

Hesperian Boulevard | E. 14th Street to Springlake Drive

PRIORITY LOCATION #6

CORRIDOR HOT SPOT

COLLISION SUMMARY



TOTAL COLLISIONS (3 KSI)



PEDESTRIAN COLLISIONS (2 KSI)



BICYCLE COLLISIONS (0 KSI)

LOCATION SUMMARY

VIOLATIONS

- Unsafe speed
- Vehicle right of way violation
- Pedestrian right of way violation

COLLISION TYPES

- Rear end
- Broadside
- Vehicle/pedestrian

ROADWAY AND CONTEXTUAL FACTORS

- 5-lane to 7-lane roadway with median
- 40 mph speed limit
- Gaps in the bikeway network
- Gaps in lighting

GOALS

- Reduce vehicle speeds
- Increase pedestrian visibility and comfort when crossing on major arterials

NEAR SCHOOL



NEAR RETAIL

NEAR PARK

IN DISADVANTAGED COMMUNITY

RELEVANT GRANT OPPORTUNITIES

HSIP

ATP

Alameda CTC CIP

COUNTERMEASURES

COUNTERMEASURE	ISSUE AREA	TIME FRAME	COST
Traffic calming measures (road diet, narrowing lanes)	To Address Rear-end collisions	Long	Medium
Extend yellow and all red time	To Address Rear-end collisions	Short	Low
High-visibility crosswalks	To Address Pedestrian collisions at signalized, unsignalized, and midblock crossings	Short	Low
RRFBs or PHBs where appropriate	To Address Pedestrian collisions	Medium	High
Add lighting	To Address Gaps in lighting	Medium	Medium
Road dieting	To Address Unsafe speed	Long	Medium
Separated bikeways	To Address Unsafe speed	Long	High

Hesperian Boulevard E. 14th St to Springlake Dr



- Prohibit northbound left onto East 14th Street.
- Coordinate protected intersection design with related projects: East Bay Greenway and Crosstown Corridors.



- Enhance the existing crosswalk with Pedestrian Hybrid Beacons (will be included in the Hesperian paving project in 2023).



- Install leading pedestrian intervals.
- Install a south crosswalk.
- Reconstruct intersection to provide crossings on all legs. Remove Bayfair Drive median and eastbound right turn pocket to better align Ruth Court and Bayfair Drive.



- Enhance the existing crosswalk with Pedestrian Hybrid Beacons.
- Add a pedestrian refuge island at the southbound separated bike lane and the median (will be included in the Hesperian paving project in 2023).
- Straighten the skewed crosswalk on Colby Street.



General Recommendations

- Install separated bike lanes with concrete protection. Bike lanes will be installed between Springlake Drive and Fairmont Drive during 2023 repaving.
- Highlight bike lane through intersection and driveway with green conflict striping.
- Restripe all existing standard crosswalk as high-visibility ladder crossings.
- Install advanced stop bars at all controlled crosswalks.
- Crosswalk enhancements including curb extensions and signal modifications will be included in the Hesperian paving project (2023).

Louise St

Grace St

Halycon Dr

Adason Dr

Bayfair Dr

Olive St

Thornally Dr

Colby St

Drew St

Springlake Dr

- Install leading pedestrian intervals and protected left turn phases to reduce vehicle/pedestrian and left turn conflicts.
- Realign 150th Avenue to better align with Louise Street and reduce the size of the intersection.
- Mark the north crosswalk, close the slip lane across 150th Avenue, prohibit southbound left, and consider removing the northbound right turn lane onto 150th Avenue.



- Install leading pedestrian intervals.
- Reconstruct intersection to straighten crosswalks and to provide a protected intersection for access to BART. Coordinate long-term design with BART transit-oriented development and station access improvements.
- Straighten the north crosswalk by extending the curb on the northeast corner.
- Maintain nearside northbound bus stop to align with pedestrian infrastructure on the south side of Thornally Drive.



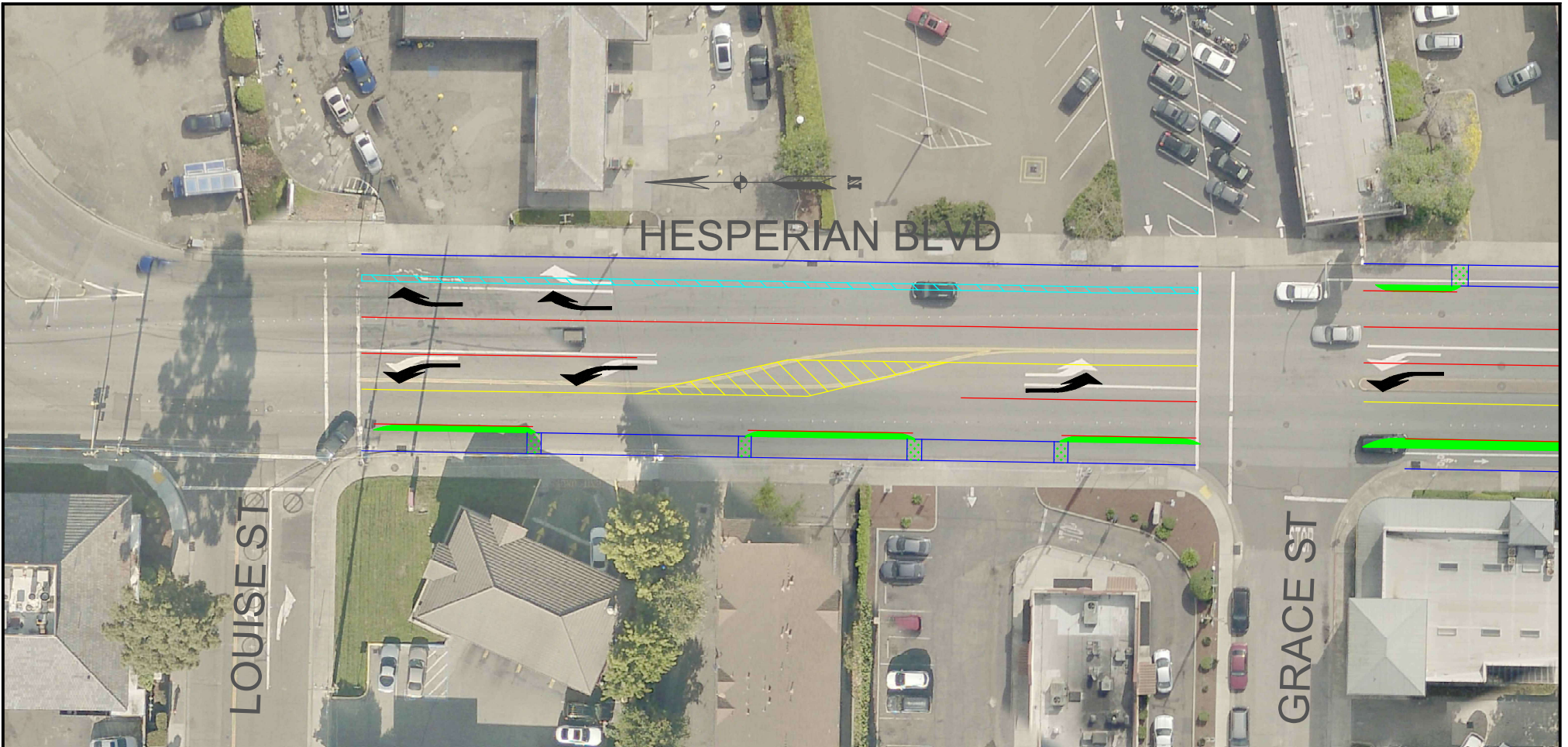
- Reconstruct intersection to install protected intersection, tighten turn radii, and provide direct crosswalks on all legs. Coordinate project with reconstruction of 238 off-ramp at Springlake Drive.
- On the north leg of the intersection, close westbound slip lane and remove pork chop island. Provide high-visibility crosswalk with median refuge on north leg. Coordinate with rail crossing improvements.
- Close double right turn lanes on 238 off-ramp and on Springlake Drive eastbound.
- At the 238 off-ramp, enhance crosswalk and construct accessible curb ramps.
- Close bike lane gaps and provide separated bike lanes on both Springlake and Hesperian with a protected intersection.



Legend:	
Centerline:	
Travel Lane Edge:	
Bike Lane Edge:	
Green Thermalplastic:	
Buffer Lane	
Proposed Median	

Scale 3/8"=1'

	<p>BEFORE YOU DIG, CALL UNDERGROUND SERVICE ALERT BY</p> <p>IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THESE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF SAN LEANDRO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION.</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION													<p>CITY OF SAN LEANDRO</p> <p>DESIGNED BY: _____ DATE: 3/2/22</p> <p>DRAWN BY: _____ DATE: 3/2/22</p> <p>PROJECT MGR: _____ DATE: 3/2/22</p> <p>TRANS ADMIN: _____ DATE: _____</p> <p>SENIOR ENGR: _____ DATE: _____</p> <p>APPROVED BY: _____ DATE: _____</p> <p>CITY ENGINEER, R.C.E. No. 54659</p>	<p>HESPERIAN BOULEVARD BIKE LANE GAP CLOSURE E 14TH - LOUISE</p>	<p>AT FULL SIZE THIS LINE MEASURES 1/2"</p> <p>SHEET 2 OF 6</p> <p>JOB NO. XXXX.XXXX</p> <p>SCALE AS NOTED</p> <p>DWG XXXX CASE XXX</p>
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Scale 1" = 30' 1/2"

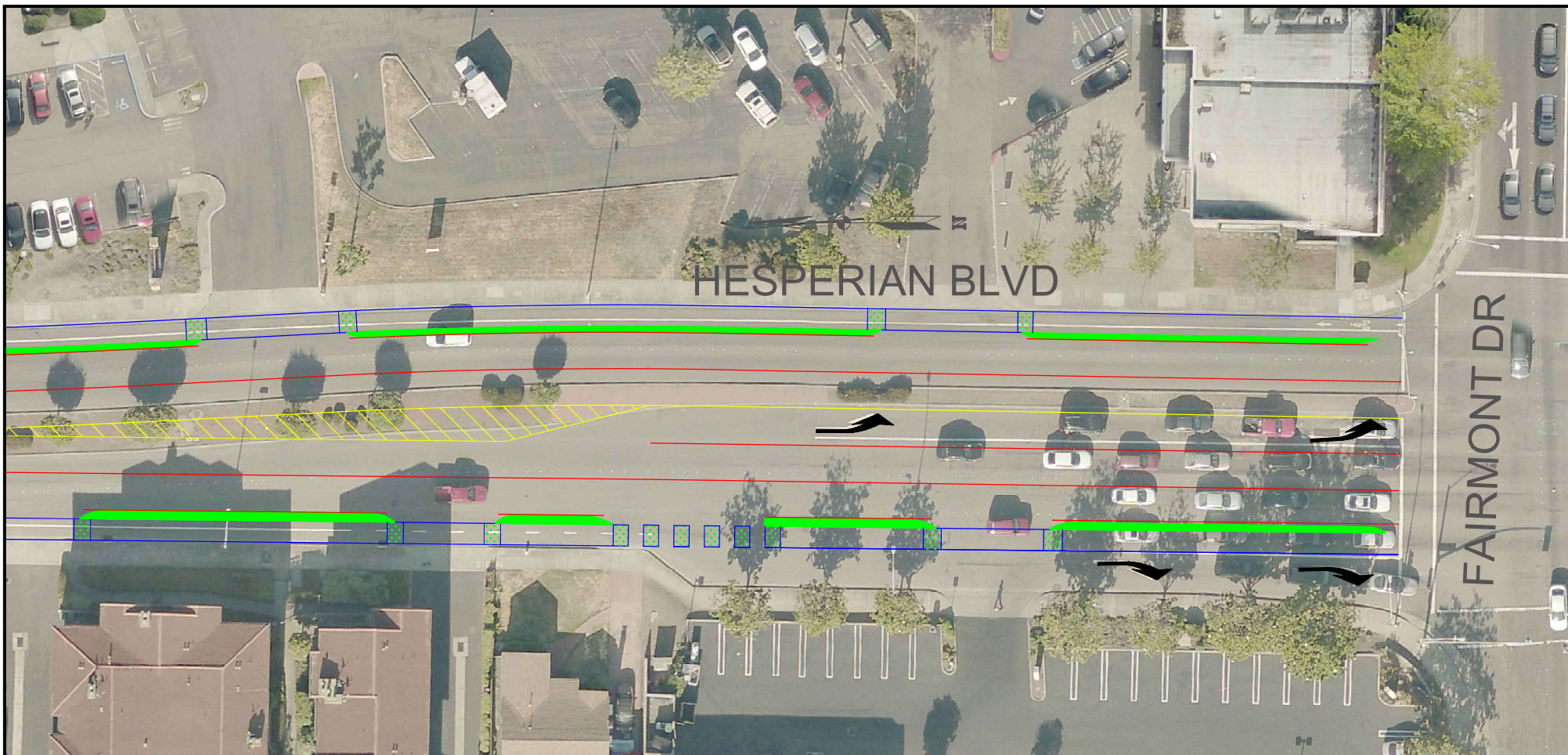
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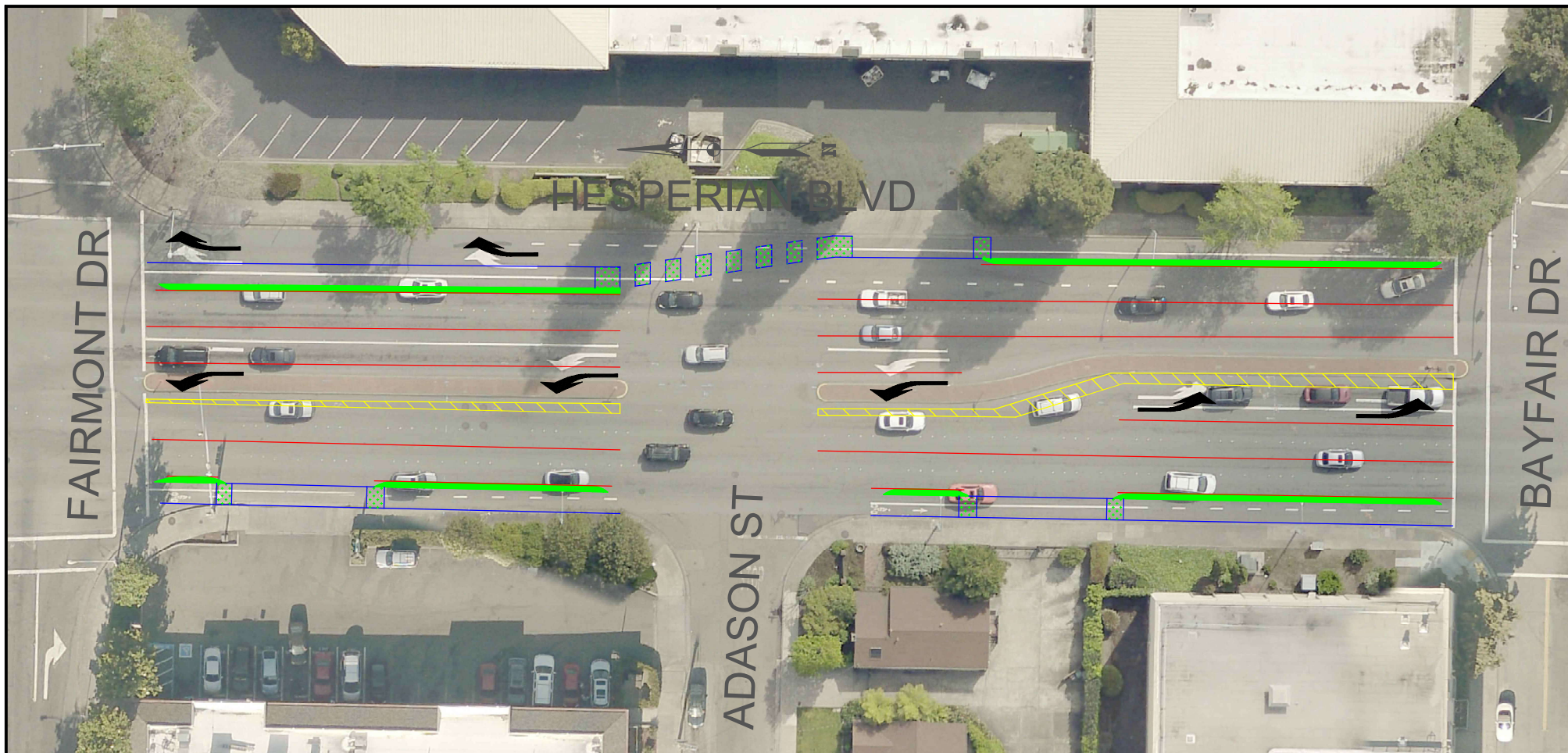
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