



DATE: June 14, 2016

CATEGORY: New Business

DEPT.: Public Works

TITLE: **Calderon Avenue Bike Lane Improvements, Project 16-39 – Various Actions**

RECOMMENDATION

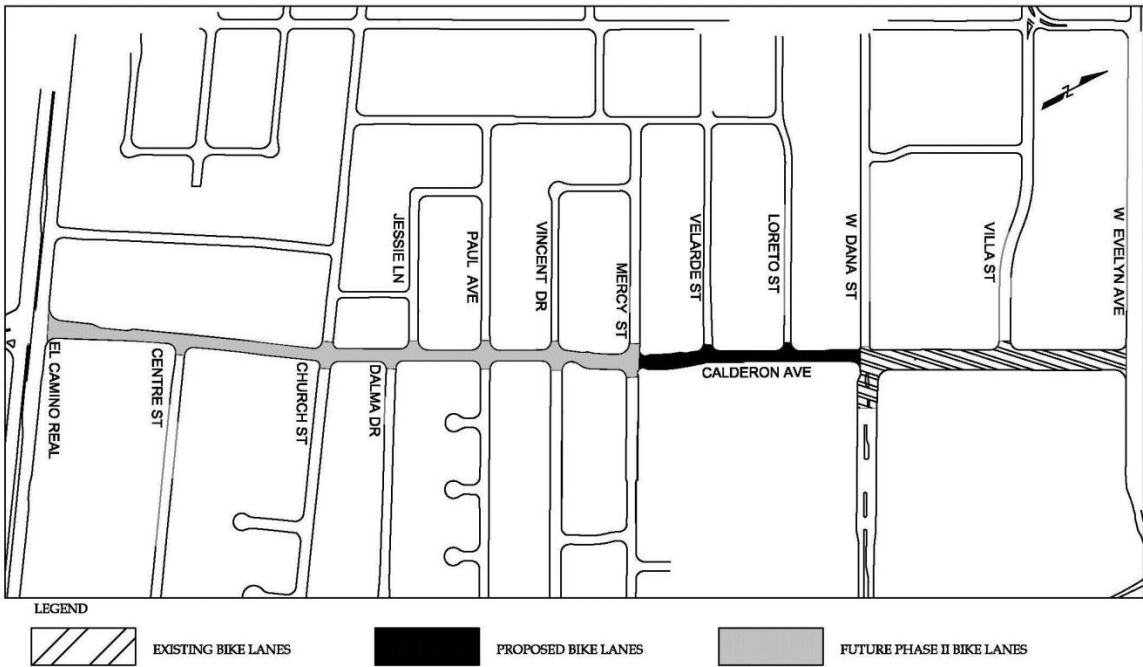
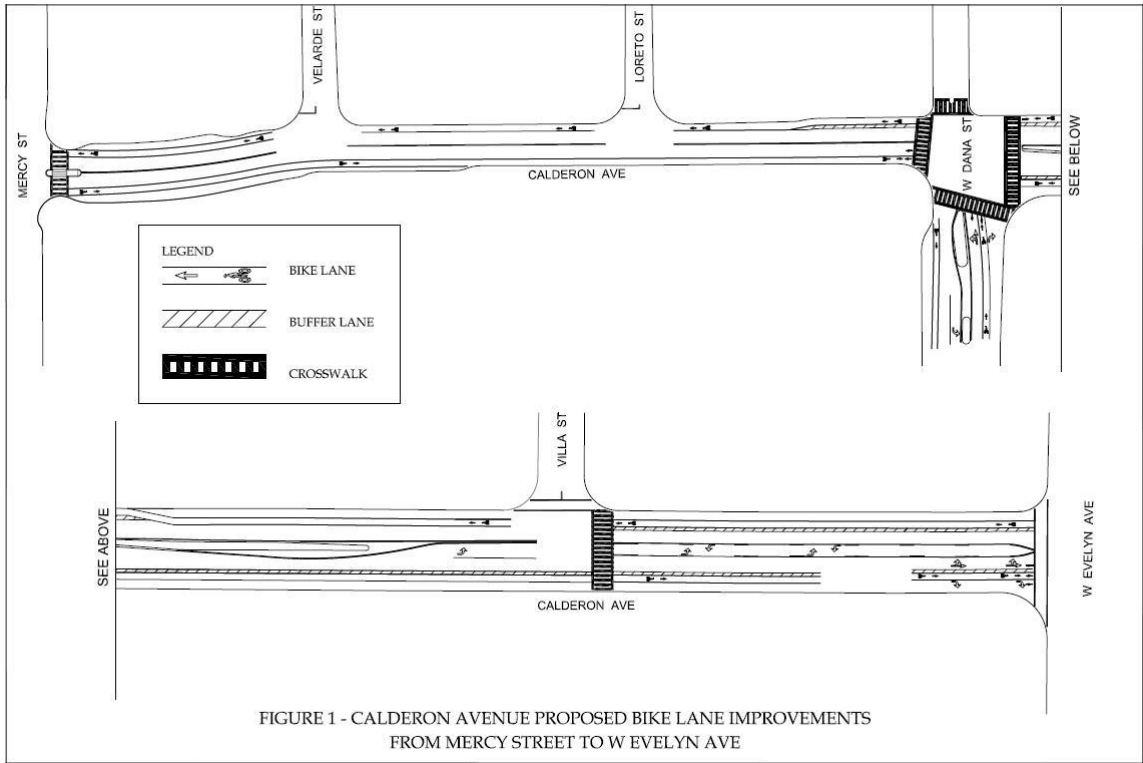
1. Authorize the transfer and appropriate \$200,000 from the following projects to Calderon Avenue Bike Lane Improvements, Project 16-39:
 - \$110,000 from Street Resurfacing Program, Project 14-01;
 - \$90,000 from Green Bike Lane Pilot, Project 15-48.

(Five votes required)
2. Approve the removal of three Heritage trees and replacement at a 2 to 1 ratio with 24" box trees.
3. Approve plans and specifications for Calderon Avenue Bike Lane Improvements, Project 16-39, and authorize staff to advertise the project for bids.
4. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the project budget.

BACKGROUND

The addition of bike lanes to Calderon Avenue has been a topic of discussion for many years, but implementation has been hampered by the need to eliminate on-street parking spaces and remove several Heritage trees in a median to be modified. The current project includes adding bike lanes on Calderon Avenue from Dana Street to Mercy Street (see Figure 1) and is included in the Council Major Goals Work Plan. Calderon Avenue is identified in the City's 2015 Bicycle Transportation Plan Update as a recommended bike route, and as a gap in the City's bicycle network. Bike lanes already exist from Evelyn Avenue to Dana Street. After the current project, bicycle

lanes from Mercy Street to El Camino Real could be completed as a future project (see Figure 2).



ANALYSIS

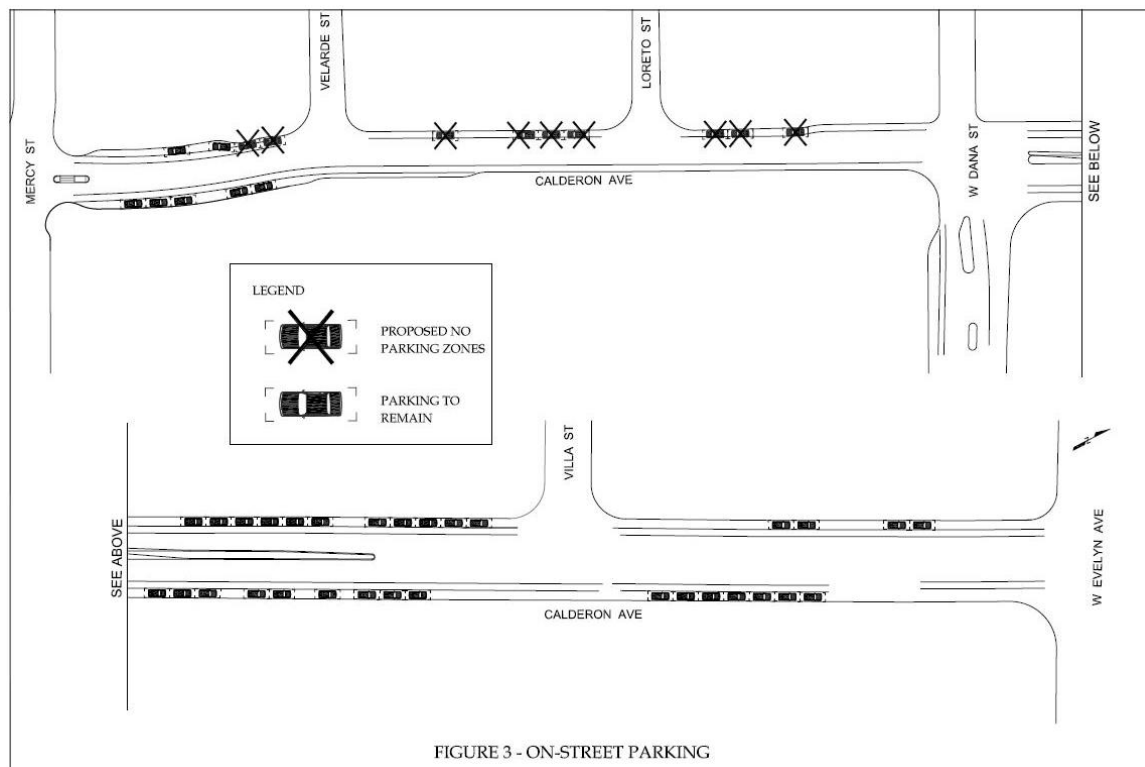
Major project elements include:

New Bike Lanes

New 5' to 6' wide bike lanes will be installed in both directions from Dana Street to Mercy Street. The width of Calderon Avenue in this area varies. In some places there is sufficient space to add a bike lane and retain on-street parking, and in some places the street is too narrow for both, so on-street parking is proposed to be eliminated. Nine (9) spaces are proposed for removal, reducing the inventory of on-street parking in the project area from 47 spaces to 38 (see Figure 3).

Green bike lanes will be installed if bid prices are within the project budget. As such, they are proposed in the project design as an alternate bid item. The estimated cost to install green bike lanes instead of conventional bike lanes is \$90,000.

North of West Dana Street, a high-visibility crosswalk will be added and existing bike lanes will be repainted.



Street Resurfacing

To provide a clean asphalt surface and avoid confusion for drivers and bicyclists about old striping that has been removed versus new striping that includes bike lanes and realigned traffic lanes, staff also proposes to overlay Calderon Avenue with a slurry seal “microsurfacing.” A transfer of funding from the annual slurry seal project is proposed to fund this portion of the work.

Median Modification and Heritage Tree Removal

To add a bike lane on the southeast corner of Calderon Avenue and Dana Street, the street centerline will need to shift and the median on the north side of the intersection will be realigned. Three Canary Island pine Heritage trees must be removed to realign the island (see Figure 4—Median Island to be Realigned).

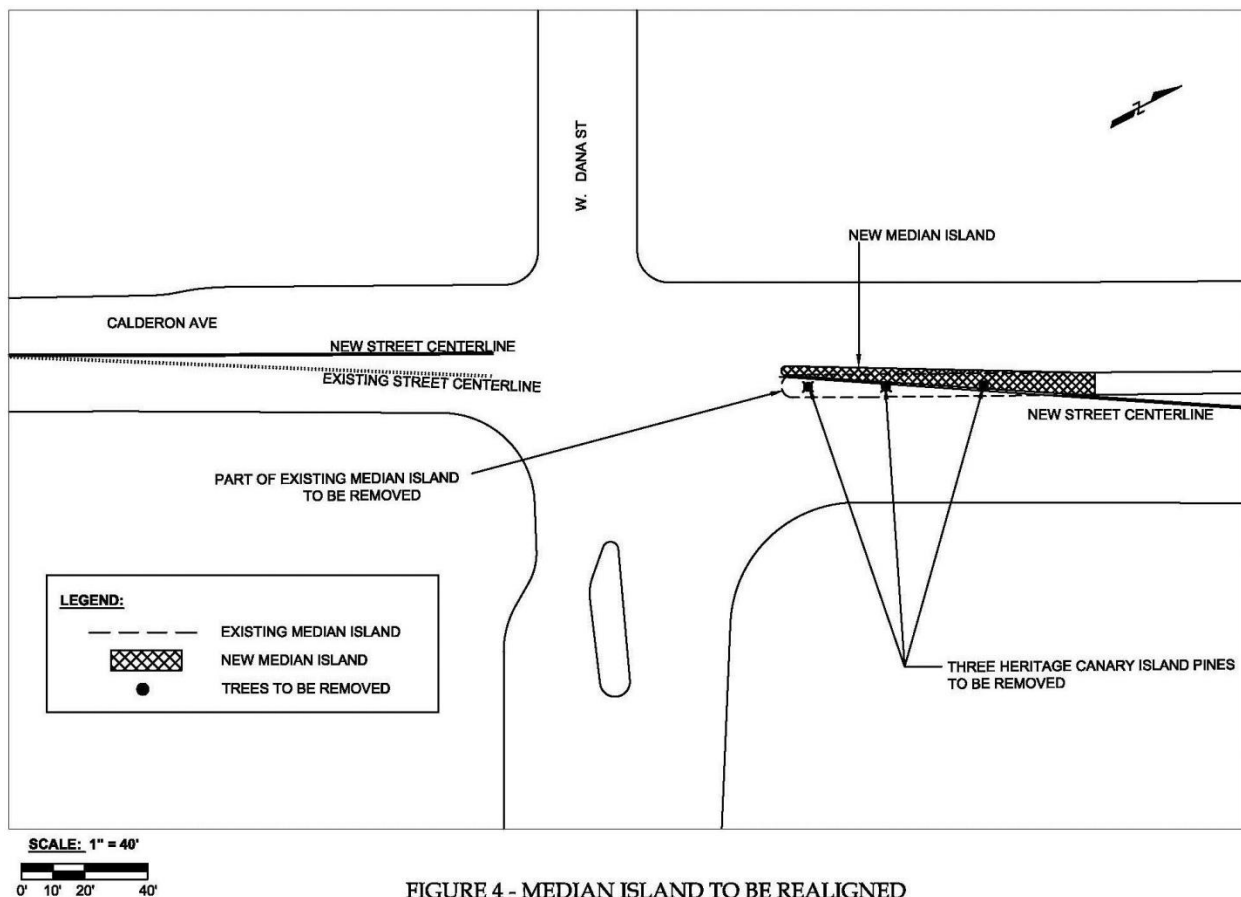


FIGURE 4 - MEDIAN ISLAND TO BE REALIGNED

At their March 9, 2016 meeting, the Urban Forestry Board recommended a mitigation replacement ratio of 2 to 1 with six new 24" box trees. Because the median will be narrower after construction, it is not feasible to plant replacement trees there. The Parks and Open Space Manager recommends planting the six new 24" box trees along Stevens Creek Trail by Edith Landels Elementary School (see Figure 5—New Tree Locations).

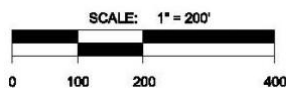


FIGURE 5 - NEW TREE LOCATIONS

Schedule

Plans and specifications for the project are complete and available for viewing in the Public Works Department. If Council approves the recommended actions, construction is expected to begin in summer 2016 and be completed by the end of 2016.

FISCAL IMPACT

Calderon Avenue Bike Lane Improvements, Project 16-39, is currently funded with \$170,000 from Google and \$80,000 from the Construction/Conveyance Tax Fund, for a total funding of \$250,000.

The estimated total project cost is as follows:

Construction (including contingency)	\$338,500
City Project Management	28,000
Construction Inspection and Testing	25,500
City Staff Street Repairs	26,000
Miscellaneous	<u>4,500</u>
Subtotal	422,500
City Administration	<u>27,500</u>
TOTAL PROJECT COST	<u>\$450,000</u>
BUDGET SHORTFALL	\$200,000

The project costs include work completed by City Street crews in May 2016 to repair some of the street base in preparation for this project. To fund the slurry seal and green bike lane portion of the project, staff recommends transferring \$110,000 from Street Resurfacing Program, Project 14-01, and \$90,000 from Green Bike Lane Pilot, Project 15-48, for an addition of \$200,000 and provide a total project budget of \$450,000.

ALTERNATIVES

1. Do not supplement funding and direct staff to reduce scope of work.
2. Provide other direction.

PUBLIC NOTICING

On January 5, 2016, letters were sent to property owners and residents within 300' of the project informing them of this upcoming project and to solicit comments. In late February and early March 2016, notices were posted on the Heritage trees proposed for removal and provided information regarding the Urban Forestry Board meeting on

March 9, 2016, that discussed the tree removal and mitigation plans. In addition to agenda posting for this Council item, lawn signs were posted and letters with the final design concept were sent on May 26, 2016 informing property owners and residents about this meeting and the recommended actions.

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