

OCSTREETCAR

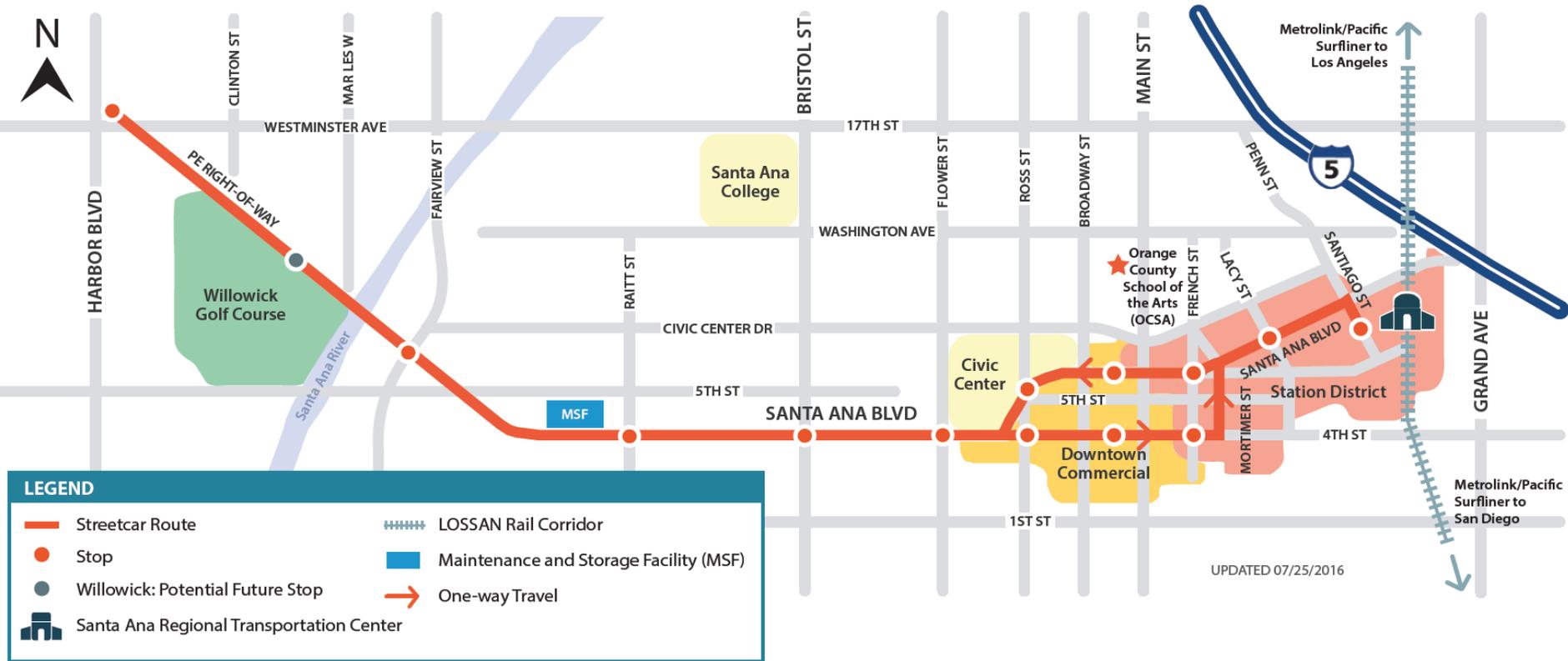


CAC Bicycle/Pedestrian Subcommittee

September 20, 2016

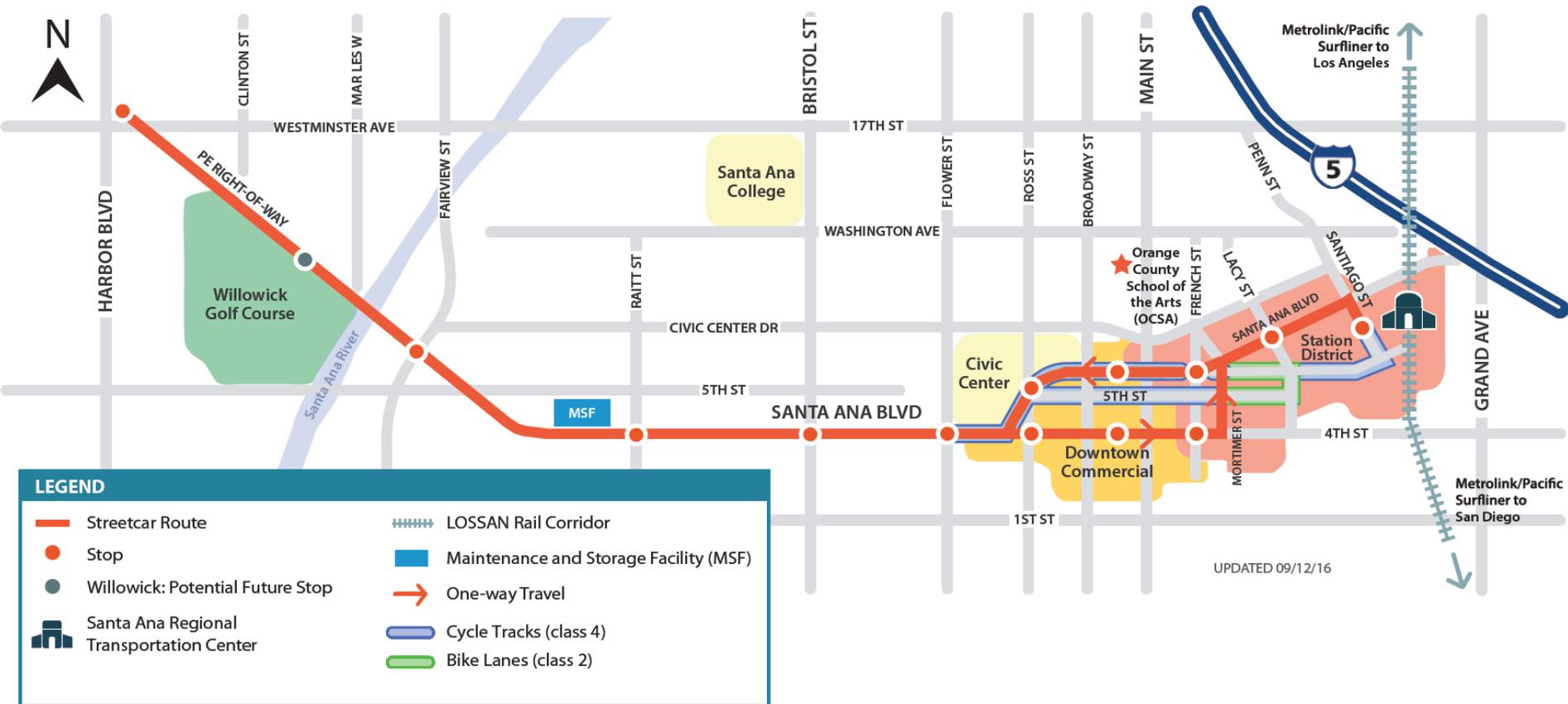


OC Streetcar Alignment



UPDATED 07/25/2016

OC Streetcar Alignment + Cycletrack Square



What is a Modern Streetcar?

- Single vehicle, articulated for tight turns
- Operates in traffic lane with traffic
- Track is flush with traffic lane
- 100% electric

- Low-floor vehicles with fully-level boarding



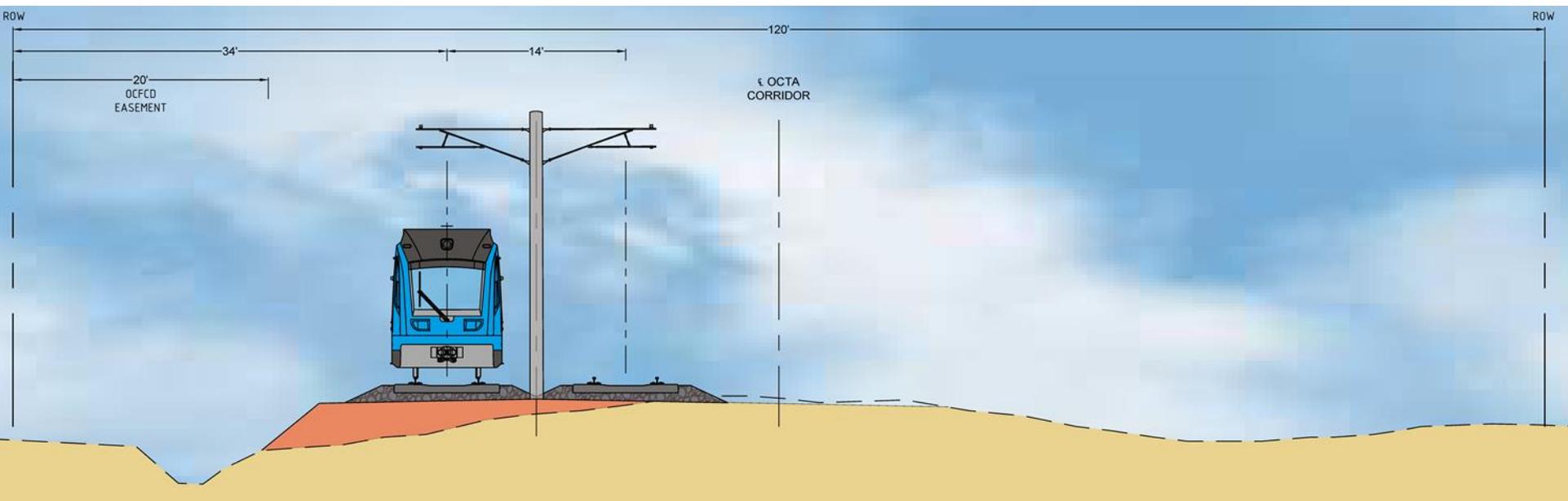
Project Design Segments



Segment 1: PE ROW

(Looking East)

- Two tracks on concrete ties and ballast rock
- 44-mph operating speed
- Fenced and gated right of way
- New rail-only bridges over Westminster Avenue and the Santa Ana River

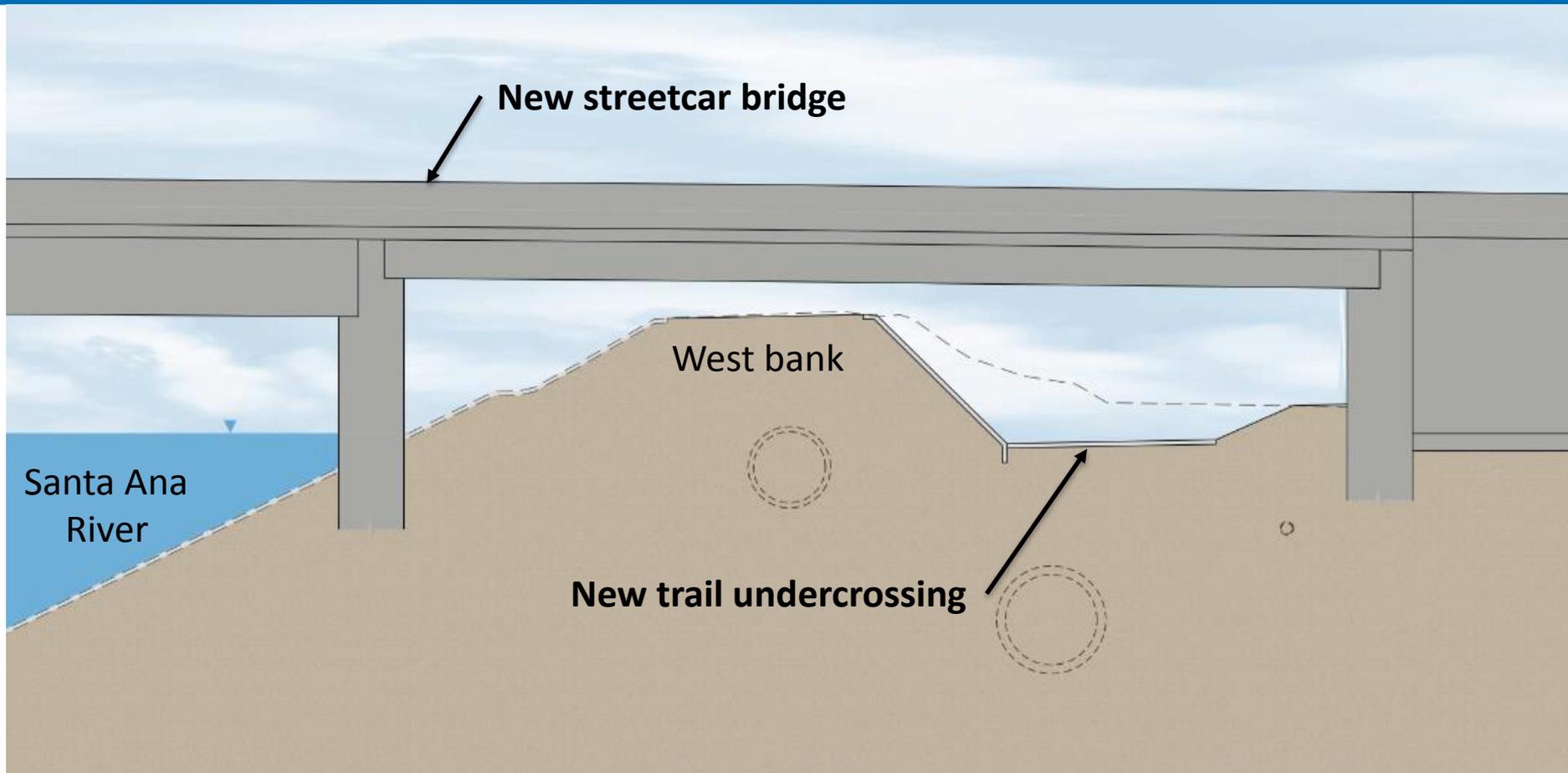


Segment 1: PE ROW



Segment 1: Santa Ana River Trail

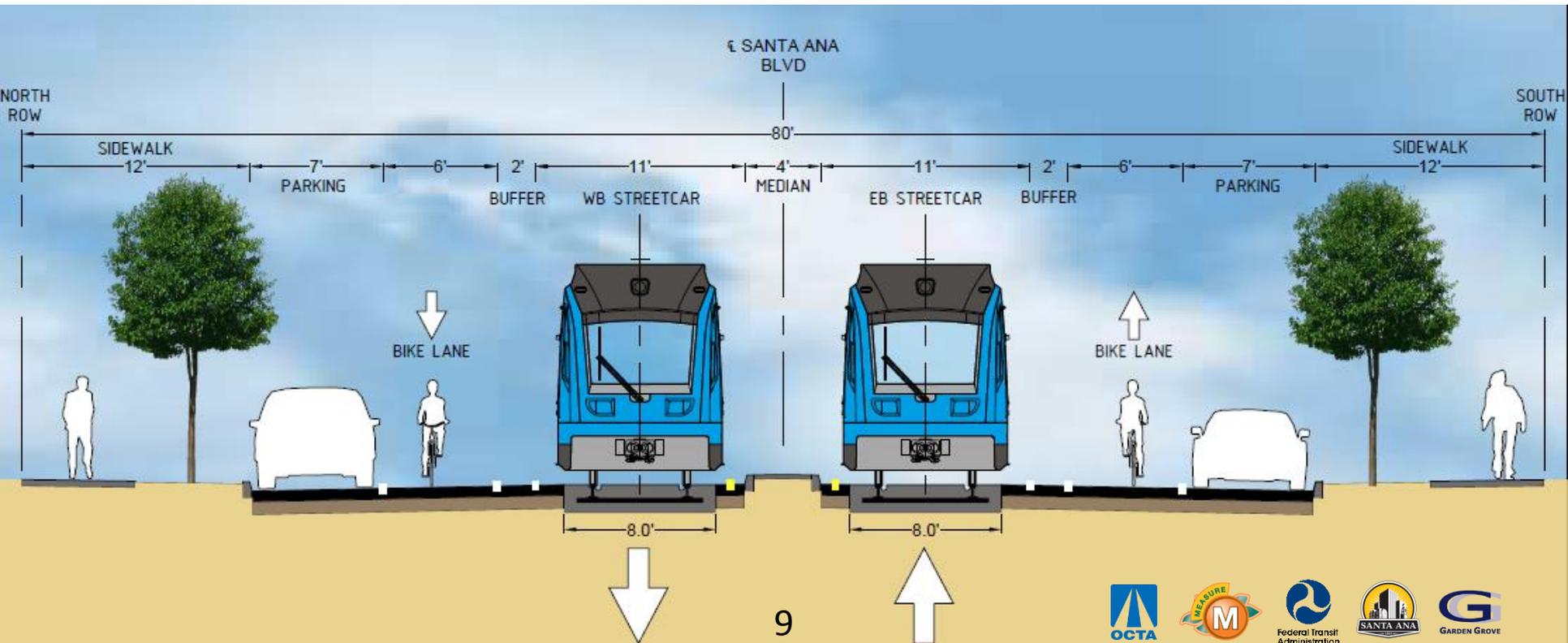
(Looking South)



Segment 2: W. Santa Ana Blvd.

(Looking East)

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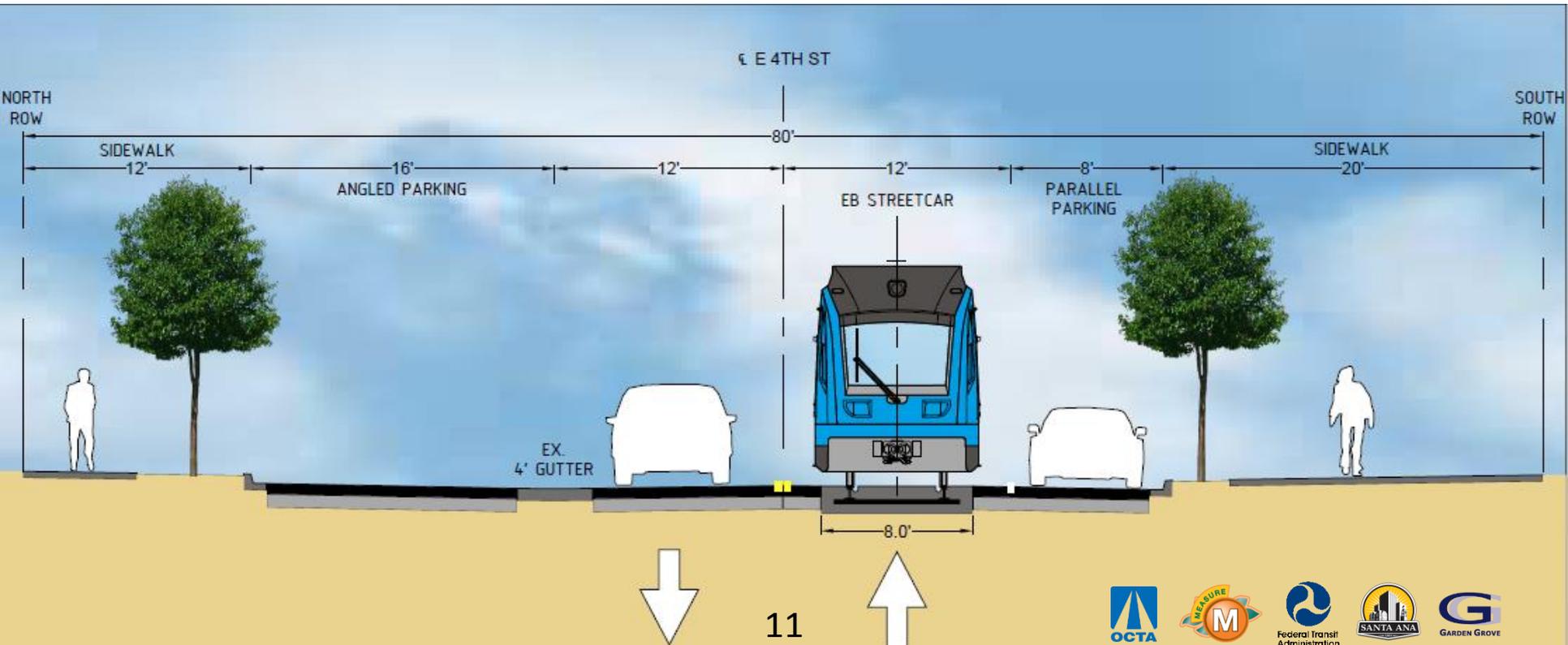
Segment 2: W. Santa Ana Blvd. (Looking East)



Segment 3: Downtown – 4th Street

(Looking East)

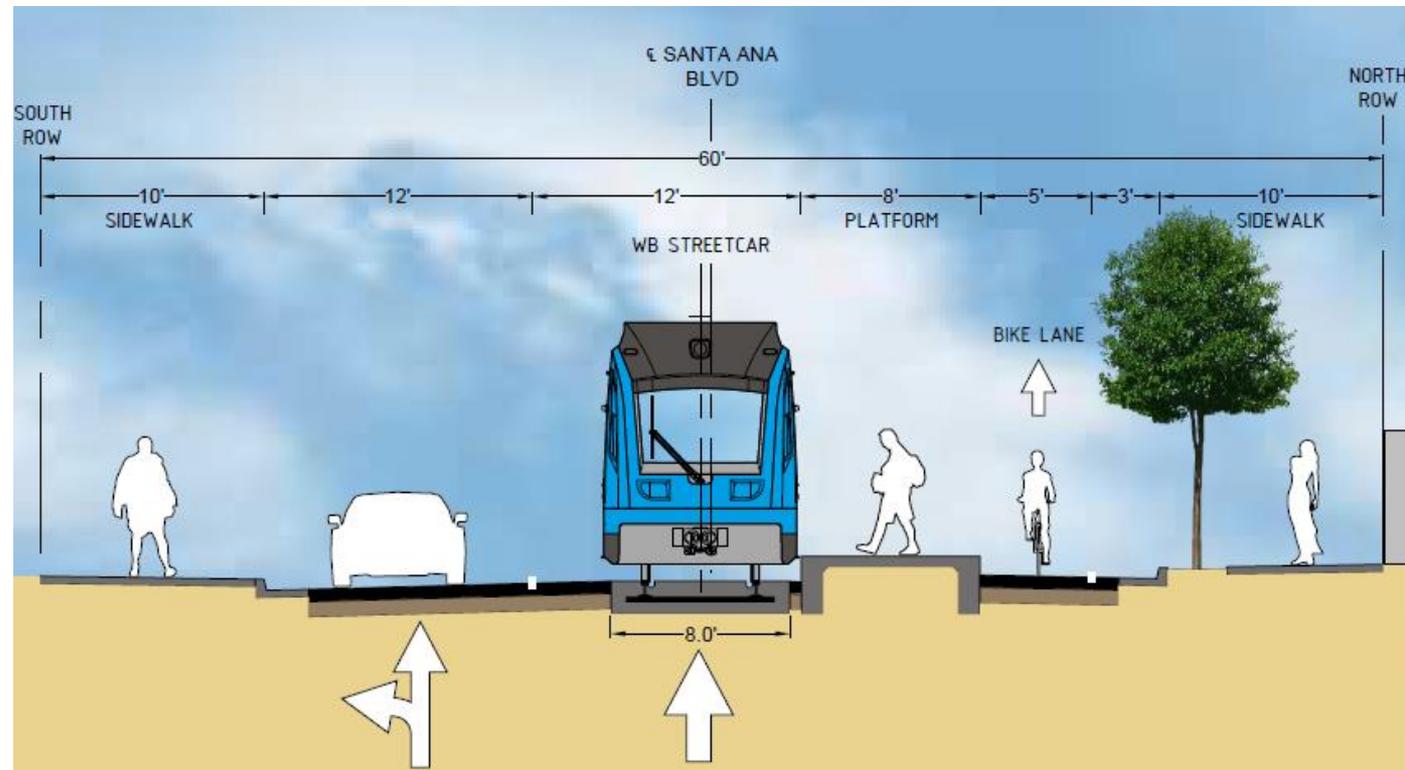
- One lane of traffic in each direction
- Eastbound streetcar operates in the eastbound travel lane
- Parking along north curb remains angled
- Parking along south curb converted from angled to parallel parking



Segment 3: Downtown – Santa Ana Blvd.

(Looking West)

- Two lanes of westbound traffic
- Westbound streetcar operates in the right travel lane
- Westbound cycle track
- Parking or streetcar platform between tracks and cycle track



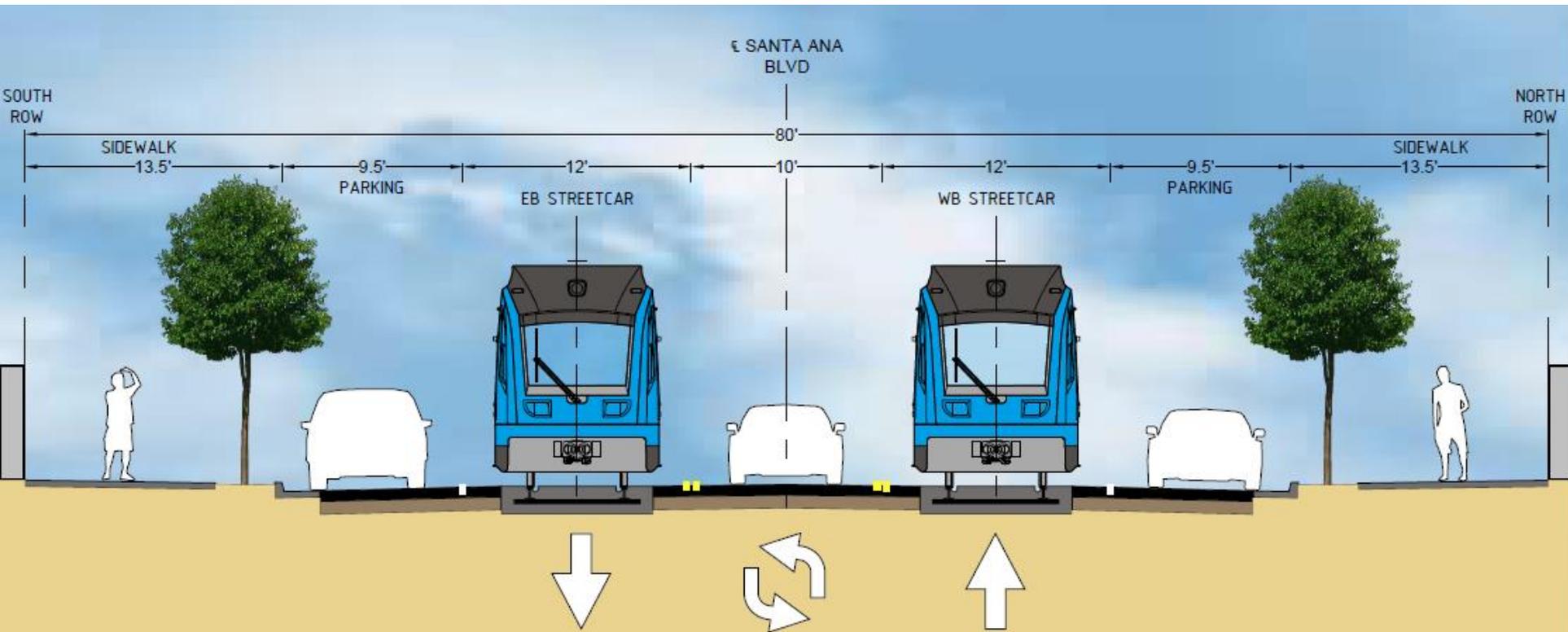
Segment 3: Downtown



Segment 4: E. Santa Ana Blvd.

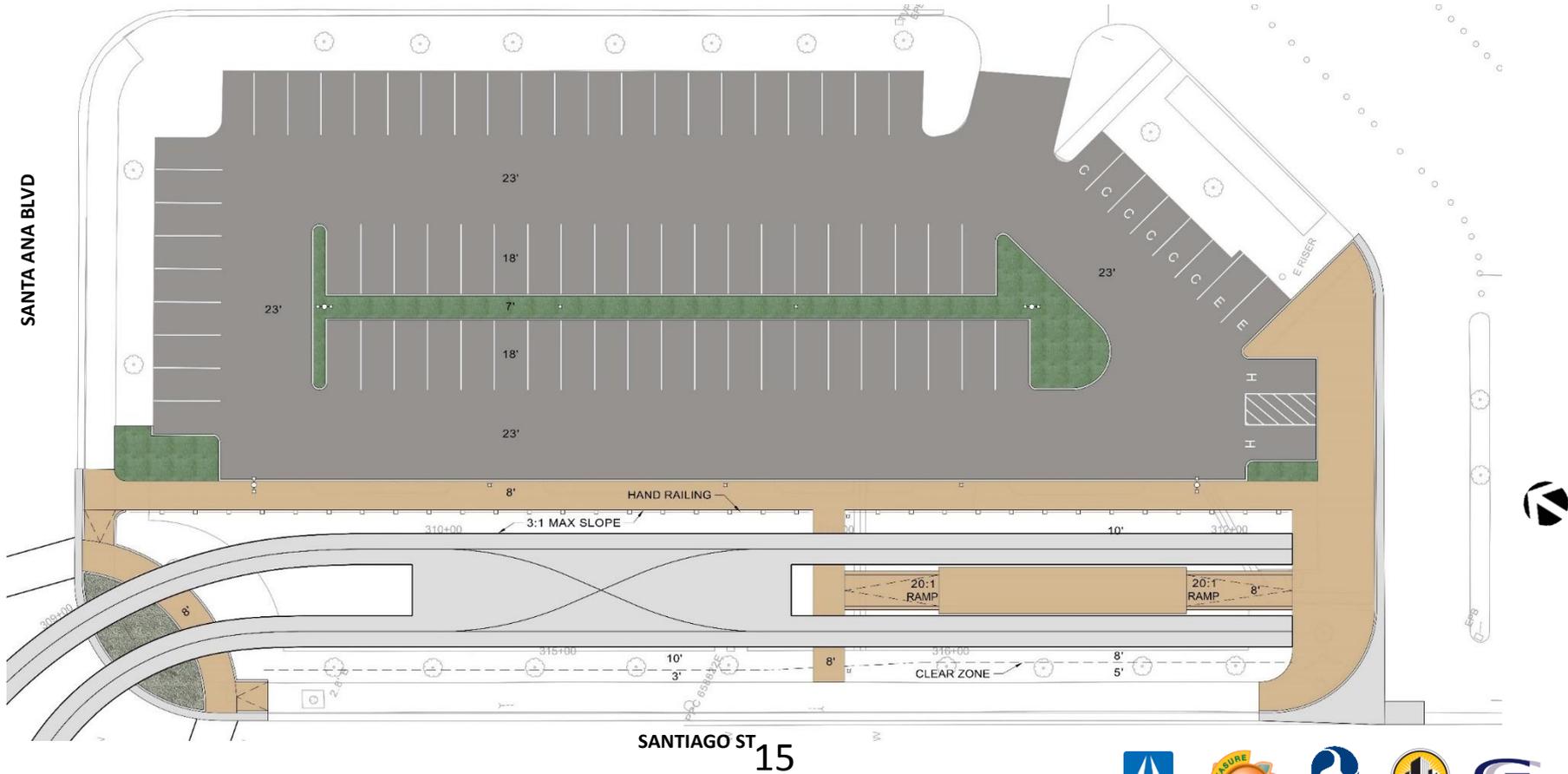
(Looking East)

- One lane of traffic in each direction
- Streetcar operates in the traffic lane
- No bicycle lane (6th Street is proposed as a parallel bicycle boulevard)



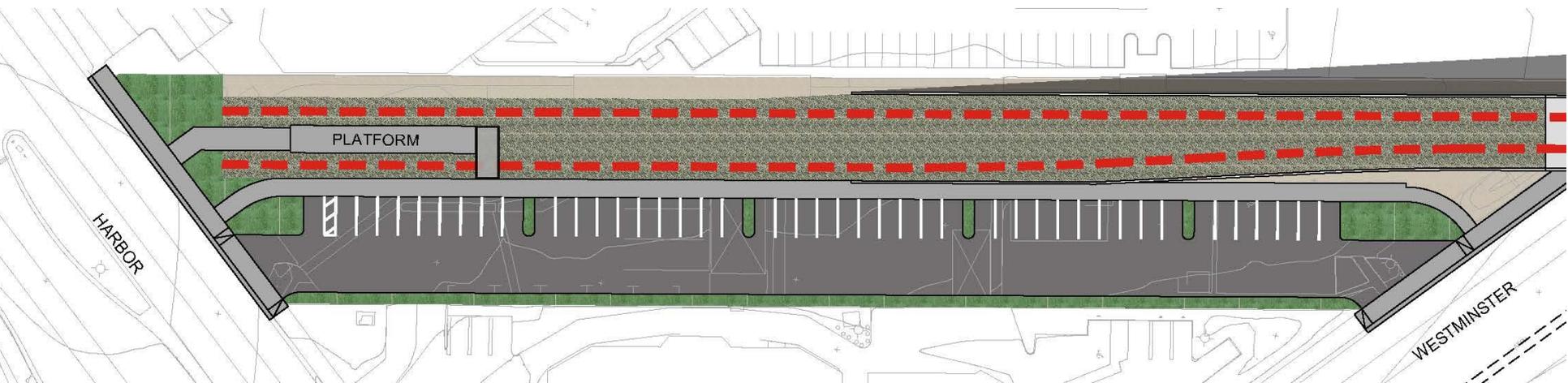
Segment 4: Santa Ana Regional Transportation Center

End of line station – connect to trains, buses, and park-and-ride (for cars/bicycles)



Segment 5: Harbor Blvd Park & Ride

- End of line station – NE corner of Harbor at Westminster
- Connect to buses on Harbor and Westminster
- New park-and-ride – 45 to 50 vehicle spaces



Streetcar Platform: "Transit Island"

- Raised platform, 14" above pavement surface = for level boarding onto streetcar
- Bikeway runs "behind the platform"
- Ramps connect the platform to the sidewalk, beyond the bikeway



Sidewalk

Bikeway

Platform



SANTA ANA BLVD.

Other Design Features

