

2023 NGEAC Annual Meeting

Multi-State Single Level Rail Cars

Procurement Updates

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Division of Rail and Mass Transportation



The NGEC will provide national leadership in standardization, acquisition, financing and management of passenger rail equipment.

Caltrans-IDOT Railcar Project History

- Joint Purchase: Caltrans & IDOT
- \$371M contract; funded by FRA and California Prop 1B
- Amended SCOA Contract; Siemens is new carbuilder
- Project restart in Nov. 2017
- Based on proven Brightline cars



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Project Status and Accomplishments

Deliveries to California and Illinois

- 58 cars delivered to Midwest/Chicago
 - 4 Cars in repair due to derailment
- 16 cars delivered to Caltrans/Stockton



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Project Status and Accomplishments

More than 120 Coaches in Production, Testing & Delivery Phases

- Start of revenue service – February 2022 for Midwest
 - 34 cars now available for revenue service
- Caltrans revenue service start planned for Q1 of 2023
- Conditional acceptance ongoing for Caltrans & IDOT
- FDRs in closeout stage for Café and Cab Cars
- Final FAls in process for Café and Cab Cars
- Deliveries to Stockton & Chicago ongoing as space permits
 - 6 cars in storage awaiting delivery to Stockton



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Project Status and Accomplishments

Successful development & testing activities

- APTA-compliant workstation table design validated
- Cab Car Structural Testing complete, test reports approved
 - Compression Test successful and report in revision
 - FRA Appendix F Collision and Corner Post Testing complete
- Carborne Bridgeplate Concept in work for Caltrans end coaches
- Sliding Steps, Wheelchair Lifts, End Doors (IDOT) are new products on this project



Project Status and Accomplishments

Successful development & testing activities



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Project Challenges and Opportunities

Problems to work through

- Car Storage
 - Storage remains a challenge at customer and Siemens sites
- Agreements
 - Multiple agreements need to be executed for Caltrans revenue service.
- Supply Chain
 - COVID pandemic has long-lasting effect on component supply and logistics



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Project Challenges and Opportunities

Solutions and Progress

- Restroom Water Panels
 - Material clarifications ongoing with EPA, submitted 12/22
- Wheelchair Lift Attachment
 - Improvements in work to address cracked bracket welds
- Cab and Café Vehicle Qualification
 - Submittals to Amtrak & FRA
- Air Reservoirs
 - Improvements in work to address paint interior paint adhesion
 - Investigation of air quality/maintenance practice to address valve corrosion



Next Steps

- Finalize multiparty agreements for revenue service
- IDOT to place business cars in service after Amtrak acceptance
- Complete Café and Cab Car reviews and begin testing activities
- Continue development on Caltrans high-level boarding solutions
- Monitor vehicle performance & reliability in revenue service
- Work with SCOA/Siemens and stakeholders to improve overall project delivery and finalization



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Any Questions?

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- Chief, Office of Assets and Equipment

- **Gurleen Boparai**, gurleen.boparai@dot.ca.gov
- Chief, Rolling Stock Procurement Branch

Thank You



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