
DEPARTMENT OF
PUBLIC WORKS



COUNTY OF SANTA CRUZ

GOVERNMENTAL CENTER

JOHN A. FANTHAM
DIRECTOR OF PUBLIC WORKS

701 OCEAN STREET, SANTA CRUZ, CALIFORNIA 950604070

(408) 454-2160

FAX (408) 454-2385

June 4, 1998

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: TRAFFIC SIGNAL AND HIGHWAY SAFETY LIGHTING MAINTENANCE
REQUEST FOR PROPOSALS

Members of the Board:

The Department of Public Works is proposing to retain the services of a contractor through the "Request for Proposal" process to perform traffic signal and highway safety lighting maintenance. The County of Santa Cruz currently utilizes the services of a private contractor for maintenance of 34 traffic signals and various flashing beacons located throughout the County. The private contractor also responds to repair calls associated with operational problems and accidental damage as a result of collisions, natural disaster events and vandalism. Our current contract with Peek Signal Maintenance, Incorporated expires in August 1998. A copy of the Request for Proposals is attached for your Board's review.

The annual budget allocated for the maintenance and repairs of the traffic signals and highway safety lights is approximately \$50,000 to \$90,000 with the variation of pricing depending on the number of repair calls and signal modification requests. The department, in anticipation of negotiating a new contract with an expanded scope of work involving additional lighting fixtures and an increase in the required amount of preventative maintenance, has proposed an allocation of \$125,000 in funding for the 1998/99 County Service Area 9, Highway Safety Lighting Budget.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve the attached Request for Proposals.

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

Page - 2-

- 2. Direct the Public Works Department to proceed with the consultant selection process for the services of a contractor for maintenance of traffic signal and highway safety lighting and to return to your Board in August with a recommended contract.

Yours truly,

John Fantham
 JOHN A. FANTHAM *By TLB*
 Director of Public Works

JJP:mg

Attachment

RECOMMENDED FOR APPROVAL:



County Administrative Officer

Copy to: Public Works

**COUNTY OF SANTA CRUZ DEPARTMENT OF PUBLIC WORKS
REQUEST FOR PROPOSALS FOR
TRAFFIC SIGNAL AND HIGHWAY SAFETY LIGHTING MAINTENANCE**

The County of Santa Cruz Department of Public Works, is issuing a Request for Proposals (RFP) for the maintenance of traffic signal and highway safety lighting maintenance operation of 34 traffic signals. The contractor chosen for this purpose must enter into an agreement with the County of Santa Cruz for the following Scope of Work.

SCOPE OF WORK

1. The said Contractor agrees to, as an independent contractor, furnish all tools, equipment, apparatus, facilities, labor, service and materials, and perform all work necessary to maintain traffic signal facilities and highway safety lighting, subject to the inspection and approval of the County, its Director of Public Works, or inspectors or their representatives.
2. The Contractor agrees to inspect, clean, adjust and make a routine inspection of each traffic signal control unit once per month. The Contractor agrees that he will maintain a record in each controller cabinet showing date and time checked. Controller units shall not be replaced, except temporarily for repair, without prior approval of the County. The signal timing shall not be changed without prior approval of the County.
3. The Contractor agrees to replace or repair any and all defective or worn out parts in the signal system which cause a signal failure or malfunction as the occasion arises.
4. The Contractor agrees to replace all incandescent lamps in all traffic and pedestrian signals using an 80% depletion curve, but not to exceed 12 months. Contractor agrees to use only standard traffic signal lamps as manufactured by General Electric Company, Sylvania Company or equal. Contractor agrees to replace all LEDs in conformance to CALTRANS' standards for the traffic signals and pedestrian signals. Accurate records shall be kept indicating relamping dates and locations.

5. Contractor agrees to replace or repair defective photoelectric control devices and highway safety lights located on the mast arms above the signals. The highway safety lights shall be inspected once a month for proper operation. The highway safety lights shall be relamped based on CALTRANS' maintenance schedule for the existing type of light. The contractor shall maintain accurate records indicating relamping dates and locations.

6. Contractor agrees to clean, polish and inspect all lenses and reflectors at the time the traffic signals are relamped. At this time, all broken or deteriorated parts will be replaced or changed as necessary.

7. Contractor agrees to maintain a 24-hour per day emergency service and shall respond to emergency calls in a time not to exceed two (2) hours unless, weather, traffic, and/or natural disaster conditions prevents Contractor from doing so. The replacement of burned-out lamps and failed LEDs need not be on an emergency basis provided there are at least two indications still operative for each direction of travel. In such case, replacement shall be handled as soon as possible in a routine manner.

8. Contractor agrees to provide the same service for the repair of other equipment and appurtenances, such as but not limited to, audible pedestrian signals, emergency vehicle preemption equipment, flashing beacons, and detector devices which the Contractor may be called upon from time to time by the County to repair, replace, modify, install, upgrade or refurbish.

9. (a) For and in consideration of furnishing said labor, services, materials and equipment under the THIRD, FOURTH, FIFTH, SIXTH, SEVENTH and EIGHTH paragraphs excepting when such repairs are necessitated by obsolescence or accidental damage such as collision, natural disaster events and vandalism, Contractor shall be entitled to receive and shall be paid by the County the sum of \$_____per month for each signalized intersection.

(b) For and in consideration for furnishing said labor, services, materials and equipment under the EIGHTH paragraph when such repairs are necessitated by obsolescence or accidental damage as defined above under the NINTH paragraph, Contractor shall be entitled to receive, in addition to the monthly sum above, a per call sum upon the invoice cost of materials, adjusted cost of labor and equipment, and a reasonable percentage for overhead and profit, to be specified. Labor costs will be at Contractor's prevailing standard rates for job classifications when repairs are made.

PROPOSAL

The following information should be included in your written proposal, as selection will be based on consideration of all written data delivered to the County:

1. QUALIFICATIONS: Provide a list of employees and subcontractors, along with their qualifications. Attention should be placed upon the staff who would likely be involved in the maintenance and repair of traffic signals and highway safety lights.
2. RESUME: Provide a resume describing your company structure and the types of services provided.
3. EQUIPMENT: Provide a general breakdown of equipment that is available for the maintenance and repair of traffic signals and highway safety lights.
4. EXPERIENCE AND REFERENCES: Briefly describe clients similar to the County that have traffic signal maintenance agreements with your firm for the last two years, and provide a complete list of references (including contact information) that you are currently providing services for.
5. PRICING: Include a monthly preventative maintenance cost per signal and a current labor rate schedule as shown in Schedule "A" along with an equipment rate schedule as shown in Schedule "B." The County has 34 traffic signals currently in operation throughout the County (see attached list).

To be considered, **three (3) copies** of your proposal must be received in the Santa Cruz County Department of Public Works, 701 Ocean Street, Room 410, Santa Cruz, CA. 95060, **no later than 5:00 p.m. on July 24, 1998**. Late proposals will be returned. If you have any questions concerning the Request for Proposal, please contact John Presleigh, Senior Civil Engineer, at (408) 454-2391 or Herb Parnell, Traffic Operations, at (408) 454-2371.

SCHEDULE "A"

PREVENTATIVE MAINTENANCE: Intersection per month \$ _____

ADJUSTED LABOR SCHEDULE

	<u>STRAIGHT TIME</u>	<u>OVERTIME TIME</u>
<p><u>OPERATIONS SUPERINTENDENT:</u> All repair work, both field and lab, subject to his approval and direction. Available for advice and opinion as covered by specifications (plans, job inspection, etc.)</p>	\$ _____	\$ _____
<p><u>ENGINEERING TECHNICIAN:</u> Provides liaison, assists traffic engineer on systems and provides technical data.</p>	\$ _____	\$ _____
<p><u>LEAD PERSON:</u> Primary responsibility to guide and assist field technicians and signalmen in the designated section area.</p>	\$ _____	\$ _____
<p><u>TRAFFIC SIGNAL TECHNICIAN- FIELD:</u> Primary duties are to field trouble-shoot and repair field wiring, cabinet wiring, controllers, and perform routine duties of preventative maintenance.</p>	\$ _____	\$ _____
<p><u>TRAFFIC SIGNAL TECHNICIAN - LAB:-</u> Performs complete repair and maintenance of all controllers, detectors and associated devices which are brought from the field for repair.</p>	\$ _____	\$ _____
<p><u>TRAFFIC SIGNALMAN:</u> Primary duties' are as directed by lead man in assisting field technician and accomplishing preventative maintenance. procedures as directed. Traffic signalman assists field technicians as demand is made and assists with knockdowns and associated repairs.</p>	\$ _____	\$ _____

FIXED PERCENTAGE RATE FOR
OVERHEAD AND PROFIT:

_____ %

SCHEDULE "B"

EQUIPMENT SCHEDULE

	<u>JOB</u> <u>TRIP</u> <u>RATE</u>
PERSONNEL VEHICLE	\$ _____
PICKUP TRUCK	\$ _____
SERVICE TRUCK	\$ _____
SERVICE LADDER TRUCK	\$ _____
CRANE TRUCK	\$ _____
HYDRAULIC MAN-LIFT	\$ _____
AIR COMPRESSOR (1/2 DAY RATE)	\$ _____

ANY EQUIPMENT ITEMS USED, BUT NOT ON THE ABOVE LIST, WILL BE AT THE LOCAL PREVAILING RATE SCHEDULE.

COUNTY OF SANTA CRUZ
LIST OF TRAFFIC SIGNAL INTERSECTIONS
MAY 1998

1. Soquel Drive and Porter Street
2. Freedom Boulevard and Airport Boulevard
3. Green Valley Road and Airport Boulevard
4. Capitola Road and Seventh Avenue
5. Capitola Road and Seventeenth Avenue
6. Capitola Road and Chanticleer Avenue
7. Freedom Boulevard and Aptos High School
- a. Seventeenth Avenue and Brommer Street
9. Soquel Drive and Forty First Avenue
10. Soquel Drive and Mar Vista School
11. Soquel Drive and Thurber Lane
12. Soquel Drive and Park Avenue
13. Soquel Drive and Rodeo Gulch Road
14. Soquel Drive and State Park Drive
15. Soquel Avenue and Seventh Avenue
16. Seventh Avenue and Eaton Street
17. Soquel San Jose Road and O'Neill Court
18. Seventeenth, East Cliff Drive and Portola Drive
19. Graham Hill Road and East Zayante Road
20. Soquel Drive at Rancho Del Mar
21. Soquel Drive and Spreckles Drive
22. Soquel Drive and Main Street
23. Soquel Drive and Daubenbiss Avenue
24. Seventeenth Avenue and Felt Street
25. Soquel Drive and Capitola Avenue
26. Soquel Avenue and Seventeenth Avenue
27. Soquel Drive and Cabrillo College Drive
28. Soquel Drive and Soquel Avenue
29. Graham Hill Road and Mt. Hermon Road
30. Park Avenue and Cabrillo College Drive
31. Porter Street and Main Street
32. Soquel Drive and Mission Drive
33. Soquel Drive and Commercial Crossing.
34. Soquel Drive and Rio Del Mar Boulevard.