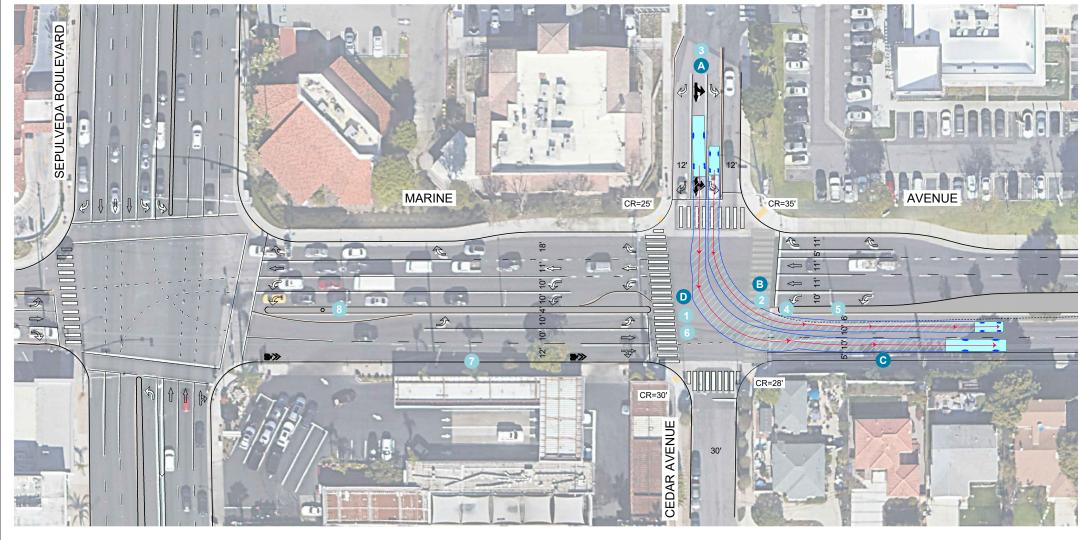
JC18141 MARINE AVE & CEDAR DR MANHATTAN BEACH DE

PRELIMINARY DESIGN CONCEPT





- A Convert the southbound approach from a left, through, and right turn lane to a left, shared left/through, and right turn lane.
- B Removal of the eastern crosswalk to reduce pedestrian conflicts with the southbound left turns resulting in improved operational and safety benefits.
- Maintain the Class II eastbound bicycle lane.
- D The traffic signal would be coordinated with Sepulveda Boulevard & Marine Avenue and optimized.

RECOMMENDATIONS:

- Hardware upgrades to convert the northbound-southbound approaches to split phasing to allow for the southbound dual left turns.
- Remove the eastern continential crosswalk and remove the associated pedestrian signals.
- Restripe pavement markings.
- Median nose trimmed back six feet to accommodate dual left turns.
- Street light pole protected in place.
- 6 Hardware upgrades may be required to optimize the signal.
- New conduit and signal interconnect (SIC) (Fiber / twisted copper pair cable [TWP]).
- Consider vehicle detection using camera mounted on a pole in City-owned right-of-way. Camera could pick up traffic from Sepulveda Boulevard traveling eastbound on Marine Avenue.

