

Approval to Award Contract for Manufacturing and Delivery of Vehicles for the OC Streetcar Project

Background

- Eight vehicles are required for the OC Streetcar project
 - Six for peak service, two spares
- Vehicles are a key risk area in project schedule
 - 28 months for delivery of the vehicles from contract Notice To Proceed
 - Additional time for inspection and acceptance of vehicles and then completing the integrated system testing of vehicles, infrastructure, and systems

Vehicle Contract Scope

- Base order
 - Eight vehicles
 - System support
 - Project management, engineering, training, and manuals
 - Spare parts and special tools
- Optional items
 - Up to ten additional vehicles and spare parts
 - Included to preserve pricing for a potential future project, extension, or assignment to another transit agency
 - Board of Directors' (Board) approval required to purchase optional items

Vehicle Requirements

- Bi-directional vehicle, cab at each end
- Minimum 115 passenger capacity
- 77 feet – 96 feet length
- Minimum 70 percent low floor to ensure accessibility
- Maximum operating speed
 - In street – 25 miles per hour (MPH) -35 MPH
 - Pacific Electric Right-of-Way - 44 MPH
- State and Federal requirements
 - State: California Public Utilities Commission - safety
 - Federal: Americans with Disabilities Act, Buy America

Vehicle Procurement

- Board approved release of request for proposals on December 16, 2016
- Evaluation criteria and weights
 - Qualifications, Related Criteria, and Project Management 10 percent
 - Technical Proposal 50 percent
 - Cost and Price 40 percent
- Proposals received on July 6, 2017
- Best and Final Offers (BAFO) received on November 7, 2017

Evaluation Process

- Two proposals received on July 6, 2017
 - CAF USA, Inc.
 - Siemens Industries, Inc.
- Evaluation committee reviewed proposals against evaluation criteria
 - Membership: Orange County Transportation Authority (OCTA) staff and representatives of four transit agencies operating light rail and streetcar service
- Technical advisors reviewed technical proposals for responsiveness, conformance to technical specifications, and Federal Transit Administration quality management requirements

Evaluation Score – BAFO Results

- Siemens received the highest score for each of the evaluation criteria and the overall score

Siemens Industries, Inc.		
	Weights	Criteria Score
Qualifications, Related Experience, and Project Management	2	7
Technical Proposal	10	38
Cost and Price	8	40
Overall Score		85
CAF USA, Inc.		
	Weights	Criteria Score
Qualifications, Related Experience, and Project Management	2	6
Technical Proposal	10	30
Cost and Price	8	36
Overall Score		72

Cost and Price Comparison - BAFO

	CAF USA, Inc.	Siemens Industries, Inc.	Difference Between Proposals (\$ and %)
Base Order	\$ 64,774,976	\$ 51,527,520	\$ 13,247,456 20.5%
Optional Vehicles and Spare Parts	\$ 61,370,638	\$ 61,686,055	- \$ 315,417 - 0.5%
Total Price	\$126,685,614	\$113,213,575	\$ 13,472,039 10.6%

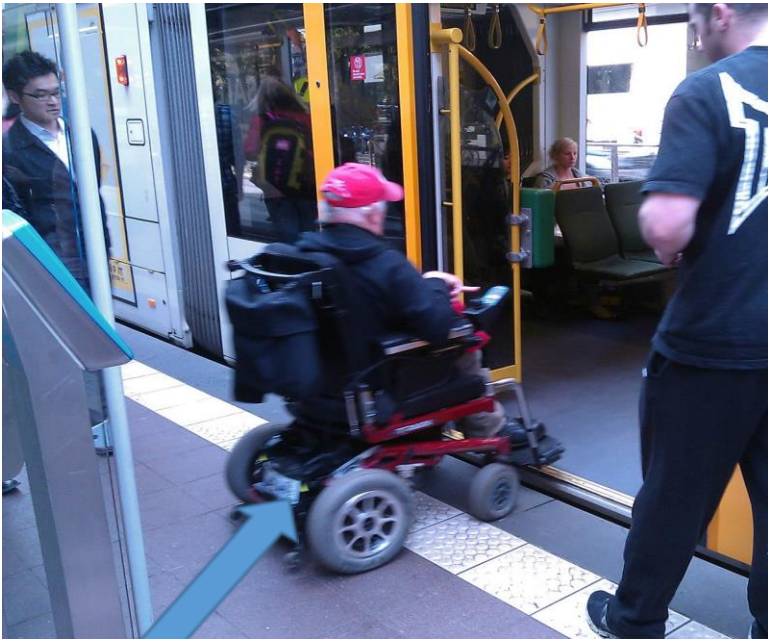
Proposed Vehicle

- S70 Model
 - 342 vehicles in operation in 8 U.S. cities
- 88 feet long
- 181 passenger capacity, 70 seats
- Level boarding
- 70 percent low floor



S70 Vehicle Access

- Four double-width doors are located on each side of the vehicle
- Stop platforms are being constructed with 14-inch high platform
- Enables fully-level boarding into the vehicle without use of steps, ramps, or bridge plates



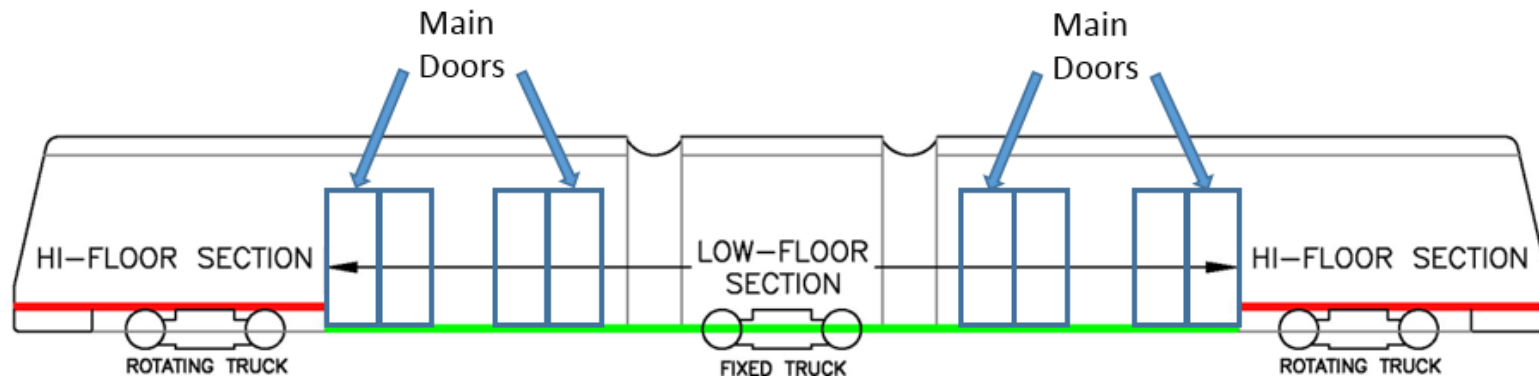
Wheelchair accessible



Fully-level Boarding - No bridge plate, ramp or step

70 Percent Low Floor Vehicle

- 70 percent of vehicle floor in passenger cabin is 14 inches high
- Interior steps from low floor section to high floor section at each end of vehicle



70 Percent Low Floor Vehicle (Cont.)

Low Floor



- Four double-width doors on each side
- Space for four wheelchairs/mobility aids/strollers
- 38 seats and most of the standing room

High Floor



- Operator cab at each end
- 32 seats in high floor sections

Vehicle and Station Branding

- Vehicle specifications include exterior painting up to four colors plus decals
- OCTA will create design and paint scheme for vehicles and stops to ensure brand consistency



Branding Process

- Review concepts and receive input from the Board – June to July 2018
- Conduct public outreach to gather feedback – August to September 2018
 - OCTA committees (Transit Advisory, Special Needs Advisory, and Teen Council)
 - Cities, community organizations, and businesses
 - Residents, students, commuters, and travelers
 - Current OC Bus, Metrolink, and Pacific Surfliner customers
- Provide public feedback and corresponding designs to the Board for approval – October to November 2018
- Provide Board-approved designs to vehicle manufacturer for production – December 2018

Recommendations

- Approve the selection of Siemens Industries, Inc., as the firm to provide eight streetcar vehicles, contingent upon successful completion of a pre-award audit to confirm compliance with Buy America requirements
- Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-6-1445 between OCTA and Siemens Industries, Inc., in the amount of \$51,527,520, for the purchase of eight streetcar vehicles, spare parts and tools, with an option to purchase up to ten additional streetcar vehicles and spare parts