

2. PROJECT DESCRIPTION

2.1 Project Goals and Objectives

The Harbor Department is seeking qualified firms to provide on-call underwater hard hat diving services. These services are required in order to support on-going operations involving primarily maintenance but also construction activities at POLA. Specific support activities include pile inspection, pile wrapping, wharf repair and other miscellaneous underwater inspection and construction work.

2.2 Project Scope of Work

It is anticipated that approximately 600 piles will need to be wrapped annually. Piles should be wrapped in accordance with the attached specifications (Attachment 1), unless otherwise specified by the Director of Construction and Maintenance. **All wrapping materials will be provided by the Harbor Department.**

The following requirements encompass the scope of work to be provided:

1. Two (2) primary hard hat dive teams, fully equipped, each consisting of one (1) skilled hard hat diver, one (1) tender and one (1) assistant tender, one of which will serve as the designated person in charge, available Monday through Friday on an eight (8) hour shift. Please note that the dive team will be expected to provide services on an emergency call-out basis, as required. Equipment shall include, but not be limited to, a dive boat, a work punt or float, and hand equipment enumerated in Section 3.4, subsection 7 (entitled "Cost") of this RFP.

Estimated annual usage is as follows:

Primary Team(s) – Diving Days	250 days (each team)
Overtime	20 hours (each team)
Saturday/Sunday	8 days (each team)
Holidays	2 days (each team)

2. One (1) as-needed hard hat dive team, fully equipped, consisting of one (1) skilled hard hat diver, one (1) tender and one (1) assistant tender, one of which will serve as the designated person in charge, available upon forty-eight (48) hours written or oral notice. The estimated annual usage of the as-needed team is 125 diving days. Equipment shall include, but not be limited to, a dive boat, a work punt or float, and hand equipment enumerated in Section 3.4, subsection 7 (entitled "Cost") of this RFP.

NOTE: With regard to estimated annual usage, this is the basis for the evaluation of the proposals and represents an estimate as to the frequency that services will be required. The Harbor Department does not guarantee that these figures will be met or that they may not be exceeded.

3. Underwater services capable of being performed at depths up to seventy-five feet (mean low low water) consisting of:

- A. Heavy timber, concrete, and steel wharf and structural construction and reconstruction;
 - B. Annual inspection and evaluation of the condition of timber fender and bearing piles, concrete bearing piles and dolphin piles, metal sheet piles, wharf structure, wharf slope rat-proofing, and electrolysis protection systems;
 - C. Timber wharf maintenance repairs including the installation and replacement of timber jacketing materials (such as plastic wrap) on piles, braces, and structural supports; and stub-pile, barrel, or jacket-pour repairs to bearing piles;
 - D. Maintenance repairs in conjunction with Harbor Department surface crew including concrete pouring; installation of bolts, braces, and stub piles; and buoy line replacement;
 - E. Wharf damage inspections/surveys including preparation of written reports documenting all observed conditions;
 - F. Inspection of new construction for conformance to Harbor Department specifications;
 - G. Inspection of plastic pile wrapping and seals to ensure proper installation by others and to ensure the integrity fully meets Harbor Department requirements; and
 - H. Application of underwater coatings, paints, and epoxies.
4. Report all information obtained in conducting diving services in a form and manner requested by the Director of Port Construction and Maintenance. Digital camera pictures will be required to document conditions found on inspections and video recordings will be required to document all underwater work performed.
5. Perform other construction and diving services as requested by the Director of Port Construction and Maintenance.

NOTE: For purposes of this RFP, proposers should assume that a diving day consists of eight (8) hours of underwater hard hat diving or related activity during a working day, or during shift hours when multiple shifts are worked, Monday through Friday. Diving teams should be available on an on-call basis to respond to emergency situations if required. The Director of Port Construction and Maintenance or an authorized representative must authorize any additional time to extend the work beyond a diver day, including work performed on Saturdays, Sundays or holidays. The Harbor Department will compensate such additional time at the applicable rate agreed upon. This calculation specifically excludes any loss of time due to unavailability of equipment or any other performance failure of contractor. Personnel who report for work in an unfit condition or who are not otherwise

qualified to do the work will render the team unsuitable for work.