRVs

Update only, no Board action requested

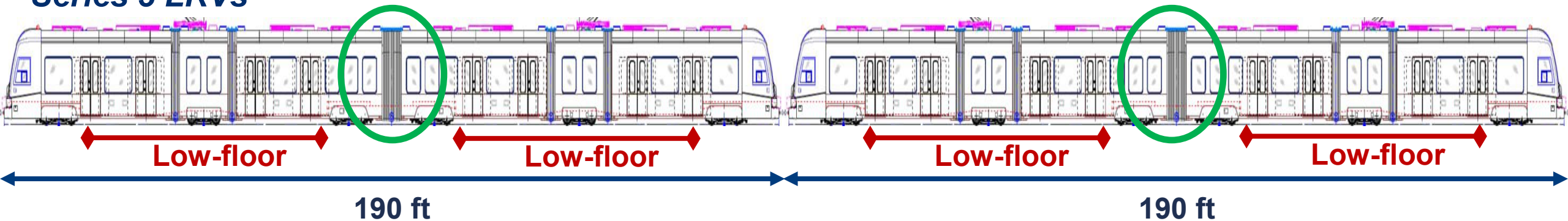
Series 3 LRV Length (Longer LRVs)

Series 1/2 LRVs



Reduce # of cabs = Increase Passenger Capacity

Series 3 LRVs



What's New in Procurement Strategy?

- **Partnership and Risk Sharing:** Creating an environment of partnership and **innovation** by distinguishing ESSENTIAL and DESIRABLE requirements, adding **incentives** in milestones and sharing risk through **price indices**.
- **Best Value Selection:** Series 3 LRV procurement strategy encourages the car builder to propose & execute a **good quality** product that **aligns with ST's vision**.
- **Prototype LRVs with additional time for design:** Additional time in design and testing with prototype LRVs intended to optimize LRV design for **reliability**, **maintainability**, and **total cost of ownership**.
- **Future-proofing System Capacity and Obsolescence:** Series 3 LRV to be future proofed for CBTC (advanced train control technology).
- **Total Cost of Ownership:** **Minimum contract targets for LRV reliability** & daily availability and **long-term services & spares supply arrangement** is considered.

Series 3 LRV Draft Procurement Schedule

- Draft RFP Industry Review#1 – Dec 2024
- Draft RFP Industry Review#2 – Q4 2025
- **RFP Publication Goal – Q4 2025**
- **Car builder Tech Proposal – Q2 2026**
- **Car builders Detailed Cost Proposal – Q4 2026**
- Car builder NTP – Q2 2027
- Prototype car dynamic testing – Q4 2030 – Q3 2031
- Qualification LRV onsite arrival to start commissioning tests – Q1 2032
(Qualification LRV = 1st LRV for Passenger Service)
- LRV potentially supporting CBTC greenfield tests ~ 2032
- **Initial fleet entering revenue service ~ Q3 2033**
- **Delivery rate assumed by ST – ~18 LRVs/year**

Series 3 LRV Cost Drivers/Risks

- We are anticipating that we'd need **118-140** longer Series 3 LRVs. RFP is planning to include a base order of 70 LRVs Plus Options for up to 80 LRVs (Total = 150 LRVs)
 - **External Market Factors**
 - COVID-related cost increases **~30%**
 - 2025 Tariffs **~20%**
 - **Optional Scaling up to 140 LRVs from 118 LRVs** (based on Service Design decisions when Enterprise Initiative is completed)
 - Potential additional vehicles **0-20%**
- Total Potential Cost Increase: 30-70%**

Thank you.



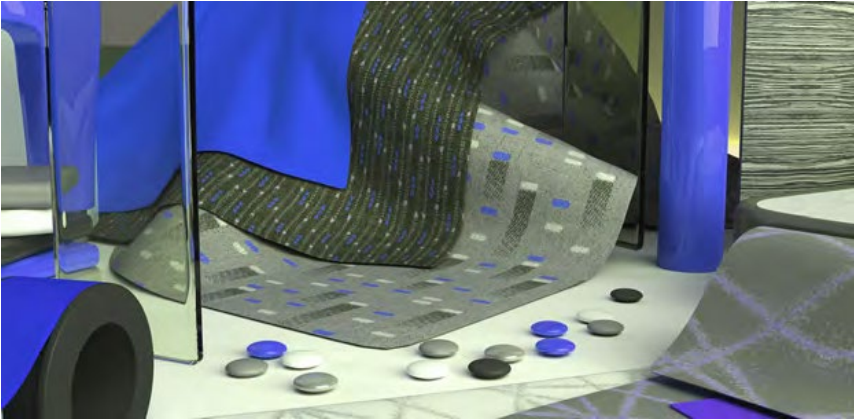
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Design Guidance (Draft) Example



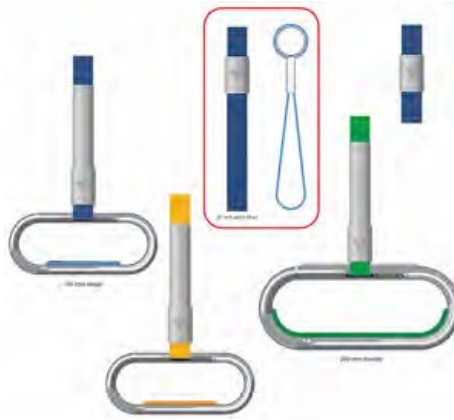
Passenger & User Experience Expectations



Color Material & Finishes



Seat Mock-up



Handholds & Stanchions



1:1 Interior Mock-up

- Car builder needs to design with user experience in mind.
- Needs to develop an integrated approach to the human factors development in all aspects of the vehicle design.

Series 3 LRV Rendering (Draft Concepts)



Series 3 LRV Rendering (Draft Concepts)



Design Guidance (Draft) Example



Open & bright interior



Safe & easy crew access



Integrated PIS & CCTV