

OC Streetcar Stop Conceptual Design

Streetcar Stop Example - Tucson



Streetcar Stop Example - Kansas City



Streetcar Stop Example - Seattle



Streetcar Stop Example – Salt Lake City



Streetcar Stop Example - Dallas



Comparison of Streetcar Systems

Platform Dimension Comparisons

US Modern Streetcar Systems	Platform Type	Platform Length (Feet)	Platform Width (Feet)	Platform Square Footage
Portland*	Side	60	8	480
Seattle-South Lake Union and First Hill*	Side	50	10	500
OC Streetcar Side Platforms	Side	63	8	504
Washington DC*	Side	51	10	510
Cincinnati*	Side	66	8	528
Charlotte*	Center	50	11	550
Atlanta*	Side	70	8	560
Kansas City*	Side	76	8	608
Tucson*	Side	44	8	352
Dallas*	Center	50	13	650
OC Streetcar Center Platforms	Center	63	12	756
Tucson*	Center	44	12	528
Salt Lake City-Sugar House-S-Line*	Side	100	8	800
Average		60'-6"	9'-6"	563.5

*Note: Measurements are approximate and subject to 1-2 feet variation

Canopy / Seating Comparisons

US Modern Streetcar Systems	Platform Type	Canopy Length (Feet)	Canopy Width (Feet)	Canopy Square Footage	Seating
Portland*	Side	10	5	50	4
Cincinnati*	Side	10	6	60	6
Washington DC*	Side	14	5	70	2
Seattle-South Lake Union and First Hill*	Side	14	6	84	0 to 3
Salt Lake City-Sugar House-S-Line*	Side	15	6	90	2
Tucson*	Side	14	6	84	3
Kansas City*	Side	14	8	112	3
Atlanta*	Side	22	6	132	3
Original OC Streetcar Side Platform Design**	Side	24'-4"	5'-9"	139.7	4
Charlotte*	Center	(2) @ 10	7	140	4 to 8
Tucson*	Center	(2) @ 10	8	160	6
Dallas*	Center	(2) @ 13	7	182	3
Original OC Streetcar Center Platform Design**	Center	24'-4"	8	194.4	4
Average		16'-4"	6'-6"	115.2	3.8

*Note: Measurements are approximate and subject to 1-2 feet variation

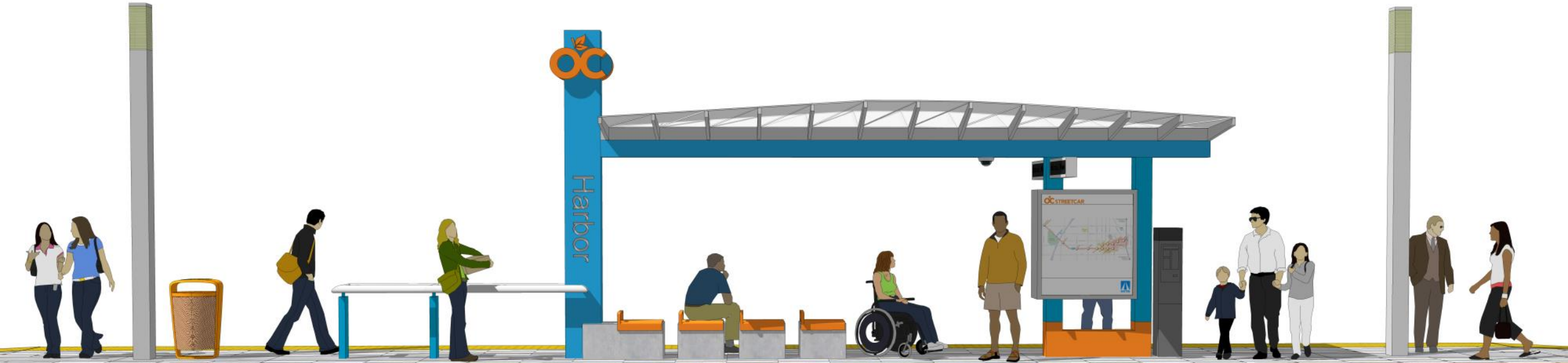
**As presented to the Orange County Transportation Authority (OCTA) Board of Directors 10.24.16

Revised OC Streetcar

OC Streetcar Side Platforms	Side	32'-4"	6'-9"	218	6
OC Streetcar Center Platforms	Center	32'-4"	10	323	6

Board of Directors Feedback on Conceptual Design

- Size of Platform
- Size of Canopy
- Colors
- Number of Seats
- Shade

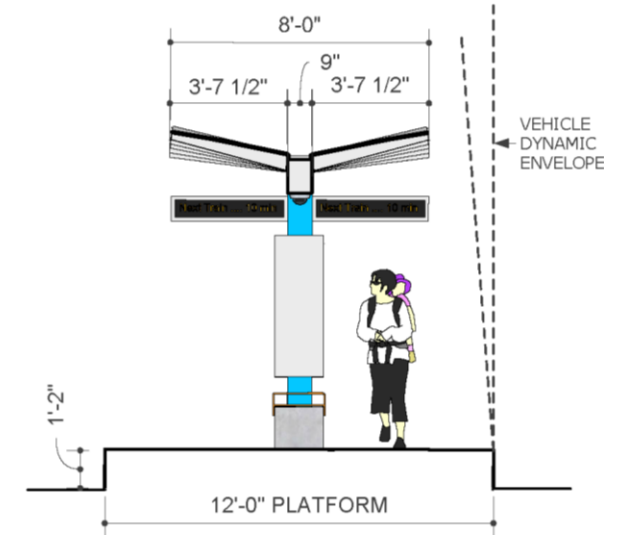
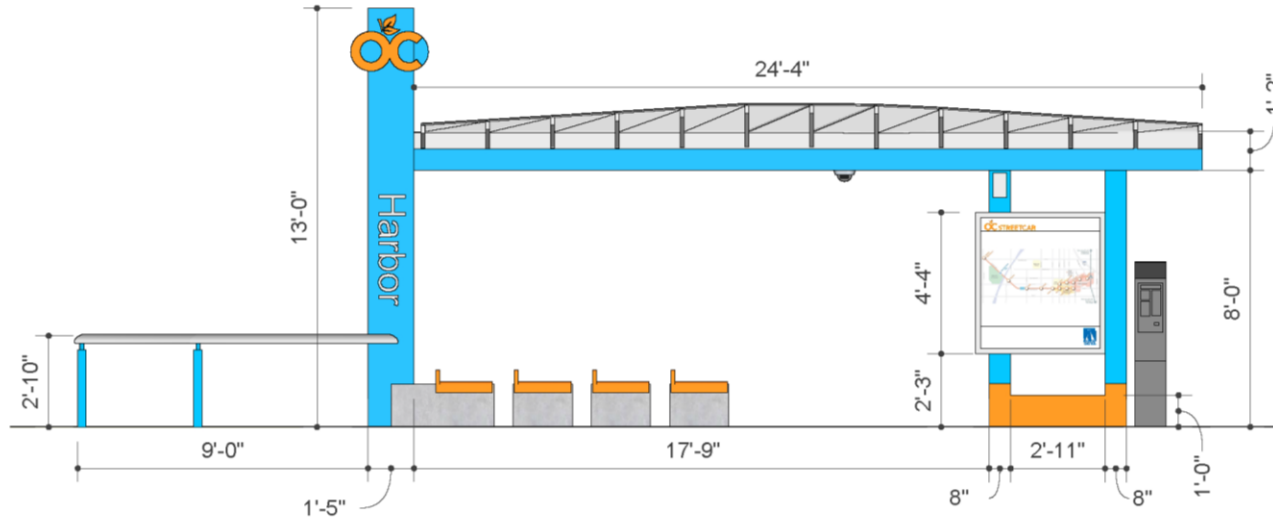


Proposed Revised Design

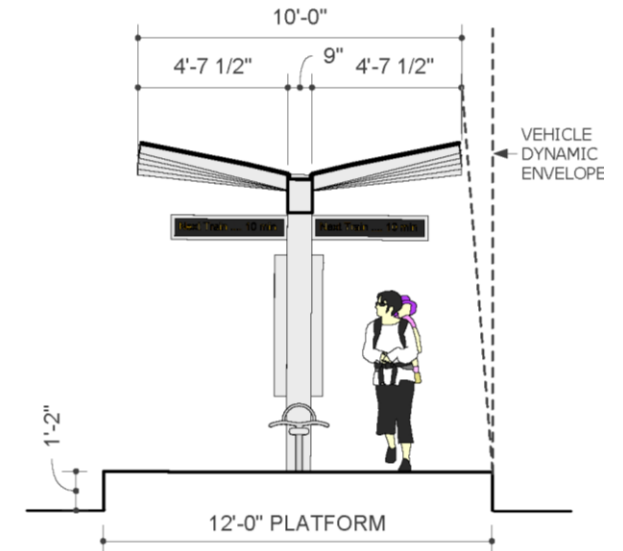
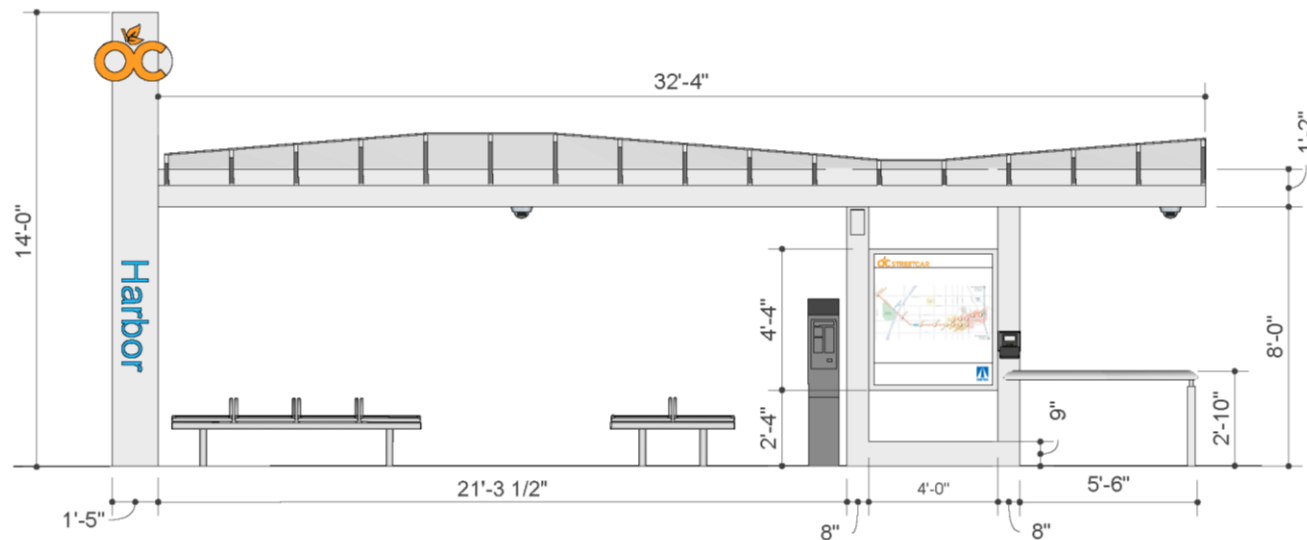


Revised Design – Center Platform

Original Design*



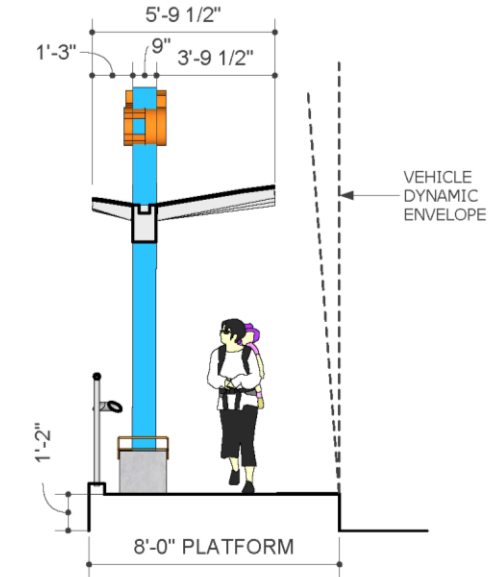
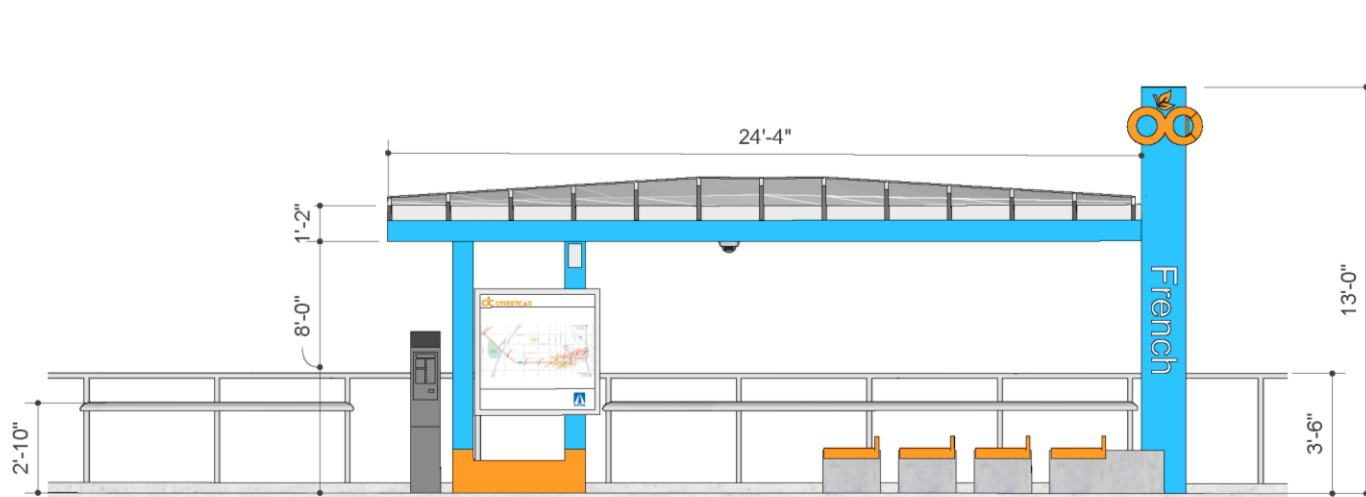
Revised Design



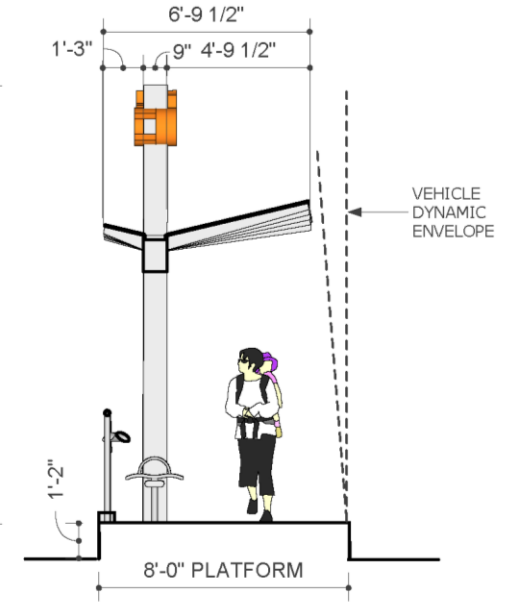
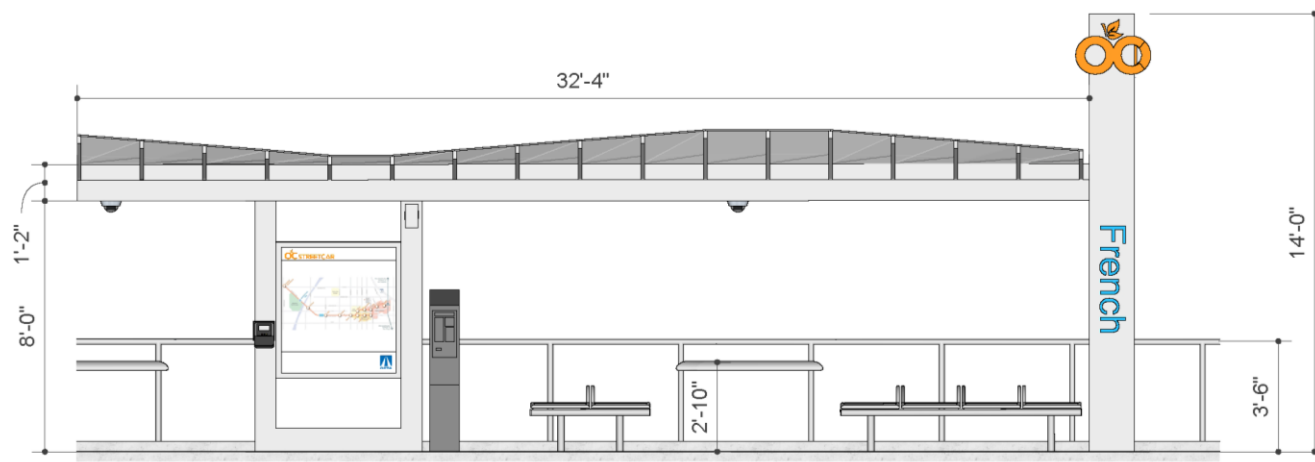
*As presented to the Orange Transportation Authority (OCTA) Board of Directors on 10.24.16

Revised Design – Side Platform

Original Design*



Revised Design



*As presented to the Orange Transportation Authority (OCTA) Board of Directors on 10.24.16

Context Images- Santa Ana Regional Transportation Center



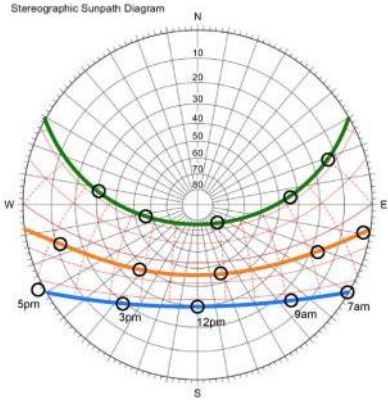
Context Images- French and Santa Ana



Context Images- French and 4th Street

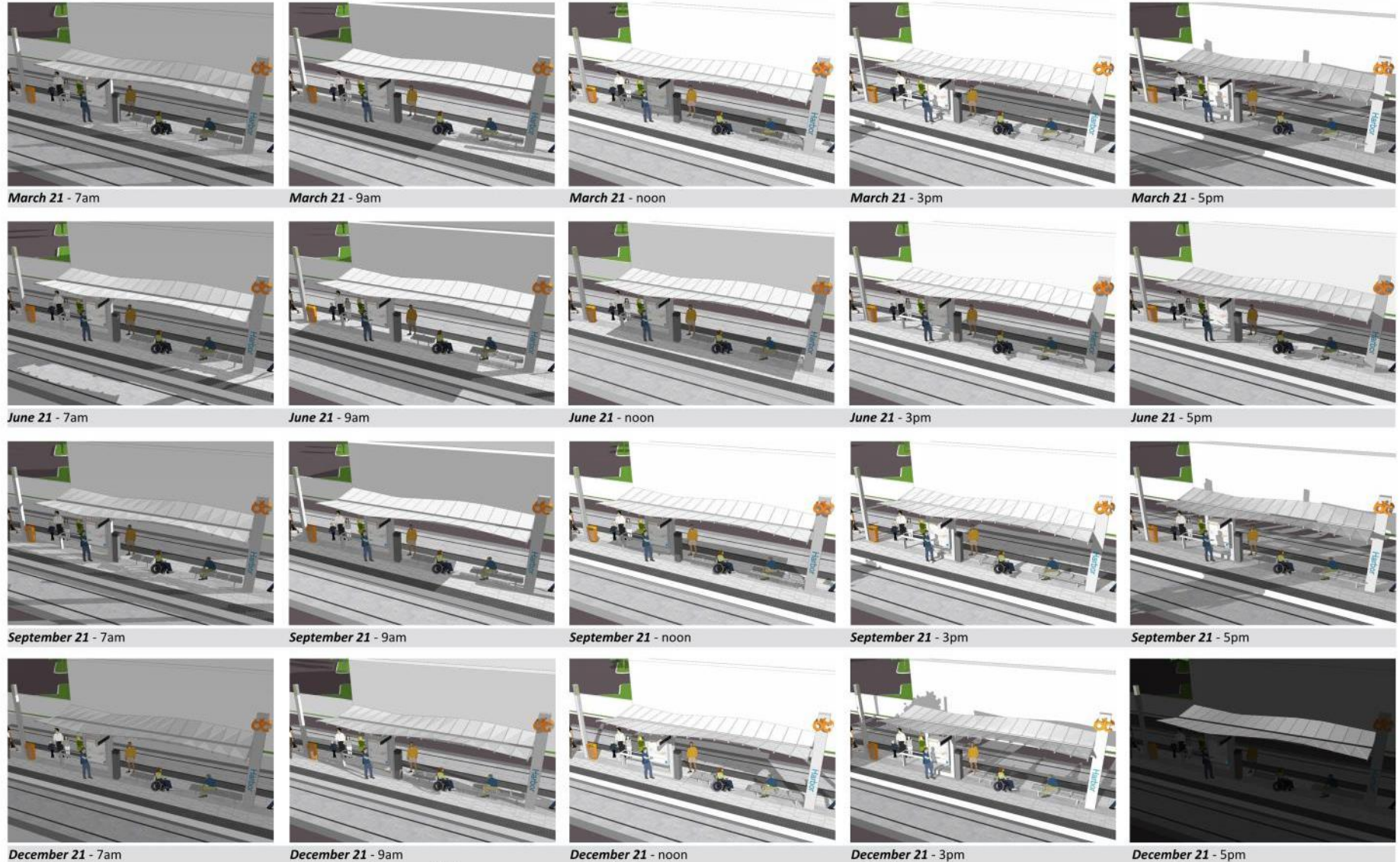


Shade Study



Sun path

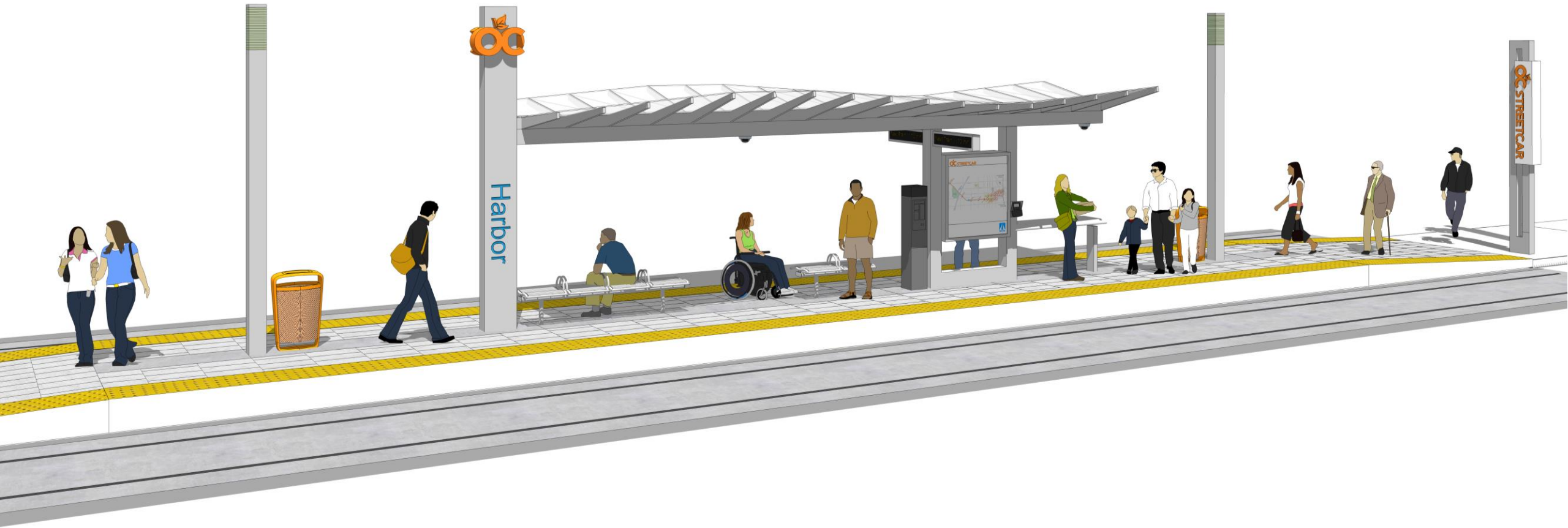
- Today
- June solstice
- December solstice
- Annual variation
- Equinox (March and September)



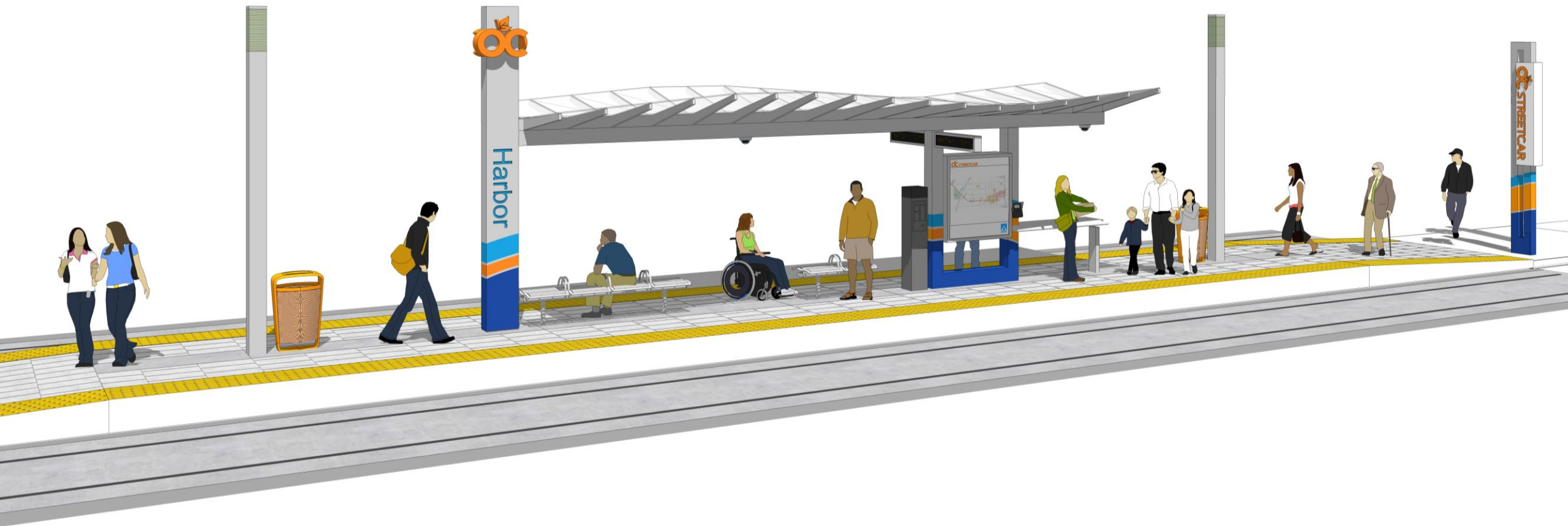
Harbor Boulevard Stop - View from South



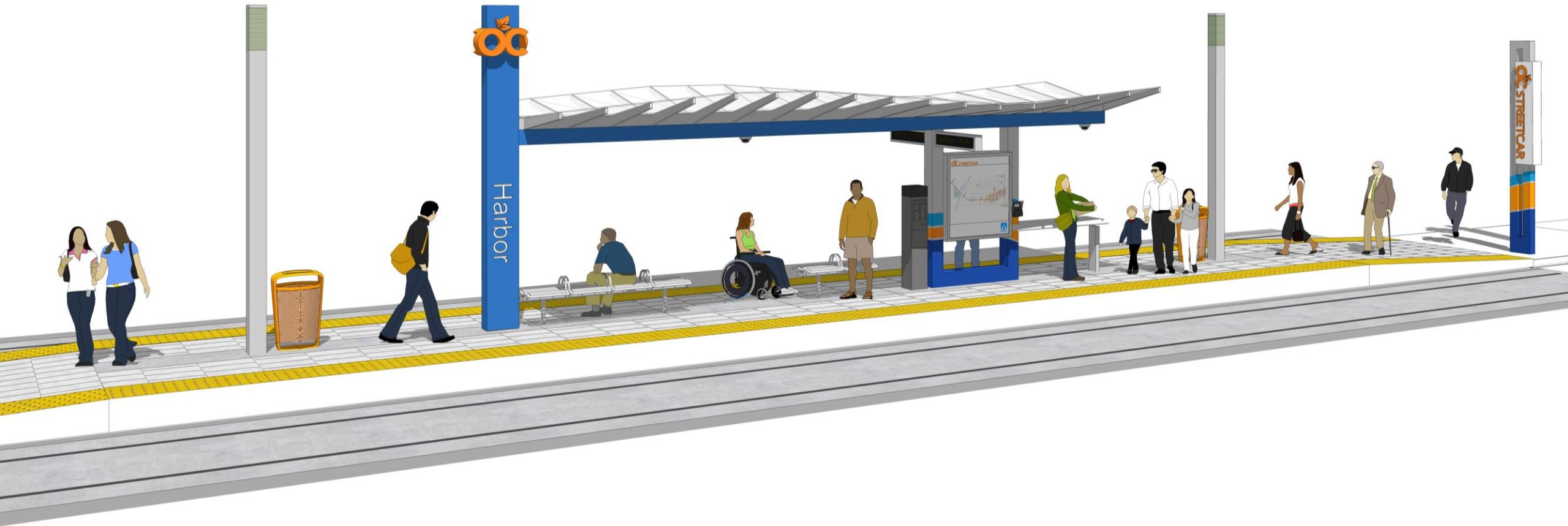
Stop Design – Color Variation 1



Stop Design – Color Variation 2



Stop Design – Color Variation 3



Stop Design – Color Variation 4



Stop Design – Color Variations - Review



Color Variation 1



Color Variation 2



Color Variation 3



Color Variation 4

Project Schedule

