Item 425/2025

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Lisa L. Kim	From:	William E. Murray
Dept:	City Manager	Dept:	Public Works
		Date:	11/12/2025

Subject: Award contracts to AKM Consulting Engineers, JIG Consultants, and Civiltec Engineering, Inc. for on-call design engineering services for various water and sewer capital improvement projects. (Not to Exceed $500,000 per contract)(Joint Action Item with the Sanitary District)

OBJECTIVE

To recommend that the City Council and Sanitary District Board award contracts to AKM Consulting Engineers, JIG Consultants, and Civiltec Engineering, Inc. for on-call design engineering services for various water and sewer capital improvement projects.

BACKGROUND

The Water Services Division of the City's Public Works Department operates and maintains the City's water system and the sanitary sewer systems (overseen by the District).

The City operates and maintains approximately 435 miles of water mains, over half of which consist of asbestos cement (AC) pipes installed in the 1950s. Although the actual useful life of a pipeline depends on various factors, AC and plastic pipes are generally designed for a 75-year service life. As a result, much of the City's water system pipeline inventory is nearing the end of its design life. According to the City's recent water master plan (2020), it was recommended to replace 2.2 miles of water main per year in the near term, and at a higher rate in the future depending on funding and staffing availability. The City has been replacing water mains at an average rate of 1 mile per year in the past. The City expects to increase its efforts in implementing capital improvement projects to meet the recommended annual replacement target.

The District is responsible for managing 305 miles of gravity sewer mains and 11,000 linear feet of force mains throughout the District. The District is currently developing a new Sewer Master Plan (2025) and conducting Phase 3 of a Sewer System Condition Assessment, which involves assessing approximately 25% of its gravity sewer mains. Through these efforts, potential capacity and/or structural deficiencies in the sewer system will be identified and will be addressed through capital improvement projects. The District expects to upsize, replace, or rehabilitate approximately 3 miles of gravity sewer mains annually based on the findings.

To meet the annual capital improvement targets for both water and sewer systems, the Water Services Division anticipates steadily awarding design engineering projects with similar scopes in the coming years. Establishing on-call design engineering services with qualified consultants will help the Water Service Division streamline upcoming design projects, ensure continuity across multiple projects, and reduce administrative overhead.

DISCUSSION

Staff requested proposals from five (5) firms to provide design engineering services. All five (5) solicited consultants submitted proposals. A panel of three (3) members rated the submitted proposals on the basis of qualifications without considering cost. Staff determined that AKM Consulting Engineers, JIG Consultants, and Civiltec Engineering, Inc., are best suited and qualified to provide on-call design engineering services. The following is a summary of the ratings with the highest total being the most qualified:

	AKM Consulting Engineers Irvine, CA	**JIG Consultants** Orange, CA	**Civiltec Engineering, Inc.** Fullerton, CA	**PACE** Fountain Valley, CA	**Lee-Ro** City of Industry, CA
Rater A	165	163.5	158	155	150.5
Rater B	172	169.5	167.5	148.75	148.75
Rater C	172	170.5	161.5	159	153
Totals	**509**	**503.5**	**487**	**462.75**	**452.25**

FINANCIAL IMPACT

The cost of each contract with AKM Consulting Engineers, JIG Consultants, and Civiltec Engineering, Inc. for on-call design engineering services for various water and sewer capital improvement projects are not to exceed $500,000. The funding is budgeted in the various capital improvement projects, included in the City's adopted five-year Capital Improvement Plan.

RECOMMENDATION

It is recommended that the City Council:

- Award contracts to AKM Consulting Engineers, JIG Consultants, and Civiltec Engineering, Inc., in the not to exceed amount of $500,000 each, for on-call design engineering services for various water and sewer capital improvement projects; and

- Authorize the City Manager, or designee, to execute the agreements on behalf of the City, exercise option year amendments for each contract, and make minor modifications as appropriate thereto.

By: Liyan Jin, Associate Engineer

ATTACHMENT(S)

1. Professional Service Agreement