

The background of the slide is a photograph of a park area. On the left, there is a green lawn with a small wooden gazebo. In the foreground, there are some trees and a fenced-in area. In the background, there are mountains under a blue sky. The right side of the slide is covered by a dark green, semi-transparent geometric overlay with various shades of green and white lines.

University Dog Park: Parking Study

Study Session
March 14, 2024

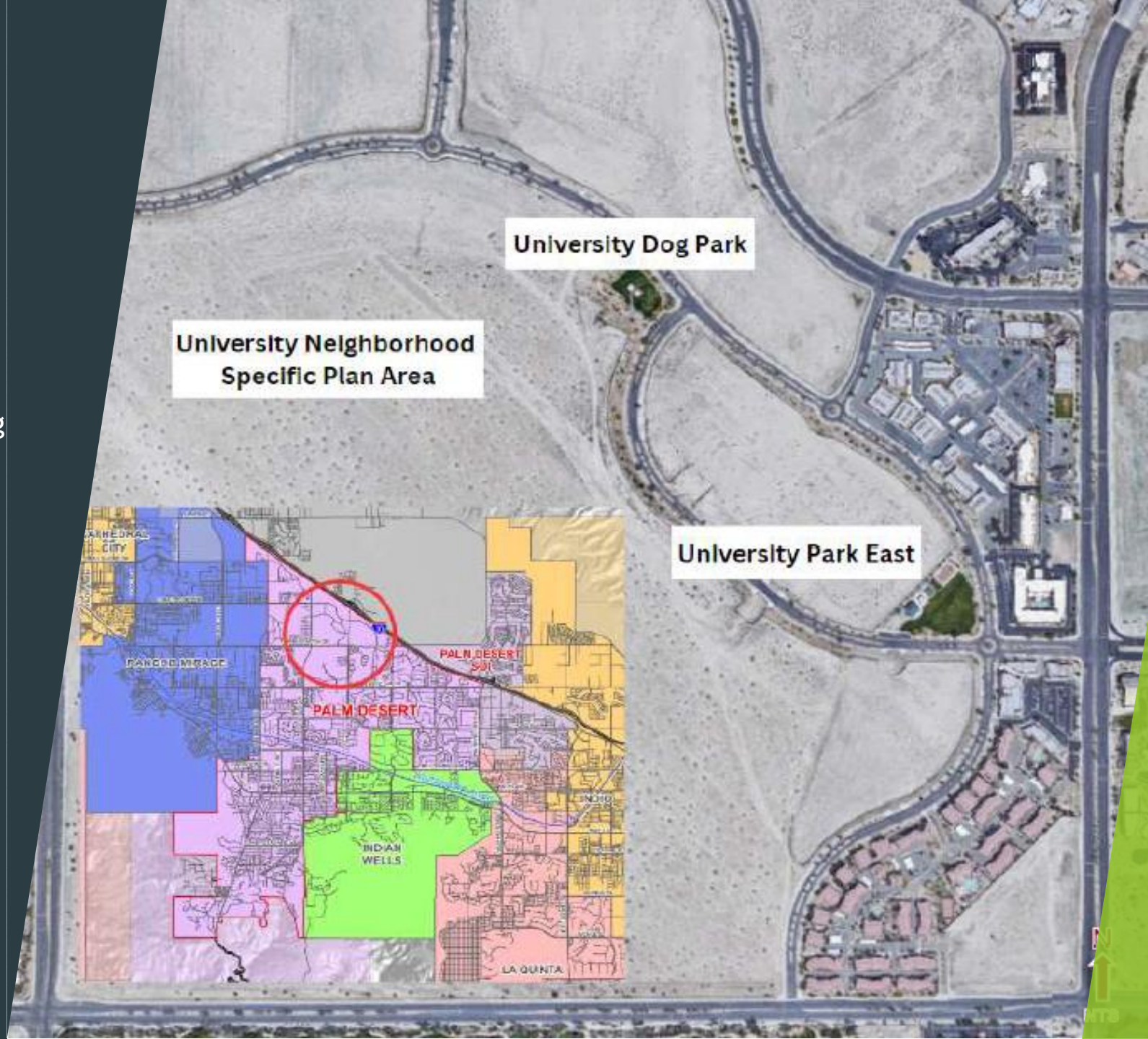
Agenda

- ▶ Why Study Parking?
- ▶ Existing Conditions
- ▶ Alternatives
- ▶ Recommendation



Why Study Parking?

- Initially developed as a neighborhood park
- Residential growth in North Sphere has increased demand on park space & parking
 - Existing: 1,890
 - Approved: 3,710
 - Under Review: 1,340
 - Under Construction: 770
- 5,800 additional homes in development
(308% increase over next 10 years)
- Resident requests to increase parking
- Explore options to increase parking



Existing Conditions

Parking Spaces

- ❑ 13 parking spaces (2 ADA spaces)
- ❑ On-street parking prohibited (both sides)

Roadway

- ❑ University Park Drive
 - ❑ 46' roadway (curb-to-curb)
 - ❑ 11' travel lane
 - ❑ 6' bike lane
 - ❑ 12' raised median island
 - ❑ 35 MPH
- ❑ College Drive
 - ❑ 46' roadway (curb-to-curb)
 - ❑ 11' travel lane
 - ❑ 6' bike lane
 - ❑ 12' raised median island
 - ❑ 40 MPH







Alternative 1: Parking Pocket

- ▶ Construct a parking pocket (south side of College Drive)
- ▶ Provides 8 additional parking spaces (includes 1 ADA spaces)
- ▶ Requires retaining wall with fill to bring parking area to street level
- ▶ Cost: \$710,000 (\$88,800 per space)



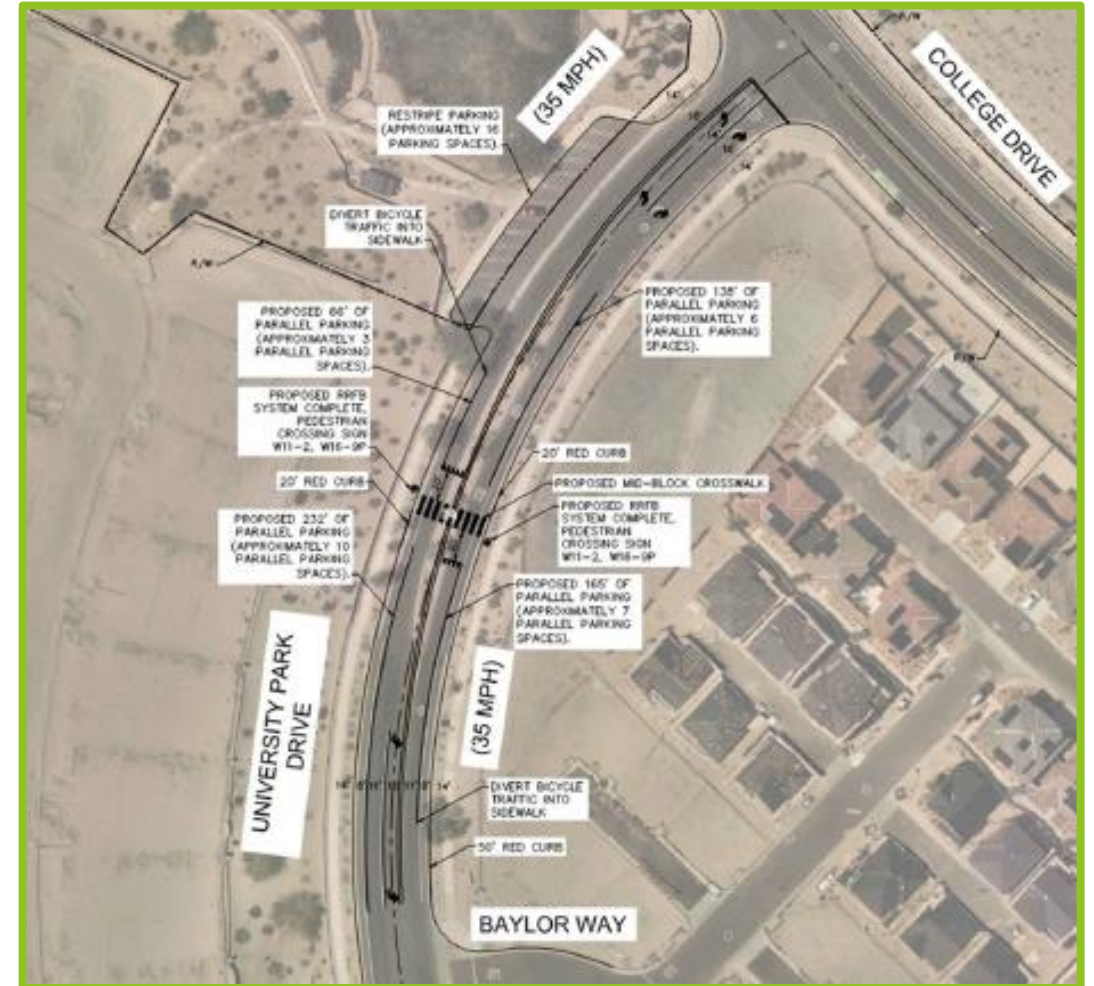
Alternative 2: Parking Area

- ❑ Construct a parking area (driveway into College Drive)
- ❑ Requires grading of slope
- ❑ Provides pedestrian access to park from existing path
- ❑ Provides 34 additional parking spaces (includes 2 ADA spaces)
- ❑ Cost: \$2,140,000 (\$62,900 per space)



Alternative 3: Street Parking

- ❑ Remove raised median on University Drive (Baylor Way & College Drive)
- ❑ Remove Class II bike lane & divert bicycle traffic to sidewalk
- ❑ Realign travel lanes to accommodate left & right turns (College Drive)
- ❑ Provides 42 additional parking spaces
- ❑ Construct mid-block crosswalk with Rectangular Rapid Flashing Beacon (RRFB)
- ❑ Cost:
 - ❑ \$440,000 (striped) - \$10,500 per space
 - ❑ \$694,000 (raised) - \$16,500 per space

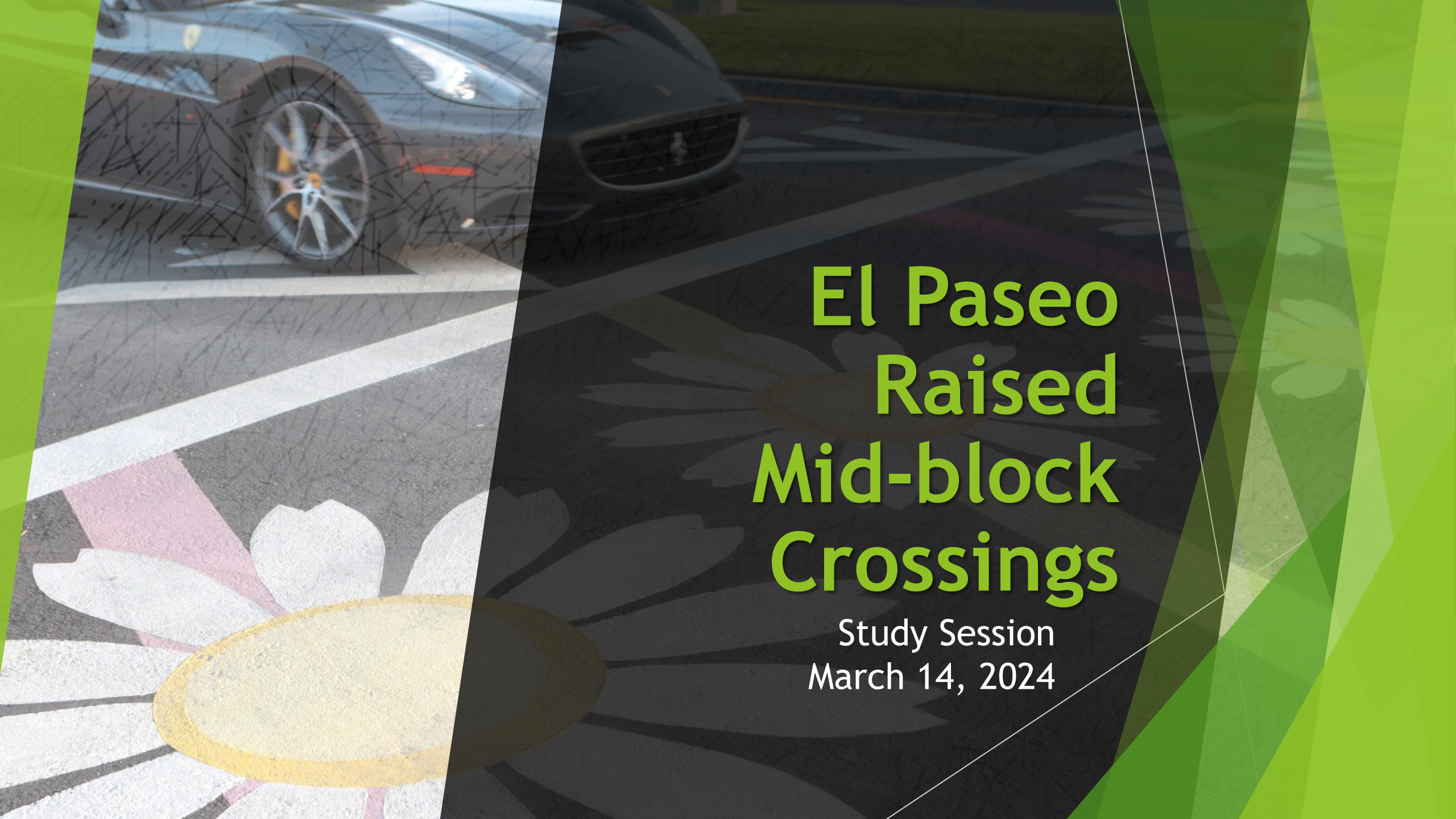


Recommendation

Location	Alternatives	New Spaces	Cost Per Space	Total Cost
Alternative 1: Parking Pocket	Build new parking pocket to accommodate additional parking spaces	8	\$88,800	\$710,000
Alternative 2: Parking Area	Build new parking area above park to accommodate parking spaces	34	\$62,900	\$2,140,000
Alternative 3A: Street Parking (Raised Crosswalk)	Remove existing median & bike lane, construct crosswalk with RRFB, & divert bike lane into sidewalk to accommodate parking spaces on both sides of street	42	\$16,500	\$694,000
Alternative 3B: Street Parking (Striped Crosswalk)	Remove existing median & bike lane, construct crosswalk with RRFB, & divert bike lane into sidewalk to accommodate parking spaces on both sides of street	42	\$10,500	\$440,000



Questions



El Paseo Raised Mid-block Crossings

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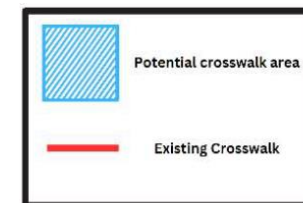
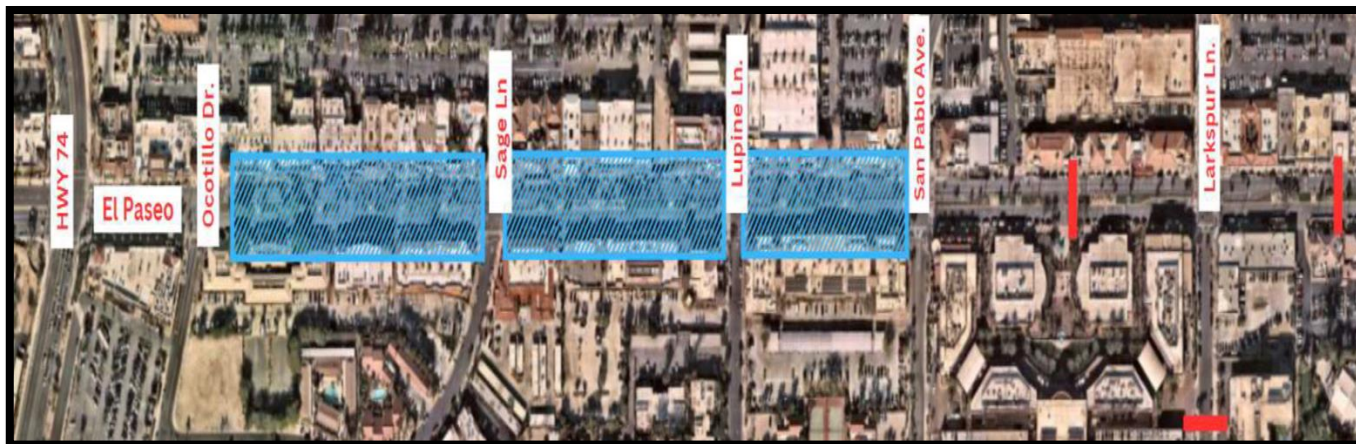


Agenda

- ▶ Why Study Crosswalks?
- ▶ Existing Raised Crosswalks
 - ▶ Recommendations (Existing)
- ▶ New Crosswalk Alternatives
 - ▶ Recommendations (New)
- ▶ Cost Summary

Why Study Raised Crosswalks?

- ❑ *Why study raised crosswalks on El Paseo?*
 - ❑ El Paseo merchants requested the City to install additional mid-block raised crosswalks on El Paseo (Highway 74 & San Pablo Avenue)
- ❑ *What locations are apart of the study?*
 - ❑ 3 existing locations
 - ❑ 3 new locations



Existing Raised Crosswalks

- ❑ El Paseo (San Pablo Avenue & Larkspur Lane)
- ❑ El Paseo (Larkspur Lane & San Luis Rey Avenue)
- ❑ Larkspur Lane (El Paseo & Shadow Mountain Drive)

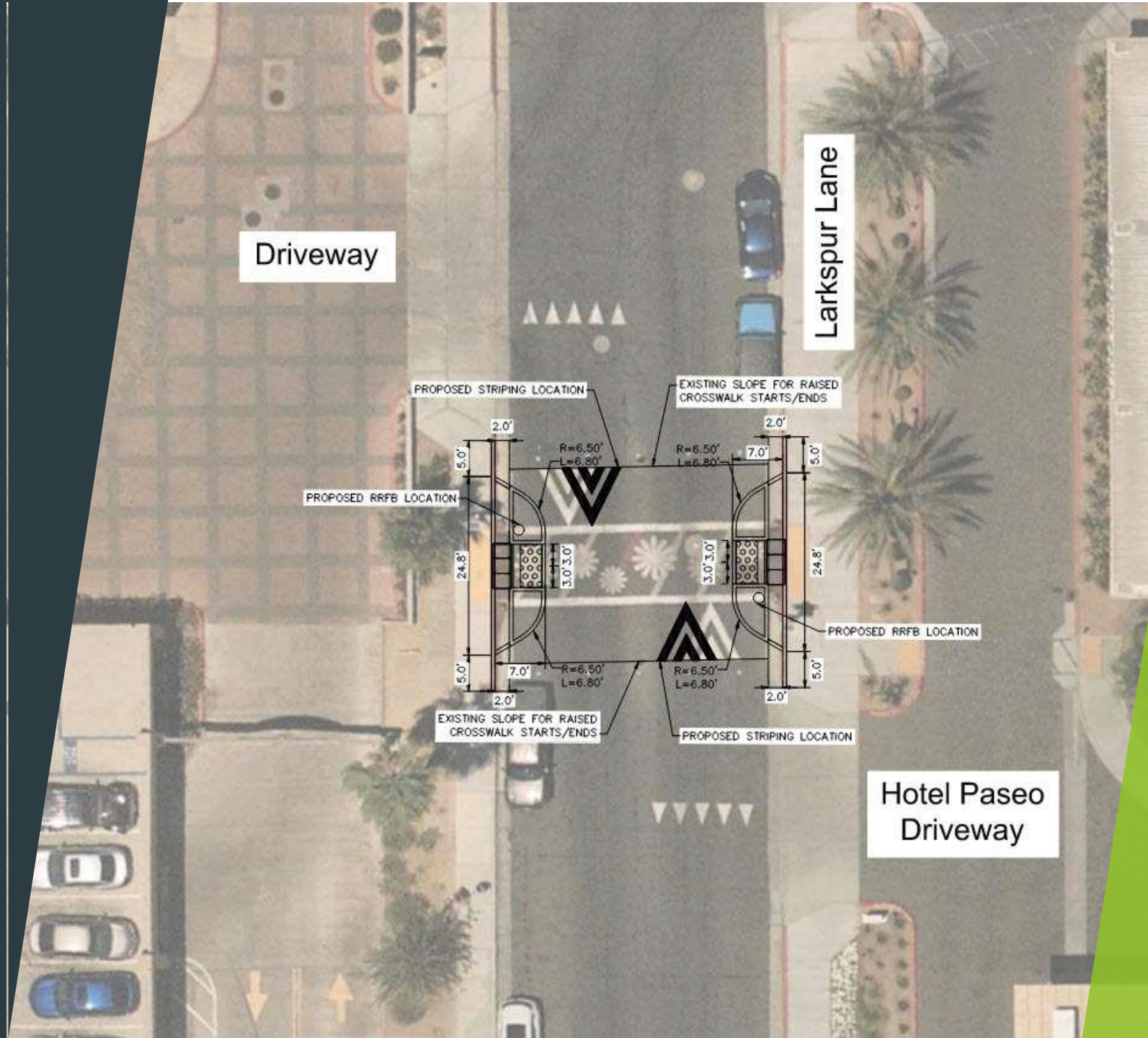


★ Rectangular
Rapid
Flashing
Beacons (RRFB)



Recommendations: Existing Raised Crosswalks

- Keep 3 existing raised crosswalks
- Replace the RRFB units at 3 locations
- Construct a sidewalk bulb-out (Larkspur Lane)



Recommendations: Existing Raised Crosswalks

Location	Recommendation	Cost
El Paseo (San Pablo Avenue to Larkspur Lane)	• Retain existing raised crosswalk • Replace RRFB system	\$130,000
El Paseo (Larkspur Lane to San Luis Rey Avenue)	• Retain existing raised crosswalk • Replace RRFB system	\$130,000
Larkspur Lane (El Paseo & Shadow Mountain Drive)	• Construct a raised sidewalk bulb-out on east side & west sides • Replace RRFB system	\$240,000
	Total:	\$500,000



EL PASEO

***Raised Crosswalk
Alternatives Explored...***

**El Paseo
(Ocotillo Drive & Sage Lane)**

**El Paseo
(Sage Lane & Lupine Lane)**

**El Paseo
(Lupine Lane & San Pablo Avenue)**

Raised Mid-block Crosswalks:

El Paseo (Ocotillo Drive & Sage Lane)

Collision Data

- ❑ No vehicle-pedestrian collisions observed at location

Field Observations

- ❑ Existing segment length is ~800 feet
- ❑ Located near restaurants & jewelry shop
- ❑ Connects to 2 pedestrian-only passages leading to parking areas behind stores
- ❑ No driveways along this segment

Business Outreach

- ❑ Generally supportive

Recommendation

- ❑ Construct raised pedestrian crossing & RRFB system
- ❑ Cost: \$470,000 (asphalt only)



Raised Mid-block Crosswalks:

El Paseo (Sage Lane & Lupine Lane)

Collision Data

- ❑ No vehicle-pedestrian observed collisions at location

Field Observations

- ❑ Existing segment length is ~675 feet
- ❑ Located near retail stores & 2 jewelry shops
- ❑ Connects to 2 pedestrian-only passages leading to parking areas behind stores
- ❑ No driveways along this segment

Business Outreach

- ❑ Generally supportive

Recommendation

- ❑ Construct raised pedestrian crossing & RRFB system
- ❑ Cost: \$470,000 (asphalt only)



Raised Mid-block Crosswalks:

El Paseo (Lupine Lane & San Pablo Avenue)

Collision Data

- ❑ No vehicle-pedestrian collisions observed at location

Field Observations

- ❑ Existing segment length is ~510 feet
- ❑ Located near retail stores & coffee shop
- ❑ Connects shopping center into the interior of the north side of block
- ❑ Terminates near existing driveway, which creates potential for vehicle-pedestrian conflicts

Recommendation

- ❑ Not recommended



Recommendations: New Raised Crosswalks

Base Costs (Asphalt Only):

Location	Recommendation	Cost
El Paseo (Ocotillo Drive to Sage Lane)	Construct raised crosswalk w/RRFBs	\$470,000
El Paseo (Sage Lane to Lupine Lane)	Construct raised crosswalk w/RRFBs	\$470,000
	Total:	\$940,000

Additional Costs (Pavement Enhancements):

Improvement	Cost
New High Visibility “Ladder” Type Striping (per location)	\$27,000
Brick Pavers (per location & 1 color design)	\$32,000
New Decorative “Flower” Art Paint (per new location)	\$34,000
Interlocking Pavers (per location & multi-color design)	+ \$35,000

Interlocking Pavers



San Diego Buff



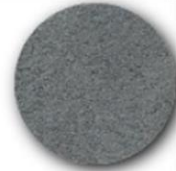
River Red



Red



Terra Cotta



Dark Blue



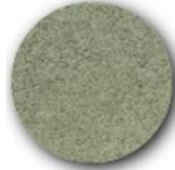
Pale Blue



Olive Green



Forest Green



Pale Green



Pale Lime



Yellow



Stanford Sand





New or Existing Location	Location	Asphalt Only	Ladder Striping	Brick Pavers	Decorative Flower	Interlocking Pavers
Existing	El Paseo (San Pablo Avenue to Larkspur Lane)	\$130,000	\$157,000	\$162,000	\$164,000	+ \$165,000
Existing	El Paseo (Larkspur Lane to San Luis Rey Avenue)	\$130,000	\$157,000	\$162,000	\$164,000	+ \$165,000
Existing	Larkspur Lane (El Paseo & Shadow Mountain Drive)	\$240,000	\$267,000	\$272,000	\$274,000	+\$275,000
New	El Paseo (Ocotillo Drive to Sage Lane)	\$470,000	\$497,000	\$502,000	\$504,000	+ \$505,000
New	El Paseo (Sage Lane to Lupine Lane)	\$470,000	\$497,000	\$502,000	\$504,000	+ \$505,000
Total:		\$1,440,000	\$1,575,000	\$1,600,000	\$1,610,000	+ \$1,615,000



Questions