

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Matthew J. Fertal
Dept: City Manager
Subject: RECOMMENDATION TO AWARD
CONTRACT FOR PROFESSIONAL
ENGINEERING SERVICES FOR
WATER MASTER PLAN PROJECT

From: Keith G. Jones
Dept: Public Works
Date: October 23, 2007

OBJECTIVE

To recommend that City Council award a contract for professional engineering services to Carollo Engineers for the purpose of developing a Water Master Plan.

BACKGROUND

In 1996, Boyle Engineering completed a master plan for Garden Grove that provided a 10-year Capital Improvement Plan. Since that time, the City of Garden Grove has undergone 43 land use changes on its General Plan and has continued to undergo significant redevelopment within the City, especially in the central area of town.

In April 2007, an outside consultant, Black & Veatch, completed its report entitled, "Water Rate Study, City of Garden Grove". This study relied on the Boyle master plan and staff input to generate its findings. This study was conducted to quickly analyze the condition of the current Garden Grove water system and its operating expenses and was used to recommend the amount of rate increase necessary to properly improve and operate Garden Grove's water system. Water rate increases were approved in June 2007. With approval of the rate increases, prioritization of conducting a water master plan was made to establish a 20-year Capital Improvement Plan. The project/report will be expedited and completed by October 31, 2008.

DISCUSSION

It is common practice to update water master plans every 5 to 10 years for medium and large size communities in order that water capital improvements stay current with changes made by development. In-fill or redevelopment projects change the amounts of water required from the water delivery system. Additionally, changing environmental regulations and increasing fire flow requirements result in the need to update a city's Water Master Plan. A comprehensive plan will enable staff to identify and prioritize for our much needed current capital improvements as were identified in the April 2007, water rate report. More importantly, the water master plan will identify future water infrastructure needs that can then be planned for in a manner that is both proactive and fiscally prudent.

The Water Master Plan scope of work is broken into 8 basic tasks shown in greater detail as Attachment No. 2. These tasks are: (1) Project Management and Meetings, (2) Water GIS, (3) Water Demand Projections, (4) Water Resources and Supply, (5) Hydraulic Model of Water System, (6) Capital Improvement Program, (7) Final Report, and (8) Items of Additional Work.

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Staff requested proposals from ten (10) firms to provide professional engineering services. Out of those ten, only four consultants responded. Two staff members and an outside consultant rated the submitted proposals on the basis of qualifications without considering cost. Additionally, three of the firms were interviewed. Based on proposal evaluation results, including references checks and qualifying interviews, Carollo Engineers rated highest in qualifications and its ability to provide professional engineering services for this project. The following is a summary of the combined proposal and interview ratings with the highest total being the most qualified:

	Carollo Engineers Fountain Valley, California	AKM Irvine, California	RBF Irvine, California
<i>Rater A</i>	256	252	194.5
<i>Rater B</i>	209	216	189.5
<i>Rater C</i>	267.5	256.5	256.5
Totals	732.5	724.5	640.5

Upon selection of the most qualified firm, Engineering staff interviewed Carollo Engineers and negotiated an agreement for its services at a cost of \$883,177.

FINANCIAL IMPACT

Water funds were appropriated for the FY 2007/08 budget to finance a water master plan project. There is no impact to the General Fund.

COMMUNITY VISION IMPLEMENTATION

This project is consistent with the community vision for maintaining and upgrading the water system to ensure maximum protection of public health and the environment.

RECOMMENDATION

It is recommended that the City Council:

- Award the contract for professional engineering services to Carollo Engineers for the Water Master Plan Project.
- Authorize the City Manager to sign and execute the professional service agreement with Carollo Engineers for the professional engineering services of the Water Master Plan Project in the amount of \$883,177.

KEITH G. JONES
Public Works Director

By: David Entsminger
Acting Water Manager

Attachment(s): Professional Services Agreement – Attachment No.1
Carollo Proposal (Scope of Work) – Attachment No. 2

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Panel Rating Sheets – Attachment No. 3