

FY 2018-2023 CAPITAL IMPROVEMENT PROGRAM REQUEST FORM

Due: March 31, 2017

Return to: Melanie Purcell
Admin. Services Director



1. Department	2. Location of Requested Improvements
3. Project Title	
4. Description and Scope of Project - Include sketch on back, attach or e-mail a picture, if applicable.	
5. Justification for Project (Based on CIP criteria)	CIP Criteria: Reduces Threats to Health & Safety Meets Legal mandates Maintains Operations and Functions Prevents Major Repairs Saves Energy Meets City Goals Large Aesthetic Benefit Large Functional Benefit
6. Type of Project a. New Construction d. Replacement b. Addition e. Other c. Major Repair	
7. Department's Preferred Schedule (indicate Fiscal Year to initiate and preferred completion date) Fiscal Year: Completion date:	
8. Special Funding (Indicate if funding is available, e.g., grants or donations -- attach documentation)	
9. Projected change to operating costs and benefits (e.g., increased labor cost and increased revenues).	
10. Other comments by requesting Department (note if submitting additional pages)	

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April 7, 2017

City of Sausalito

Department of Public Works Attn: Jonathon Goldman 420 Litho St.

Sausalito, CA 94965

Job Name: Traffic Signal Upgrades

Job Location: 8 Signalized Intersections, Sausalito, CA

Dear Jonathon:

Per your request, we've inspected/audited the signalized intersections in Sausalito and determined the necessary/recommended upgrades, with budgetary cost estimates, as follows:

1.) Bridgeway & Princess:

□□□□ Replace old/corroded signal heads and framework with new 12" signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.

○ NOTE: Intersection has been partially upgraded.

□□□□ Replace old/corroded pedestrian heads and framework with new 16" pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.

□□□□ Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.

□□□□ Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.

Total Labor, Material, & Equipment... \$24,000.00

2.) Bridgeway & Bay:

□□□□ Replace old/corroded signal heads and framework with new 12" signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.

□□□□ Replace old/corroded pedestrian heads and framework with new 16" pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.

□□□□ Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.

□□□□ Provide a signalized pedestrian crossing on the east side of Bridgeway crossing Bay St. Furnish and install two (2) new pedestrian signal heads, countdown LED modules, framework, and wire for this new crossing.

□□□□ Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.

Total Labor, Material, & Equipment... \$33,000.00

3.) Bridgeway & Johnson:

- Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.
- Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.
- Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.
- Replace old/obsolete traffic signal cabinet and service.
 - Furnish and install a new 332 foundation and Type IIIAF service pedestal foundation approximately 10-ft from current cabinet location.
 - Furnish and install new 332L cabinet, complete with 2070 controller, 2033 programming, and 2010 CMU.
 - Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.
- Rock-wheel trench and furnish and install all new signal crossings.
 - Furnish and install three (3) new 2.5” conduit crossings, tunnel curb and gutter where required, backfill with CDF, grind and pave per Caltrans Standards.
 - Pull new signal conductors for entire intersection and make the necessary splices for proper operation.
- Furnish and install one new four (4) camera Econolite video detection system including all necessary cabinet components and video cable. Program for proper detection of vehicles and bicyclists.

Total Labor, Material, & Equipment... \$159,000.00

4.) Bridgeway & Spring/Easterby:

- Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.
- Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.
- Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.
- Replace old/obsolete traffic signal cabinet.
 - Furnish and install new 332L cabinet, complete with 2070 controller, 2033 programming, and 2010 CMU.
 - Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.

Total Labor, Material, & Equipment... \$73,000.00

5.) Bridgeway & Nevada:

- Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.
- Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.
- Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.
- Replace old/obsolete traffic signal cabinet.
 - Furnish and install new 332L cabinet, complete with 2070 controller, 2033 programming, and 2010 CMU.
 - Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.
- Furnish and install one new three (3) camera Econolite video detection system including all necessary cabinet components and video cable. Program for proper detection of vehicles and bicyclists.

Total Labor, Material, & Equipment... \$79,000.00

6.) Bridgeway & Harbor:

- Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.
- Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.
- Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.
- Replace old/obsolete traffic signal cabinet.
 - Furnish and install new 332L cabinet, complete with 2070 controller, 2033 programming, and 2010 CMU.
 - Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.
- Furnish and install one new four (4) camera Econolite video detection system including all necessary cabinet components and video cable. Program for proper detection of vehicles and bicyclists.

Total Labor, Material, & Equipment... \$102,000.00

7.) Bridgeway & Coloma:

- Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.

□□□□ Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.

□□□□ Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.

□□□□ Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.

□□□□ Replace two (2) Type 1B Poles with new 20-ft Type 1B poles on existing foundations to accommodate video detection cameras for E/B & W/B detection on Coloma.

□□□□ Furnish and install one new four (4) camera Econolite video detection system including all necessary cabinet components and video cable. Program for proper detection of vehicles and bicyclists.

Total Labor, Material, & Equipment... \$85,000.00

8.) Bridgeway & Gate 5 / Ebbtide:

□□□□ Replace old/corroded signal heads and framework with new 12” signal heads (complete with new Red/Yellow/Green LED Modules), and associated framework assemblies.

□□□□ Replace old/corroded pedestrian heads and framework with new 16” pedestrian heads (complete with new Countdown LED Modules), and associated framework assemblies.

□□□□ Replace all push-buttons and frameworks with new Polara Navigator Accessible Pedestrian Stations, including custom voice-on-location messages.

□□□□ Replace old/obsolete traffic signal cabinet.

○ Furnish and install new 332L cabinet, complete with 2070 controller, 2033 programming, and 2010 CMU.

○ Replace old/obsolete battery back-up system with a new externally mounted battery back-up system.

□□□□ Furnish and install one new four (4) camera Econolite video detection system including all necessary cabinet components and video cable. Program for proper detection of vehicles and bicyclists.

Total Labor, Material, & Equipment... \$98,000.00

1.) <u>Bridgeway & Princess:</u>		<i>Total Labor, Material, & Equipment... \$24,000.00</i>			\$ 24,000.00
2.) <u>Bridgeway & Bay:</u>		<i>Total Labor, Material, & Equipment... \$33,000.00</i>			\$ 33,000.00
3.) <u>Bridgeway & Johnson:</u>		<i>Total Labor, Material, & Equipment... \$159,000.00</i>			\$ 159,000.00
4.) <u>Bridgeway & Spring/Easterby:</u>		<i>Total Labor, Material, & Equipment... \$73,000.00</i>			\$ 73,000.00
5.) <u>Bridgeway & Nevada:</u>		<i>Total Labor, Material, & Equipment... \$79,000.00</i>			\$ 79,000.00
6.) <u>Bridgeway & Harbor:</u>		<i>Total Labor, Material, & Equipment... \$102,000.00</i>			\$ 102,000.00
7.) <u>Bridgeway & Coloma:</u>		<i>Total Labor, Material, & Equipment... \$85,000.00</i>			\$ 85,000.00
8.) <u>Bridgeway & Gate 5 / Ebbtide:</u>		<i>Total Labor, Material, & Equipment... \$98,000.00</i>			\$ 98,000.00
					\$ 93,868.75
					\$ 653,000.00