



# TOWN OF FAIRFAX

## STAFF REPORT

### November 1, 2017

**TO:** Mayor and Town Council

**FROM:** Garrett Toy, Town Manager

**SUBJECT:** Approve contract to replace the existing flashing light crosswalk system at Sir Francis Drake Boulevard and Oak Tree Lane

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#### **RECOMMENDATION**

Authorize the Town Manager to execute an agreement with DC Electric in an amount not to exceed \$17,000 to replace the flashing crosswalk system at Sir Francis Drake Blvd. and Oak Tree Lane.

#### **DISCUSSION**

The existing lighted crosswalk system at Sir Francis Drake and Oak Tree Lane has reached the end of its useful life. In addition, the manufacturer is no longer in business and parts are no longer available. Often when we perform maintenance, the system will work fine. However, we continue to receive multiple reports of early morning or night time hours where it does not work properly. While trimming the trees that shade the solar panels would help, the system should be replaced with a newer, more effective flashing beacon system.

We are recommending the Town remove and dispose of the existing controller and solar panels and install new equipment similar to the rectangular rapid flashing beacon systems (RRFBs) installed by DC Electric on Center and Sir Francis Drake Boulevards. DC Electric is also the firm that the Town uses to maintain its traffic and street lights.

Attached is a rendering of the installation of the new system using the existing poles and mast arm. Due to lead time for the materials, the new system will probably be installed in early December.

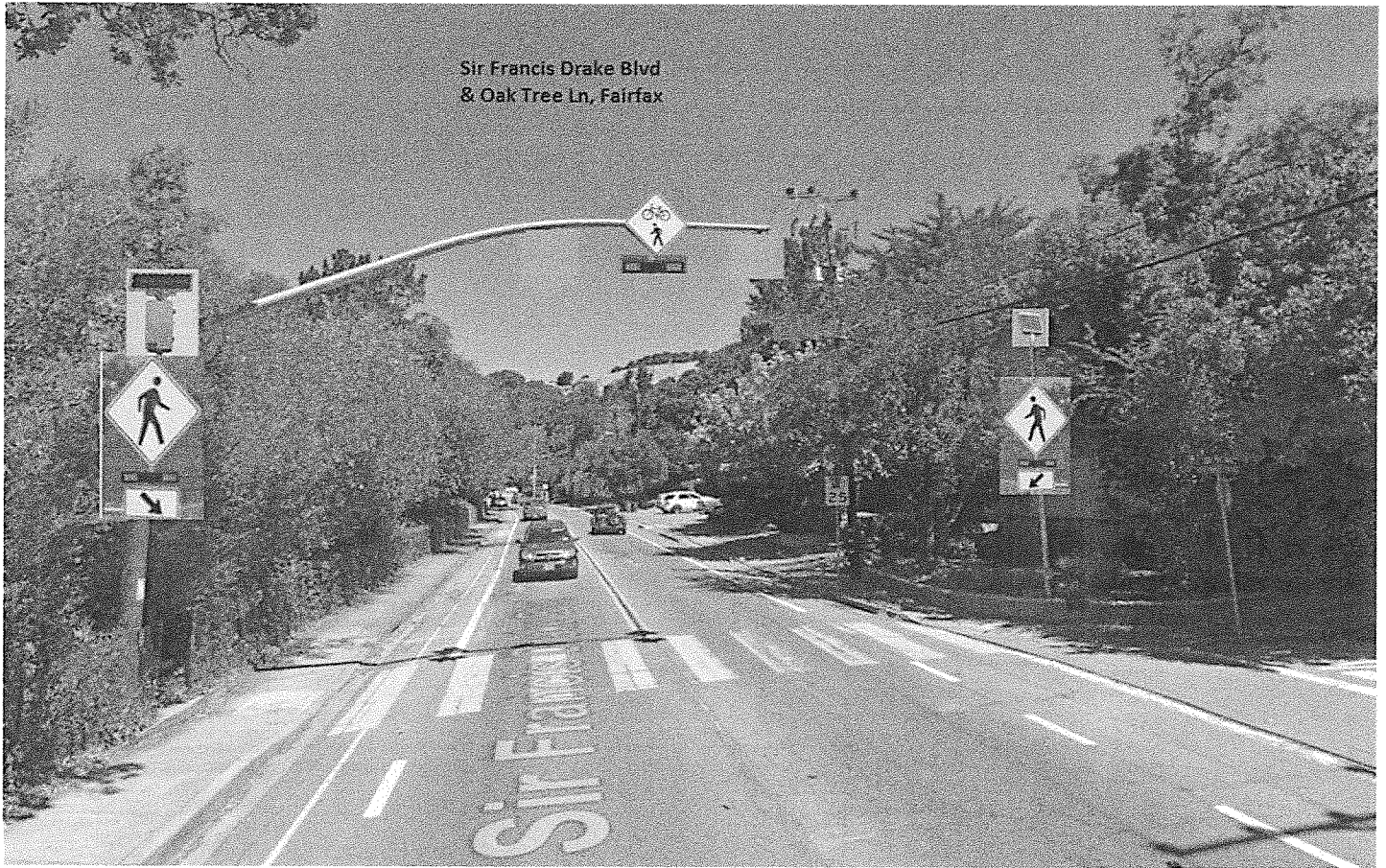
#### **FISCAL IMPACT**

The cost of the system would be absorbed into CIP Project 53-887 Street Resurfacing and Repair.

#### **ATTACHMENTS**

- A. Rendering
- B. Proposal

Rendering of Proposed Replacement System





October 12, 2017

Town of Fairfax  
Department of Public Works  
Attn: Garrett Toy, Town Manager  
142 Bolinas Road  
Fairfax, CA 94930

Job Name: Lighted Crosswalk Warning System Upgrade to RRFB  
Job Location: Sir Francis Drake Blvd & Oak Tree Ln, Fairfax, CA

Dear Garrett,

Per your request, we offer to perform the following work based on our standard terms and conditons:

- Establish temporary traffic control.
- Remove and dispose of all existing flashing beacons, controllers, solar panels and signs from the existing signal poles at the subject location.
- Furnish and install one new Carmanah SC-315™ solar powered controller near the top of the existing mast arm pole shaft.
- Furnish and install two (2) new RRFB light bars (back-to-back) on the signal pole shaft.
- Furnish and install two (2) new (back-to-back) W11-2 signs and two (2) new (back-to-back) W16-7P signs.
- Furnish and install two (2) new RRFB light bars (back-to-back) on the signal mast arm (below the existing Bicycle/Walking Man, signs mounted with Unistrut brackets).
- Pull wire from SC-315 controller to each of the 4 new RRFB light bars.
- Furnish and install one new Carmanah R920™ solar powered controller near the top of the existing mast arm pole shaft.
- Furnish and install two (2) new RRFB light bars (back-to-back) on the signal pole shaft.
- Furnish and install two (2) new (back-to-back) W11-2 signs and two (2) new (back-to-back) W16-7P signs.
- Make the necessary connections and confirm proper operation.

The current estimated lead-time on material is 4-6 weeks from receipt of Notice to Proceed from the Town of Fairfax and approved material submittals.

**Total Labor, Material & Equipment... \$16,985.00**

The above pricing is valid for 30 days.

Town of Fairfax

DC Electric Group, Inc.

By: \_\_\_\_\_

  
Tim Carter

Title: \_\_\_\_\_

Project Manager/Estimator

**ATTACHMENT B**