

Bi-Level Car Procurement Status Report

NGEC Annual Meeting
February 21, 2014



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

Introduction



Artist's Concept Only - n.t.s.

Artist's Conception of the New NGEC Bi-level Coach Car

Courtesy of Sumitomo Corporation of America & Nippon Sharyo



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States Involved

- **California**
- **Illinois, representing Michigan and Missouri**



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Funding

FRA Grants - Joint Agreement with IDOT for total contract value of \$352.3M.

•IDOT Share - \$238.5M (88 of 130 Railcars)

➤ **Illinois/Midwest – HSIPR: \$27.1M
ARRA: \$211.4M**

•Caltrans Share - \$113.8M (42 of 130 Railcars)

➤ **California – HSIPR: \$36.8M
ARRA: \$54.2M
State Match (Prop 1B): \$22.8M**



Number of Cars – Base Order

- **Illinois/Midwest – 88 Railcars (46 Coach, 21 Cab-Baggage, & 21 Café-Business Class)**
- **California – 42 Cars (34 Coach, 3 Cab-Baggage, & 5 Café-Lounge)**



Deployment of Cars – Illinois/Midwest

- **8 Existing Midwest “Hub” Routes Out of Chicago & St. Louis**
- **2 New Services Planned to Run Out of Chicago**



Deployment of Cars – California

- **Three Corridors**
 - **San Joaquin**
 - **Capitol Corridor**
 - **Pacific Surfliner**
- **New Capacity for Secular Growth: 29 cars**
- **Replace Borrowed Amtrak Equipment: 13 cars**



Base Schedule – Design Review:

- **Notice to Proceed (NTP) Date: Nov. 27, 2012**
- **Preliminary Design Review, PDR Meetings Held:
15 days between Apr. 23 & Jul. 11, 2013**
- **Carshell PDR in Japan Held: Apr. 2 through 4, 2013**
- **Intermediate Design Review (IDR) Meetings Held:
12 days between Aug. 13 & Sep. 27, 2013**
- **Final Design Review (FDR) Schedule:
17 days between Feb. 26 & Apr. 30, 2014**
- **Mockup Review Schedule: Mar. 17 through 21, 2014**



Base Schedule – Pilot Cars:

- **Completion of First Carshell: Dec. 2014**
- **Assembly of First Pilot Car: Jul. 2015**
- **Pilot Car Testing: Jul. 2015 – Jan. 2016**
- **Pilot Train Final Acceptance: May 2016**



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Base Schedule – Delivery:

- **Delivery of First Production Car:
May 2016**
- **Delivery Rate – Average per Month:
4 to 6 cars**
- **Delivery of Last Base Car: July 2018**



Proposed Options

- **Number of Option Cars**
 - **Midwest - 31**
 - **California - 11**
- **Accelerated Schedule**
 - **Average Production Rate: 6 cars**
 - **Date of Final Car Delivery: Jun. 2018**



Participants' Roles

- **Sumitomo Corporation of America (SCOA)**
 - **Contracts with States**
 - **Contracts with Nippon Sharyo**
 - **Performs Contract Management**
- **Nippon Sharyo**
 - **Carbuilder**
 - **Design**
 - **Production**
 - **Purchasing**
 - **Under Contract to SCOA**



Participants' Roles (Part II)

- **California Department of Transportation (Caltrans)**
 - **Lead Agency for Procurement**
- **Illinois Department of Transportation (IDOT)**
 - **Partner Agency – Representing Michigan & Missouri**



Participants' Roles (Part III)

- **Consultants**
 - **Jacobs Engineering, Interfleet Technology, Cambria Solutions, Simpson Gumpertz & Heger & Parsons Brinckerhoff**
 - ❖ **Technical and Project Management Support**
- **Federal Railroad Administration (FRA)**
 - **Grant Administration**
 - **Technical Support**



Future Acquisitions

- **Caltrans – Additional Option Orders**
 - **Long-term Fleet Plans**
 - **May allow additional services and capacity increases as funds become available**
 - **Continue to support standardization and rail passenger growth into the future**



THANK YOU!

Questions or Concerns?

Please contact Stan Hunter at:
stan.hunter@dot.ca.gov
(916) 654-6534



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