

OC STREETCAR



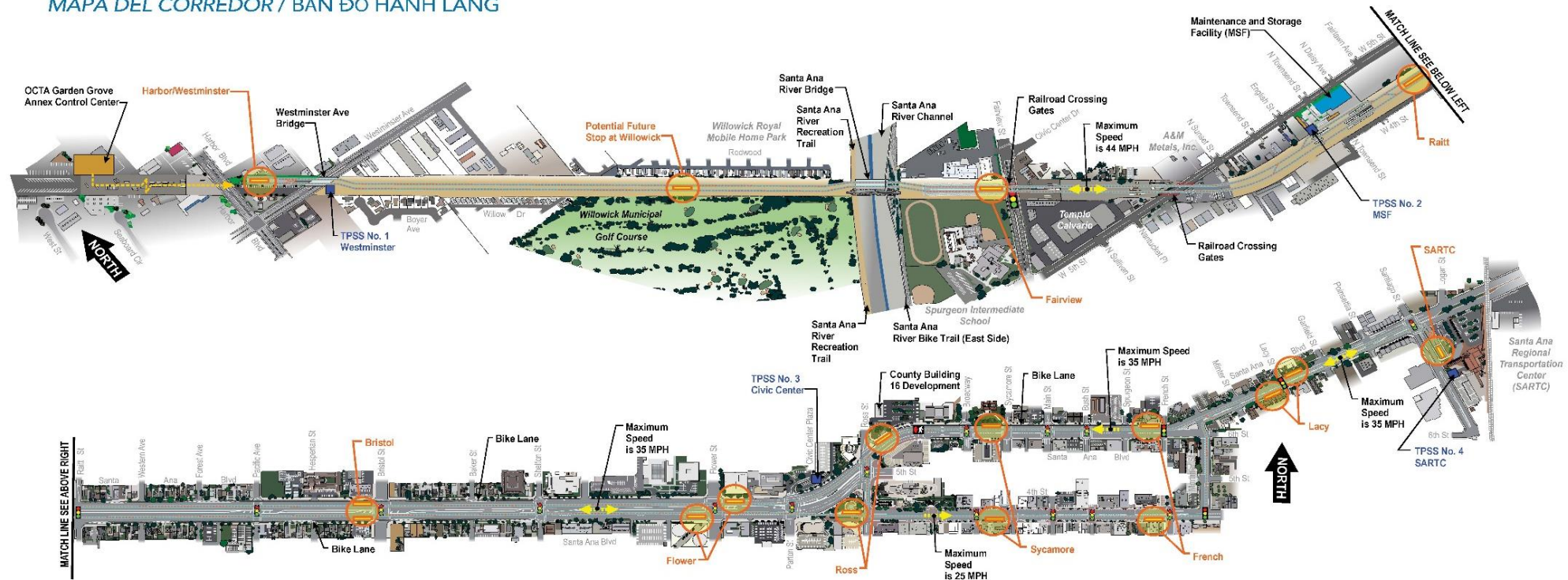
Project Update



Corridor Map



Information as of May 13, 2017



Legend / Leyenda / Chú Thích

	- Traction Power Substation (TPSS) / Subestación eléctrica de Tracción / Trạm Biến Áp Điện
	- Fiber Optic Duct Bank / Banco de Ducto de Fibra Óptica / Nơi Tập Hợp Ống Sợi Quang
	- New Traffic Signals / Nuevas Señales de Tráfico / Tín Hiệu Giao Thông Mới
	- Existing Traffic Signals / Señales de Tráfico Existentes / Tín Hiệu Giao Thông Hiện Tại
	- Pedestrian Signal / Señal Peatonal / Tín Hiệu Người Đi Bộ
	- Stop Platform / Plataforma de la Parada / Bệ Dừng

Streetcar Vehicles

- OCTA Board of Directors (Board) awarded the OC Streetcar Vehicle manufacturing and delivery contract on March 26, 2018
- 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 - preserves pricing for a potential future project, extension, or assignment to another transit agency
 - Board approval required to purchase optional items

Streetcar 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

Cost and Price Comparison

	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%

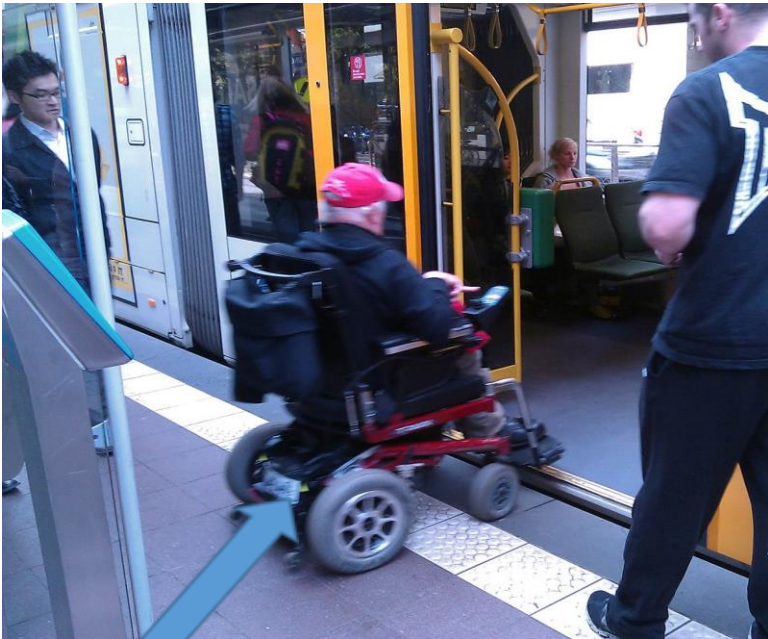
Siemens Vehicle

- 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



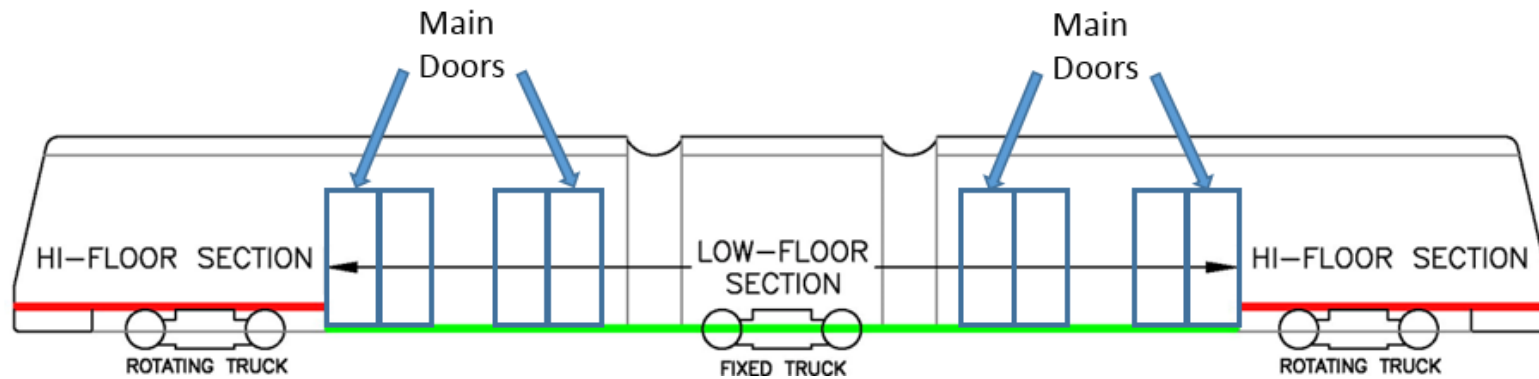
Wheelchair accessible



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



Streetcar 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

Project Funding

Funding Source	Amount (\$ million)	Status
Federal		
CMAQ	\$54.46	Confirmed
Section 5307	\$13.26	Confirmed
New Starts 5309	\$148.96	Budgeted
Total-Federal	\$216.68	
State Cap and Trade	\$25.52	Confirmed
Local- M2 Funds	\$57.15	Confirmed
Total	\$299.34*	

*All funding secured with exception of New Starts funds

What's Next?

Activity	Date
<i>OCTA Board Approval to seek and execute FFGA</i>	<i>May 2017</i>
<i>O & M Industry Forum</i>	<i>November 2017</i>
<i>Advertisement of construction bids</i>	<i>December 11, 2017</i>
<i>Vehicle Contract Award</i>	<i>March 26, 2018</i>
Construction Bid Opening	June 19, 2018
Construction Contract Award	August 2018
Release of O & M Request for Proposals	Summer/Fall 2018
Construction Groundbreaking	October 2018
Revenue Operations	Summer 2021