



Agenda Item # \_\_\_\_\_

# Staff Report

## City of Manhattan Beach

**TO:** Honorable Mayor Aldinger and Members of the City Council

**THROUGH:** Geoff Dolan, City Manager

**FROM:** Jim Arndt, Director of Public Works  
Dana Greenwood, City Engineer  
Stephanie Katsouleas, Senior Civil Engineer

**DATE:** December 4, 2007

**SUBJECT:** Approval of Contract Agreement with DGA Consultants for Design Services for the Peck Reservoir Repair Project, not to exceed \$19,651.00

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**RECOMMENDATION:**

Staff recommends that City Council approve a contract agreement with DGA Consultants to provide design services for the Peck Reservoir Rehabilitation Project.

**FISCAL IMPLICATION:**

The total cost for consultant design services shall not exceed \$19,651. \$175,000 was included in the Capital Improvement Projects (CIP) fund for this project; \$1,700 was spent on initial investigation, leaving \$153,649 available for construction. Please note that the City will most likely need to retain the services of a specialized inspection service during construction, which may require additional funds depending on the bids received for the actual repairs. Staff will make this recommendation at the time of the award should it become necessary (an additional increase of up to \$20,000).

**BACKGROUND:**

The City of Manhattan Beach operates the seven million gallon Peck Avenue reservoir, located in the vicinity of Peck and 18<sup>th</sup> Street. In 2000, the reservoir's slab roof was replaced with a new steel truss aluminum roof, and reinforced concrete interior bracing was added. Minor leaks to the reservoir's base were also mitigated at that time. In recent years, however, we have operated the reservoir at less than full capacity to minimize water loss stemming from cracks and leaks observed primarily throughout the tank's upper sections, an area not addressed in the 2000 repairs. The cracks and leaks are found mostly along the reservoir's joints and do not impact the structural integrity of the reservoir. The needed repairs identified (below) are somewhat routine for a tank of this size and structure type, and will ultimately allow us to operate the reservoir at full capacity without experiencing water loss.

Last year, the City retained Dive Corr, Inc. services at a cost of \$1,700.00 to inspect both the inside and outside of the tank, and to identify and provide a detailed summary of all maintenance

and operational issues of concern. An illustrative report was subsequently provided to the City identifying these issues, which include signs of corrosion, peeling and delamination of the steel truss coating, loose pads, root intrusion, joint leakage, and seepage.

**DISCUSSION:**

Because this work is highly specialized, consultant design services are needed to develop detailed plans and specifications for the repair and rehabilitation the reservoir based on the Dive Corr, Inc. report's findings. The City therefore issued a Request for Proposals (RFP) to eleven qualified consultant design firms, of which four responded. A selection committee comprised of water operations and engineering staff reviewed the proposals received. The proposals were evaluated based on the strength of the proposed project team, understanding of the key issues involved, the anticipated level of effort for the different tasks and the overall design schedule. Staff is recommending DGA Consultants as the candidate best suited to complete the required work. Please note that the fee proposal was not used in the selection process because State Law (section 4526 of the Government Code) requires that professional services be selected on the basis of the quality of the proposal. For reference, however, the following fee schedules were also submitted by competing consultants under separate sealed envelopes:

CBM Consulting:	\$173,940.00
AAE, Incorporate:	\$80,112.00
AKM Consulting Engineers	\$75,368.00

As shown, the fees received varied significantly. However, the rehabilitation project is not complicated, and the development of specifications for a reservoir of this type is straightforward for a consulting firm with relevant experience. Additionally, staff has spoken with DGA Consultants and is confident that they understand the project and are capable of completing the scope of work for the fee presented.

As specified in the RFP, DGA Consultants will:

- 1) Review the Dive Corr, Inc. report's findings of the maintenance and maintenance/operational issues found in the Peck Reservoir.
- 2) Develop detailed plans and specifications that will be used to award a public works contract for the complete repair/rehabilitation of Peck Reservoir based on Dive Corr, Inc.'s findings. This will include both the maintenance and cosmetic repairs identified in the report.
- 3) Develop a detailed cost estimate for the required work.
- 4) Support City staff during the bidding process.
- 5) Perform construction support services during the repair/rehabilitation phase as needed.

Staff expects that the plans and specifications will be completed and ready for bidding in Spring 2008. A contract for the repairs is anticipated to be awarded in early May 2008, with the work completed by June 30, 2008.