

Mace Boulevard Corridor CIP #8257

(Primary Design Revisions)



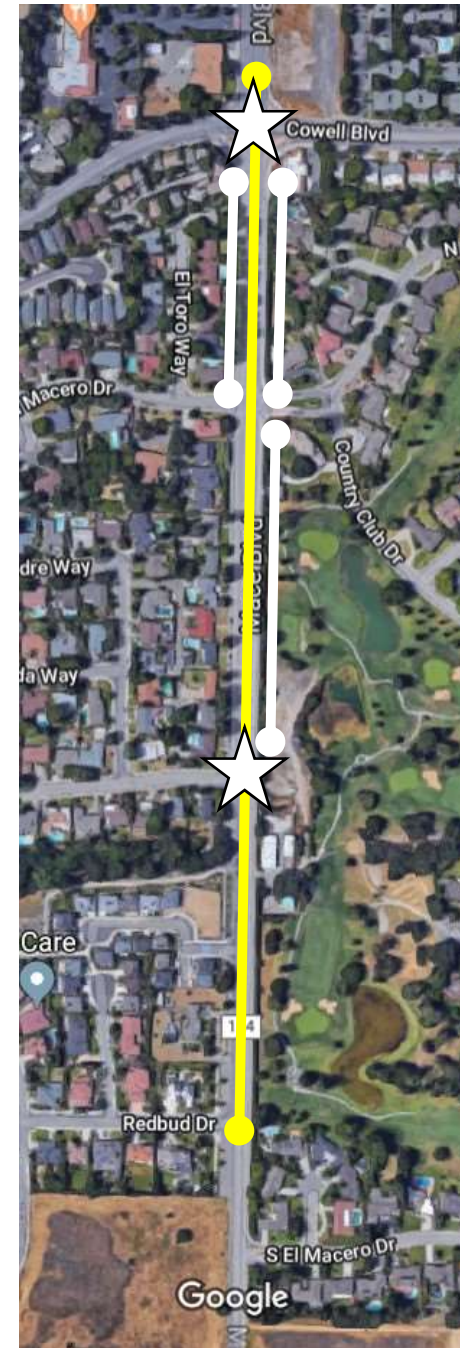
What we Heard...

- Congestion and frustration due to reduction from four travel lanes to two.
- Mace/Cowell intersection bulb-outs and pedestrian/bike area is too large.
- Crosswalks too wide and set back, impacts line of sight.
- Protected bike lane eliminates second travel lane, confines bikes, and is too wide.
- Difficulty exiting San Marino onto Mace due to congestion.
- Traffic lane width feels tight.

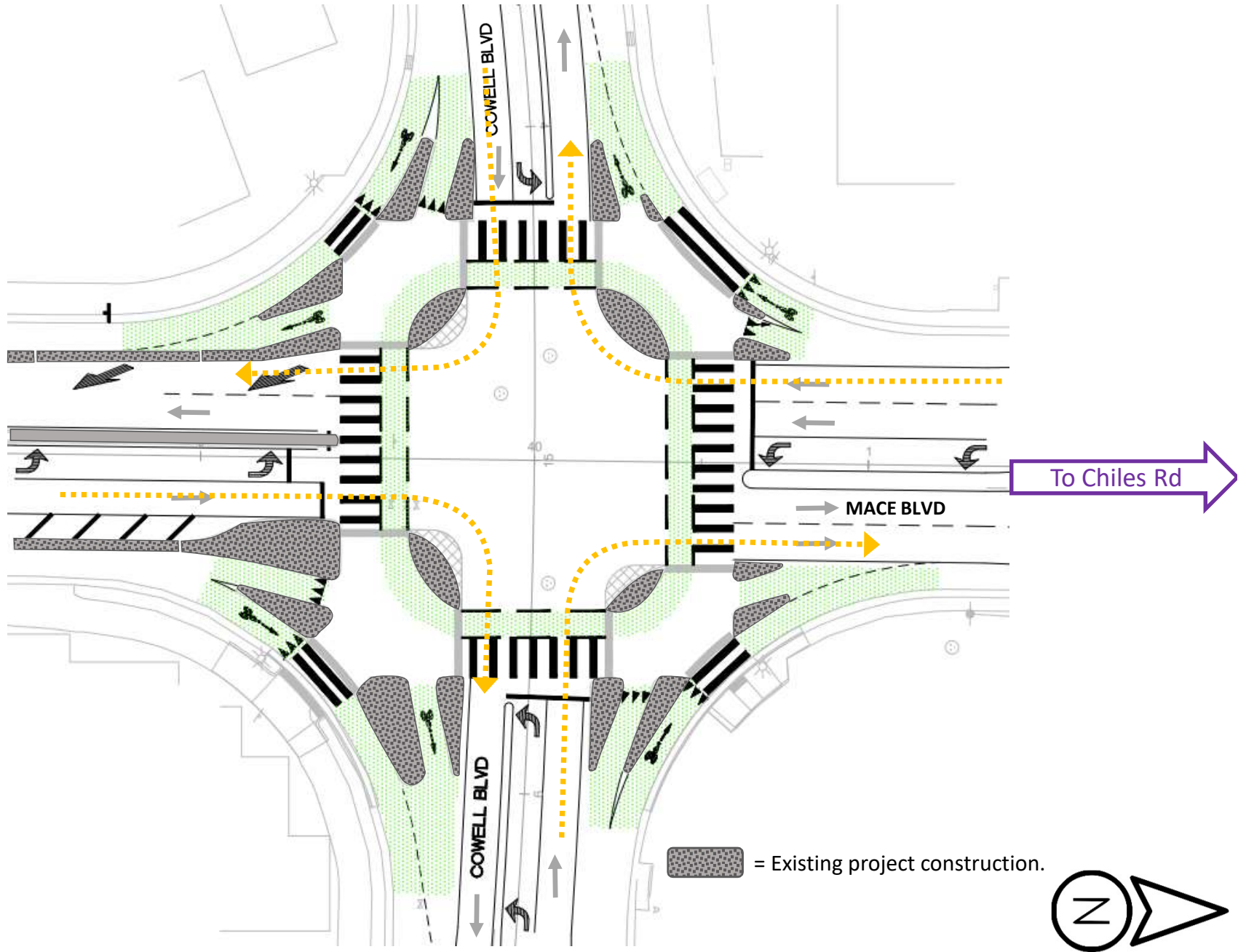


Solution Options

- Mace & Cowell: Consider several design options.
- El Macero to Cowell: Restore to four lanes, remove protected bike lanes, restore bike lane(s) and/or construct multi-use path.
- San Marino to El Macero: Restore NB to two lanes.
- San Marino Drive: Convert to stop-controlled intersection, design revisions. Put HAWK signal in flashing red.



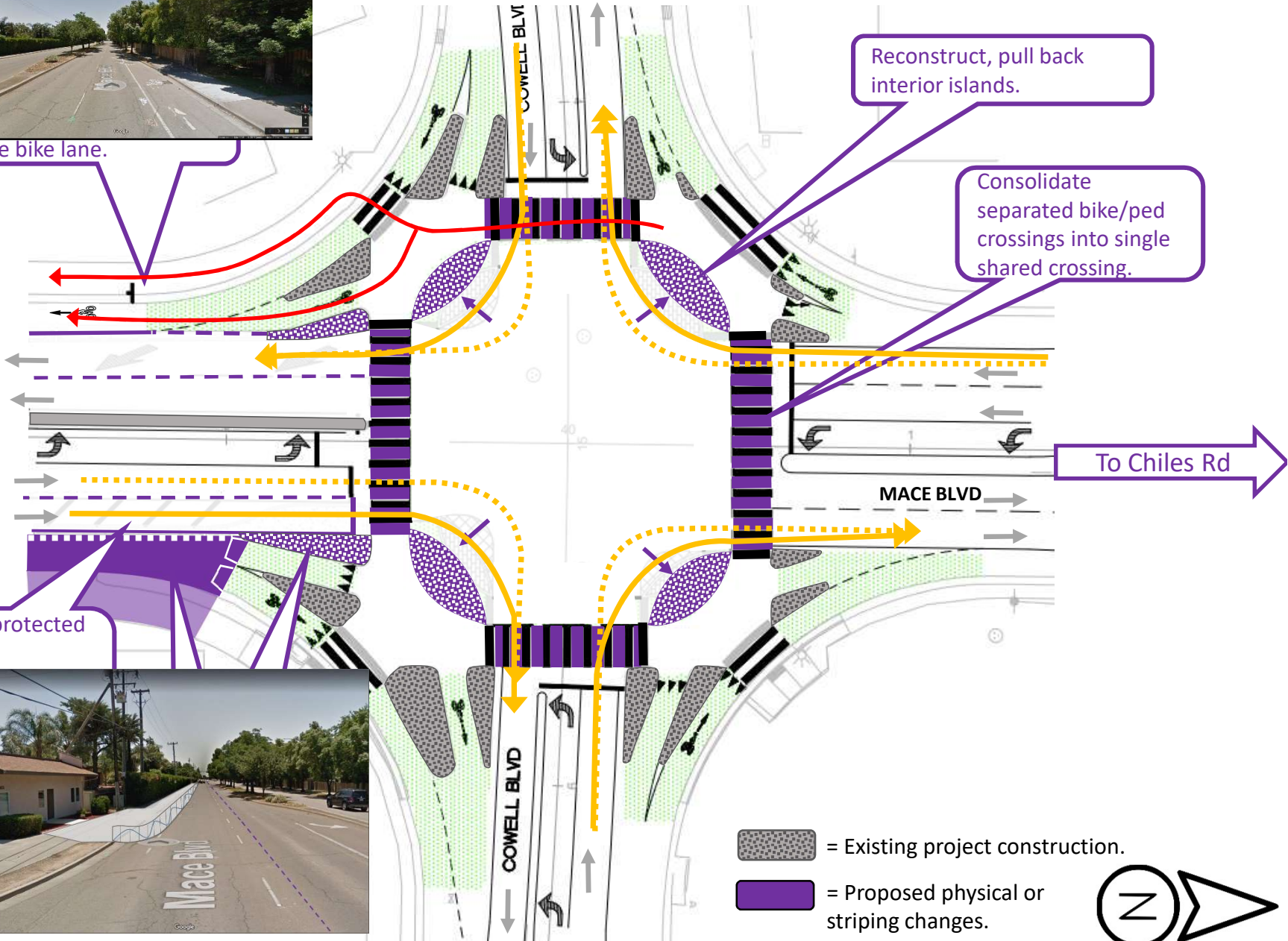
ID #1, Mace Blvd. / Cowell Blvd. Intersection (Existing)



ID #1, Alternative 1: Restore to Four Lanes (Recommended)



• Restore bike lane.



Reconstruct, pull back interior islands.

Consolidate separated bike/ped crossings into single shared crossing.

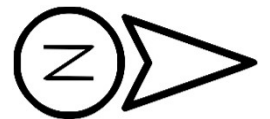
To Chiles Rd

MACE BLVD

COWELL BLVD

[Stippled pattern] = Existing project construction.

[Purple box] = Proposed physical or striping changes.



• Remove protected bike lane.

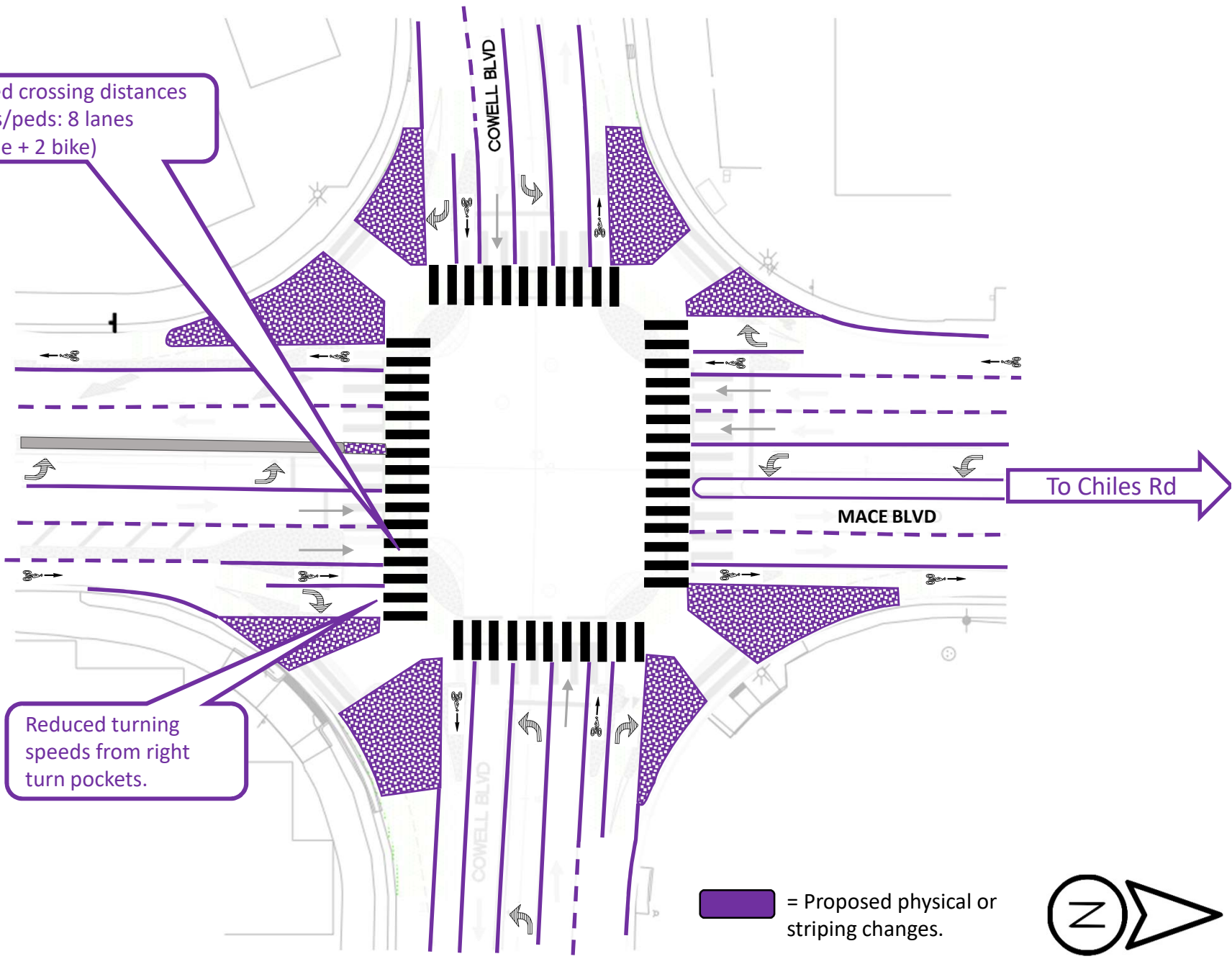



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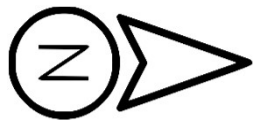
ID #1, Alternative 2: Four Lanes with Right Turn Pockets

Increased crossing distances for bikes/peds: 8 lanes (6 vehicle + 2 bike)

Reduced turning speeds from right turn pockets.



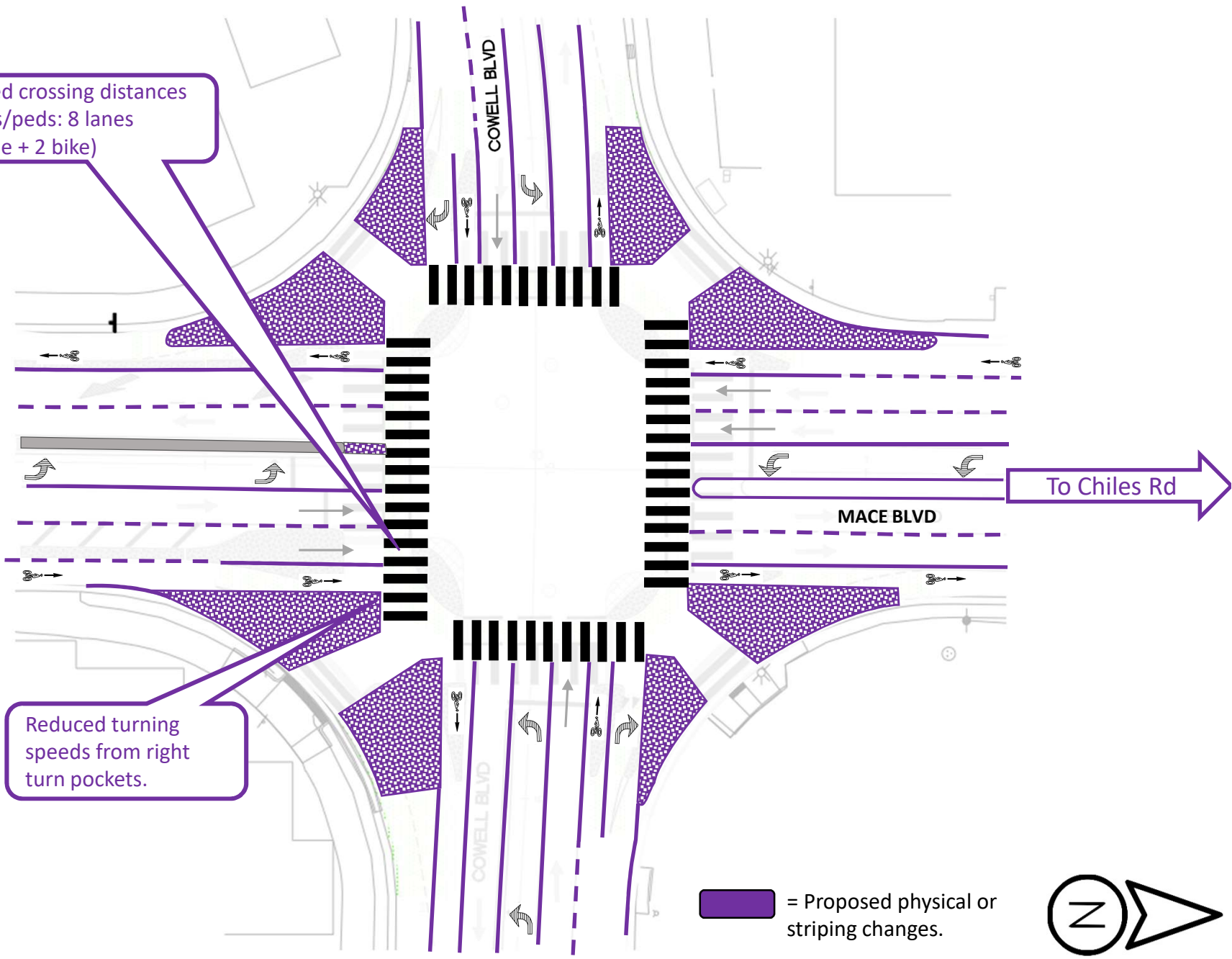
 = Proposed physical or striping changes.




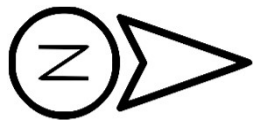
ID #1, Alternative 2: Four Lanes with Combined Bike/Turn Lane

Increased crossing distances for bikes/peds: 8 lanes (6 vehicle + 2 bike)

Reduced turning speeds from right turn pockets.

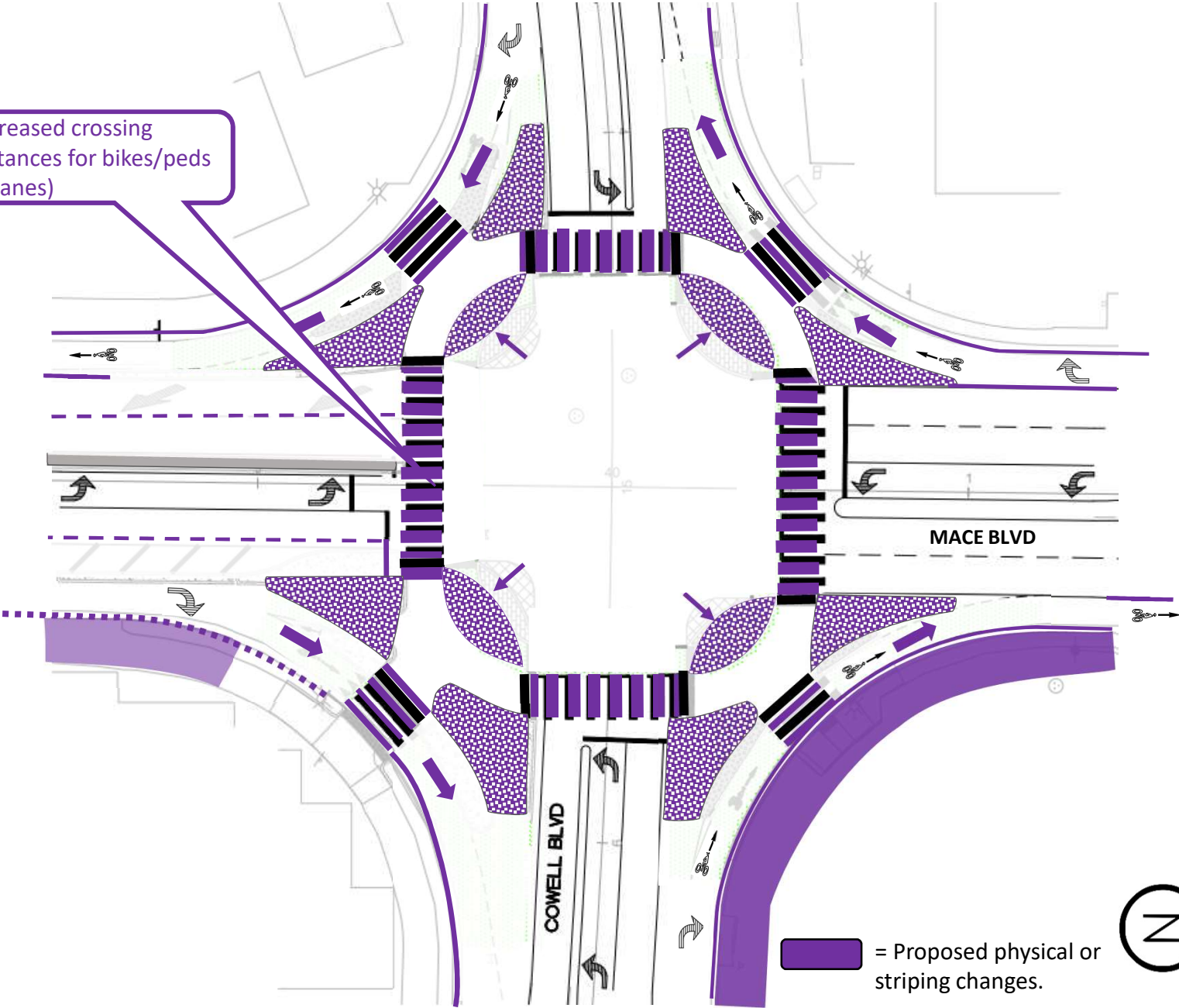


 = Proposed physical or striping changes.



ID #1, Alternative 3: Four Lanes with Channelized Right Turns

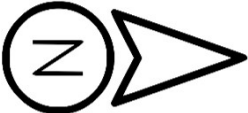
Increased crossing distances for bikes/peds (5 lanes)



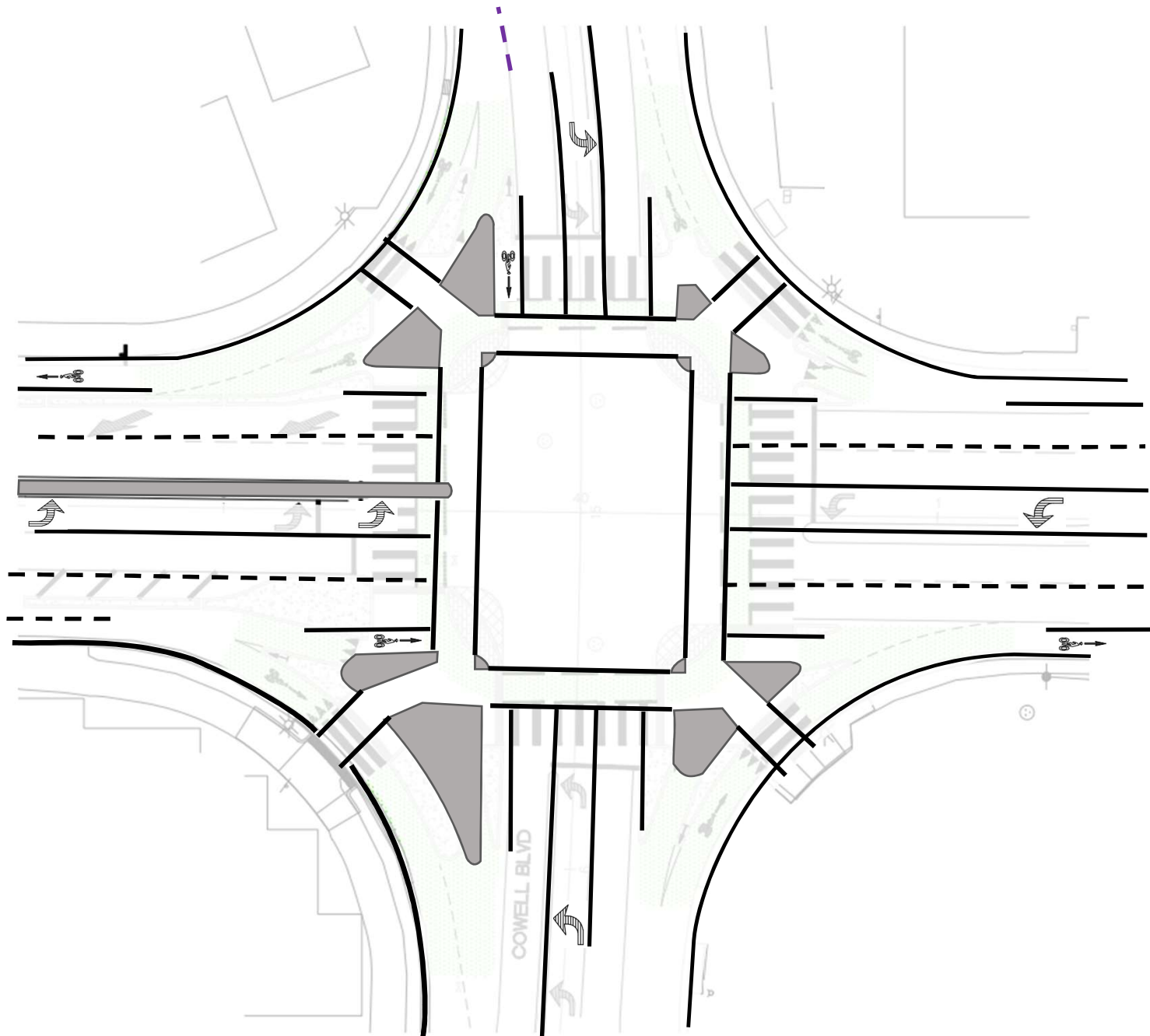
MACE BLVD

COWELL BLVD

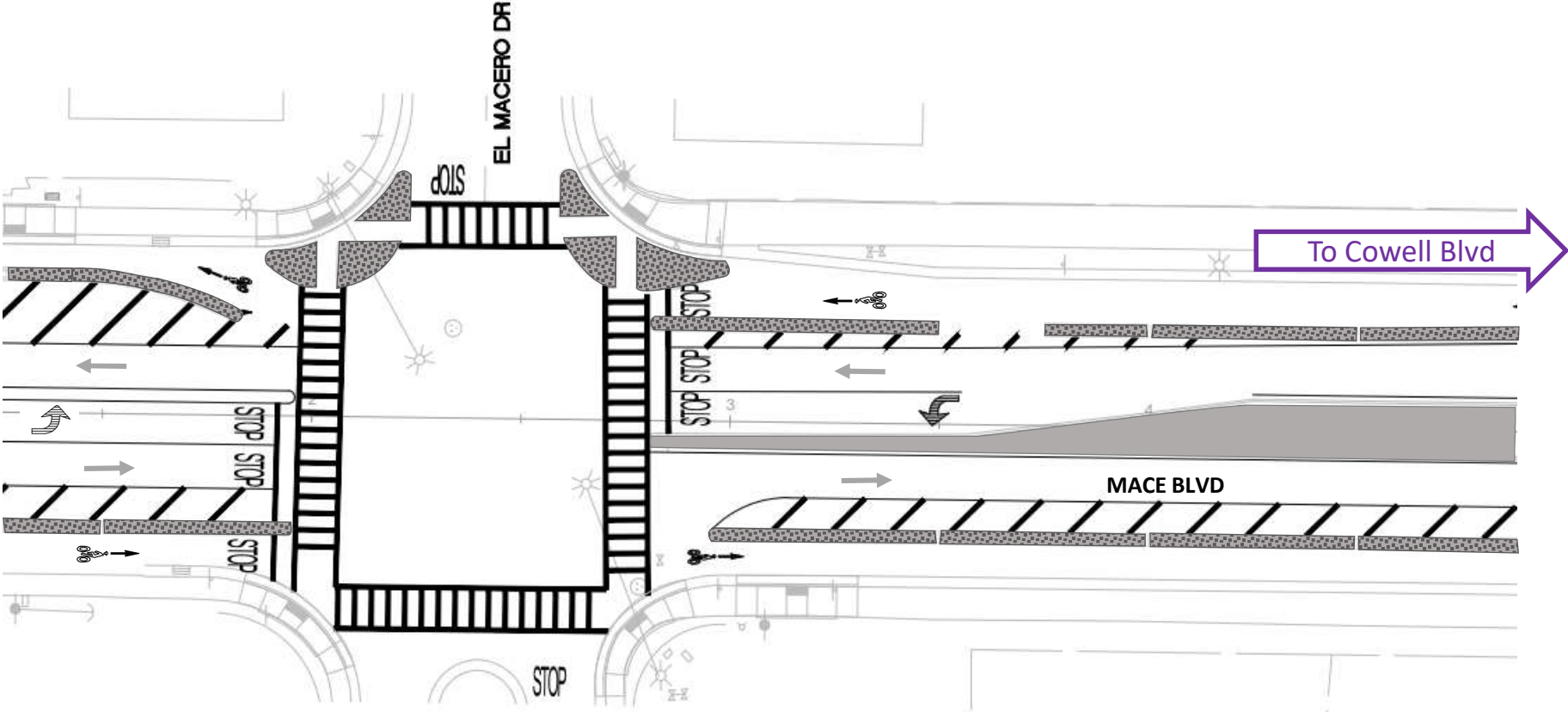
Proposed physical or striping changes.



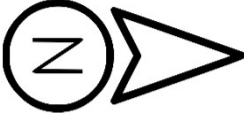
ID #1, Alternative 4: Restore to Original Configuration



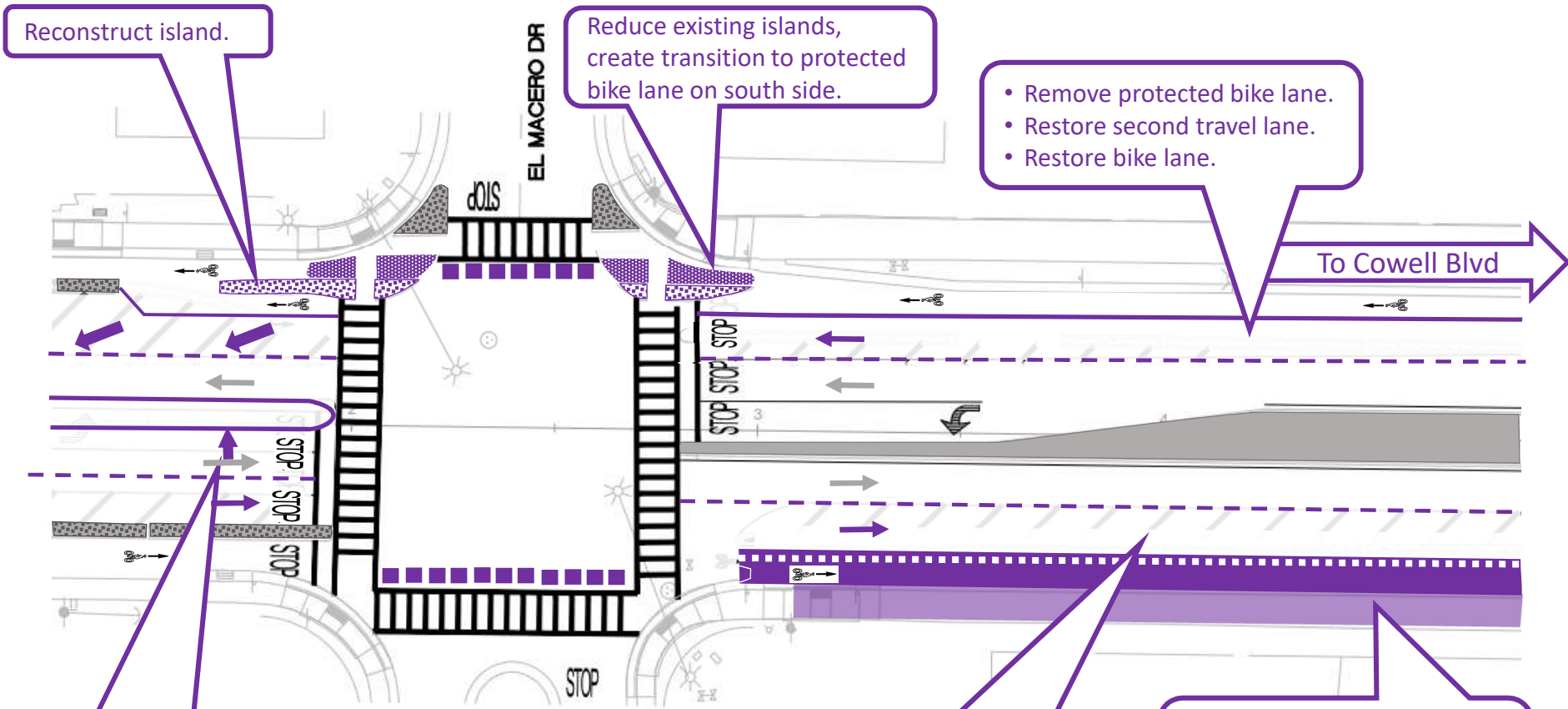
ID #2, Mace Blvd. / El Macero Dr. Intersection Existing



 = Existing project construction.



ID #2, Mace Blvd. / El Macero Dr. Intersection Design (Recommended)



• Remove protected bike lane.
• Restore second travel lane.
• Restore bike lane.


Reconstruct island.


Reduce existing islands, create transition to protected bike lane on south side.

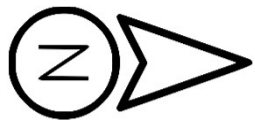
Continue:
• Two travel lanes north bound.
• Convert median lane to combined through/left turn.

• Remove protected bike lane.
• Restore second travel lane.
• NO BIKE LANE

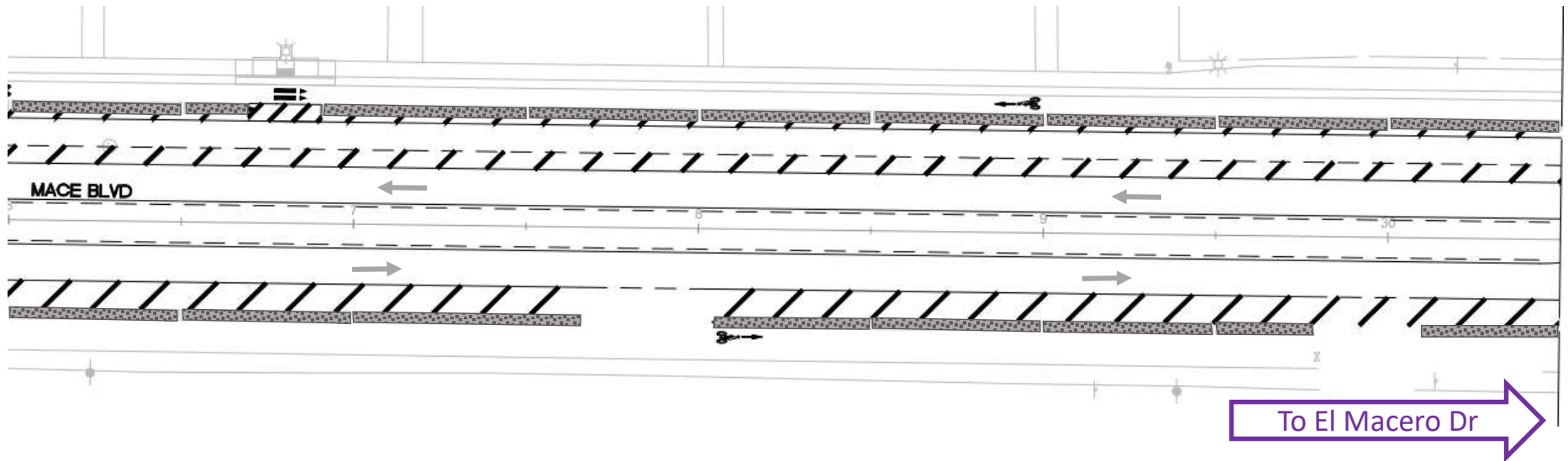
• Reconstruct sidewalk into a 12'-13' path with protective fence or other delineator.


 = Existing project construction.

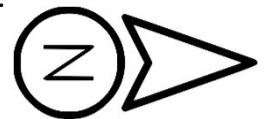
 = Proposed physical or striping changes.



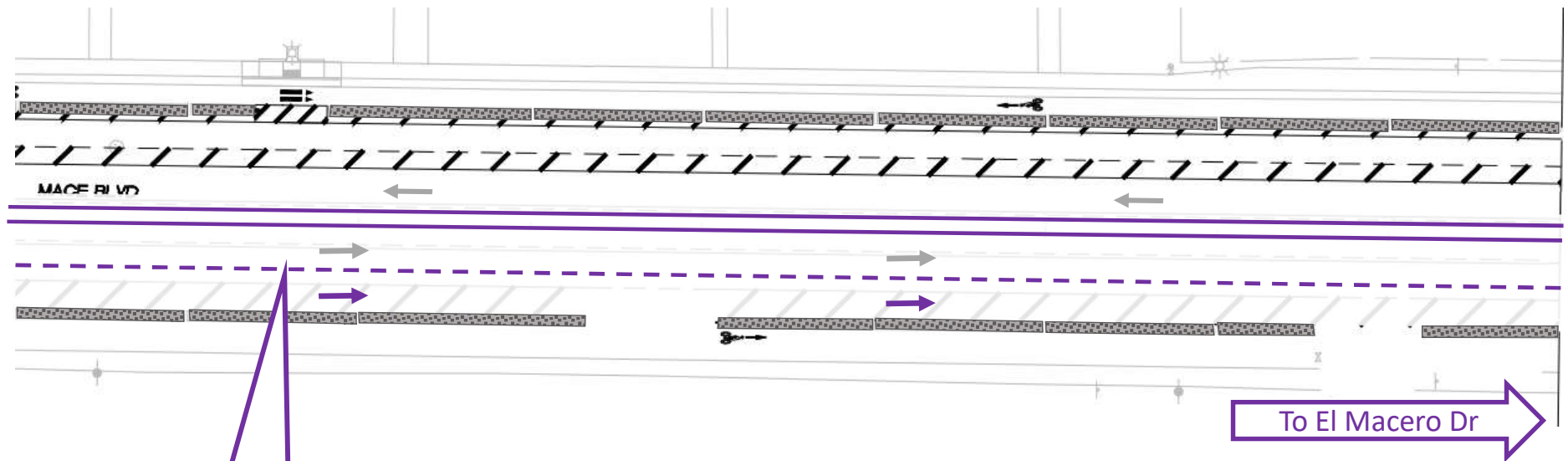
ID #2, Mace Blvd. Between San Marino Dr. and El Macero Dr. Existing




 = Existing project construction.




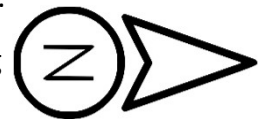
ID #3, Mace Blvd Between San Marino Dr. and El Macero Dr. Alternative (Recommended)



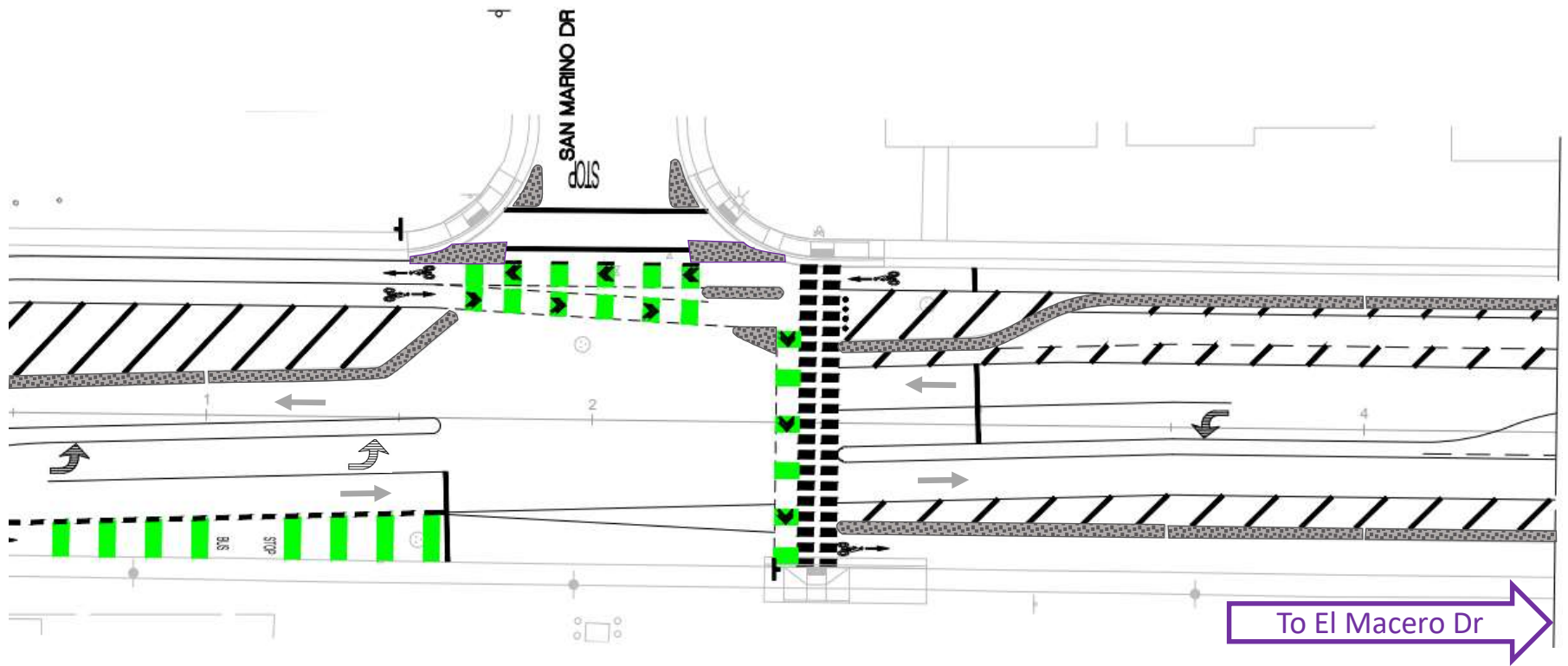
Restore two travel lanes.


 = Existing project construction.

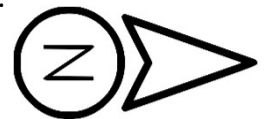
 = Proposed physical or striping changes.



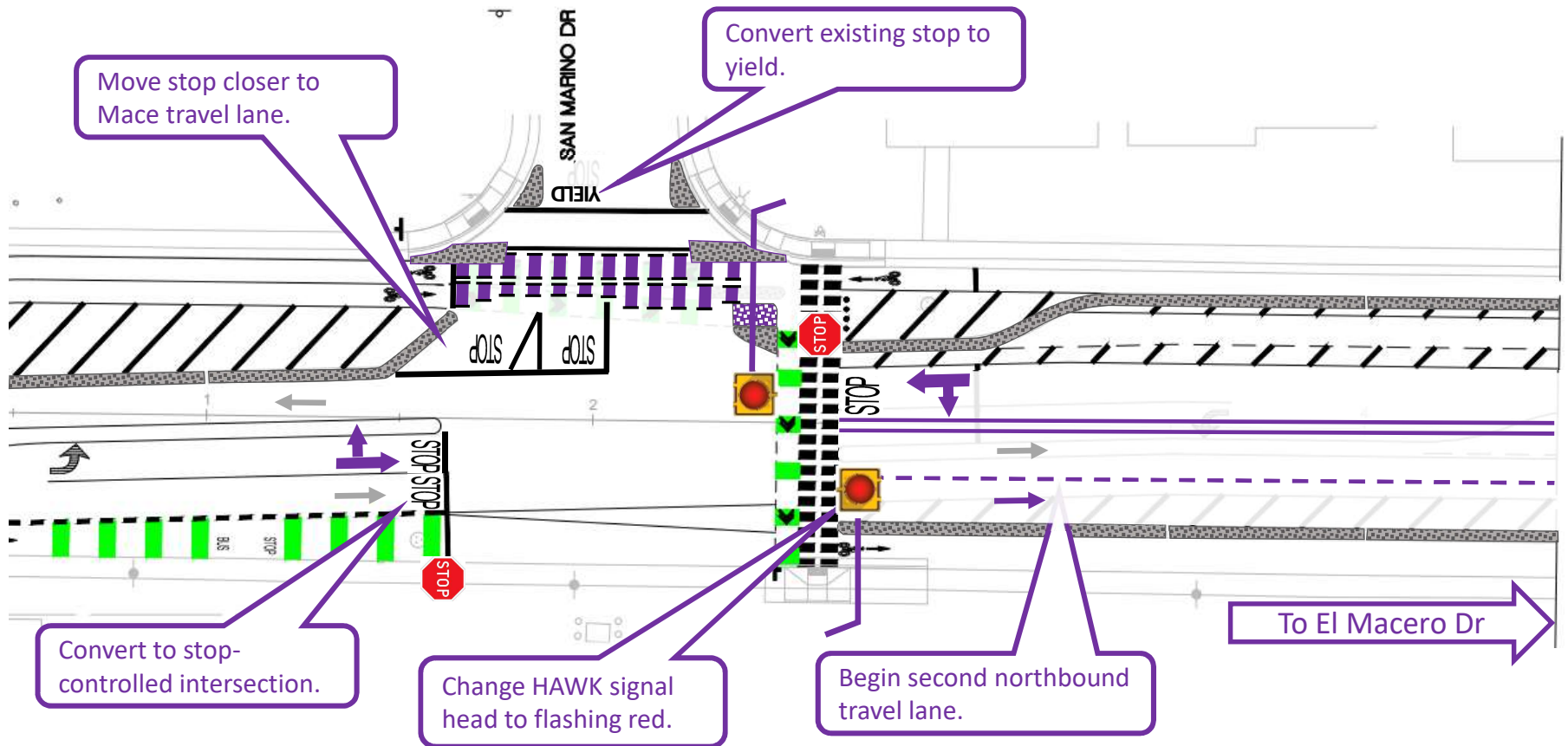
ID #4, San Marino Dr. Intersection Existing



 = Existing project construction.



ID #4, San Marino Dr. Intersection (Recommended)



Move stop closer to Mace travel lane.

Convert existing stop to yield.

Convert to stop-controlled intersection.

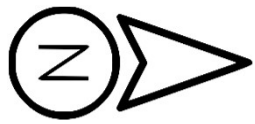
Change HAWK signal head to flashing red.

Begin second northbound travel lane.

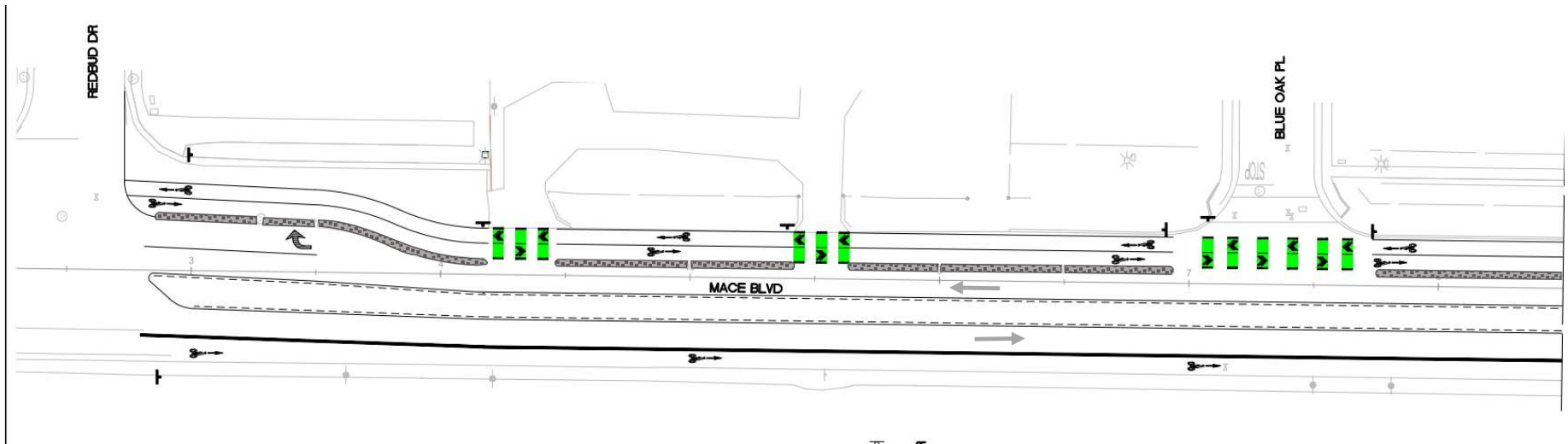
To El Macero Dr

[Hatched Box] = Existing project construction.


[Purple Box] = Proposed physical or striping changes.

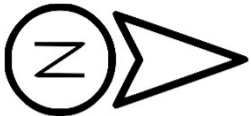


Mace between Red Bud Dr. & San Marino Dr. Existing (no proposed changes)



To San Marino Dr 

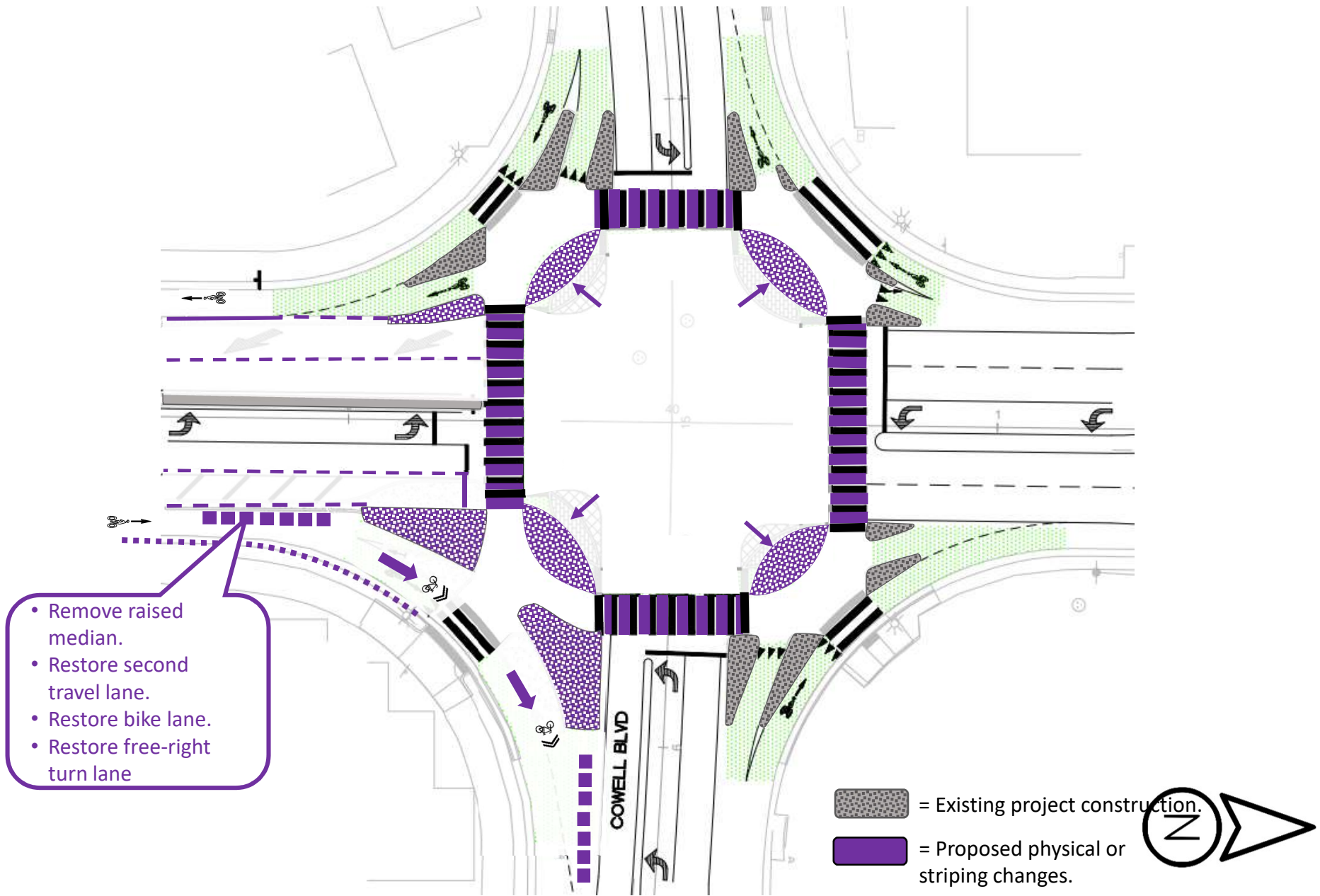
 = Existing project construction.



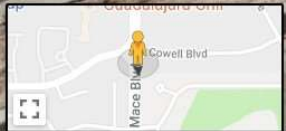
End

cityofdavis.org/maceblvd

ID #1, Alternative 1: Restore to Four Lanes (w/NB channelized turn lane)



524 Mace Blvd
Davis, California
Google
Street View - May 2018



Google