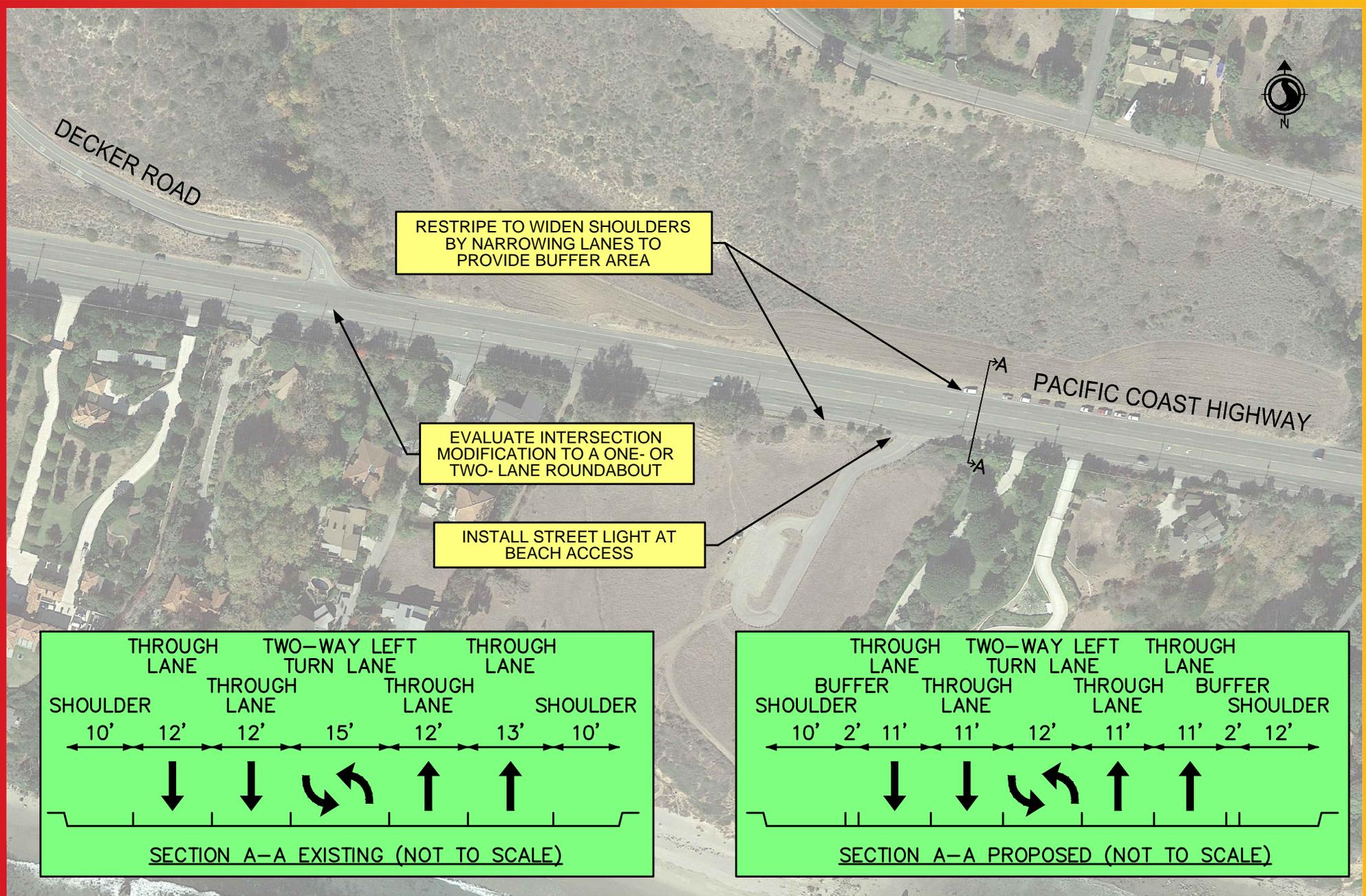


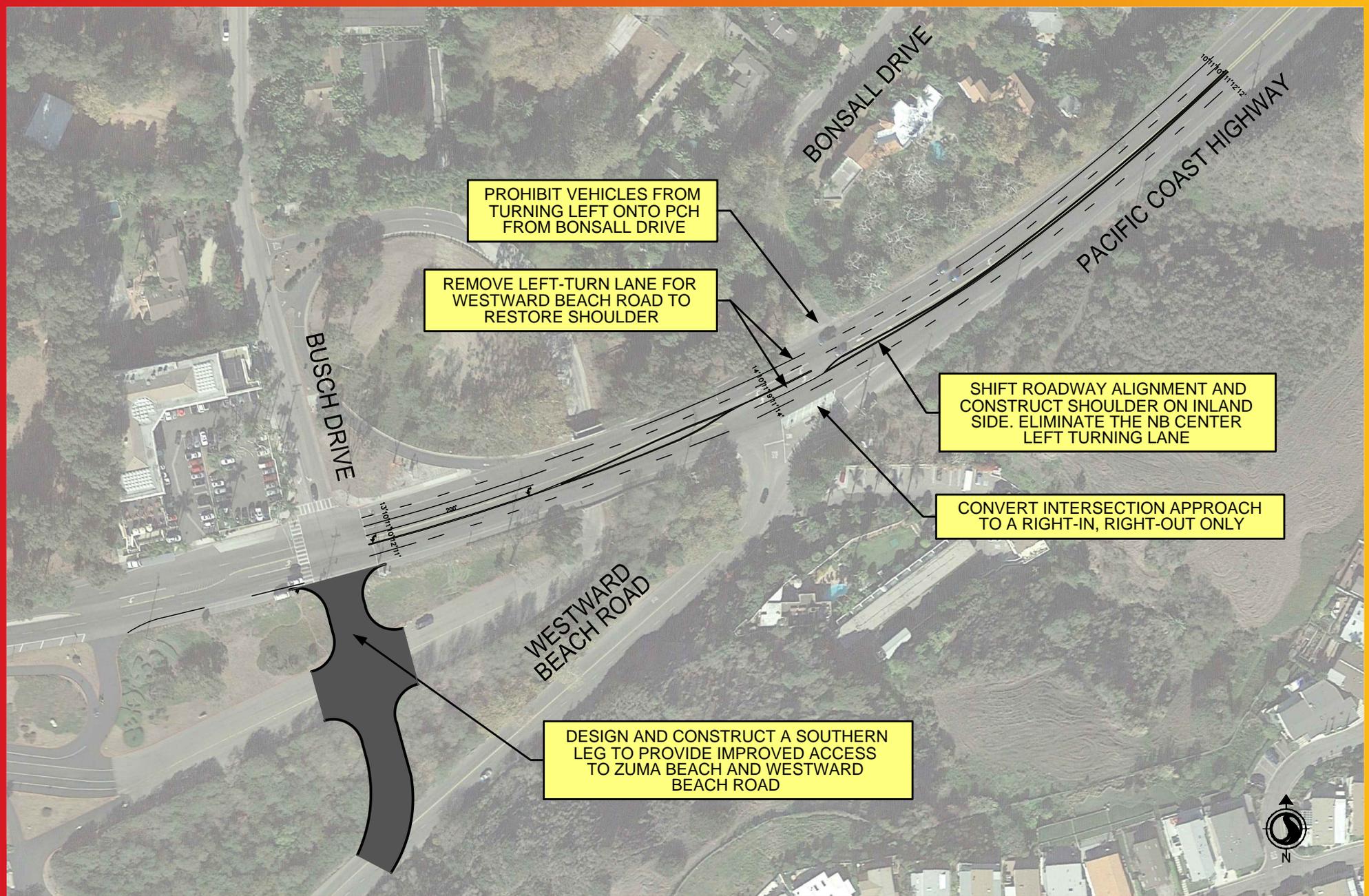
APPENDIX D

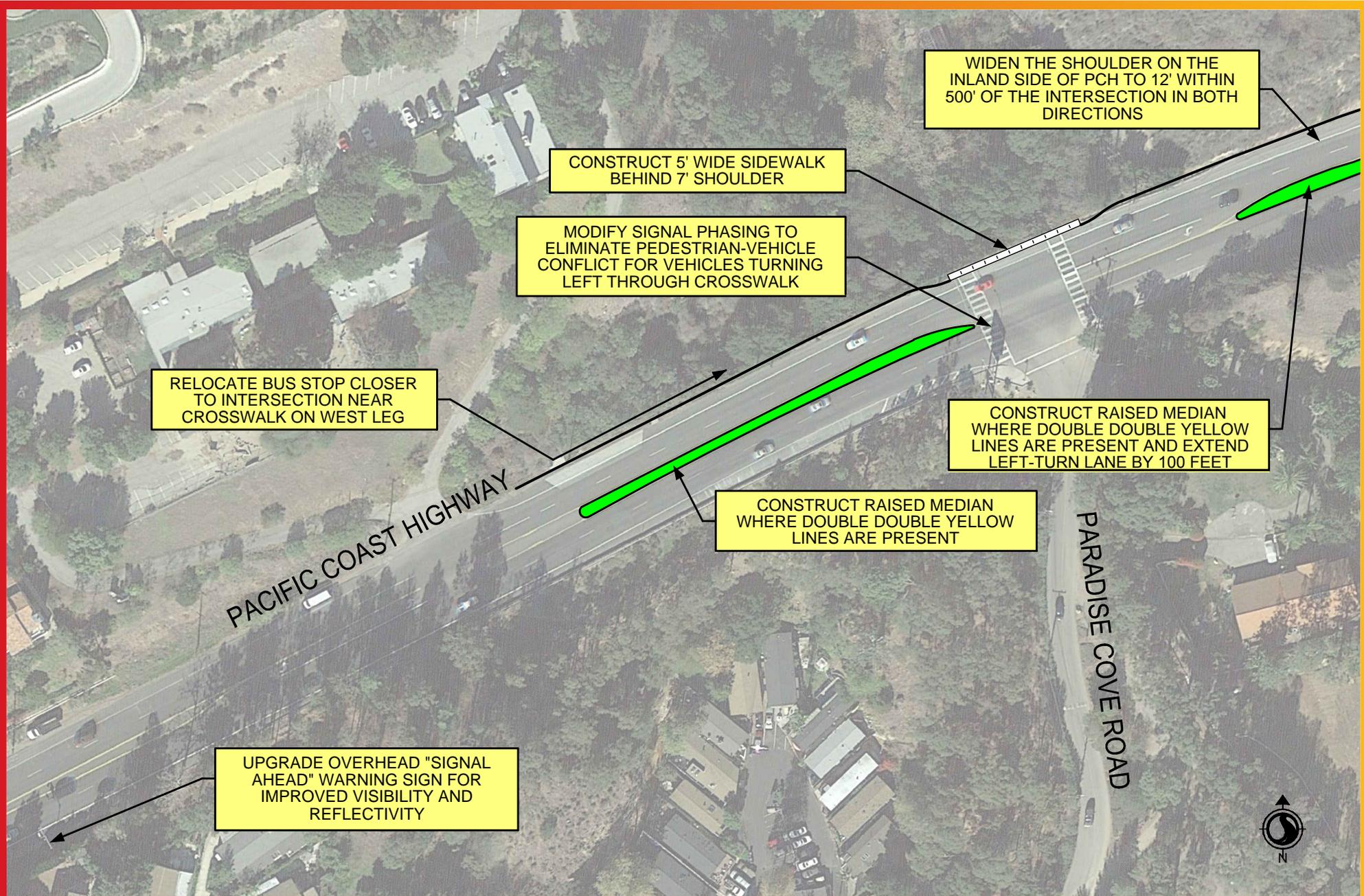
RECOMMENDED INTERSECTION- FOCUSED PROJECT FIGURES AND CORRIDORWIDE RECOMMENDED PROJECTS WITH AERIAL MAPPING



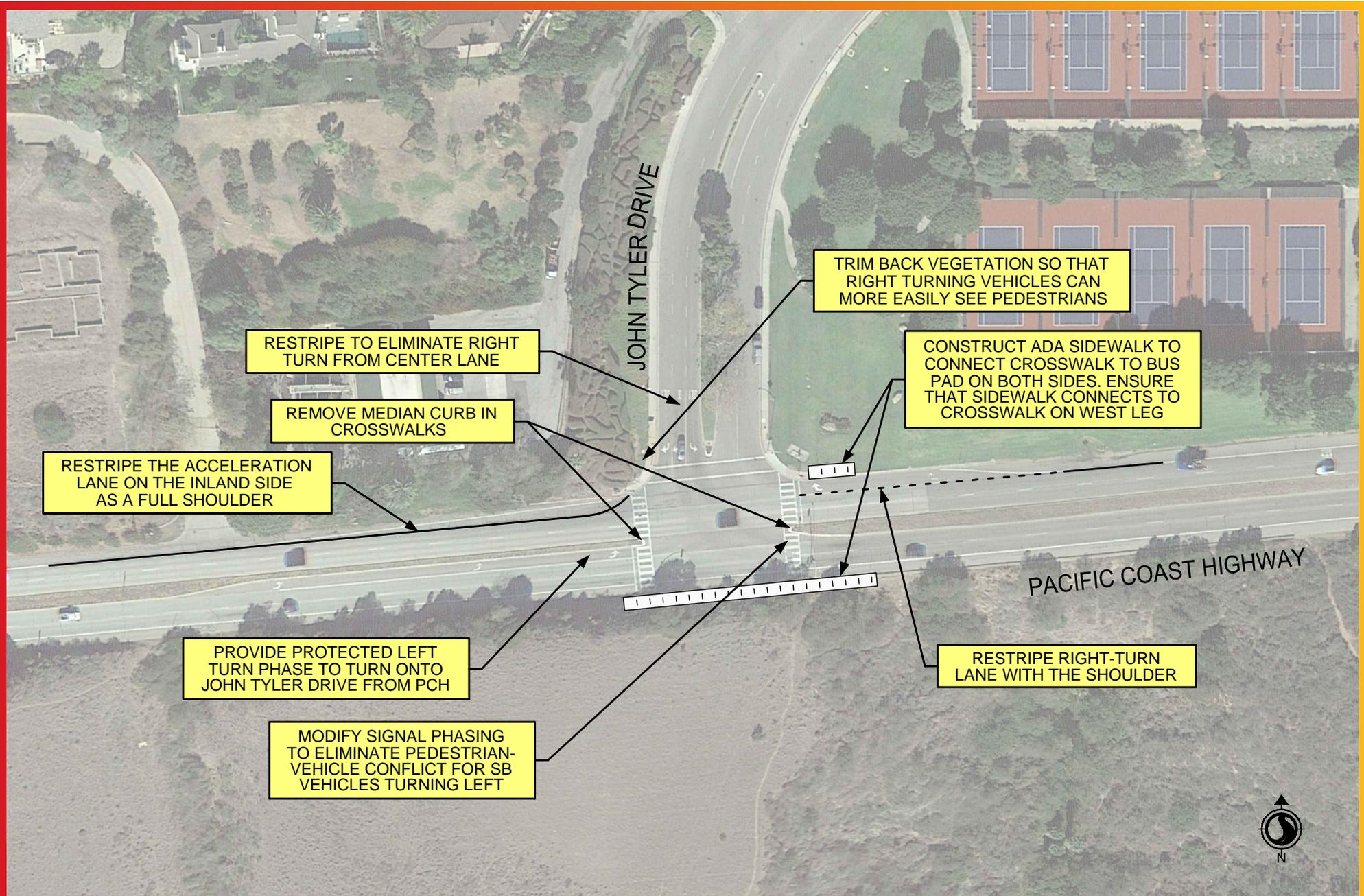


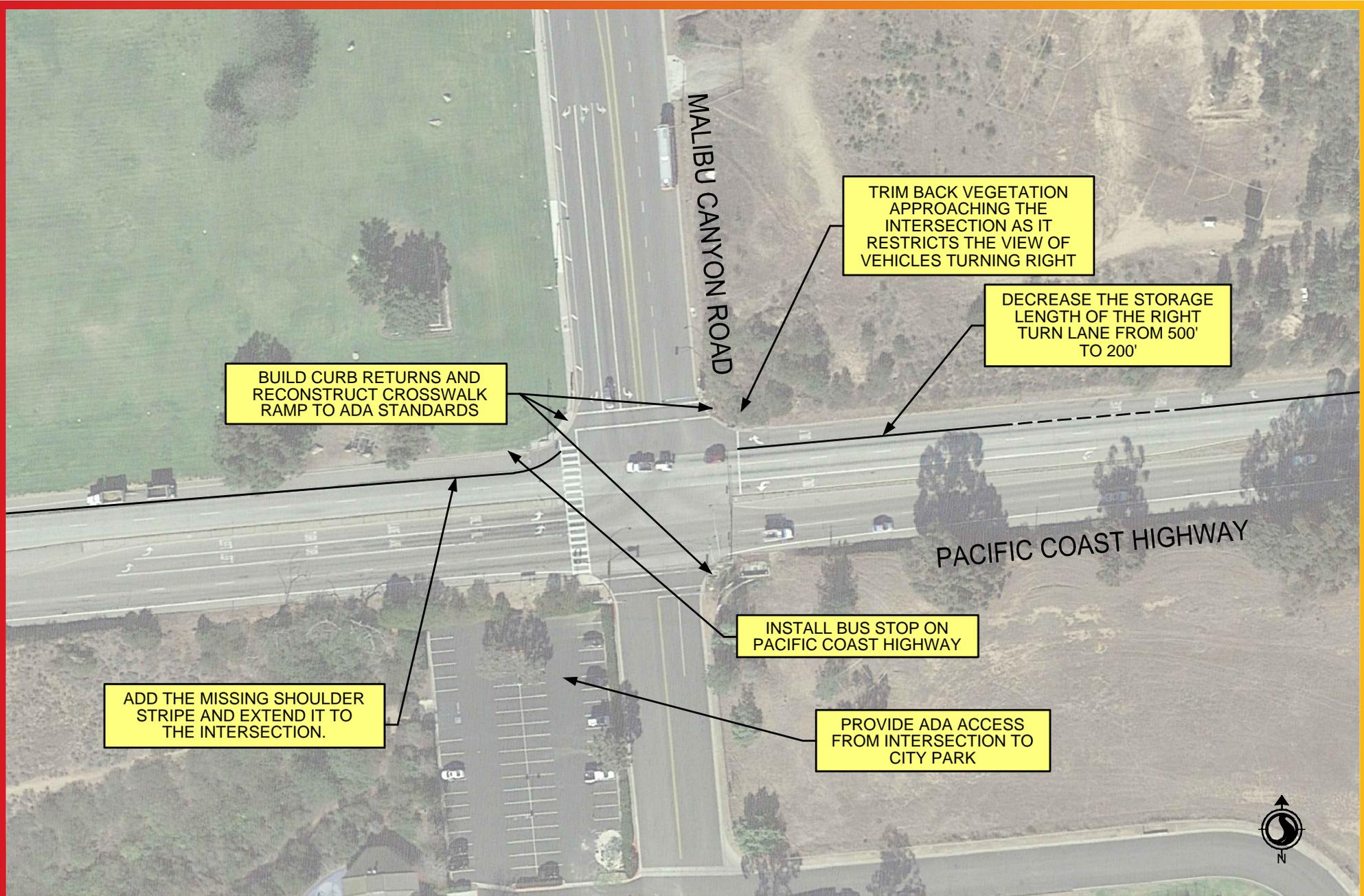


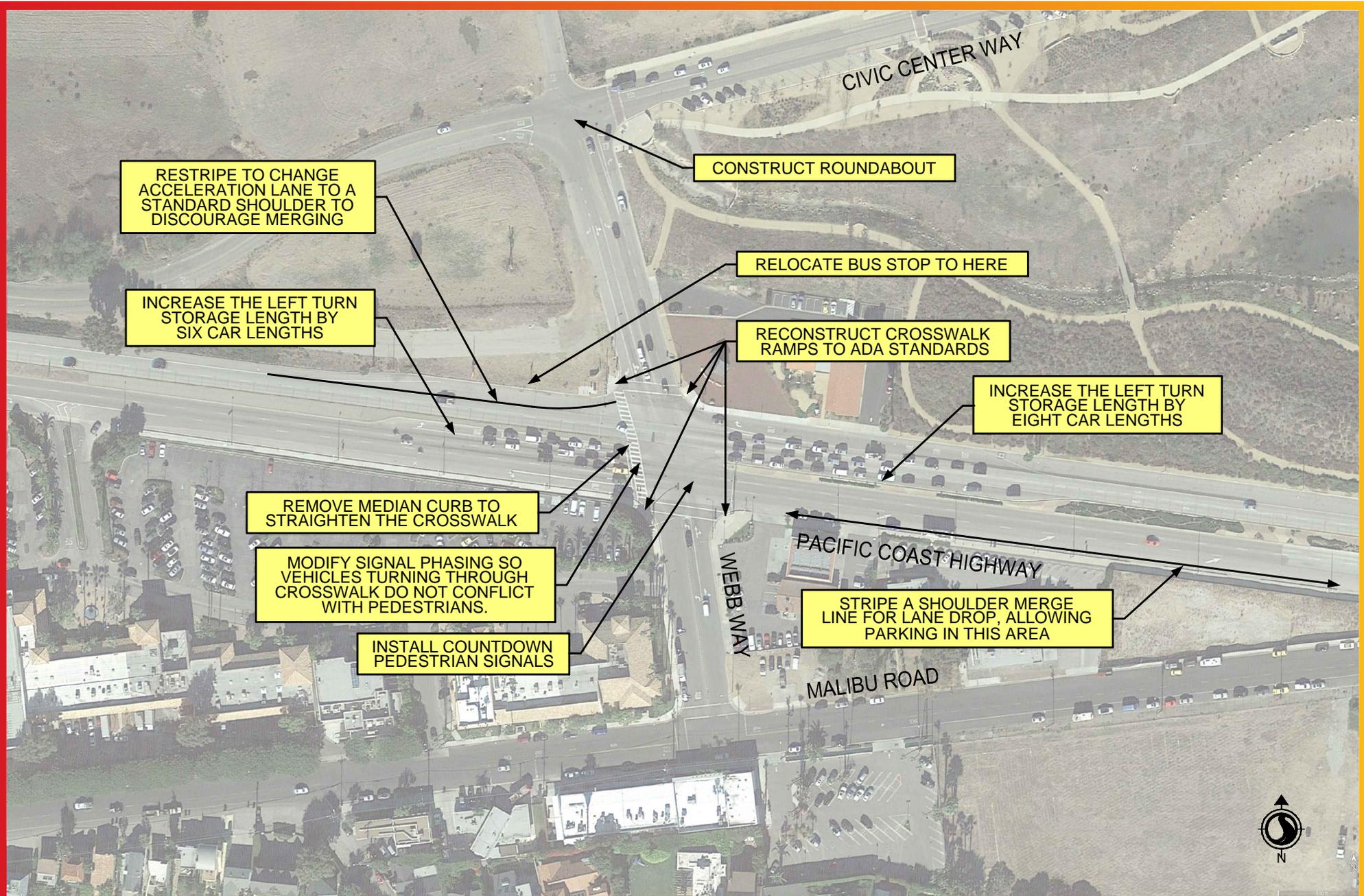


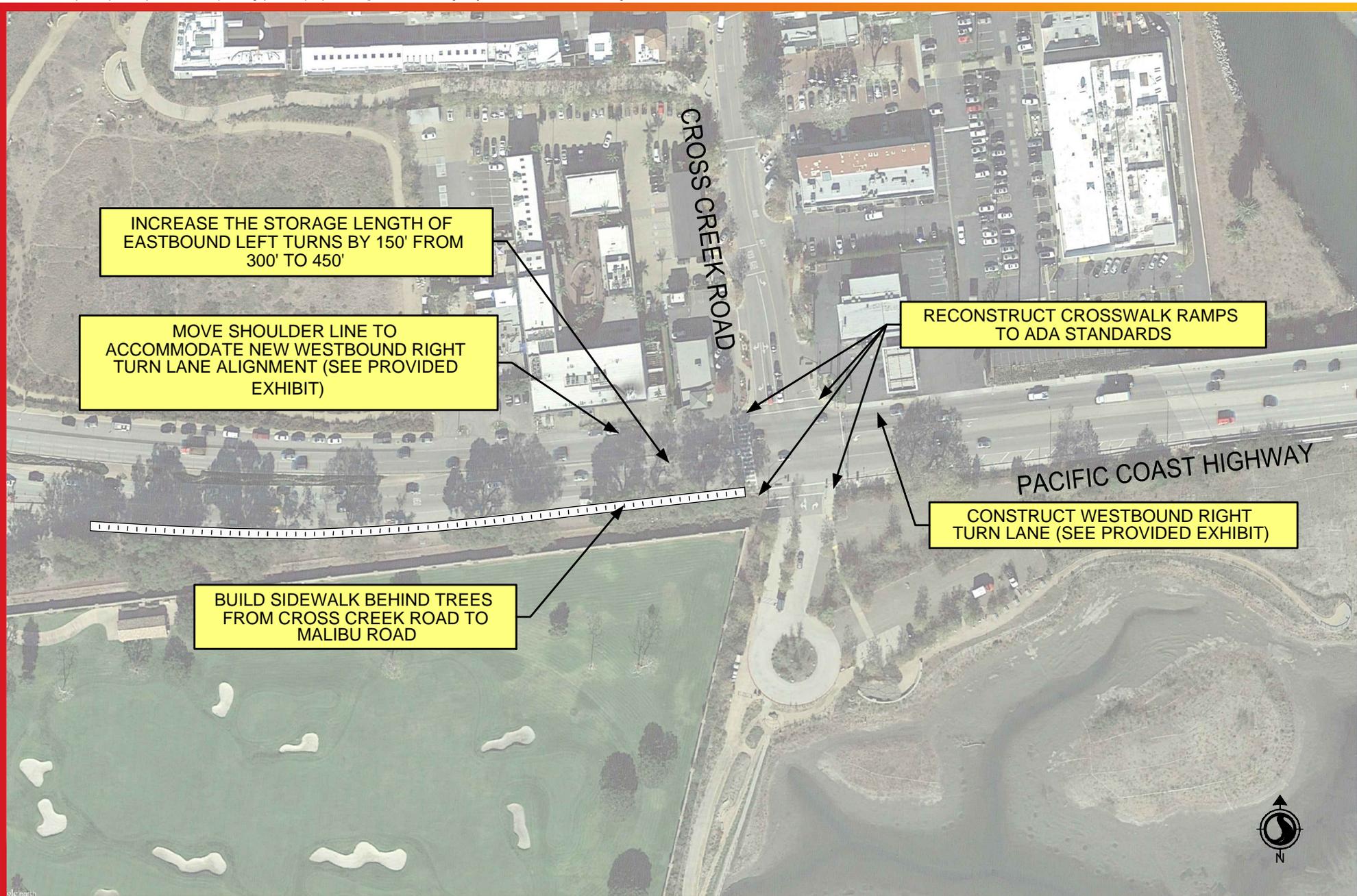


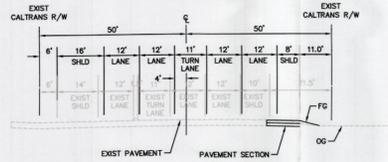
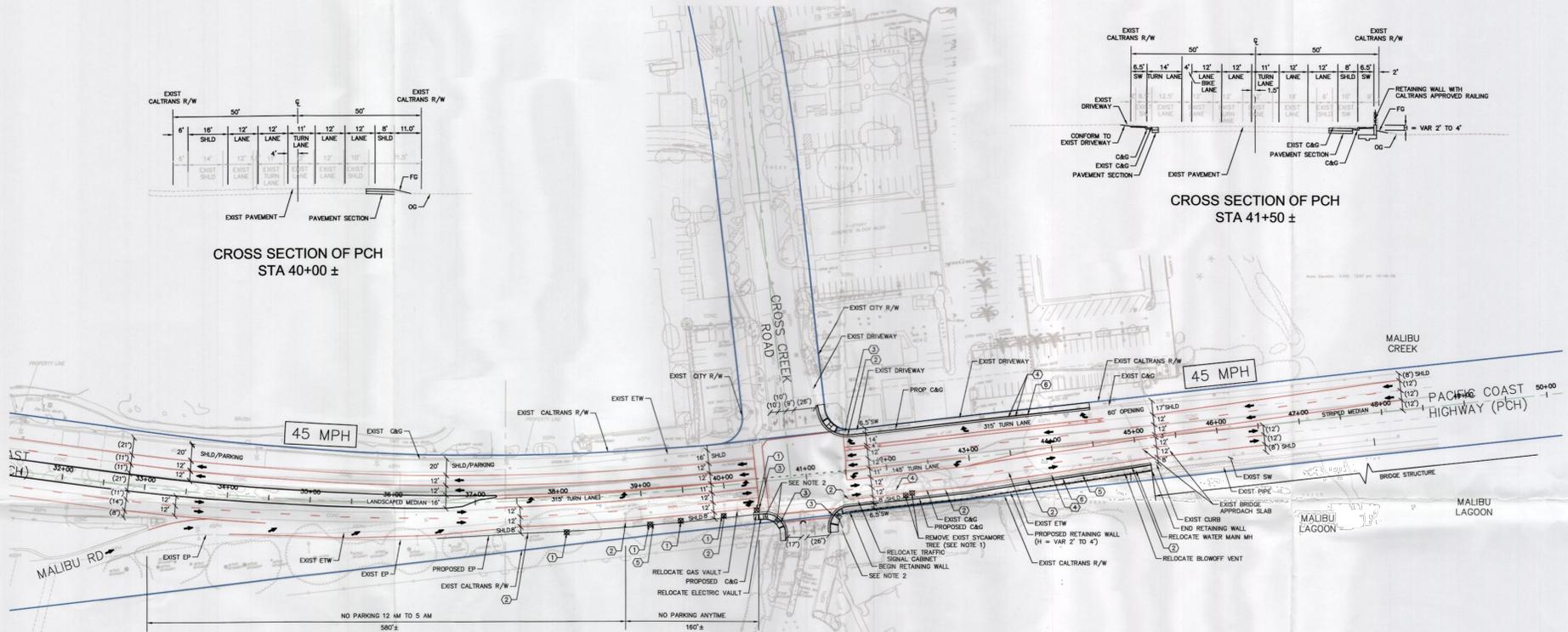




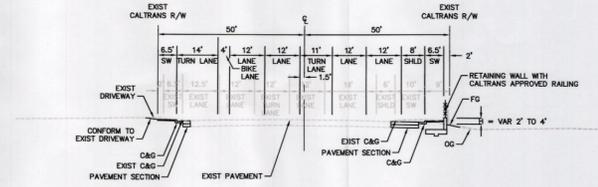








CROSS SECTION OF PCH
STA 40+00 ±



CROSS SECTION OF PCH
STA 41+50 ±

PRELIMINARY NOT FOR CONSTRUCTION

LEGEND:

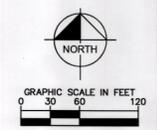
	CENTERLINE
	EXIST R/W
	PROPOSED STRIPING
	RETAINING WALL
	REMOVE TREE
	EXIST LANE/SHLD WIDTH (APPROXIMATE)
	* POSTED SPEED LIMIT
	PROPOSED WHEELCHAIR RAMP

ABBREVIATIONS:

C&G	CURB & GUTTER
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
ETW	EDGE OF TRAVELED WAY
EXIST	EXISTING
FG	FINISHED GRADE
HP	HINGE POINT
MH	MANHOLE
OC	ORIGINAL GROUND
R/W	RIGHT-OF-WAY
SHLD	SHOULDER
SW	SIDEWALK
VAR	VARIES

- NOTES:**
- APPROPRIATE MITIGATION MEASURES WILL BE PROVIDED PER THE CITY OF MALIBU.
 - CONSTRUCT/REPAIR AND REPLACE EXISTING WALL AND WHEELCHAIR RAMPS AS NECESSARY.
 - ADDITIONAL UTILITY RELOCATIONS ARE ANTICIPATED.

- CONSTRUCTION NOTES:**
- REMOVE EUCALYPTUS TREE
 - RELOCATE STREET LIGHT POLE
 - RELOCATE SIGNAL POLE
 - RELOCATE DRAINAGE INLET
 - RELOCATE FIRE HYDRANT
 - RELOCATE GENERAL TELEPHONE & ELECTRIC MH

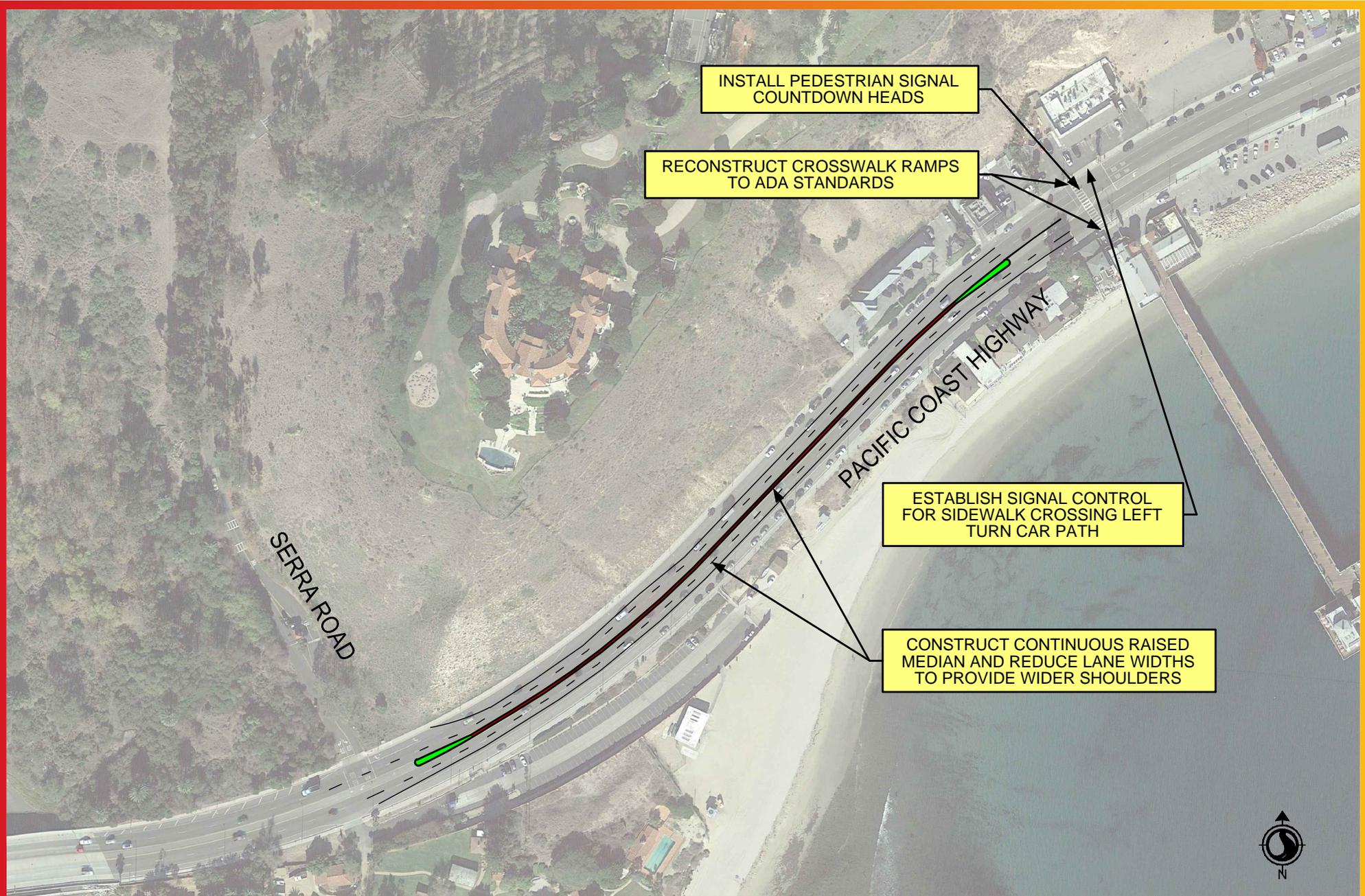


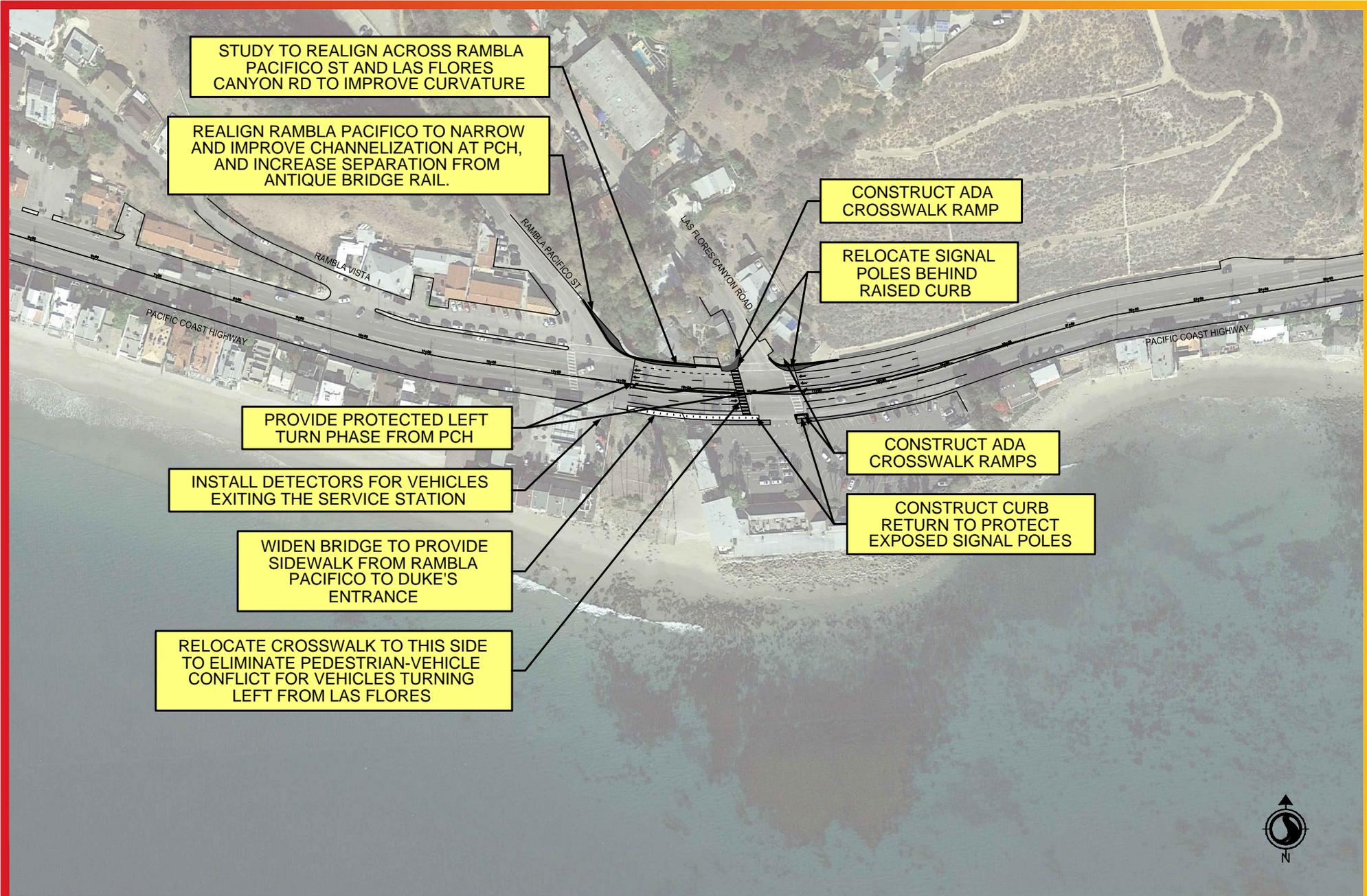
007 2 0 2014
PLANNING DEPT.

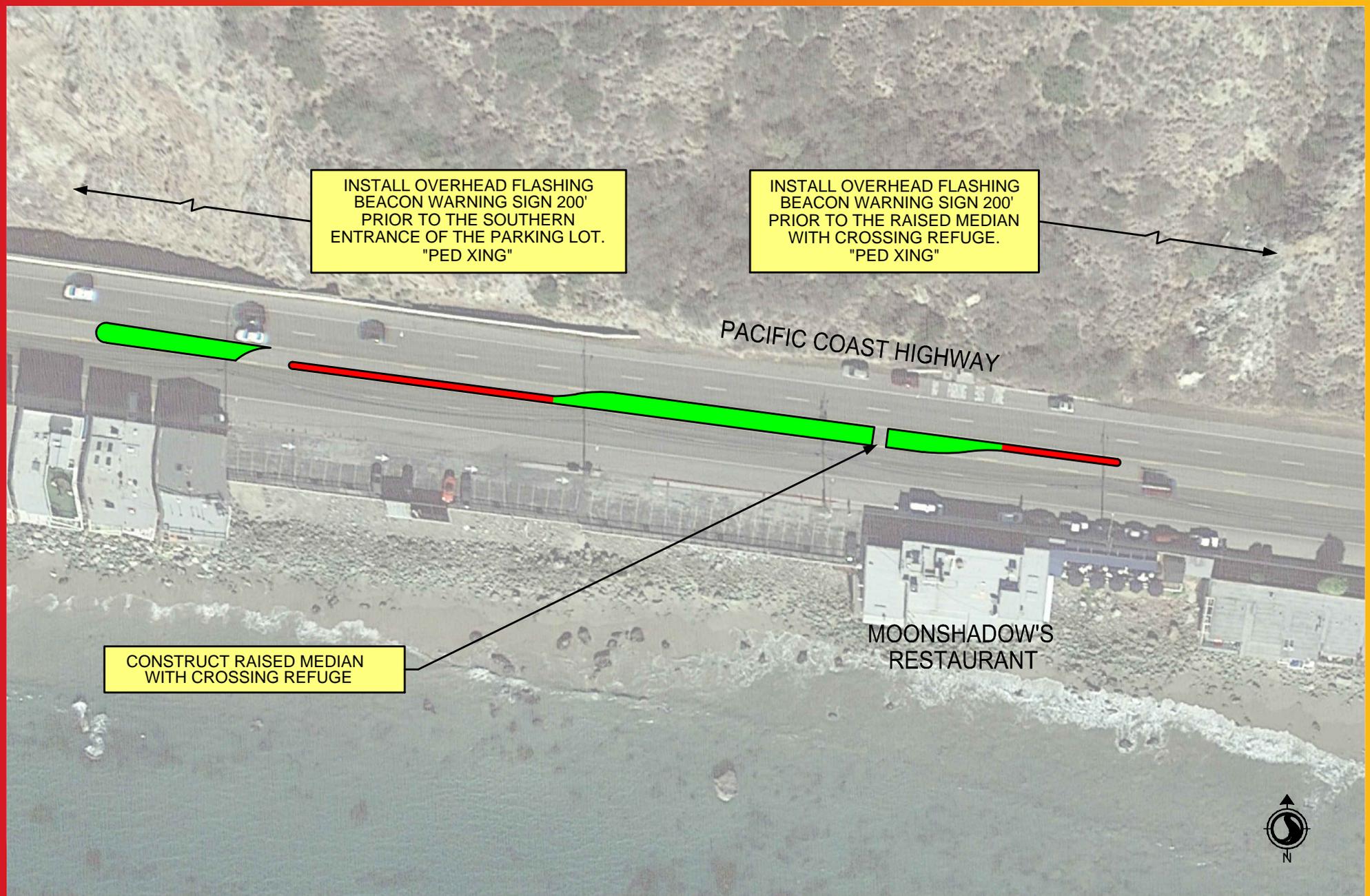
LA PAZ TRAFFIC MITIGATION
CONCEPT PLAN
CROSS CREEK ROAD
INTERSECTION LAYOUT

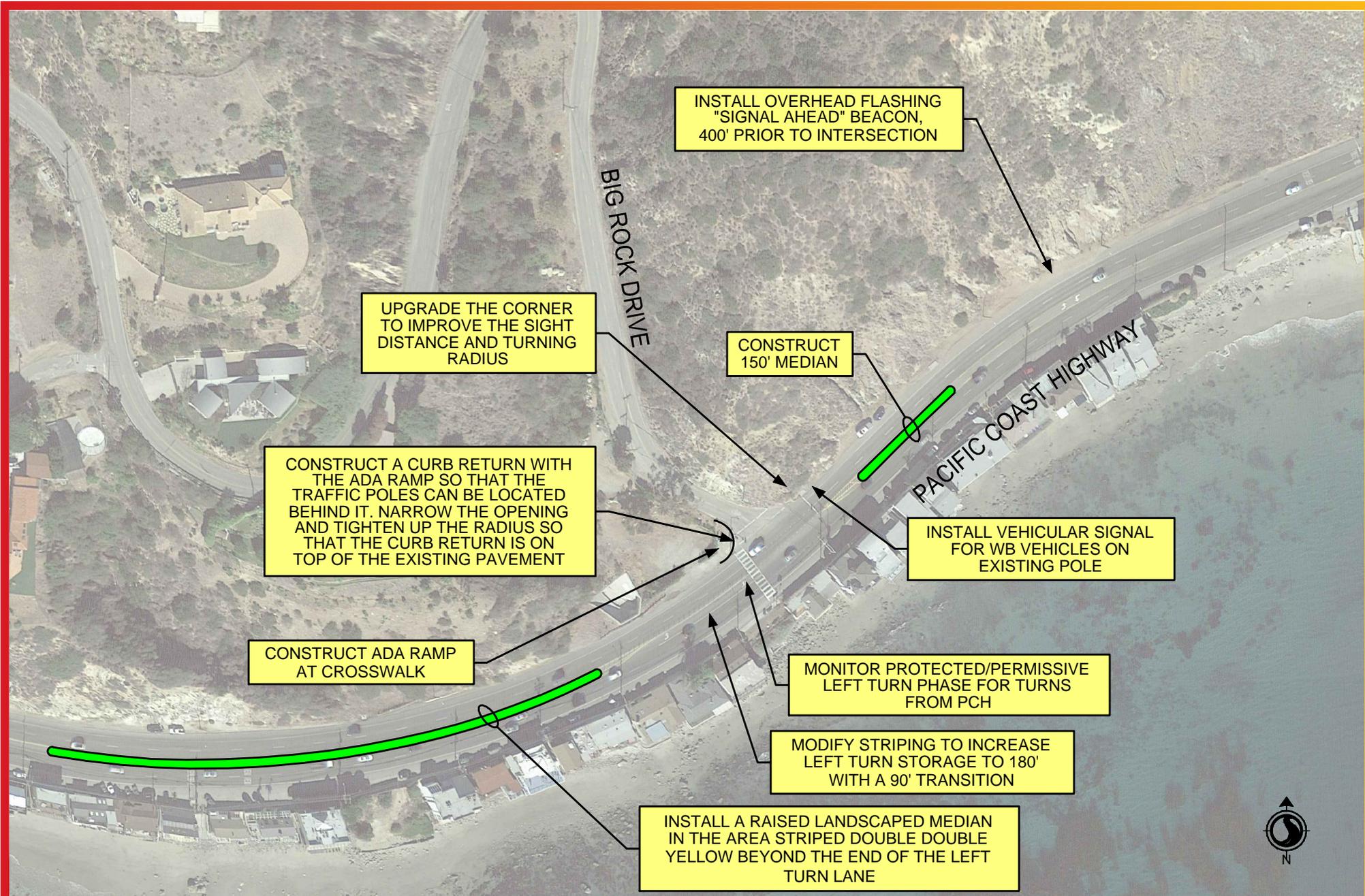
09/25/2014
UPDATED 10/16/2014













No improvements on this sheet

MALIBU CITY LIMITS

Pacific Coast Hwy

Pacific Coast Hwy

Bench Access Rd





No improvements on this sheet

Pacific Coast Hwy

Pacific Co



Evaluate intersection modification to a one- or two-lane roundabout, one-lane could possibly provide space for additional parking

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Decker Canyon Rd.

Provide street light at beach access

Consider restriping to widen shoulders surrounding El Pescador Beach Rd. by narrowing lanes to permit parking and provide buffer area



Install street light at intersection

Restripe WB RT lane as a full shoulder with dashed bike stipe approaching intersection

Consider realignment of Encinal Canyon Rd. to intersect with La Piedra Beach Rd., also consider roundabout control for the new aligned intersection

Consider restriping to widen shoulders surrounding La Piedra Beach Rd. by narrowing lanes to permit parking and provide buffer area



Provide street light at beach access road

Consider restriping to widen shoulders surrounding El Matador Beach Rd. by narrowing lanes to permit parking and provide buffer area

From Broad Beach Rd. North to Trancas Canyon Rd. - Consider extruded concrete median where median is less than 10 feet wide

Consider possibility to enlarge parking lot



From Broad Beach Rd. North to Trancas Canyon Rd., consider extruded concrete median where median is less than 10 feet wide



From Broad Beach Rd. North to Trancas Canyon Rd., consider extruded concrete median where median is less than 10 feet

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Lunita Rd.

Install street light at intersection



Modify signal phasing to allow left turns onto Trancas from PCH when crosswalk is active

Construct WB RT lane and bike channel onto Trancas Canyon Rd., consider installation of right turn arrow for heavy movement

Construct ADA compliant sidewalk and ramps on the inland side for the length of the shopping center and reconstruct central driveway to provide deceleration lane

Reconstruct driveway to provide appropriate deceleration area

Provide a sidewalk from shopping center and construct new pedestrian underpass crossing to beach

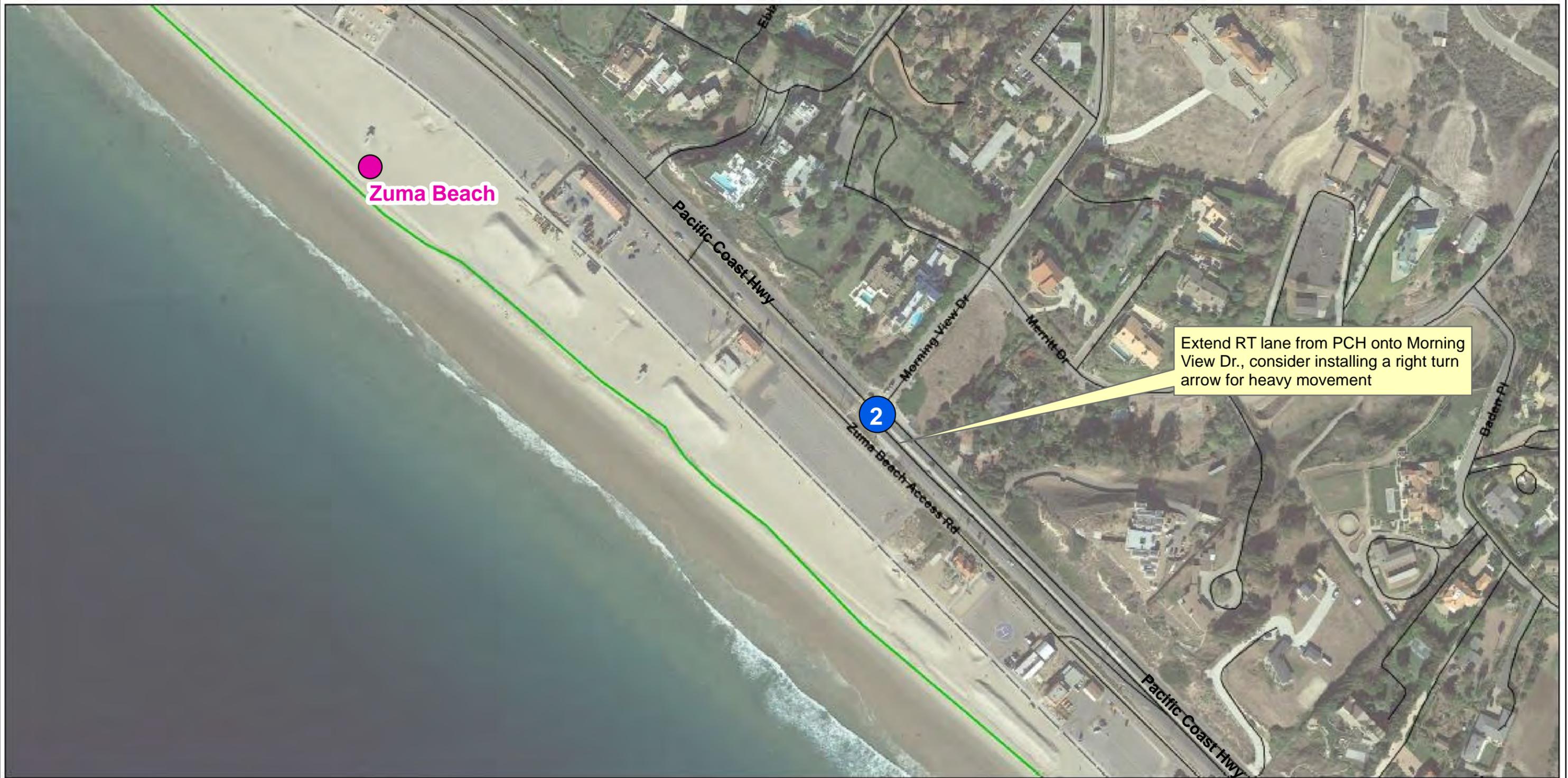
Provide street light at intersection

Zuma Beach



Construct raised medians in areas where double-yellow lines exist in the vicinity of Zuma Beach, especially where yellow posts are currently installed

Zuma Beach





If constructing fourth leg of Busch Dr. is not feasible, shift roadway alignment and construct shoulder on inland side from 610' east of Westward Beach Rd. to Zuma Beach access overpass by eliminating the center turning lanes

Convert Bonsall Dr. intersection approach to a right-in, right-out only. Restripe PCH to restore inland shoulder

Construct fourth leg of intersection to provide direct access to Zuma Beach and Westward Beach Rd. Permits elimination of existing WB LT lane from PCH to Westward Beach Rd. and allows restoration of shoulder on inland side of PCH near Bonsall Dr.



Upgrade overhead warning signs with improved visibility and reflectivity per Caltrans Standard Plan ES7K-L

Increase WB LT storage length from PCH onto Heathercliff Rd. by 100 feet

Relocate crosswalk to other side of intersection and rephase signal for pedestrian movements

Widen RT lane to allow dashed bike stripe



Modify signal phasing to allow more time for the LT onto Kanan Dume Rd.

5

Move existing bus stop to Kanan Dume Rd. intersection and provide sidewalk and ADA ramps

Restripe Zumirez signal to restore shoulder on inland side by narrowing travel lanes, removing the wide median nose stripe, maintain RT lane

Restripe deceleration and acceleration lanes at Pointe Malibu to full shoulders

6

From Kanan Dume Rd. to Latigo Canyon Rd, install permanent raised median in the double-yellow areas, and where enough width exists, consider landscaped medians



Widen the shoulder on the inland side of PCH to 12 feet within 500 feet of the intersection in both directions, construct 5 foot wide sidewalk

Relocate bus stop to Paradise Cove intersection

Upgrade overhead warning signs with improved visibility and reflectivity per Caltrans Standard Plan ES7K-L

Construct raised median where double double yellow line exists and extend left-turn lane by 100'

Modify signal phasing to eliminate pedestrian-vehicle conflict for NB vehicles turning left onto PCH

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Paradise Cove Rd.

Paradise Cove Beach Cafe





Construct a permanent raised median in the double-yellow area before and after Geoffrey's for approximately 1800 feet

Install street light at intersection on inland side

Install pedestrian crossing sign and flashers

Trim back vegetation on inland side as it encroaches the shoulder

Increase WB LT storage length from PCH onto Malibu Cove Colony Dr. by 100 feet

Geoffrey's Restaurant



Provide street light at intersection

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Latigo Canyon Dr.



Willmott Ln

Trim back or remove vegetation on inland side as it encroaches shoulder

Construct appropriate end treatment to concrete barrier on inland side

From Corral Canyon Rd. to Puerco Canyon Rd., widen shoulder on inland side where parking occupies the entire shoulder, reconstruct median to provide full height curb. Opportunity to narrow median and increase shoulder width is possible

8

Corral Canyon Rd

Construct complete pedestrian walkway on ocean side from Corral Canyon signal to beach property

Seagull Way

Provide street light at Latigo Shores Dr./Seagull Way

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Latigo Shores Dr.







Restripe to eliminate RT from center lane

Restripe the acceleration lane on the inland side as full shoulder

Trim back vegetation on inland side so that right turning vehicles can more easily see pedestrians

Provide protected LT phase to turn onto John Tyler from PCH

Remove median curb obstruction in crosswalk on both sides

Eliminate conflict with turning vehicles through crosswalk

Construct ADA sidewalk to connect west side crosswalk to bus pad on both sides of PCH

Widen RT lane to allow dashed bike stripe

On inland side just west of intersection, add and extend shoulder stripe to be 12' wide to Malibu Canyon

Install bus stop on PCH

Reconstruct crosswalk ramps to ADA standards at westbound inland corner, trim back vegetation as it restricts vehicles' view turning right

Widen shoulder to provide striping for dashed bike lane and RT lane from PCH onto Winter Mesa Dr.

Provide ADA access from intersection to city park

Shorten RT lane approaching intersection based upon queueing needs, will allow shoulder and bike lane to extend to within 200 feet of intersection

10



Convert free RT and merge lane from Civic Center Way approx. 1700 feet west of Webb Way into a yield to turn condition. Restripe shoulder to discourage motorists from merging into WB traffic

Vis Pacifica

Coast View Dr
de Ville Way

Modify signal phasing to allow protected pedestrian phase

Relocate bus stop nearer to traffic signal

Remove median curb to straighten crosswalk, reconstruct crosswalk ramps to ADA standards

Restripe to change acceleration lane to a standard shoulder to discourage merging

Consider single-lane roundabout at intersection

Stuart Ranch Rd
Webb Way

Increase WB LT storage length from PCH onto Webb Way by eight cars

Pacific Coast Hwy
PCH

11

Increase EB LT storage length from PCH onto Webb Way by six cars

Install countdown pedestrian signals

Evaluate existing shopping center's access onto PCH

Stripe a shoulder merge line for lane drop, allow parking in this area

Mer Mesa Dr

Malibu

Malibu Colony Dr

Modify signal phasing so vehicles turning through crosswalk do not conflict with pedestrians



Realign Malibu Rd. intersection to eliminate acute angle and merging, provide right angle intersection

Reconstruct crosswalk ramps to ADA standards

Increase the storage length of EB LT lane from PCH onto Cross Creek by 150 feet

Move shoulder line to accommodate new WB RT lane alignment

Restripe intersection to provide WB RT lane and move shoulder line over west of the intersection

Construct sidewalk behind tree line on ocean side from Malibu Rd. to Cross Creek Rd.

Narrow travel lanes and center lane slightly through central Malibu from Serra Rd. to Carbon Canyon Rd. to provide wider shoulders



Construct continuous raised median and reduce median width to provide wider shoulders

Increase width of ADA ramps on both sides as they are quite narrow, this may result in moving the crosswalk to the east 1 to 2 feet

13

Reconstruct crosswalk ramps to ADA standards, install pedestrian signal countdown heads, establish signal control for EB left-turns, consider relocating bus stop on ocean side to Pier signal

Establish signal control for EB left turn

14

Narrow travel lanes and center lane slightly through central Malibu to provide wider shoulders



Relocate obstructing signal controller to improved location

Change the uncontrolled crosswalk with warning lights to a HAWK pedestrian signal with median refuge and potential curb extensions

Replace EB overhead "left-turn/u-turn" sign to a "u-turn only" sign



Consider an installation of a crosswalk and appropriate warning or crossing treatment at this location

Replace short RT lane on inland side with dashed striped shoulder

Study feasibility to build a complete sidewalk from Carbon Canyon to Rambla Pacifico on the inland side. Many segments exist and others can be built without interfering too much with private development



Widen bridge over Las Flores Creek to provide sidewalk from Rambla Pacifico intersection to Duke's entrance, maintain sufficient shoulder for bicycling, but utilize surplus area to move signal poles behind curb, consider narrowing openings for Las Flores and Rambla Pacifico approaches

Provide ADA compliant improvements where feasible, including wheelchair ramps and raised curb returns

Realign Rambla Pacifico to narrow and improve channelization at PCH and increase separation from bridge rail, allow for increase in LT lane storage

Provide protected LT phase from PCH onto Rambla Pacifico

Study feasibility of narrowing the striping in the vicinity of La Costa beach club to widen the shoulders, consider raised median area with refuge for the crosswalk in conjunction with potential signalization of the La Costa crosswalk that is planned by the City of Malibu

Study feasibility of narrowing shoulder in front of Rambla Pacifico shopping center to increase area for parking along frontage road, include in the upcoming parking study

Consider a signal detector to turn signal red for NB Rambla Pacifico

Study to realign across intersections to eliminate broken back striping due to change in median and shoulder widths

Relocate crosswalk to eliminate pedestrian-vehicle conflict for Las Flores vehicles turning left onto PCH, reconstruct signal to eliminate condition where signal poles are not exposed to traffic on roadway shoulder, relocated signal detection so that vehicles are less likely to run red lights, provide protected left turn arrows from PCH





Install overhead warning signs 200 feet on each side prior to parking area and building with pedestrian crossing signs, consider experimental action-style pedestrian signs via Federal request to experiment

Construct a median in front of Moonshadow's. Provide LT lane at north end of parking area for entry to restaurant. Construct raised median refuge cut out in front of front door so that pedestrians can wait in median.



On the western inland corner, construct a curb return with ADA ramp so that the traffic poles can be located behind it, narrow the opening and tighten up the radius so that the curb return is on the existing pavement

On the eastern inland corner, upgrade the corner to improve the sight distance and turning radius

Install end treatment on exposed barrier on inland side of PCH

Construct raised median east of the intersection for 150 feet

Between Big Rock Dr. and Pena Rd., restripe to narrow median where k-rail occupies shoulder in this area

Install additional overhead warning sign per Caltrans Standard Plan ES7J WB at approximately 400' prior to intersection, sign should read "Signal Ahead"

Monitor protected/permissive left turn phase from PCH for effectiveness

Increase length of EB LT lane on PCH to 200 feet with a 90' transition by striping change

Construct a raised median in area where double-double yellow line exists at the end of the LT lane, provide landscaping pockets to obtain limited traffic calming effect from plantings



Trim back vegetation from shoulder on inland side of PCH

Install end treatment on exposed barrier on inland side of PCH

Construct raised median for PCH with turn pocket into the north end of the turnout area. Median will prevent left turns into or from south end of the turnout area, so that traffic must turn right and make u-turns around the median area. Study area closely in upcoming parking study to maximize parking yield.



Remove vegetation on inland side of PCH for improved sight distance for vehicles exiting Tuna Canyon Rd.

Lengthen EB LT storage bay to reduce potential overflow into through lane. Lengthen time available to service lane during weekend.

Upgrade signal system and conduct study to develop weekend and late afternoon timing plan that optimizes EB flow along PCH based upon summer and weekend traffic counts.