LANDSCAPE IMPROVEMENTS

Landscape Features

The project will feature new landscaping and innovative stormwater mitigation features.

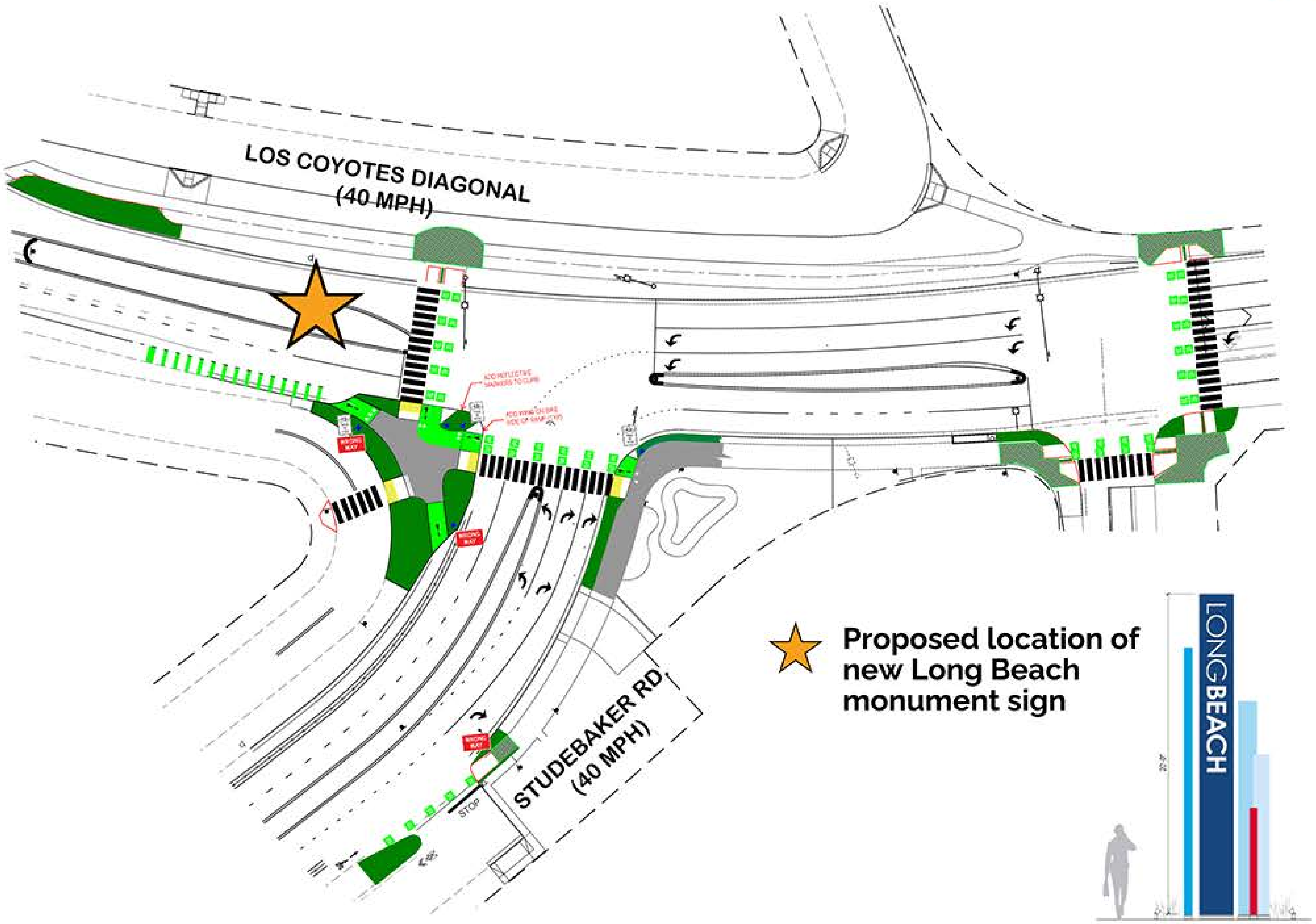
- **Medians:** Select medians throughout the corridor will be enhanced to include meandering jagged rock hardscapes in a wave pattern with new plantings. Reclaimed water will be utilized for irrigation in areas outside of the wetlands.
- **Lighting:** Installation of bollard lighting on the bikeway separator.
- **SEASP Area Considerations:** Trees, shrubs, and ground cover as identified in the Southeast Area Specific Plan (SEASP) Plant Palette will be placed along medians and parkways to the south of Anaheim Road.
- **Selected Trees:**
  - Albizia Julibrissin (*Silk tree*)
  - Cercis Occidentalis (*Western Redbud*)
  - Jacaranda Mimosifolia (*Jacaranda*)
  - Lyonothamnus Floribundus (*Catalina Redwood*)
  - Canary Island Pine (*Pinus Canariensis*)
  - Western sycamore (*Platanus Racemosa*)
  - Holly Leaf Cherry (*Prunus Ilicifolia*)

Conceptual Rendering

Above: Studebaker Road between 2nd Street and Loynes Drive
Left: Landscape Concept at Studebaker Road and Los Coyotes Diagonal

LOS COYOTES DIAGONAL IMPROVEMENTS

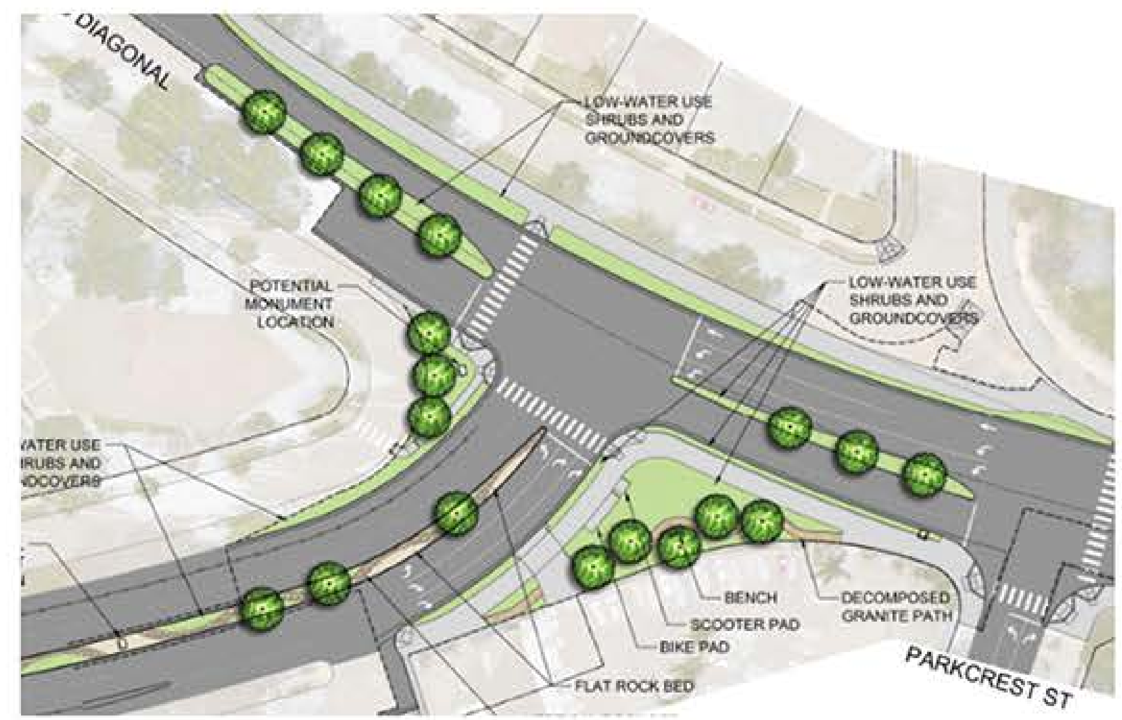
Proposed Redesign of Studebaker at Los Coyotes Diagonal



Intersection Overview

The intersection at Los Coyotes Diagonal will be reconfigured to provide the following safety and accessibility benefits:

- Shortened pedestrian crossing distances
- Sidewalk-level bikeways and protected intersections with new connections to pathways at Heartwell Park and the San Gabriel River
- Urban greening and water quality features
- Wider sidewalks near McBride High School
- Tighter vehicle turns that require slower speeds
- New monument signage



Above: Landscape Concept at Los Coyotes Diagonal

DESIGN OVERVIEW

Overview

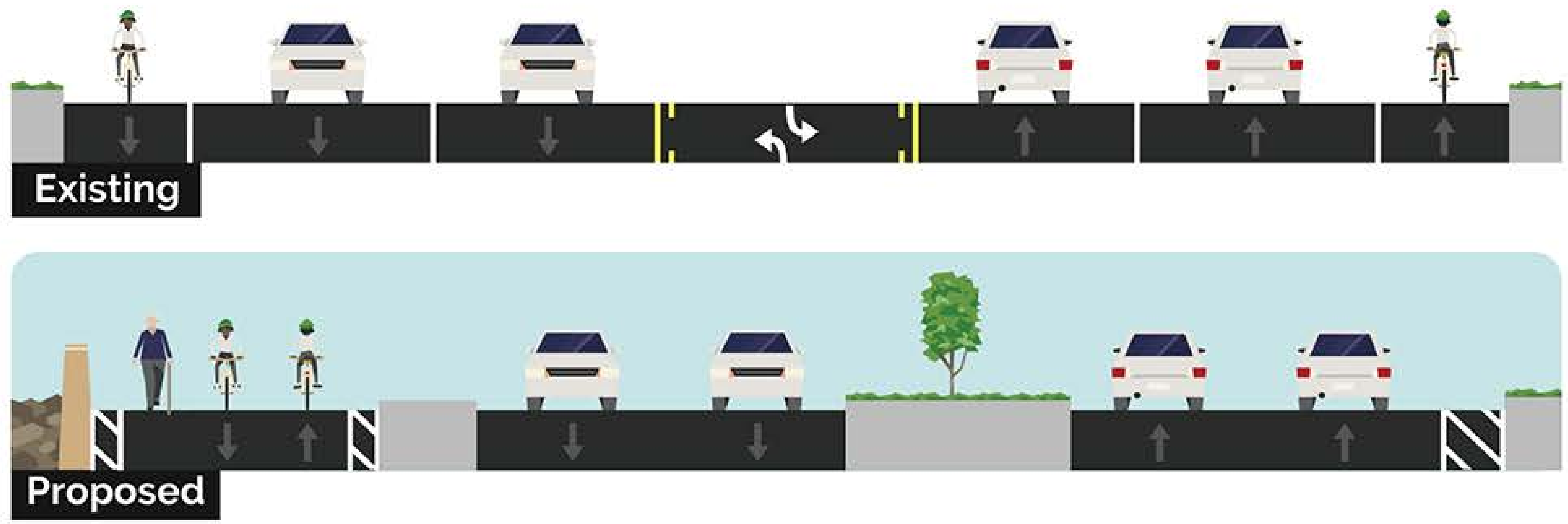
This is not a road diet project.

- New walking and biking improvements will utilize existing shoulders.
- Bus islands will reduce transit dwell times. By boarding in lane, transit operators do not need to wait to pull into traffic.
- Bus arrivals are typically 30 to 40 minutes apart during peak times along Studebaker Road.

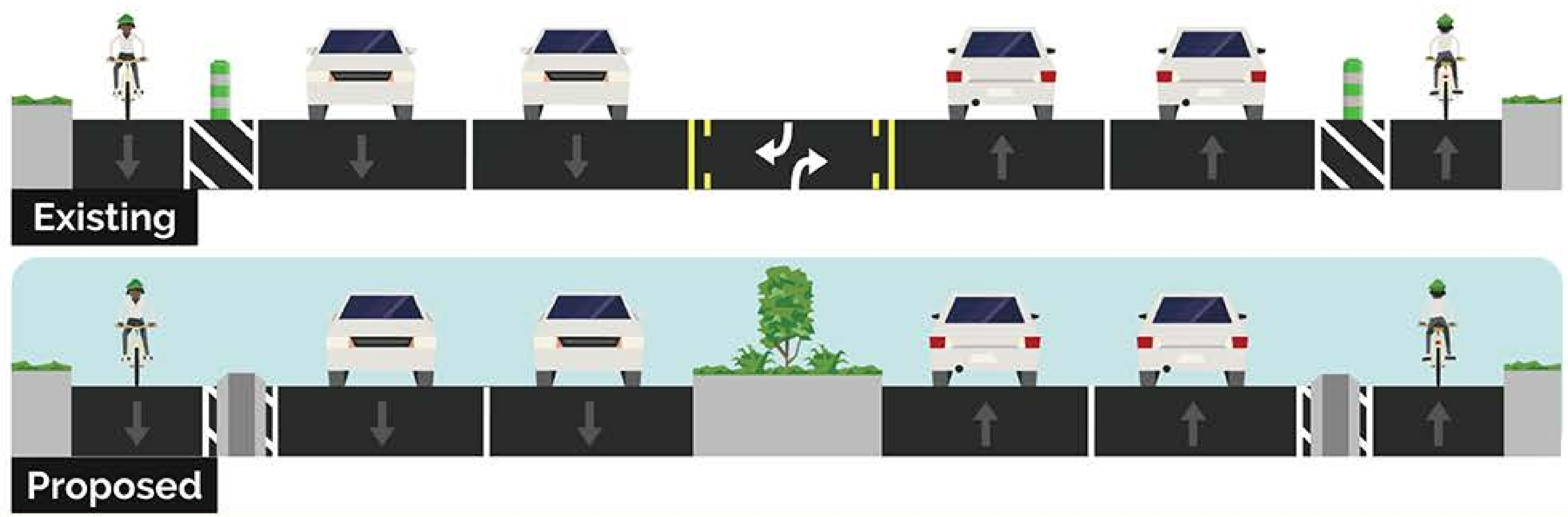
Bus Boarding Island

Above: Bikeway transition at a compact bus boarding island

Example Section - Second Street to Loynes Drive



Example Section - Spring Street to Wardlow Road



BIKEWAY IMPROVEMENTS

Bikeway Overview

The project will upgrade existing bike lanes and add new bike infrastructure to create a continuous and comfortable bikeway from Los Coyotes Diagonal to 2nd Street.

Bikeway Features

Connects to 2nd Street: A bi-directional bicycle and pedestrian path from Anaheim Road to 2nd Street on the west side of Studebaker Road will allow bicyclists to comfortably bypass the SR-22 on/off-ramps at 7th Street and connect to existing bike lanes on 2nd (see rendering).

Studebaker Road at 2nd Street, Looking North

Bikeway Features Cont.

Increases separation from vehicles: Existing bike lanes will receive increased separation from vehicle traffic, including wider buffers and replacement of green bollards with concrete separators (see above).

Eliminates bus conflicts: Bus islands, as shown above on Anaheim Road, will denote clear and separate paths of travel for bicyclists and buses, while also reducing conflicts between those waiting at bus stops.

SCHOOL ADJACENT IMPROVEMENTS

Overview

The Studebaker Road Complete Streets project will benefit students and families who get to school by walking, biking, bus or personal vehicle by creating new comfortable and convenient options for all. Improvements will include shorter crossing distances, slower vehicle turns, protected lefts, new bus shelters, and pedestrian medians.

Existing: Studebaker Rd & Anaheim Rd

Proposed: Studebaker Rd & Anaheim Rd

Existing: Studebaker Rd & Keynote St

Proposed: Studebaker Rd & Keynote St

School - Specific Improvements

Sato Academy

At Anaheim Road:
- High visibility crosswalks
- Bulb-outs on south corners
- Bike markings through the intersection
- New connections to bike path on south side of Anaheim Road

Keller Middle School

At Keynote Street
- High-visibility crosswalks
- New bus islands with bus shelters
- Rectangular rapid flashing beacons

At Walkerton and Harco Streets:
- New bus islands with bus shelters

McBride High School

Los Coyotes Diagonal and Parkcrest Street
- High visibility crosswalks
- Expanded sidewalks with sidewalk-level bikeways and protected intersections
- Bus shelters with bus islands
- Street lighting and landscaping

Cubberly K-8 School

At Rosebay Street
- High visibility crosswalks
- Rectangular rapid flashing beacons
- Bus island with bus shelter

At Wardlow Road
- High visibility crosswalks
- Protected intersection to enhance bicyclist and pedestrian safety

Tincher Preparatory School

At Driscoll Street
- High visibility crosswalks
- Pedestrian refuge on frontage road
- New bus islands with bus shelters
- Signals upgraded with protected left turn arrows

At Atherton Street
- High-visibility crosswalks
- Protected intersections to enhance safety for bicyclists and pedestrians
- New bus islands with bus shelters
- Signals upgraded with protected left turn arrows

TRANSIT AND SIGNAL IMPROVEMENTS

Overview of Signal Improvements

The project includes installation of new fiber optic signal upgrades, and flashing beacons:

- New left turn protected arrows will be installed at select intersections to reduce vehicular conflicts
- Reflective backplates to enhance visibility of signal (shown above)
- Installation of fiber-optic infrastructure to improve signal synchronization and support future communication upgrades
- Rapid flashing beacons will be installed on Studebaker Road at Rosebay Street and Keynote Street

Overview of Transit Improvements

The project will improve the overall transit experience through bus stop upgrades and pedestrian enhancements.

- Bus islands will improve bus travel times by eliminating the need to merge in and out of traffic
- All bus stops will include seating; 16 new bus shelters will provide shade to transit patrons and will be placed further away from vehicle traffic
- Placement of bus shelters and bus islands will minimize potential conflict between pedestrians and bicyclists
- Pedestrian improvements like bulb-outs and shorter crossing distances will make getting to and from bus stops less stressful