

2022 NGECC Annual Meeting

Multi-state Single Level Rail Cars

Procurement Updates

- Kyle Gradinger – Chief, Caltrans Division of Rail and Mass Transportation



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

CALIDOT Railcar Project History

- Joint Purchase: Caltrans & IDOT
- \$371M contract; FRA Funded
- Amended SCOA Contract; Siemens is new carbuilder
- Project restart in Nov. 2017
- Based on AAF Single-level cars; proven and validated
- Best delivery schedule available
- State of the art vehicles, factory



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Project Status & Accomplishments:

Deliveries to California and Illinois



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Project Status & Accomplishments:

More than 100 Coaches in Production, Test & Delivery Phases

- Start of revenue service in February for IDOT
- Caltrans revenue service start planned for April
- Conditional acceptance ongoing for Caltrans & IDOT
- FDRs in closeout stage for Café and Cab Cars
- FAIs in process for Café and Cab Cars
- Deliveries to Stockton & Chicago currently not possible due to space limitations



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Project Status & Accomplishments:

Successful development & testing activities

- New APTA-compliant workstation table design validated
 - 4-person and 2-person table compliance achieved
 - Buy America waiver granted for COVID mitigations
- Cab Car Structural Testing complete
 - Compression Test successful and report in revision
 - Collision and Corner Post Testing complete
- New Wheelchair Lift design validated and installed
- Carborne Bridgeplate Concept in-work for Caltrans



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Project Challenges:

COVID-19 Pandemic

- Impacts to Engineering, Production, Delivery
 - Supply chain disruption for nearly all major suppliers
 - Reduced travel for technical experts
 - Employee resource availability challenged
 - Force Majeure issued & accepted for delivery delays
 - Builder and Customer teams adjust and collaborate
 - Reviews, deliveries, acceptance and revenue service continue



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Project Challenges:

Problems to work through

- Supplier Quality
 - Defective subcomponents have affected production and schedule
- Car Storage
 - Limited opportunities for storage at both customer sites
- Agreements
 - Slow progress on agreements needed for Caltrans revenue service
- Resources & Planning
 - Delays affect staffing plans, scheduling



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Project Challenges:

Solutions and Progress

- Ceiling Bracket Weld Defects
 - New parts delivered and repairs completed prior to acceptance and service
- Restroom Water Panel Materials
 - Mitigations in place to improve water quality
- Vehicle Qualification Strategy
 - Plan in work based on approved framing representatives
- CALTRANS Modified Level-Boarding
 - Station designs complete
 - Concept and Prototype in work for vehicle-platform interface



Next Steps

- IDOT continues acceptance and revenue service with more cars
- Caltrans continues acceptance and begins revenue service
- Engage passengers and improve services
- Complete Café and Cab Car reviews and begin testing activities
- Work with stakeholders to improve car storage availability
- Complete Caltrans-Amtrak-SJIPA Agreements
- Phase-in and implement product improvements



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Any Questions?

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Thank You



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