

OC STREETCAR



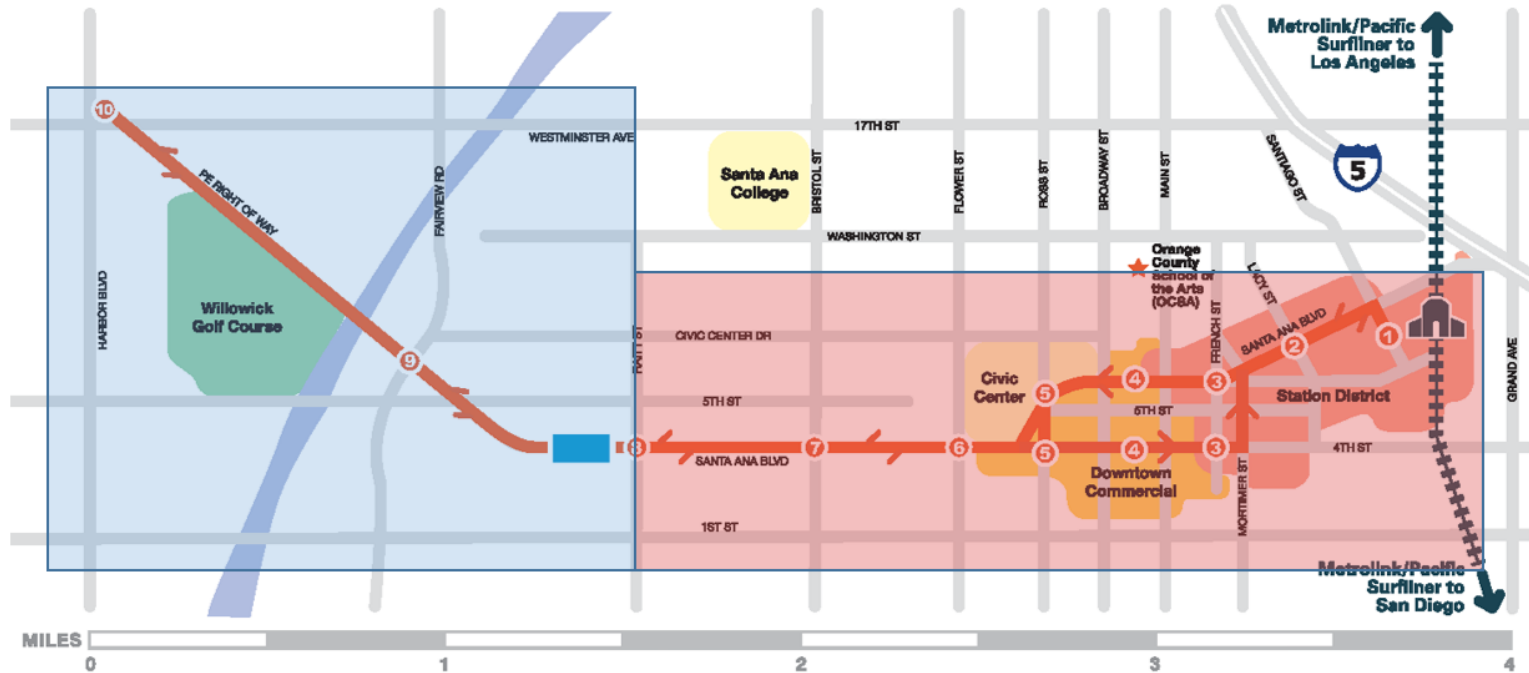
**Taxpayers Oversight
Committee
August 14, 2018**



Project Update

- Schedule update
- Construction bid
- Cost update and Board action on funding
- Status of FFGA
- Vehicle contract
- Vehicle and stop branding
- Operations & Maintenance Contract
- Next steps

Project Alignment



PE ROW

- Dedicated ROW owned by OCTA
- Double-Track, Ties and Ballast
- Maintenance road beside track
- Center Platforms
- Two-Wire OCS

STREET RUNNING

- One-way couplet downtown
 - 4th Street Eastbound, Santa Ana Blvd. Westbound
- Track on Ross and Crossover on Minter to bypass 4th Street
- Embedded Track (Block Rail)
- Side Platforms (except SARTC)
- Bike Lane Santa Ana Blvd. from French to Raitt
- One-Wire OCS
- 4th Street Diagonal Parking on south side changed to parallel

Schedule Update

- Several issues impacted project schedule
 - Executed Full Funding Grant Agreement (FFGA)
 - Target by October 2018
 - Construction bid opening
 - June 19, 2018, three months later than planned
 - Construction duration
 - Added six months to construction time to address bidders' requests
- Revised Revenue Service Date was September 2021
 - Assumed FFGA is executed in August 2018

Construction Bid

- Scope
 - 4.15-route-mile (8.3-track-mile) modern streetcar line with complex and specialized work for several elements:
 - Track in streets and PE ROW
 - Overhead electrical power supply and traction power substations
 - Stops with shelter canopies
 - Two bridges
 - Maintenance and storage facility
- Bids opened on June 19th
- 4 bids received; all over Engineer's Estimate
- Bid responsiveness review ongoing

Project Cost Increases

Cost Category	Description	Cost Increase (millions)
Vehicles	<ul style="list-style-type: none">Schedule delayHigh-rail tow vehicle	\$2.43
Professional Services	<ul style="list-style-type: none">Primarily to account for schedule delayAdded minor scope to design contract	\$6.01
Construction Bid	<ul style="list-style-type: none">Second low bid	\$78.89 *
Utilities	<ul style="list-style-type: none">Requirement from FTA to include Southern California Edison and Southern California Gas relocation costs in project cost	\$12.44 *
Right-of-Way (ROW)	<ul style="list-style-type: none">Maintenance and Storage Facility ROW acquisition settlements	\$1.08

* Cost does not include allocated contingency

Project Cost Estimate

	May 2017 (millions)	July 2018 Revised Cost Estimate (millions)
Project Cost	\$ 299.34	\$407.76
Project Contingency	20.47%	10.19%

Revised Funding Plan

Approved by the OCTA Board on July 9, 2018

Sources	May 2017 (millions)	July 9, 2018 (millions)	Difference	% of Funding
Federal New Starts	\$148.96	\$148.96		
Federal CMAQ	\$54.46	\$54.46		
Federal FTA 5307	\$13.26	\$13.26		
Subtotal Federal	\$216.68	\$216.68		53%
State Cap-and-Trade	\$25.52	\$25.52		6%
M2 - Project S	\$57.15	\$165.56	\$108.41	41%
TOTAL	\$299.34	\$407.76	\$108.41	100%

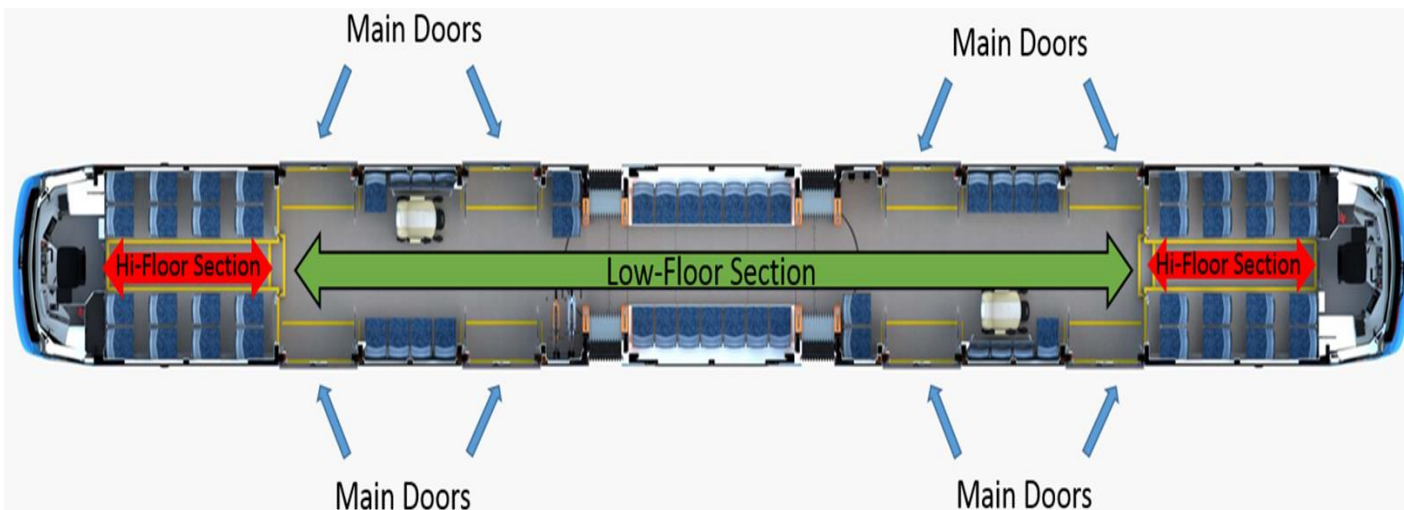
Slight variance due to rounding

New Starts Funding Status

- Discretionary funding program with extensive oversight and approvals
- Funding application submitted to FTA in May 2017
- Current administration has not been advancing new funding agreements
- Extensive coordination underway with FTA Region and Headquarters
- Awaiting “green light” from FTA to process agreement
- Process typically takes 4-6 months for administrative and Congressional approvals
- Schedule implication
 - Cannot issue Construction Contract LNTP until Full Funding Grant Agreement (FFGA) is executed

Vehicle Contract

- Executed contract with Siemens Industries: July 31, 2018
- Initial tasks:
 - Concurrence on vehicle design branding (4 exterior colors)
 - Approval of submissions
 - Schedule, project management and quality plans
 - Design review process



Vehicle and Stop Branding

- OCTA created design and paint scheme for vehicles and stops to ensure brand consistency
- Development Process:
 - Consistency with OCTA Branding
 - Peer Review
 - Technical/Maintenance
 - Design Considerations
- Board to review initial concepts & approve for public release in August
- Outreach in August/September
- Board approval in November



OC Streetcar | All Designs With Advertising

Design 1



Design 2



Design 3



Design 4



Next Steps

- Continue coordination with FTA to secure the FFGA
- Vehicle and stop branding
- Coordination and oversight of vehicle contractor
- Award of construction contract
- Release of Operations and Maintenance RFP