

Pedestrian Safety Barricade Project

City of Manhattan Beach
13th Street Farmers Market and
Manhattan Beach Blvd Near the Pier

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Introduction

- ▶ A Pedestrian Safety Barricade System acts as a barrier that separates pedestrians from the threat of unauthorized vehicles.

Manhattan Beach Proposed Location Map



Bollards Options and Barrier Systems Used by Other Jurisdictions

City of El Segundo Farmers Market



Stored adjacent to City building



Mechanical dolly

City of El Segundo Farmers Market



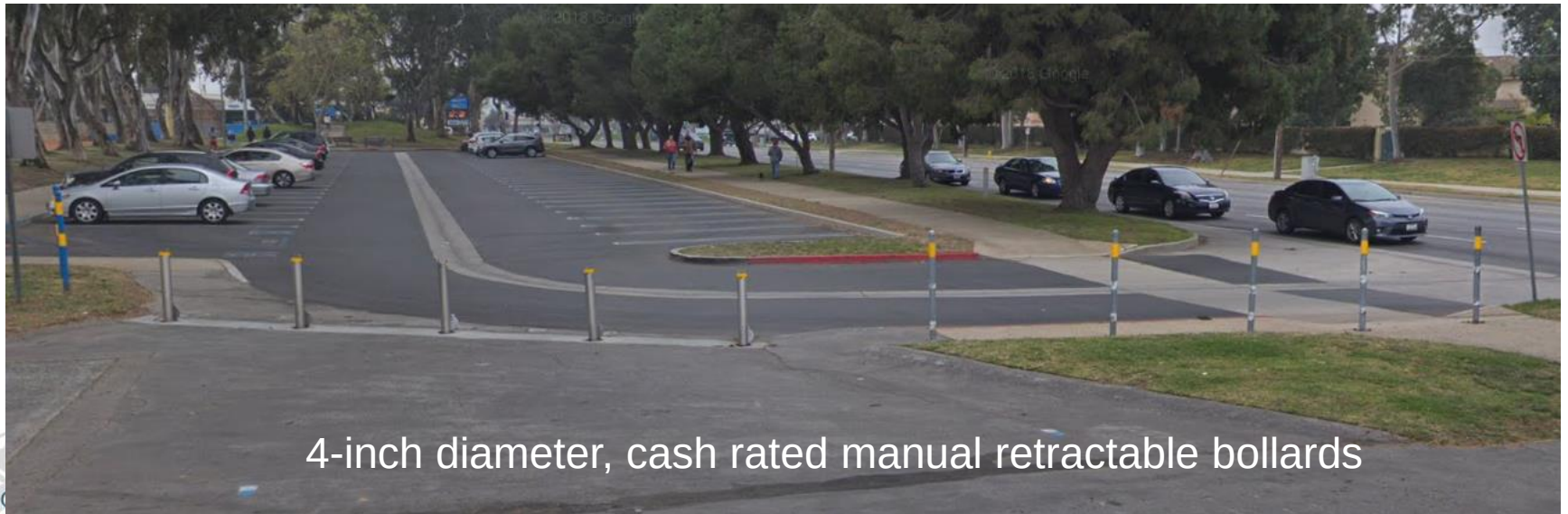
Bollards north of Fire Station #1



Crosswalk at Holly Avenue

City of Torrance

Wilson Park

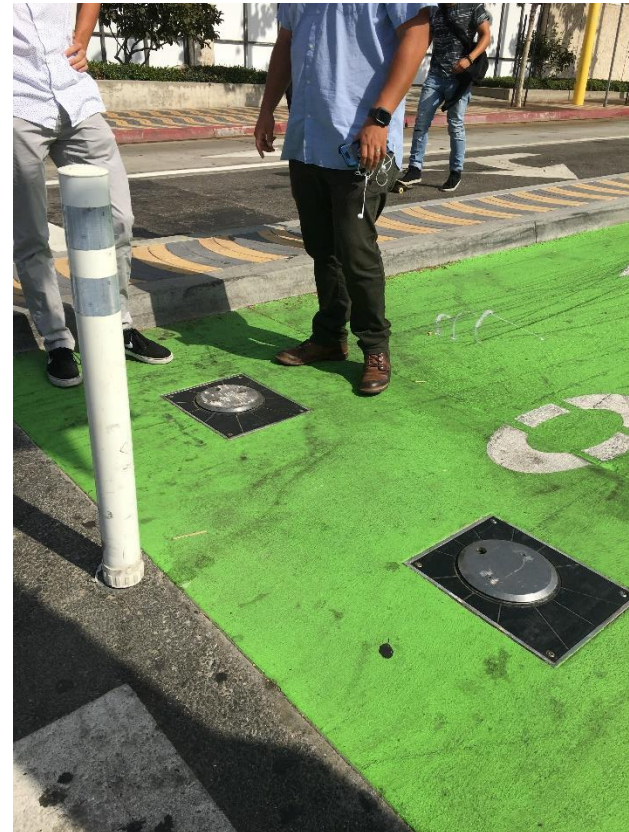


City of Santa Monica Pier Vehicle Bollard Project



8-inch diameter, crash rated, steel pipe,
removable bollards with lockable pin

City of Santa Monica Expo Station



8-inch assistant retractable bollards, crash rated

City of Santa Monica Dragnet Barricade System



Farmers Market Dragnet Barricades System

City of Santa Monica Dragnet Barricade System



Energy absorbers supported by anchor posts

City of Huntington Beach Farmers Market Bollard Project

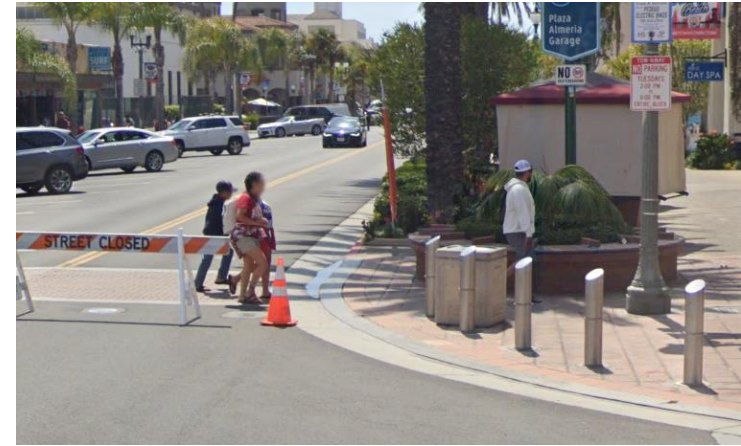


6-inch removable, crash rated, stainless steel, angle top bollards

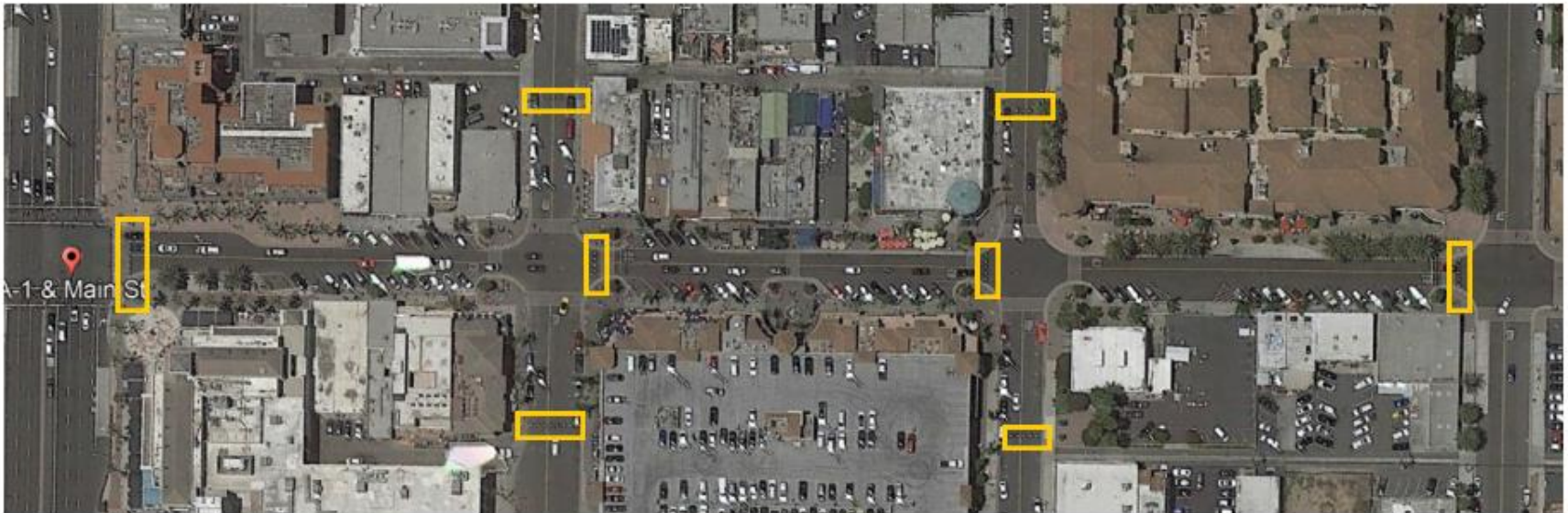
City of Huntington Beach Farmers Market Bollard Project



Bollard storage on the sidewalk
when not used for an event



City of Huntington Beach Bollard Location



 Strategically bollards locations

City of Manhattan Beach Pier Bollard Replacement Project



Crash rated, stainless steel fixed bollards and removable bollards

Staff Recommendations

- ▶ **Appropriate \$200,000** from the General Fund unreserved fund balance design, soils testing and installation of bollards for the Farmer's Market area; and
- ▶ **Approve spending up to \$40,000** from the CIP to assess and evaluate pedestrian safety barrier options on Manhattan Beach Blvd at Manhattan Ave. and Ocean Drive.